



# ***MULTI V***<sup>TM</sup> **WATER5**

## **PERFORMANCE DATA MANUAL**

Variable Refrigerant Flow Water  
Source Outdoor Units  
6.0 to 48.0 Tons



## **PROPRIETARY DATA NOTICE**

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A summary list of safety precautions is on page 3.





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## TABLE OF SYMBOLS

 <b>DANGER</b>	<i>This symbol indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.</i>
 <b>WARNING</b>	<i>This symbol indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.</i>
 <b>CAUTION</b>	<i>This symbol indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.</i>
<b>Note:</b>	<i>This symbol indicates situations that may result in equipment or property damage accidents only.</i>
	<i>This symbol indicates an action that must not be performed.</i>

# 208/230V Heat Pump/ Heat Recovery PERFORMANCE DATA

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### 72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	50	8.1	66.9	1.01	72.5	1.18	78.9	1.38	85.7	1.55	88.4	1.58	91.8	1.63	94.4	1.66
		17.8	66.9	0.94	72.5	1.10	78.9	1.28	85.7	1.45	88.4	1.49	91.8	1.53	94.4	1.56
		20.3	66.9	0.92	72.5	1.08	78.9	1.26	85.7	1.42	88.4	1.47	91.8	1.50	94.4	1.53
		25.4	66.9	0.89	72.5	1.06	78.9	1.24	85.7	1.39	88.4	1.43	91.8	1.47	94.4	1.49
		30.5	66.9	0.88	72.5	1.06	78.9	1.23	85.7	1.38	88.4	1.42	91.8	1.46	94.4	1.47
	59	8.1	65.8	1.33	71.3	1.55	77.6	1.81	84.4	2.03	86.9	2.08	90.3	2.14	92.9	2.17
		17.8	65.8	1.23	71.3	1.45	77.6	1.69	84.4	1.90	86.9	1.95	90.3	2.00	92.9	2.04
		20.3	65.8	1.20	71.3	1.42	77.6	1.66	84.4	1.87	86.9	1.92	90.3	1.97	92.9	2.01
		25.4	65.8	1.17	71.3	1.40	77.6	1.63	84.4	1.83	86.9	1.88	90.3	1.93	92.9	1.96
		30.5	65.8	1.16	71.3	1.38	77.6	1.61	84.4	1.81	86.9	1.86	90.3	1.91	92.9	1.94
	67	8.1	64.9	1.62	70.3	1.88	76.5	2.19	83.2	2.46	85.7	2.52	89.0	2.58	91.5	2.63
		17.8	64.9	1.49	70.3	1.76	76.5	2.05	83.2	2.31	85.7	2.36	89.0	2.43	91.5	2.48
		20.3	64.9	1.46	70.3	1.73	76.5	2.02	83.2	2.27	85.7	2.32	89.0	2.39	91.5	2.44
		25.4	64.9	1.42	70.3	1.69	76.5	1.97	83.2	2.23	85.7	2.28	89.0	2.34	91.5	2.38
		30.5	64.9	1.40	70.3	1.67	76.5	1.95	83.2	2.20	85.7	2.26	89.0	2.31	91.5	2.35
	75	8.1	64.9	2.00	70.3	2.32	76.5	2.70	83.2	3.04	85.7	3.11	89.0	3.19	91.5	3.24
		17.8	64.9	1.84	70.3	2.17	76.5	2.53	83.2	2.85	85.7	2.92	89.0	3.00	91.5	3.05
		20.3	64.9	1.80	70.3	2.13	76.5	2.48	83.2	2.80	85.7	2.87	89.0	2.95	91.5	3.00
		25.4	64.9	1.75	70.3	2.09	76.5	2.44	83.2	2.74	85.7	2.81	89.0	2.89	91.5	2.93
		30.5	64.9	1.72	70.3	2.06	76.5	2.41	83.2	2.71	85.7	2.78	89.0	2.86	91.5	2.90
	86	8.1	64.9	2.40	70.3	2.78	76.5	3.24	83.2	3.65	85.7	3.74	89.0	3.83	91.5	3.89
		17.8	64.9	2.21	70.3	2.61	76.5	3.03	83.2	3.41	85.7	3.50	89.0	3.59	91.5	3.66
		20.3	64.9	2.16	70.3	2.56	76.5	2.98	83.2	3.35	85.7	3.44	89.0	3.53	91.5	3.60
		25.4	64.9	2.10	70.3	2.50	76.5	2.92	83.2	3.29	85.7	3.38	89.0	3.46	91.5	3.52
		30.5	64.9	2.07	70.3	2.48	76.5	2.89	83.2	3.26	85.7	3.34	89.0	3.43	91.5	3.48
	95	8.1	58.4	2.42	63.2	2.81	68.8	3.28	74.9	3.69	77.1	3.78	80.1	3.87	82.4	3.93
		17.8	58.4	2.23	63.2	2.64	68.8	3.07	74.9	3.46	77.1	3.54	80.1	3.63	82.4	3.70
		20.3	58.4	2.18	63.2	2.59	68.8	3.02	74.9	3.40	77.1	3.48	80.1	3.57	82.4	3.64
		25.4	58.4	2.12	63.2	2.53	68.8	2.95	74.9	3.33	77.1	3.41	80.1	3.50	82.4	3.56
		30.5	58.4	2.09	63.2	2.50	68.8	2.92	74.9	3.29	77.1	3.38	80.1	3.46	82.4	3.52
	104	8.1	51.9	2.56	56.2	2.97	61.2	3.46	66.5	3.89	68.5	3.98	71.2	4.08	73.2	4.15
		17.8	51.9	2.35	56.2	2.78	61.2	3.24	66.5	3.64	68.5	3.73	71.2	3.83	73.2	3.90
		20.3	51.9	2.30	56.2	2.73	61.2	3.18	66.5	3.58	68.5	3.67	71.2	3.77	73.2	3.84
		25.4	51.9	2.24	56.2	2.67	61.2	3.11	66.5	3.51	68.5	3.60	71.2	3.69	73.2	3.76
		30.5	51.9	2.20	56.2	2.64	61.2	3.08	66.5	3.47	68.5	3.57	71.2	3.65	73.2	3.71
	113	8.1	45.3	2.69	49.3	3.12	53.5	3.64	58.2	4.09	60.0	4.18	62.2	4.28	64.0	4.37
		17.8	45.3	2.48	49.3	2.93	53.5	3.41	58.2	3.83	60.0	3.93	62.2	4.03	64.0	4.11
		20.3	45.3	2.42	49.3	2.88	53.5	3.35	58.2	3.76	60.0	3.86	62.2	3.97	64.0	4.04
		25.4	45.3	2.35	49.3	2.81	53.5	3.27	58.2	3.69	60.0	3.79	62.2	3.89	64.0	3.96
		30.5	45.3	2.31	49.3	2.78	53.5	3.24	58.2	3.66	60.0	3.75	62.2	3.85	64.0	3.91
120	50	8.1	63.4	0.96	68.6	1.12	74.7	1.30	81.2	1.47	83.6	1.51	86.9	1.55	89.3	1.56
		17.8	63.4	0.89	68.6	1.05	74.7	1.22	81.2	1.37	83.6	1.41	86.9	1.45	89.3	1.47
		20.3	63.4	0.87	68.6	1.03	74.7	1.20	81.2	1.35	83.6	1.38	86.9	1.42	89.3	1.45
		25.4	63.4	0.84	68.6	1.00	74.7	1.18	81.2	1.32	83.6	1.36	86.9	1.39	89.3	1.42
		30.5	63.4	0.83	68.6	0.98	74.7	1.16	81.2	1.30	83.6	1.35	86.9	1.38	89.3	1.40
	59	8.1	62.6	1.28	67.8	1.49	73.9	1.73	80.3	1.94	82.7	1.99	85.9	2.04	88.3	2.07
		17.8	62.6	1.18	67.8	1.39	73.9	1.62	80.3	1.82	82.7	1.86	85.9	1.91	88.3	1.95
		20.3	62.6	1.15	67.8	1.37	73.9	1.59	80.3	1.79	82.7	1.83	85.9	1.88	88.3	1.92
		25.4	62.6	1.12	67.8	1.33	73.9	1.56	80.3	1.75	82.7	1.80	85.9	1.84	88.3	1.88
		30.5	62.6	1.10	67.8	1.32	73.9	1.54	80.3	1.73	82.7	1.78	85.9	1.82	88.3	1.85
	67	8.1	61.9	1.56	67.1	1.81	73.1	2.10	79.4	2.37	81.8	2.42	85.0	2.48	87.4	2.53
		17.8	61.9	1.43	67.1	1.69	73.1	1.97	79.4	2.22	81.8	2.28	85.0	2.34	87.4	2.38
		20.3	61.9	1.40	67.1	1.66	73.1	1.94	79.4	2.18	81.8	2.24	85.0	2.30	87.4	2.34
		25.4	61.9	1.37	67.1	1.63	73.1	1.90	79.4	2.14	81.8	2.19	85.0	2.25	87.4	2.28
		30.5	61.9	1.35	67.1	1.61	73.1	1.88	79.4	2.12	81.8	2.17	85.0	2.22	87.4	2.26

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM072BAS5

72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	8.1	61.9	1.91	67.1	2.22	73.1	2.59	79.4	2.91	81.8	2.98	85.0	3.06	87.4	3.11
		17.8	61.9	1.77	67.1	2.08	73.1	2.42	79.4	2.73	81.8	2.80	85.0	2.87	87.4	2.93
		20.3	61.9	1.73	67.1	2.04	73.1	2.38	79.4	2.68	81.8	2.75	85.0	2.82	87.4	2.88
		25.4	61.9	1.68	67.1	2.00	73.1	2.33	79.4	2.63	81.8	2.69	85.0	2.76	87.4	2.81
		30.5	61.9	1.65	67.1	1.98	73.1	2.31	79.4	2.60	81.8	2.67	85.0	2.74	87.4	2.77
	86	8.1	61.9	2.31	67.1	2.69	73.1	3.13	79.4	3.52	81.8	3.60	85.0	3.70	87.4	3.76
		17.8	61.9	2.14	67.1	2.52	73.1	2.93	79.4	3.30	81.8	3.38	85.0	3.47	87.4	3.53
		20.3	61.9	2.09	67.1	2.47	73.1	2.88	79.4	3.24	81.8	3.32	85.0	3.41	87.4	3.47
		25.4	61.9	2.03	67.1	2.42	73.1	2.82	79.4	3.18	81.8	3.26	85.0	3.34	87.4	3.39
		30.5	61.9	2.00	67.1	2.39	73.1	2.79	79.4	3.14	81.8	3.22	85.0	3.31	87.4	3.35
	95	8.1	56.7	2.37	61.4	2.75	66.9	3.21	72.7	3.61	74.9	3.70	77.8	3.78	80.0	3.85
		17.8	56.7	2.18	61.4	2.58	66.9	3.00	72.7	3.38	74.9	3.46	77.8	3.55	80.0	3.62
		20.3	56.7	2.13	61.4	2.53	66.9	2.95	72.7	3.32	74.9	3.40	77.8	3.49	80.0	3.56
		25.4	56.7	2.07	61.4	2.48	66.9	2.89	72.7	3.26	74.9	3.34	77.8	3.42	80.0	3.48
		30.5	56.7	2.05	61.4	2.45	66.9	2.86	72.7	3.22	74.9	3.31	77.8	3.39	80.0	3.44
	104	8.1	51.4	2.55	55.7	2.96	60.7	3.45	66.0	3.88	67.9	3.98	70.6	4.07	72.5	4.15
		17.8	51.4	2.35	55.7	2.78	60.7	3.24	66.0	3.63	67.9	3.73	70.6	3.82	72.5	3.90
		20.3	51.4	2.30	55.7	2.73	60.7	3.18	66.0	3.57	67.9	3.66	70.6	3.76	72.5	3.83
		25.4	51.4	2.24	55.7	2.67	60.7	3.11	66.0	3.50	67.9	3.60	70.6	3.69	72.5	3.74
		30.5	51.4	2.20	55.7	2.64	60.7	3.08	66.0	3.47	67.9	3.56	70.6	3.65	72.5	3.70
	113	8.1	46.2	2.73	50.0	3.17	54.4	3.70	59.3	4.16	61.0	4.26	63.4	4.36	65.1	4.44
		17.8	46.2	2.52	50.0	2.97	54.4	3.46	59.3	3.90	61.0	3.99	63.4	4.09	65.1	4.18
		20.3	46.2	2.47	50.0	2.92	54.4	3.40	59.3	3.83	61.0	3.92	63.4	4.02	65.1	4.11
		25.4	46.2	2.40	50.0	2.85	54.4	3.33	59.3	3.75	61.0	3.85	63.4	3.95	65.1	4.00
		30.5	46.2	2.36	50.0	2.82	54.4	3.30	59.3	3.71	61.0	3.82	63.4	3.92	65.1	3.95
110	50	8.1	59.7	0.91	64.8	1.05	70.5	1.23	76.6	1.38	78.8	1.41	82.0	1.46	84.1	1.48
		17.8	59.7	0.84	64.8	0.99	70.5	1.15	76.6	1.29	78.8	1.33	82.0	1.36	84.1	1.38
		20.3	59.7	0.82	64.8	0.97	70.5	1.13	76.6	1.27	78.8	1.31	82.0	1.34	84.1	1.36
		25.4	59.7	0.80	64.8	0.95	70.5	1.10	76.6	1.25	78.8	1.27	82.0	1.32	84.1	1.33
		30.5	59.7	0.79	64.8	0.94	70.5	1.09	76.6	1.24	78.8	1.25	82.0	1.30	84.1	1.32
	59	8.1	59.4	1.22	64.3	1.42	70.0	1.65	76.1	1.86	78.4	1.90	81.5	1.95	83.7	1.98
		17.8	59.4	1.12	64.3	1.32	70.0	1.55	76.1	1.74	78.4	1.78	81.5	1.83	83.7	1.86
		20.3	59.4	1.10	64.3	1.30	70.0	1.52	76.1	1.71	78.4	1.75	81.5	1.80	83.7	1.83
		25.4	59.4	1.07	64.3	1.27	70.0	1.48	76.1	1.68	78.4	1.71	81.5	1.76	83.7	1.78
		30.5	59.4	1.06	64.3	1.26	70.0	1.47	76.1	1.66	78.4	1.70	81.5	1.75	83.7	1.76
	67	8.1	59.1	1.49	64.0	1.74	69.7	2.02	75.8	2.28	78.0	2.33	81.0	2.39	83.3	2.43
		17.8	59.1	1.37	64.0	1.63	69.7	1.89	75.8	2.14	78.0	2.18	81.0	2.24	83.3	2.28
		20.3	59.1	1.34	64.0	1.60	69.7	1.86	75.8	2.10	78.0	2.14	81.0	2.20	83.3	2.24
		25.4	59.1	1.31	64.0	1.56	69.7	1.82	75.8	2.05	78.0	2.11	81.0	2.16	83.3	2.19
		30.5	59.1	1.30	64.0	1.55	69.7	1.80	75.8	2.03	78.0	2.09	81.0	2.14	83.3	2.16
	75	8.1	59.1	1.83	64.0	2.12	69.7	2.47	75.8	2.79	78.0	2.85	81.0	2.92	83.3	2.98
		17.8	59.1	1.69	64.0	1.99	69.7	2.32	75.8	2.61	78.0	2.68	81.0	2.74	83.3	2.80
		20.3	59.1	1.65	64.0	1.96	69.7	2.28	75.8	2.56	78.0	2.63	81.0	2.69	83.3	2.75
		25.4	59.1	1.60	64.0	1.91	69.7	2.23	75.8	2.52	78.0	2.57	81.0	2.64	83.3	2.68
		30.5	59.1	1.58	64.0	1.89	69.7	2.21	75.8	2.49	78.0	2.55	81.0	2.62	83.3	2.64
86	8.1	59.1	2.23	64.0	2.59	69.7	3.02	75.8	3.40	78.0	3.48	81.0	3.56	83.3	3.63	
	17.8	59.1	2.06	64.0	2.42	69.7	2.82	75.8	3.18	78.0	3.26	81.0	3.34	83.3	3.40	
	20.3	59.1	2.01	64.0	2.38	69.7	2.77	75.8	3.12	78.0	3.20	81.0	3.28	83.3	3.34	
	25.4	59.1	1.96	64.0	2.33	69.7	2.72	75.8	3.06	78.0	3.14	81.0	3.22	83.3	3.26	
	30.5	59.1	1.93	64.0	2.31	69.7	2.69	75.8	3.03	78.0	3.11	81.0	3.19	83.3	3.22	
95	8.1	55.0	2.32	59.6	2.69	64.9	3.14	70.6	3.53	72.7	3.62	75.5	3.70	77.6	3.77	
	17.8	55.0	2.14	59.6	2.52	64.9	2.94	70.6	3.31	72.7	3.39	75.5	3.47	77.6	3.54	
	20.3	55.0	2.09	59.6	2.48	64.9	2.89	70.6	3.25	72.7	3.33	75.5	3.41	77.6	3.48	
	25.4	55.0	2.03	59.6	2.42	64.9	2.83	70.6	3.19	72.7	3.27	75.5	3.35	77.6	3.39	
	30.5	55.0	2.00	59.6	2.40	64.9	2.80	70.6	3.16	72.7	3.24	75.5	3.32	77.6	3.35	

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	8.1	51.0	2.54	55.3	2.96	60.1	3.45	65.4	3.88	67.3	3.97	70.0	4.07	71.9	4.15
		17.8	51.0	2.35	55.3	2.77	60.1	3.23	65.4	3.63	67.3	3.72	70.0	3.82	71.9	3.89
		20.3	51.0	2.30	55.3	2.72	60.1	3.17	65.4	3.57	67.3	3.66	70.0	3.75	71.9	3.82
		25.4	51.0	2.23	55.3	2.66	60.1	3.11	65.4	3.50	67.3	3.59	70.0	3.68	71.9	3.73
		30.5	51.0	2.20	55.3	2.63	60.1	3.07	65.4	3.46	67.3	3.56	70.0	3.65	71.9	3.68
	113	8.1	46.9	2.77	50.9	3.23	55.3	3.76	60.2	4.22	62.0	4.33	64.4	4.43	66.2	4.52
		17.8	46.9	2.56	50.9	3.02	55.3	3.52	60.2	3.96	62.0	4.05	64.4	4.16	66.2	4.24
		20.3	46.9	2.50	50.9	2.96	55.3	3.46	60.2	3.89	62.0	3.98	64.4	4.09	66.2	4.17
		25.4	46.9	2.43	50.9	2.90	55.3	3.39	60.2	3.81	62.0	3.91	64.4	4.02	66.2	4.06
		30.5	46.9	2.39	50.9	2.86	55.3	3.35	60.2	3.77	62.0	3.88	64.4	3.98	66.2	4.00
100	50	8.1	56.2	0.86	60.8	1.00	66.2	1.15	72.0	1.31	74.2	1.33	77.0	1.37	79.2	1.40
		17.8	56.2	0.80	60.8	0.94	66.2	1.08	72.0	1.23	74.2	1.25	77.0	1.28	79.2	1.31
		20.3	56.2	0.78	60.8	0.92	66.2	1.06	72.0	1.21	74.2	1.23	77.0	1.26	79.2	1.29
		25.4	56.2	0.75	60.8	0.89	66.2	1.04	72.0	1.18	74.2	1.20	77.0	1.24	79.2	1.25
		30.5	56.2	0.74	60.8	0.88	66.2	1.03	72.0	1.17	74.2	1.19	77.0	1.22	79.2	1.22
	59	8.1	56.2	1.16	60.8	1.35	66.2	1.57	72.0	1.77	74.2	1.81	77.0	1.86	79.2	1.89
		17.8	56.2	1.07	60.8	1.26	66.2	1.47	72.0	1.66	74.2	1.70	77.0	1.74	79.2	1.77
		20.3	56.2	1.05	60.8	1.24	66.2	1.45	72.0	1.63	74.2	1.67	77.0	1.71	79.2	1.74
		25.4	56.2	1.02	60.8	1.21	66.2	1.41	72.0	1.60	74.2	1.63	77.0	1.68	79.2	1.69
		30.5	56.2	1.00	60.8	1.20	66.2	1.40	72.0	1.58	74.2	1.62	77.0	1.66	79.2	1.67
	67	8.1	56.2	1.43	60.8	1.66	66.2	1.94	72.0	2.18	74.2	2.24	77.0	2.29	79.2	2.33
		17.8	56.2	1.32	60.8	1.56	66.2	1.81	72.0	2.04	74.2	2.09	77.0	2.15	79.2	2.18
		20.3	56.2	1.29	60.8	1.53	66.2	1.78	72.0	2.01	74.2	2.05	77.0	2.11	79.2	2.14
		25.4	56.2	1.25	60.8	1.50	66.2	1.75	72.0	1.97	74.2	2.02	77.0	2.07	79.2	2.09
		30.5	56.2	1.23	60.8	1.48	66.2	1.73	72.0	1.95	74.2	2.00	77.0	2.05	79.2	2.06
	75	8.1	56.2	1.74	60.8	2.03	66.2	2.36	72.0	2.66	74.2	2.73	77.0	2.79	79.2	2.84
		17.8	56.2	1.60	60.8	1.90	66.2	2.21	72.0	2.49	74.2	2.55	77.0	2.62	79.2	2.67
		20.3	56.2	1.57	60.8	1.87	66.2	2.17	72.0	2.45	74.2	2.50	77.0	2.57	79.2	2.62
		25.4	56.2	1.53	60.8	1.83	66.2	2.13	72.0	2.40	74.2	2.46	77.0	2.52	79.2	2.55
		30.5	56.2	1.51	60.8	1.81	66.2	2.11	72.0	2.37	74.2	2.43	77.0	2.50	79.2	2.51
	86	8.1	56.2	2.14	60.8	2.50	66.2	2.91	72.0	3.27	74.2	3.35	77.0	3.43	79.2	3.50
		17.8	56.2	1.98	60.8	2.34	66.2	2.72	72.0	3.06	74.2	3.14	77.0	3.22	79.2	3.28
		20.3	56.2	1.94	60.8	2.30	66.2	2.67	72.0	3.01	74.2	3.08	77.0	3.16	79.2	3.22
		25.4	56.2	1.88	60.8	2.25	66.2	2.62	72.0	2.95	74.2	3.03	77.0	3.10	79.2	3.13
		30.5	56.2	1.85	60.8	2.22	66.2	2.59	72.0	2.92	74.2	3.00	77.0	3.07	79.2	3.09
	95	8.1	53.4	2.26	57.8	2.63	62.9	3.06	68.4	3.45	70.4	3.53	73.2	3.62	75.2	3.69
		17.8	53.4	2.09	57.8	2.46	62.9	2.87	68.4	3.24	70.4	3.31	73.2	3.40	75.2	3.46
		20.3	53.4	2.04	57.8	2.42	62.9	2.82	68.4	3.18	70.4	3.25	73.2	3.34	75.2	3.40
		25.4	53.4	1.99	57.8	2.37	62.9	2.76	68.4	3.12	70.4	3.19	73.2	3.27	75.2	3.31
		30.5	53.4	1.96	57.8	2.34	62.9	2.73	68.4	3.09	70.4	3.16	73.2	3.24	75.2	3.26
	104	8.1	50.5	2.55	54.7	2.96	59.6	3.44	64.8	3.87	66.7	3.97	69.4	4.06	71.2	4.13
		17.8	50.5	2.34	54.7	2.77	59.6	3.23	64.8	3.62	66.7	3.72	69.4	3.81	71.2	3.88
		20.3	50.5	2.29	54.7	2.72	59.6	3.17	64.8	3.56	66.7	3.65	69.4	3.74	71.2	3.81
		25.4	50.5	2.23	54.7	2.66	59.6	3.10	64.8	3.49	66.7	3.58	69.4	3.67	71.2	3.71
		30.5	50.5	2.20	54.7	2.63	59.6	3.07	64.8	3.46	66.7	3.54	69.4	3.64	71.2	3.66
	113	8.1	47.7	2.83	51.7	3.28	56.3	3.82	61.2	4.29	63.1	4.40	65.5	4.51	67.3	4.58
		17.8	47.7	2.60	51.7	3.07	56.3	3.57	61.2	4.02	63.1	4.12	65.5	4.22	67.3	4.30
		20.3	47.7	2.54	51.7	3.02	56.3	3.51	61.2	3.95	63.1	4.05	65.5	4.14	67.3	4.23
		25.4	47.7	2.47	51.7	2.95	56.3	3.44	61.2	3.87	63.1	3.97	65.5	4.07	67.3	4.11
		30.5	47.7	2.44	51.7	2.92	56.3	3.41	61.2	3.83	63.1	3.93	65.5	4.03	67.3	4.06
90	50	8.1	50.5	0.73	54.7	0.85	59.6	0.99	64.8	1.12	66.7	1.14	69.4	1.17	71.2	1.20
		17.8	50.5	0.68	54.7	0.80	59.6	0.93	64.8	1.06	66.7	1.08	69.4	1.11	71.2	1.13
		20.3	50.5	0.67	54.7	0.79	59.6	0.92	64.8	1.04	66.7	1.06	69.4	1.09	71.2	1.11
		25.4	50.5	0.65	54.7	0.76	59.6	0.90	64.8	1.01	66.7	1.04	69.4	1.07	71.2	1.07
		30.5	50.5	0.64	54.7	0.75	59.6	0.89	64.8	0.99	66.7	1.03	69.4	1.06	71.2	1.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM072BAS5

72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	59	8.1	50.5	1.00	54.7	1.16	59.6	1.35	64.8	1.52	66.7	1.56	69.4	1.59	71.2	1.63
		17.8	50.5	0.92	54.7	1.09	59.6	1.26	64.8	1.42	66.7	1.46	69.4	1.49	71.2	1.53
		20.3	50.5	0.90	54.7	1.07	59.6	1.24	64.8	1.40	66.7	1.44	69.4	1.47	71.2	1.50
		25.4	50.5	0.88	54.7	1.04	59.6	1.22	64.8	1.37	66.7	1.41	69.4	1.45	71.2	1.46
		30.5	50.5	0.86	54.7	1.03	59.6	1.21	64.8	1.35	66.7	1.39	69.4	1.43	71.2	1.44
	67	8.1	50.5	1.23	54.7	1.43	59.6	1.67	64.8	1.88	66.7	1.92	69.4	1.97	71.2	2.00
		17.8	50.5	1.13	54.7	1.34	59.6	1.56	64.8	1.76	66.7	1.80	69.4	1.84	71.2	1.88
		20.3	50.5	1.11	54.7	1.32	59.6	1.53	64.8	1.73	66.7	1.77	69.4	1.81	71.2	1.85
		25.4	50.5	1.08	54.7	1.29	59.6	1.51	64.8	1.69	66.7	1.74	69.4	1.78	71.2	1.80
		30.5	50.5	1.06	54.7	1.28	59.6	1.49	64.8	1.68	66.7	1.72	69.4	1.76	71.2	1.78
	75	8.1	50.5	1.50	54.7	1.75	59.6	2.03	64.8	2.29	66.7	2.34	69.4	2.40	71.2	2.45
		17.8	50.5	1.38	54.7	1.64	59.6	1.90	64.8	2.15	66.7	2.20	69.4	2.25	71.2	2.29
		20.3	50.5	1.35	54.7	1.61	59.6	1.87	64.8	2.11	66.7	2.16	69.4	2.21	71.2	2.25
		25.4	50.5	1.32	54.7	1.57	59.6	1.83	64.8	2.06	66.7	2.12	69.4	2.17	71.2	2.19
		30.5	50.5	1.30	54.7	1.55	59.6	1.81	64.8	2.04	66.7	2.10	69.4	2.15	71.2	2.16
	86	8.1	50.5	1.85	54.7	2.15	59.6	2.50	64.8	2.82	66.7	2.88	69.4	2.96	71.2	3.01
		17.8	50.5	1.71	54.7	2.01	59.6	2.34	64.8	2.64	66.7	2.71	69.4	2.77	71.2	2.82
		20.3	50.5	1.67	54.7	1.97	59.6	2.30	64.8	2.59	66.7	2.66	69.4	2.72	71.2	2.77
		25.4	50.5	1.62	54.7	1.94	59.6	2.25	64.8	2.54	66.7	2.60	69.4	2.67	71.2	2.70
		30.5	50.5	1.59	54.7	1.92	59.6	2.23	64.8	2.52	66.7	2.57	69.4	2.65	71.2	2.66
	95	8.1	49.2	2.00	53.2	2.32	58.0	2.70	63.0	3.04	64.9	3.11	67.4	3.18	69.3	3.24
		17.8	49.2	1.84	53.2	2.17	58.0	2.53	63.0	2.85	64.9	2.91	67.4	2.98	69.3	3.04
		20.3	49.2	1.80	53.2	2.13	58.0	2.48	63.0	2.80	64.9	2.86	67.4	2.93	69.3	2.99
		25.4	49.2	1.75	53.2	2.09	58.0	2.43	63.0	2.74	64.9	2.81	67.4	2.88	69.3	2.91
		30.5	49.2	1.72	53.2	2.06	58.0	2.40	63.0	2.71	64.9	2.79	67.4	2.85	69.3	2.87
	104	8.1	47.7	2.29	51.7	2.66	56.3	3.10	61.2	3.49	63.1	3.57	65.5	3.66	67.3	3.72
		17.8	47.7	2.11	51.7	2.49	56.3	2.90	61.2	3.27	63.1	3.35	65.5	3.43	67.3	3.49
		20.3	47.7	2.06	51.7	2.45	56.3	2.85	61.2	3.21	63.1	3.29	65.5	3.37	67.3	3.43
		25.4	47.7	2.01	51.7	2.40	56.3	2.80	61.2	3.15	63.1	3.23	65.5	3.31	67.3	3.34
		30.5	47.7	1.98	51.7	2.37	56.3	2.77	61.2	3.12	63.1	3.19	65.5	3.28	67.3	3.30
	113	8.1	46.3	2.59	50.2	3.01	54.7	3.49	59.4	3.95	61.3	4.04	63.5	4.14	65.4	4.20
		17.8	46.3	2.38	50.2	2.81	54.7	3.28	59.4	3.69	61.3	3.79	63.5	3.88	65.4	3.95
		20.3	46.3	2.33	50.2	2.76	54.7	3.23	59.4	3.62	61.3	3.72	63.5	3.81	65.4	3.88
		25.4	46.3	2.26	50.2	2.71	54.7	3.16	59.4	3.56	61.3	3.64	63.5	3.74	65.4	3.78
		30.5	46.3	2.23	50.2	2.68	54.7	3.13	59.4	3.53	61.3	3.60	63.5	3.71	65.4	3.73
80	50	8.1	44.9	0.63	48.7	0.71	53.0	0.83	57.6	0.95	59.3	0.96	61.6	0.99	63.4	1.00
		17.8	44.9	0.61	48.7	0.68	53.0	0.78	57.6	0.88	59.3	0.90	61.6	0.92	63.4	0.94
		20.3	44.9	0.60	48.7	0.67	53.0	0.77	57.6	0.86	59.3	0.89	61.6	0.90	63.4	0.92
		25.4	44.9	0.60	48.7	0.65	53.0	0.76	57.6	0.85	59.3	0.86	61.6	0.89	63.4	0.90
		30.5	44.9	0.60	48.7	0.64	53.0	0.75	57.6	0.84	59.3	0.85	61.6	0.88	63.4	0.89
	59	8.1	44.9	0.84	48.7	0.97	53.0	1.13	57.6	1.28	59.3	1.31	61.6	1.34	63.4	1.36
		17.8	44.9	0.77	48.7	0.91	53.0	1.06	57.6	1.19	59.3	1.22	61.6	1.25	63.4	1.27
		20.3	44.9	0.75	48.7	0.90	53.0	1.04	57.6	1.17	59.3	1.20	61.6	1.23	63.4	1.25
		25.4	44.9	0.74	48.7	0.88	53.0	1.02	57.6	1.15	59.3	1.18	61.6	1.21	63.4	1.22
		30.5	44.9	0.73	48.7	0.87	53.0	1.01	57.6	1.14	59.3	1.16	61.6	1.20	63.4	1.20
	67	8.1	44.9	1.03	48.7	1.20	53.0	1.40	57.6	1.57	59.3	1.61	61.6	1.65	63.4	1.68
		17.8	44.9	0.95	48.7	1.12	53.0	1.30	57.6	1.47	59.3	1.51	61.6	1.55	63.4	1.58
		20.3	44.9	0.93	48.7	1.10	53.0	1.28	57.6	1.45	59.3	1.48	61.6	1.52	63.4	1.55
		25.4	44.9	0.90	48.7	1.08	53.0	1.26	57.6	1.42	59.3	1.46	61.6	1.49	63.4	1.51
		30.5	44.9	0.89	48.7	1.07	53.0	1.24	57.6	1.41	59.3	1.44	61.6	1.48	63.4	1.48
	75	8.1	44.9	1.26	48.7	1.47	53.0	1.70	57.6	1.92	59.3	1.97	61.6	2.02	63.4	2.05
		17.8	44.9	1.16	48.7	1.37	53.0	1.60	57.6	1.80	59.3	1.84	61.6	1.88	63.4	1.92
		20.3	44.9	1.13	48.7	1.34	53.0	1.57	57.6	1.77	59.3	1.81	61.6	1.85	63.4	1.89
		25.4	44.9	1.10	48.7	1.32	53.0	1.54	57.6	1.73	59.3	1.77	61.6	1.82	63.4	1.84
		30.5	44.9	1.09	48.7	1.30	53.0	1.52	57.6	1.71	59.3	1.76	61.6	1.81	63.4	1.81

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

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### 72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	8.1	44.9	1.55	48.7	1.80	53.0	2.10	57.6	2.36	59.3	2.41	61.6	2.47	63.4	2.52
		17.8	44.9	1.43	48.7	1.69	53.0	1.96	57.6	2.21	59.3	2.27	61.6	2.32	63.4	2.36
		20.3	44.9	1.40	48.7	1.66	53.0	1.93	57.6	2.17	59.3	2.23	61.6	2.28	63.4	2.32
		25.4	44.9	1.36	48.7	1.62	53.0	1.89	57.6	2.13	59.3	2.18	61.6	2.24	63.4	2.26
		30.5	44.9	1.34	48.7	1.60	53.0	1.87	57.6	2.11	59.3	2.16	61.6	2.21	63.4	2.23
	95	8.1	44.9	1.72	48.7	2.00	53.0	2.33	57.6	2.62	59.3	2.69	61.6	2.75	63.4	2.80
		17.8	44.9	1.58	48.7	1.87	53.0	2.18	57.6	2.45	59.3	2.52	61.6	2.58	63.4	2.63
		20.3	44.9	1.55	48.7	1.84	53.0	2.14	57.6	2.41	59.3	2.47	61.6	2.53	63.4	2.58
		25.4	44.9	1.51	48.7	1.80	53.0	2.10	57.6	2.37	59.3	2.42	61.6	2.49	63.4	2.51
		30.5	44.9	1.49	48.7	1.78	53.0	2.08	57.6	2.34	59.3	2.40	61.6	2.47	63.4	2.48
	104	8.1	44.9	2.04	48.7	2.37	53.0	2.76	57.6	3.11	59.3	3.18	61.6	3.26	63.4	3.32
		17.8	44.9	1.88	48.7	2.22	53.0	2.59	57.6	2.91	59.3	2.97	61.6	3.05	63.4	3.11
		20.3	44.9	1.84	48.7	2.18	53.0	2.54	57.6	2.86	59.3	2.92	61.6	3.00	63.4	3.05
		25.4	44.9	1.78	48.7	2.13	53.0	2.48	57.6	2.80	59.3	2.87	61.6	2.95	63.4	2.97
		30.5	44.9	1.76	48.7	2.11	53.0	2.46	57.6	2.77	59.3	2.84	61.6	2.92	63.4	2.93
	113	8.1	44.9	2.36	48.7	2.74	53.0	3.19	57.6	3.60	59.3	3.67	61.6	3.77	63.4	3.83
		17.8	44.9	2.17	48.7	2.57	53.0	2.98	57.6	3.37	59.3	3.44	61.6	3.53	63.4	3.59
		20.3	44.9	2.12	48.7	2.52	53.0	2.93	57.6	3.31	59.3	3.38	61.6	3.47	63.4	3.53
		25.4	44.9	2.06	48.7	2.47	53.0	2.87	57.6	3.24	59.3	3.32	61.6	3.40	63.4	3.43
		30.5	44.9	2.03	48.7	2.44	53.0	2.83	57.6	3.20	59.3	3.29	61.6	3.37	63.4	3.39
70	50	8.1	39.3	0.60	42.6	0.60	46.4	0.69	50.4	0.77	51.9	0.80	53.9	0.83	55.4	0.83
		17.8	39.3	0.60	42.6	0.60	46.4	0.65	50.4	0.73	51.9	0.75	53.9	0.77	55.4	0.78
		20.3	39.3	0.60	42.6	0.60	46.4	0.64	50.4	0.72	51.9	0.74	53.9	0.76	55.4	0.77
		25.4	39.3	0.60	42.6	0.60	46.4	0.63	50.4	0.70	51.9	0.72	53.9	0.74	55.4	0.75
		30.5	39.3	0.60	42.6	0.60	46.4	0.62	50.4	0.69	51.9	0.71	53.9	0.73	55.4	0.74
	59	8.1	39.3	0.70	42.6	0.81	46.4	0.94	50.4	1.06	51.9	1.09	53.9	1.11	55.4	1.13
		17.8	39.3	0.64	42.6	0.75	46.4	0.88	50.4	1.00	51.9	1.02	53.9	1.05	55.4	1.06
		20.3	39.3	0.63	42.6	0.74	46.4	0.87	50.4	0.98	51.9	1.00	53.9	1.03	55.4	1.04
		25.4	39.3	0.61	42.6	0.73	46.4	0.85	50.4	0.96	51.9	0.98	53.9	1.01	55.4	1.02
		30.5	39.3	0.60	42.6	0.72	46.4	0.84	50.4	0.95	51.9	0.97	53.9	0.99	55.4	1.00
	67	8.1	39.3	0.86	42.6	1.00	46.4	1.16	50.4	1.31	51.9	1.34	53.9	1.37	55.4	1.40
		17.8	39.3	0.79	42.6	0.94	46.4	1.09	50.4	1.22	51.9	1.25	53.9	1.28	55.4	1.30
		20.3	39.3	0.77	42.6	0.92	46.4	1.07	50.4	1.20	51.9	1.23	53.9	1.26	55.4	1.28
		25.4	39.3	0.75	42.6	0.90	46.4	1.05	50.4	1.18	51.9	1.21	53.9	1.24	55.4	1.25
		30.5	39.3	0.74	42.6	0.89	46.4	1.04	50.4	1.17	51.9	1.20	53.9	1.23	55.4	1.24
	75	8.1	39.3	1.05	42.6	1.22	46.4	1.41	50.4	1.60	51.9	1.63	53.9	1.67	55.4	1.70
		17.8	39.3	0.97	42.6	1.14	46.4	1.33	50.4	1.50	51.9	1.53	53.9	1.57	55.4	1.60
		20.3	39.3	0.95	42.6	1.12	46.4	1.31	50.4	1.47	51.9	1.51	53.9	1.54	55.4	1.57
		25.4	39.3	0.92	42.6	1.10	46.4	1.28	50.4	1.44	51.9	1.47	53.9	1.51	55.4	1.53
		30.5	39.3	0.91	42.6	1.09	46.4	1.27	50.4	1.43	51.9	1.46	53.9	1.49	55.4	1.50
	86	8.1	39.3	1.29	42.6	1.50	46.4	1.74	50.4	1.96	51.9	2.01	53.9	2.06	55.4	2.10
		17.8	39.3	1.19	42.6	1.40	46.4	1.63	50.4	1.84	51.9	1.88	53.9	1.93	55.4	1.96
		20.3	39.3	1.16	42.6	1.38	46.4	1.60	50.4	1.81	51.9	1.85	53.9	1.90	55.4	1.93
		25.4	39.3	1.13	42.6	1.35	46.4	1.57	50.4	1.77	51.9	1.82	53.9	1.86	55.4	1.88
		30.5	39.3	1.11	42.6	1.34	46.4	1.55	50.4	1.75	51.9	1.80	53.9	1.84	55.4	1.86
	95	8.1	39.3	1.43	42.6	1.66	46.4	1.94	50.4	2.18	51.9	2.24	53.9	2.29	55.4	2.33
		17.8	39.3	1.32	42.6	1.56	46.4	1.81	50.4	2.04	51.9	2.09	53.9	2.15	55.4	2.18
		20.3	39.3	1.29	42.6	1.53	46.4	1.78	50.4	2.01	51.9	2.05	53.9	2.11	55.4	2.14
		25.4	39.3	1.25	42.6	1.49	46.4	1.75	50.4	1.97	51.9	2.02	53.9	2.07	55.4	2.09
		30.5	39.3	1.23	42.6	1.48	46.4	1.73	50.4	1.95	51.9	2.00	53.9	2.05	55.4	2.06
	104	8.1	39.3	1.69	42.6	1.97	46.4	2.29	50.4	2.58	51.9	2.64	53.9	2.71	55.4	2.76
		17.8	39.3	1.56	42.6	1.84	46.4	2.15	50.4	2.42	51.9	2.48	53.9	2.54	55.4	2.59
		20.3	39.3	1.53	42.6	1.81	46.4	2.11	50.4	2.38	51.9	2.44	53.9	2.49	55.4	2.54
		25.4	39.3	1.48	42.6	1.77	46.4	2.06	50.4	2.33	51.9	2.39	53.9	2.45	55.4	2.47
		30.5	39.3	1.46	42.6	1.75	46.4	2.04	50.4	2.30	51.9	2.36	53.9	2.43	55.4	2.44

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM072BAS5



72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	8.1	39.3	1.96	42.6	2.27	46.4	2.65	50.4	2.99	51.9	3.05	53.9	3.13	55.4	3.19
		17.8	39.3	1.80	42.6	2.13	46.4	2.49	50.4	2.80	51.9	2.87	53.9	2.93	55.4	2.99
		20.3	39.3	1.76	42.6	2.09	46.4	2.45	50.4	2.75	51.9	2.82	53.9	2.88	55.4	2.94
		25.4	39.3	1.71	42.6	2.05	46.4	2.38	50.4	2.69	51.9	2.76	53.9	2.83	55.4	2.85
		30.5	39.3	1.69	42.6	2.03	46.4	2.35	50.4	2.66	51.9	2.73	53.9	2.81	55.4	2.81
60	50	8.1	33.7	0.60	36.5	0.60	39.7	0.60	43.2	0.63	44.5	0.64	46.2	0.65	47.5	0.66
		17.8	33.7	0.60	36.5	0.60	39.7	0.60	43.2	0.61	44.5	0.61	46.2	0.62	47.5	0.63
		20.3	33.7	0.60	36.5	0.60	39.7	0.60	43.2	0.60	44.5	0.60	46.2	0.61	47.5	0.62
		25.4	33.7	0.60	36.5	0.60	39.7	0.60	43.2	0.60	44.5	0.60	46.2	0.60	47.5	0.60
		30.5	33.7	0.60	36.5	0.60	39.7	0.60	43.2	0.60	44.5	0.60	46.2	0.60	47.5	0.60
	59	8.1	33.7	0.60	36.5	0.65	39.7	0.75	43.2	0.85	44.5	0.87	46.2	0.88	47.5	0.90
		17.8	33.7	0.60	36.5	0.61	39.7	0.70	43.2	0.79	44.5	0.81	46.2	0.83	47.5	0.84
		20.3	33.7	0.60	36.5	0.60	39.7	0.69	43.2	0.78	44.5	0.80	46.2	0.82	47.5	0.83
		25.4	33.7	0.60	36.5	0.60	39.7	0.68	43.2	0.76	44.5	0.78	46.2	0.80	47.5	0.81
		30.5	33.7	0.60	36.5	0.60	39.7	0.67	43.2	0.76	44.5	0.77	46.2	0.79	47.5	0.80
	67	8.1	33.7	0.69	36.5	0.80	39.7	0.93	43.2	1.04	44.5	1.07	46.2	1.09	47.5	1.11
		17.8	33.7	0.63	36.5	0.74	39.7	0.87	43.2	0.98	44.5	1.00	46.2	1.03	47.5	1.05
		20.3	33.7	0.62	36.5	0.73	39.7	0.85	43.2	0.96	44.5	0.98	46.2	1.01	47.5	1.03
		25.4	33.7	0.60	36.5	0.71	39.7	0.83	43.2	0.94	44.5	0.96	46.2	0.99	47.5	1.00
		30.5	33.7	0.60	36.5	0.71	39.7	0.82	43.2	0.93	44.5	0.95	46.2	0.98	47.5	0.99
	75	8.1	33.7	0.83	36.5	0.97	39.7	1.13	43.2	1.27	44.5	1.30	46.2	1.33	47.5	1.36
		17.8	33.7	0.77	36.5	0.91	39.7	1.06	43.2	1.19	44.5	1.22	46.2	1.25	47.5	1.27
		20.3	33.7	0.75	36.5	0.89	39.7	1.04	43.2	1.17	44.5	1.20	46.2	1.23	47.5	1.25
		25.4	33.7	0.73	36.5	0.87	39.7	1.02	43.2	1.14	44.5	1.18	46.2	1.20	47.5	1.22
		30.5	33.7	0.72	36.5	0.86	39.7	1.01	43.2	1.13	44.5	1.17	46.2	1.19	47.5	1.20
	86	8.1	33.7	1.03	36.5	1.19	39.7	1.39	43.2	1.56	44.5	1.60	46.2	1.64	47.5	1.67
		17.8	33.7	0.94	36.5	1.12	39.7	1.30	43.2	1.46	44.5	1.50	46.2	1.54	47.5	1.57
		20.3	33.7	0.92	36.5	1.10	39.7	1.28	43.2	1.44	44.5	1.47	46.2	1.51	47.5	1.54
		25.4	33.7	0.90	36.5	1.08	39.7	1.25	43.2	1.41	44.5	1.45	46.2	1.48	47.5	1.50
		30.5	33.7	0.88	36.5	1.06	39.7	1.24	43.2	1.40	44.5	1.43	46.2	1.47	47.5	1.48
	95	8.1	33.7	1.14	36.5	1.33	39.7	1.55	43.2	1.74	44.5	1.78	46.2	1.83	47.5	1.86
		17.8	33.7	1.05	36.5	1.24	39.7	1.45	43.2	1.63	44.5	1.67	46.2	1.71	47.5	1.74
		20.3	33.7	1.03	36.5	1.22	39.7	1.42	43.2	1.60	44.5	1.64	46.2	1.68	47.5	1.71
		25.4	33.7	1.00	36.5	1.19	39.7	1.39	43.2	1.57	44.5	1.61	46.2	1.65	47.5	1.67
		30.5	33.7	0.99	36.5	1.18	39.7	1.38	43.2	1.55	44.5	1.59	46.2	1.64	47.5	1.64
	104	8.1	33.7	1.35	36.5	1.57	39.7	1.83	43.2	2.06	44.5	2.11	46.2	2.16	47.5	2.20
		17.8	33.7	1.25	36.5	1.47	39.7	1.71	43.2	1.92	44.5	1.97	46.2	2.02	47.5	2.06
		20.3	33.7	1.22	36.5	1.45	39.7	1.68	43.2	1.89	44.5	1.94	46.2	1.99	47.5	2.03
		25.4	33.7	1.18	36.5	1.41	39.7	1.65	43.2	1.85	44.5	1.90	46.2	1.95	47.5	1.97
		30.5	33.7	1.16	36.5	1.40	39.7	1.63	43.2	1.84	44.5	1.88	46.2	1.93	47.5	1.95
	113	8.1	33.7	1.56	36.5	1.81	39.7	2.11	43.2	2.38	44.5	2.44	46.2	2.49	47.5	2.55
		17.8	33.7	1.44	36.5	1.70	39.7	1.98	43.2	2.22	44.5	2.28	46.2	2.34	47.5	2.38
		20.3	33.7	1.41	36.5	1.67	39.7	1.95	43.2	2.18	44.5	2.24	46.2	2.30	47.5	2.34
		25.4	33.7	1.37	36.5	1.63	39.7	1.91	43.2	2.14	44.5	2.20	46.2	2.25	47.5	2.28
		30.5	33.7	1.34	36.5	1.62	39.7	1.89	43.2	2.12	44.5	2.18	46.2	2.23	47.5	2.25
50	50	8.1	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
		17.8	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
		20.3	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
		25.4	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
		30.5	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
	59	8.1	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.63	37.1	0.64	38.5	0.66	39.6	0.67
		17.8	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.61	37.1	0.61	38.5	0.62	39.6	0.63
		20.3	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.61	39.6	0.62
		25.4	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
		30.5	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

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# COOLING CAPACITY DATA

ARWM072BAS5

72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	8.1	28.1	0.60	30.4	0.60	33.1	0.69	36.0	0.78	37.1	0.80	38.5	0.81	39.6	0.83
		17.8	28.1	0.60	30.4	0.60	33.1	0.64	36.0	0.72	37.1	0.74	38.5	0.76	39.6	0.77
		20.3	28.1	0.60	30.4	0.60	33.1	0.63	36.0	0.71	37.1	0.73	38.5	0.75	39.6	0.76
		25.4	28.1	0.60	30.4	0.60	33.1	0.62	36.0	0.70	37.1	0.72	38.5	0.74	39.6	0.75
		30.5	28.1	0.60	30.4	0.60	33.1	0.62	36.0	0.70	37.1	0.71	38.5	0.73	39.6	0.74
	75	8.1	28.1	0.62	30.4	0.72	33.1	0.84	36.0	0.95	37.1	0.97	38.5	0.99	39.6	1.01
		17.8	28.1	0.60	30.4	0.68	33.1	0.78	36.0	0.89	37.1	0.91	38.5	0.93	39.6	0.95
		20.3	28.1	0.60	30.4	0.67	33.1	0.77	36.0	0.87	37.1	0.89	38.5	0.91	39.6	0.94
		25.4	28.1	0.60	30.4	0.65	33.1	0.76	36.0	0.85	37.1	0.88	38.5	0.90	39.6	0.91
		30.5	28.1	0.60	30.4	0.64	33.1	0.75	36.0	0.85	37.1	0.87	38.5	0.89	39.6	0.89
	86	8.1	28.1	0.77	30.4	0.89	33.1	1.04	36.0	1.17	37.1	1.20	38.5	1.22	39.6	1.25
		17.8	28.1	0.71	30.4	0.83	33.1	0.97	36.0	1.10	37.1	1.12	38.5	1.15	39.6	1.16
		20.3	28.1	0.69	30.4	0.82	33.1	0.95	36.0	1.08	37.1	1.10	38.5	1.13	39.6	1.14
		25.4	28.1	0.67	30.4	0.80	33.1	0.94	36.0	1.05	37.1	1.08	38.5	1.11	39.6	1.12
		30.5	28.1	0.66	30.4	0.79	33.1	0.93	36.0	1.04	37.1	1.07	38.5	1.10	39.6	1.10
	95	8.1	28.1	0.85	30.4	0.99	33.1	1.15	36.0	1.29	37.1	1.33	38.5	1.36	39.6	1.38
		17.8	28.1	0.79	30.4	0.93	33.1	1.08	36.0	1.21	37.1	1.24	38.5	1.27	39.6	1.29
		20.3	28.1	0.77	30.4	0.91	33.1	1.06	36.0	1.19	37.1	1.22	38.5	1.25	39.6	1.27
		25.4	28.1	0.75	30.4	0.89	33.1	1.04	36.0	1.17	37.1	1.20	38.5	1.23	39.6	1.24
		30.5	28.1	0.74	30.4	0.88	33.1	1.03	36.0	1.16	37.1	1.19	38.5	1.22	39.6	1.23
	104	8.1	28.1	1.01	30.4	1.17	33.1	1.37	36.0	1.53	37.1	1.57	38.5	1.61	39.6	1.64
		17.8	28.1	0.93	30.4	1.10	33.1	1.27	36.0	1.43	37.1	1.47	38.5	1.51	39.6	1.54
		20.3	28.1	0.91	30.4	1.08	33.1	1.25	36.0	1.41	37.1	1.45	38.5	1.48	39.6	1.51
		25.4	28.1	0.88	30.4	1.05	33.1	1.23	36.0	1.39	37.1	1.42	38.5	1.46	39.6	1.47
		30.5	28.1	0.87	30.4	1.04	33.1	1.22	36.0	1.37	37.1	1.41	38.5	1.44	39.6	1.45
	113	8.1	28.1	1.17	30.4	1.35	33.1	1.58	36.0	1.78	37.1	1.82	38.5	1.86	39.6	1.90
		17.8	28.1	1.07	30.4	1.26	33.1	1.48	36.0	1.66	37.1	1.70	38.5	1.74	39.6	1.78
		20.3	28.1	1.05	30.4	1.24	33.1	1.45	36.0	1.63	37.1	1.67	38.5	1.71	39.6	1.75
		25.4	28.1	1.02	30.4	1.21	33.1	1.42	36.0	1.60	37.1	1.64	38.5	1.68	39.6	1.69
		30.5	28.1	1.00	30.4	1.20	33.1	1.41	36.0	1.59	37.1	1.62	38.5	1.67	39.6	1.67

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Performance Data

# COOLING CAPACITY DATA



ARWM096BAS5

96,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	50	10.2	89.3	1.31	96.7	1.54	105.2	1.79	114.3	2.01	117.8	2.05	122.5	2.12	125.9	2.15
		17.8	89.3	1.25	96.7	1.47	105.2	1.71	114.3	1.93	117.8	1.97	122.5	2.03	125.9	2.07
		25.4	89.3	1.19	96.7	1.40	105.2	1.64	114.3	1.85	117.8	1.90	122.5	1.94	125.9	1.99
		31.8	89.3	1.16	96.7	1.38	105.2	1.61	114.3	1.80	117.8	1.86	122.5	1.91	125.9	1.93
		38.1	89.3	1.14	96.7	1.37	105.2	1.60	114.3	1.78	117.8	1.84	122.5	1.89	125.9	1.90
	59	10.2	87.8	1.73	95.1	2.01	103.5	2.35	112.5	2.64	115.9	2.70	120.4	2.77	123.8	2.82
		17.8	87.8	1.64	95.1	1.93	103.5	2.25	112.5	2.53	115.9	2.59	120.4	2.66	123.8	2.71
		25.4	87.8	1.56	95.1	1.85	103.5	2.15	112.5	2.43	115.9	2.49	120.4	2.55	123.8	2.61
		31.8	87.8	1.52	95.1	1.81	103.5	2.11	112.5	2.38	115.9	2.44	120.4	2.50	123.8	2.54
		38.1	87.8	1.50	95.1	1.79	103.5	2.09	112.5	2.35	115.9	2.42	120.4	2.48	123.8	2.51
	67	10.2	86.5	2.10	93.7	2.44	102.0	2.84	110.9	3.19	114.2	3.27	118.6	3.35	122.0	3.41
		17.8	86.5	1.99	93.7	2.34	102.0	2.72	110.9	3.06	114.2	3.14	118.6	3.22	122.0	3.28
		25.4	86.5	1.89	93.7	2.24	102.0	2.61	110.9	2.94	114.2	3.01	118.6	3.09	122.0	3.16
		31.8	86.5	1.84	93.7	2.20	102.0	2.56	110.9	2.89	114.2	2.96	118.6	3.03	122.0	3.09
		38.1	86.5	1.82	93.7	2.17	102.0	2.53	110.9	2.86	114.2	2.93	118.6	3.00	122.0	3.05
	75	10.2	86.5	2.59	93.7	3.00	102.0	3.50	110.9	3.95	114.2	4.04	118.6	4.13	122.0	4.20
		17.8	86.5	2.46	93.7	2.88	102.0	3.36	110.9	3.78	114.2	3.88	118.6	3.97	122.0	4.04
		25.4	86.5	2.34	93.7	2.77	102.0	3.22	110.9	3.62	114.2	3.72	118.6	3.82	122.0	3.89
		31.8	86.5	2.27	93.7	2.70	102.0	3.16	110.9	3.55	114.2	3.65	118.6	3.74	122.0	3.81
		38.1	86.5	2.23	93.7	2.67	102.0	3.13	110.9	3.52	114.2	3.61	118.6	3.70	122.0	3.76
	86	10.2	86.5	3.11	93.7	3.61	102.0	4.20	110.9	4.73	114.2	4.85	118.6	4.96	122.0	5.05
		17.8	86.5	2.95	93.7	3.46	102.0	4.03	110.9	4.54	114.2	4.65	118.6	4.77	122.0	4.86
		25.4	86.5	2.80	93.7	3.32	102.0	3.87	110.9	4.35	114.2	4.46	118.6	4.58	122.0	4.67
		31.8	86.5	2.72	93.7	3.25	102.0	3.79	110.9	4.27	114.2	4.38	118.6	4.49	122.0	4.57
		38.1	86.5	2.68	93.7	3.21	102.0	3.74	110.9	4.22	114.2	4.34	118.6	4.44	122.0	4.51
	95	10.2	77.9	3.14	84.3	3.65	91.8	4.25	99.8	4.78	102.8	4.90	106.8	5.02	109.8	5.10
		17.8	77.9	2.98	84.3	3.50	91.8	4.08	99.8	4.59	102.8	4.70	106.8	4.82	109.8	4.91
		25.4	77.9	2.83	84.3	3.35	91.8	3.91	99.8	4.41	102.8	4.51	106.8	4.63	109.8	4.73
		31.8	77.9	2.75	84.3	3.28	91.8	3.83	99.8	4.31	102.8	4.43	106.8	4.54	109.8	4.61
		38.1	77.9	2.71	84.3	3.25	91.8	3.78	99.8	4.27	102.8	4.38	106.8	4.49	109.8	4.56
	104	10.2	69.2	3.32	75.0	3.85	81.6	4.48	88.7	5.04	91.4	5.16	94.9	5.29	97.6	5.39
		17.8	69.2	3.15	75.0	3.69	81.6	4.30	88.7	4.84	91.4	4.96	94.9	5.09	97.6	5.18
		25.4	69.2	2.98	75.0	3.54	81.6	4.13	88.7	4.64	91.4	4.76	94.9	4.89	97.6	4.98
		31.8	69.2	2.90	75.0	3.46	81.6	4.04	88.7	4.55	91.4	4.67	94.9	4.79	97.6	4.87
		38.1	69.2	2.86	75.0	3.43	81.6	3.99	88.7	4.51	91.4	4.62	94.9	4.74	97.6	4.82
	113	10.2	60.5	3.49	65.7	4.04	71.4	4.72	77.6	5.31	80.0	5.42	83.0	5.55	85.4	5.67
		17.8	60.5	3.31	65.7	3.88	71.4	4.53	77.6	5.09	80.0	5.21	83.0	5.34	85.4	5.45
		25.4	60.5	3.14	65.7	3.73	71.4	4.34	77.6	4.88	80.0	5.01	83.0	5.14	85.4	5.24
		31.8	60.5	3.05	65.7	3.65	71.4	4.25	77.6	4.79	80.0	4.91	83.0	5.04	85.4	5.13
		38.1	60.5	3.00	65.7	3.60	71.4	4.20	77.6	4.74	80.0	4.87	83.0	4.99	85.4	5.07
120	50	10.2	84.5	1.25	91.4	1.46	99.6	1.69	108.3	1.90	111.5	1.96	115.9	2.01	119.1	2.03
		17.8	84.5	1.18	91.4	1.40	99.6	1.62	108.3	1.82	111.5	1.87	115.9	1.92	119.1	1.95
		25.4	84.5	1.12	91.4	1.34	99.6	1.56	108.3	1.75	111.5	1.79	115.9	1.84	119.1	1.88
		31.8	84.5	1.09	91.4	1.30	99.6	1.53	108.3	1.71	111.5	1.76	115.9	1.80	119.1	1.84
		38.1	84.5	1.07	91.4	1.28	99.6	1.51	108.3	1.69	111.5	1.75	115.9	1.79	119.1	1.82
	59	10.2	83.5	1.66	90.4	1.93	98.5	2.24	107.0	2.52	110.2	2.59	114.5	2.65	117.7	2.69
		17.8	83.5	1.57	90.4	1.85	98.5	2.15	107.0	2.42	110.2	2.48	114.5	2.54	117.7	2.59
		25.4	83.5	1.49	90.4	1.77	98.5	2.06	107.0	2.32	110.2	2.38	114.5	2.44	117.7	2.49
		31.8	83.5	1.45	90.4	1.73	98.5	2.02	107.0	2.27	110.2	2.34	114.5	2.39	117.7	2.43
		38.1	83.5	1.43	90.4	1.71	98.5	2.00	107.0	2.25	110.2	2.31	114.5	2.37	117.7	2.40
	67	10.2	82.6	2.02	89.5	2.35	97.5	2.73	105.9	3.07	109.1	3.14	113.3	3.22	116.5	3.28
		17.8	82.6	1.92	89.5	2.25	97.5	2.62	105.9	2.95	109.1	3.02	113.3	3.10	116.5	3.15
		25.4	82.6	1.82	89.5	2.15	97.5	2.51	105.9	2.83	109.1	2.90	113.3	2.98	116.5	3.03
		31.8	82.6	1.77	89.5	2.11	97.5	2.46	105.9	2.77	109.1	2.84	113.3	2.91	116.5	2.96
		38.1	82.6	1.75	89.5	2.09	97.5	2.44	105.9	2.75	109.1	2.82	113.3	2.88	116.5	2.93

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 96,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	75	10.2	82.6	2.48	89.5	2.88	97.5	3.36	105.9	3.78	109.1	3.87	113.3	3.97	116.5	4.03
		17.8	82.6	2.36	89.5	2.76	97.5	3.22	105.9	3.63	109.1	3.71	113.3	3.81	116.5	3.88
		25.4	82.6	2.24	89.5	2.65	97.5	3.09	105.9	3.48	109.1	3.56	113.3	3.65	116.5	3.73
		31.8	82.6	2.17	89.5	2.59	97.5	3.03	105.9	3.41	109.1	3.49	113.3	3.58	116.5	3.64
		38.1	82.6	2.14	89.5	2.56	97.5	2.99	105.9	3.37	109.1	3.46	113.3	3.55	116.5	3.59
	86	10.2	82.6	2.99	89.5	3.49	97.5	4.06	105.9	4.57	109.1	4.67	113.3	4.79	116.5	4.88
		17.8	82.6	2.84	89.5	3.35	97.5	3.89	105.9	4.38	109.1	4.49	113.3	4.60	116.5	4.69
		25.4	82.6	2.70	89.5	3.21	97.5	3.73	105.9	4.20	109.1	4.31	113.3	4.42	116.5	4.50
		31.8	82.6	2.63	89.5	3.14	97.5	3.65	105.9	4.12	109.1	4.22	113.3	4.34	116.5	4.40
		38.1	82.6	2.59	89.5	3.10	97.5	3.61	105.9	4.08	109.1	4.18	113.3	4.29	116.5	4.35
	95	10.2	75.6	3.07	81.9	3.57	89.2	4.16	96.9	4.68	99.8	4.80	103.7	4.91	106.6	5.00
		17.8	75.6	2.92	81.9	3.42	89.2	3.99	96.9	4.49	99.8	4.60	103.7	4.72	106.6	4.80
		25.4	75.6	2.77	81.9	3.28	89.2	3.83	96.9	4.31	99.8	4.41	103.7	4.53	106.6	4.61
		31.8	75.6	2.69	81.9	3.21	89.2	3.75	96.9	4.22	99.8	4.33	103.7	4.44	106.6	4.51
		38.1	75.6	2.65	81.9	3.18	89.2	3.71	96.9	4.18	99.8	4.29	103.7	4.39	106.6	4.46
	104	10.2	68.6	3.31	74.3	3.84	80.9	4.48	88.0	5.04	90.6	5.16	94.1	5.28	96.7	5.38
		17.8	68.6	3.14	74.3	3.68	80.9	4.30	88.0	4.84	90.6	4.95	94.1	5.07	96.7	5.17
		25.4	68.6	2.98	74.3	3.53	80.9	4.12	88.0	4.64	90.6	4.75	94.1	4.87	96.7	4.97
		31.8	68.6	2.90	74.3	3.46	80.9	4.04	88.0	4.54	90.6	4.66	94.1	4.78	96.7	4.85
		38.1	68.6	2.86	74.3	3.42	80.9	3.99	88.0	4.50	90.6	4.62	94.1	4.74	96.7	4.79
	113	10.2	61.6	3.54	66.7	4.11	72.6	4.80	79.1	5.39	81.4	5.52	84.5	5.66	86.8	5.76
		17.8	61.6	3.37	66.7	3.95	72.6	4.60	79.1	5.17	81.4	5.30	84.5	5.43	86.8	5.54
		25.4	61.6	3.20	66.7	3.79	72.6	4.41	79.1	4.96	81.4	5.08	84.5	5.21	86.8	5.33
		31.8	61.6	3.11	66.7	3.70	72.6	4.32	79.1	4.87	81.4	5.00	84.5	5.12	86.8	5.19
		38.1	61.6	3.06	66.7	3.66	72.6	4.28	79.1	4.82	81.4	4.96	84.5	5.08	86.8	5.13
110	50	10.2	79.6	1.18	86.4	1.36	94.0	1.60	102.1	1.79	105.1	1.83	109.3	1.89	112.2	1.92
		17.8	79.6	1.12	86.4	1.31	94.0	1.53	102.1	1.72	105.1	1.76	109.3	1.81	112.2	1.84
		25.4	79.6	1.06	86.4	1.26	94.0	1.46	102.1	1.65	105.1	1.70	109.3	1.74	112.2	1.77
		31.8	79.6	1.03	86.4	1.23	94.0	1.43	102.1	1.63	105.1	1.65	109.3	1.71	112.2	1.73
		38.1	79.6	1.02	86.4	1.21	94.0	1.41	102.1	1.61	105.1	1.63	109.3	1.69	112.2	1.71
	59	10.2	79.2	1.58	85.8	1.84	93.4	2.14	101.5	2.41	104.5	2.46	108.6	2.53	111.6	2.57
		17.8	79.2	1.50	85.8	1.76	93.4	2.05	101.5	2.31	104.5	2.36	108.6	2.43	111.6	2.47
		25.4	79.2	1.42	85.8	1.69	93.4	1.97	101.5	2.22	104.5	2.27	108.6	2.33	111.6	2.37
		31.8	79.2	1.39	85.8	1.65	93.4	1.92	101.5	2.17	104.5	2.22	108.6	2.29	111.6	2.31
		38.1	79.2	1.37	85.8	1.63	93.4	1.90	101.5	2.15	104.5	2.20	108.6	2.27	111.6	2.29
	67	10.2	78.8	1.93	85.3	2.25	92.9	2.62	101.0	2.95	104.0	3.03	108.0	3.10	111.1	3.15
		17.8	78.8	1.83	85.3	2.16	92.9	2.51	101.0	2.83	104.0	2.90	108.0	2.97	111.1	3.03
		25.4	78.8	1.74	85.3	2.07	92.9	2.41	101.0	2.72	104.0	2.78	108.0	2.85	111.1	2.91
		31.8	78.8	1.70	85.3	2.03	92.9	2.36	101.0	2.66	104.0	2.73	108.0	2.80	111.1	2.84
		38.1	78.8	1.68	85.3	2.01	92.9	2.34	101.0	2.63	104.0	2.71	108.0	2.78	111.1	2.80
	75	10.2	78.8	2.37	85.3	2.76	92.9	3.21	101.0	3.61	104.0	3.70	108.0	3.79	111.1	3.86
		17.8	78.8	2.25	85.3	2.65	92.9	3.08	101.0	3.46	104.0	3.55	108.0	3.64	111.1	3.71
		25.4	78.8	2.14	85.3	2.54	92.9	2.96	101.0	3.32	104.0	3.41	108.0	3.49	111.1	3.56
		31.8	78.8	2.08	85.3	2.48	92.9	2.89	101.0	3.26	104.0	3.34	108.0	3.43	111.1	3.47
		38.1	78.8	2.05	85.3	2.45	92.9	2.86	101.0	3.23	104.0	3.30	108.0	3.40	111.1	3.43
	86	10.2	78.8	2.89	85.3	3.36	92.9	3.91	101.0	4.41	104.0	4.51	108.0	4.62	111.1	4.70
		17.8	78.8	2.75	85.3	3.22	92.9	3.75	101.0	4.23	104.0	4.33	108.0	4.44	111.1	4.52
		25.4	78.8	2.61	85.3	3.09	92.9	3.60	101.0	4.05	104.0	4.15	108.0	4.26	111.1	4.34
		31.8	78.8	2.54	85.3	3.03	92.9	3.53	101.0	3.97	104.0	4.07	108.0	4.18	111.1	4.23
		38.1	78.8	2.50	85.3	2.99	92.9	3.49	101.0	3.93	104.0	4.03	108.0	4.13	111.1	4.18
	95	10.2	73.4	3.01	79.5	3.49	86.6	4.07	94.1	4.58	96.9	4.69	100.7	4.80	103.5	4.89
		17.8	73.4	2.86	79.5	3.35	86.6	3.90	94.1	4.40	96.9	4.50	100.7	4.61	103.5	4.70
		25.4	73.4	2.71	79.5	3.21	86.6	3.74	94.1	4.22	96.9	4.31	100.7	4.43	103.5	4.51
		31.8	73.4	2.63	79.5	3.14	86.6	3.67	94.1	4.13	96.9	4.24	100.7	4.34	103.5	4.40
		38.1	73.4	2.60	79.5	3.11	86.6	3.63	94.1	4.09	96.9	4.20	100.7	4.30	103.5	4.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA



ARWM096BAS5

96,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	10.2	68.0	3.30	73.7	3.84	80.2	4.47	87.2	5.03	89.8	5.15	93.3	5.28	95.9	5.38
		17.8	68.0	3.14	73.7	3.68	80.2	4.29	87.2	4.83	89.8	4.94	93.3	5.07	95.9	5.17
		25.4	68.0	2.98	73.7	3.53	80.2	4.11	87.2	4.63	89.8	4.74	93.3	4.87	95.9	4.96
		31.8	68.0	2.89	73.7	3.45	80.2	4.03	87.2	4.54	89.8	4.66	93.3	4.77	95.9	4.83
		38.1	68.0	2.85	73.7	3.41	80.2	3.99	87.2	4.49	89.8	4.61	93.3	4.73	95.9	4.77
	113	10.2	62.6	3.59	67.9	4.19	73.8	4.87	80.3	5.48	82.7	5.61	85.9	5.75	88.3	5.86
		17.8	62.6	3.41	67.9	4.01	73.8	4.67	80.3	5.26	82.7	5.39	85.9	5.52	88.3	5.63
		25.4	62.6	3.24	67.9	3.84	73.8	4.48	80.3	5.04	82.7	5.17	85.9	5.30	88.3	5.40
		31.8	62.6	3.15	67.9	3.76	73.8	4.39	80.3	4.94	82.7	5.07	85.9	5.21	88.3	5.26
		38.1	62.6	3.11	67.9	3.71	73.8	4.35	80.3	4.89	82.7	5.03	85.9	5.16	88.3	5.19
100	50	10.2	74.9	1.12	81.1	1.30	88.3	1.49	96.0	1.70	98.9	1.72	102.7	1.78	105.6	1.81
		17.8	74.9	1.06	81.1	1.24	88.3	1.43	96.0	1.63	98.9	1.66	102.7	1.71	105.6	1.74
		25.4	74.9	1.01	81.1	1.19	88.3	1.38	96.0	1.56	98.9	1.60	102.7	1.64	105.6	1.67
		31.8	74.9	0.97	81.1	1.16	88.3	1.35	96.0	1.53	98.9	1.56	102.7	1.60	105.6	1.62
		38.1	74.9	0.96	81.1	1.15	88.3	1.33	96.0	1.51	98.9	1.55	102.7	1.59	105.6	1.59
	59	10.2	74.9	1.51	81.1	1.75	88.3	2.03	96.0	2.30	98.9	2.34	102.7	2.41	105.6	2.45
		17.8	74.9	1.43	81.1	1.68	88.3	1.95	96.0	2.20	98.9	2.25	102.7	2.31	105.6	2.35
		25.4	74.9	1.36	81.1	1.61	88.3	1.88	96.0	2.11	98.9	2.16	102.7	2.22	105.6	2.26
		31.8	74.9	1.32	81.1	1.58	88.3	1.83	96.0	2.07	98.9	2.12	102.7	2.17	105.6	2.20
		38.1	74.9	1.30	81.1	1.56	88.3	1.81	96.0	2.05	98.9	2.10	102.7	2.15	105.6	2.16
	67	10.2	74.9	1.86	81.1	2.15	88.3	2.52	96.0	2.83	98.9	2.90	102.7	2.97	105.6	3.02
		17.8	74.9	1.76	81.1	2.07	88.3	2.41	96.0	2.71	98.9	2.78	102.7	2.85	105.6	2.90
		25.4	74.9	1.67	81.1	1.99	88.3	2.31	96.0	2.60	98.9	2.66	102.7	2.73	105.6	2.78
		31.8	74.9	1.62	81.1	1.94	88.3	2.27	96.0	2.55	98.9	2.61	102.7	2.68	105.6	2.71
		38.1	74.9	1.60	81.1	1.92	88.3	2.24	96.0	2.53	98.9	2.59	102.7	2.66	105.6	2.68
	75	10.2	74.9	2.26	81.1	2.63	88.3	3.06	96.0	3.45	98.9	3.54	102.7	3.62	105.6	3.68
		17.8	74.9	2.15	81.1	2.52	88.3	2.94	96.0	3.31	98.9	3.39	102.7	3.47	105.6	3.53
		25.4	74.9	2.04	81.1	2.42	88.3	2.82	96.0	3.17	98.9	3.25	102.7	3.33	105.6	3.39
		31.8	74.9	1.99	81.1	2.37	88.3	2.76	96.0	3.11	98.9	3.19	102.7	3.27	105.6	3.30
		38.1	74.9	1.96	81.1	2.35	88.3	2.73	96.0	3.08	98.9	3.15	102.7	3.24	105.6	3.26
	86	10.2	74.9	2.78	81.1	3.24	88.3	3.77	96.0	4.24	98.9	4.34	102.7	4.45	105.6	4.53
		17.8	74.9	2.64	81.1	3.11	88.3	3.61	96.0	4.07	98.9	4.16	102.7	4.27	105.6	4.35
		25.4	74.9	2.51	81.1	2.98	88.3	3.46	96.0	3.90	98.9	3.99	102.7	4.10	105.6	4.18
		31.8	74.9	2.44	81.1	2.91	88.3	3.39	96.0	3.83	98.9	3.92	102.7	4.02	105.6	4.06
		38.1	74.9	2.40	81.1	2.88	88.3	3.36	96.0	3.79	98.9	3.89	102.7	3.98	105.6	4.01
	95	10.2	71.2	2.94	77.1	3.41	83.9	3.97	91.2	4.48	93.9	4.58	97.6	4.70	100.3	4.78
		17.8	71.2	2.79	77.1	3.27	83.9	3.81	91.2	4.30	93.9	4.40	97.6	4.51	100.3	4.59
		25.4	71.2	2.65	77.1	3.14	83.9	3.66	91.2	4.12	93.9	4.22	97.6	4.33	100.3	4.41
		31.8	71.2	2.58	77.1	3.07	83.9	3.58	91.2	4.04	93.9	4.14	97.6	4.25	100.3	4.29
		38.1	71.2	2.54	77.1	3.04	83.9	3.54	91.2	4.00	93.9	4.10	97.6	4.20	100.3	4.23
	104	10.2	67.4	3.30	73.0	3.83	79.5	4.46	86.4	5.02	89.0	5.14	92.5	5.27	95.0	5.36
		17.8	67.4	3.13	73.0	3.68	79.5	4.28	86.4	4.82	89.0	4.93	92.5	5.06	95.0	5.15
		25.4	67.4	2.97	73.0	3.53	79.5	4.11	86.4	4.62	89.0	4.73	92.5	4.85	95.0	4.94
		31.8	67.4	2.89	73.0	3.45	79.5	4.02	86.4	4.53	89.0	4.64	92.5	4.76	95.0	4.81
		38.1	67.4	2.85	73.0	3.41	79.5	3.98	86.4	4.49	89.0	4.60	92.5	4.72	95.0	4.74
	113	10.2	63.6	3.67	68.9	4.25	75.1	4.95	81.6	5.57	84.1	5.70	87.4	5.85	89.7	5.94
		17.8	63.6	3.48	68.9	4.08	75.1	4.75	81.6	5.34	84.1	5.47	87.4	5.61	89.7	5.71
		25.4	63.6	3.29	68.9	3.91	75.1	4.55	81.6	5.12	84.1	5.25	87.4	5.37	89.7	5.48
		31.8	63.6	3.21	68.9	3.83	75.1	4.46	81.6	5.02	84.1	5.14	87.4	5.28	89.7	5.33
		38.1	63.6	3.16	68.9	3.78	75.1	4.42	81.6	4.97	84.1	5.09	87.4	5.23	89.7	5.26
90	50	10.2	67.4	0.95	73.0	1.10	79.5	1.29	86.4	1.46	89.0	1.48	92.5	1.51	95.0	1.56
		17.8	67.4	0.91	73.0	1.06	79.5	1.24	86.4	1.40	89.0	1.42	92.5	1.46	95.0	1.50
		25.4	67.4	0.87	73.0	1.03	79.5	1.19	86.4	1.35	89.0	1.37	92.5	1.42	95.0	1.44
		31.8	67.4	0.84	73.0	0.99	79.5	1.17	86.4	1.31	89.0	1.35	92.5	1.39	95.0	1.39
		38.1	67.4	0.82	73.0	0.97	79.5	1.16	86.4	1.29	89.0	1.33	92.5	1.38	95.0	1.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	10.2	67.4	1.29	73.0	1.50	79.5	1.75	86.4	1.98	89.0	2.02	92.5	2.07	95.0	2.11
		17.8	67.4	1.23	73.0	1.44	79.5	1.68	86.4	1.90	89.0	1.94	92.5	1.99	95.0	2.02
		25.4	67.4	1.17	73.0	1.39	79.5	1.61	86.4	1.82	89.0	1.86	92.5	1.91	95.0	1.94
		31.8	67.4	1.14	73.0	1.35	79.5	1.58	86.4	1.78	89.0	1.83	92.5	1.88	95.0	1.89
		38.1	67.4	1.12	73.0	1.33	79.5	1.57	86.4	1.76	89.0	1.81	92.5	1.86	95.0	1.86
	67	10.2	67.4	1.60	73.0	1.86	79.5	2.16	86.4	2.44	89.0	2.49	92.5	2.56	95.0	2.60
		17.8	67.4	1.52	73.0	1.78	79.5	2.07	86.4	2.34	89.0	2.39	92.5	2.45	95.0	2.50
		25.4	67.4	1.44	73.0	1.71	79.5	1.99	86.4	2.24	89.0	2.29	92.5	2.35	95.0	2.40
		31.8	67.4	1.40	73.0	1.67	79.5	1.95	86.4	2.20	89.0	2.25	92.5	2.31	95.0	2.34
		38.1	67.4	1.38	73.0	1.66	79.5	1.93	86.4	2.17	89.0	2.23	92.5	2.29	95.0	2.30
	75	10.2	67.4	1.95	73.0	2.27	79.5	2.64	86.4	2.97	89.0	3.04	92.5	3.12	95.0	3.17
		17.8	67.4	1.85	73.0	2.17	79.5	2.53	86.4	2.85	89.0	2.92	92.5	2.99	95.0	3.04
		25.4	67.4	1.76	73.0	2.08	79.5	2.43	86.4	2.73	89.0	2.80	92.5	2.87	95.0	2.92
		31.8	67.4	1.71	73.0	2.04	79.5	2.38	86.4	2.68	89.0	2.75	92.5	2.82	95.0	2.84
		38.1	67.4	1.68	73.0	2.01	79.5	2.35	86.4	2.65	89.0	2.72	92.5	2.79	95.0	2.81
	86	10.2	67.4	2.40	73.0	2.79	79.5	3.25	86.4	3.66	89.0	3.74	92.5	3.83	95.0	3.90
		17.8	67.4	2.28	73.0	2.67	79.5	3.11	86.4	3.51	89.0	3.59	92.5	3.68	95.0	3.74
		25.4	67.4	2.16	73.0	2.56	79.5	2.98	86.4	3.36	89.0	3.44	92.5	3.53	95.0	3.59
		31.8	67.4	2.10	73.0	2.51	79.5	2.92	86.4	3.30	89.0	3.37	92.5	3.46	95.0	3.50
		38.1	67.4	2.07	73.0	2.48	79.5	2.89	86.4	3.27	89.0	3.34	92.5	3.43	95.0	3.45
	95	10.2	65.6	2.59	71.0	3.00	77.3	3.50	84.0	3.94	86.5	4.03	89.9	4.13	92.4	4.21
		17.8	65.6	2.46	71.0	2.88	77.3	3.36	84.0	3.78	86.5	3.87	89.9	3.97	92.4	4.04
		25.4	65.6	2.33	71.0	2.76	77.3	3.22	84.0	3.62	86.5	3.71	89.9	3.81	92.4	3.88
		31.8	65.6	2.27	71.0	2.70	77.3	3.15	84.0	3.55	86.5	3.65	89.9	3.74	92.4	3.77
		38.1	65.6	2.23	71.0	2.68	77.3	3.12	84.0	3.52	86.5	3.61	89.9	3.70	92.4	3.72
	104	10.2	63.7	2.97	69.0	3.45	75.1	4.02	81.6	4.53	84.1	4.63	87.3	4.75	89.8	4.83
		17.8	63.7	2.82	69.0	3.31	75.1	3.86	81.6	4.34	84.1	4.45	87.3	4.56	89.8	4.64
		25.4	63.7	2.68	69.0	3.17	75.1	3.70	81.6	4.16	84.1	4.27	87.3	4.37	89.8	4.45
		31.8	63.7	2.60	69.0	3.11	75.1	3.62	81.6	4.08	84.1	4.18	87.3	4.29	89.8	4.34
		38.1	63.7	2.56	69.0	3.08	75.1	3.59	81.6	4.05	84.1	4.14	87.3	4.26	89.8	4.28
	113	10.2	61.8	3.36	67.0	3.90	72.9	4.53	79.2	5.12	81.7	5.23	84.7	5.36	87.2	5.45
		17.8	61.8	3.19	67.0	3.74	72.9	4.35	79.2	4.91	81.7	5.02	84.7	5.15	87.2	5.24
		25.4	61.8	3.03	67.0	3.58	72.9	4.18	79.2	4.70	81.7	4.82	84.7	4.94	87.2	5.03
		31.8	61.8	2.93	67.0	3.51	72.9	4.10	79.2	4.61	81.7	4.72	84.7	4.85	87.2	4.90
		38.1	61.8	2.89	67.0	3.48	72.9	4.06	79.2	4.57	81.7	4.67	84.7	4.81	87.2	4.83
80	50	10.2	59.9	0.81	64.9	0.92	70.7	1.07	76.8	1.23	79.1	1.25	82.2	1.28	84.5	1.29
		17.8	59.9	0.76	64.9	0.89	70.7	1.03	76.8	1.17	79.1	1.20	82.2	1.22	84.5	1.24
		25.4	59.9	0.72	64.9	0.87	70.7	1.00	76.8	1.12	79.1	1.15	82.2	1.17	84.5	1.19
		31.8	59.9	0.71	64.9	0.84	70.7	0.98	76.8	1.10	79.1	1.12	82.2	1.15	84.5	1.17
		38.1	59.9	0.71	64.9	0.82	70.7	0.97	76.8	1.09	79.1	1.10	82.2	1.14	84.5	1.15
	59	10.2	59.9	1.09	64.9	1.26	70.7	1.47	76.8	1.66	79.1	1.69	82.2	1.74	84.5	1.76
		17.8	59.9	1.03	64.9	1.21	70.7	1.41	76.8	1.59	79.1	1.62	82.2	1.67	84.5	1.69
		25.4	59.9	0.98	64.9	1.16	70.7	1.35	76.8	1.52	79.1	1.56	82.2	1.60	84.5	1.62
		31.8	59.9	0.95	64.9	1.14	70.7	1.32	76.8	1.49	79.1	1.53	82.2	1.57	84.5	1.58
		38.1	59.9	0.94	64.9	1.12	70.7	1.31	76.8	1.48	79.1	1.51	82.2	1.55	84.5	1.56
	67	10.2	59.9	1.34	64.9	1.56	70.7	1.81	76.8	2.04	79.1	2.09	82.2	2.14	84.5	2.18
		17.8	59.9	1.27	64.9	1.49	70.7	1.74	76.8	1.96	79.1	2.00	82.2	2.05	84.5	2.09
		25.4	59.9	1.21	64.9	1.43	70.7	1.67	76.8	1.88	79.1	1.92	82.2	1.97	84.5	2.01
		31.8	59.9	1.17	64.9	1.40	70.7	1.63	76.8	1.84	79.1	1.89	82.2	1.94	84.5	1.95
		38.1	59.9	1.15	64.9	1.39	70.7	1.61	76.8	1.82	79.1	1.87	82.2	1.92	84.5	1.92
	75	10.2	59.9	1.64	64.9	1.90	70.7	2.21	76.8	2.49	79.1	2.55	82.2	2.61	84.5	2.66
		17.8	59.9	1.55	64.9	1.82	70.7	2.12	76.8	2.39	79.1	2.44	82.2	2.50	84.5	2.55
		25.4	59.9	1.47	64.9	1.74	70.7	2.04	76.8	2.29	79.1	2.34	82.2	2.40	84.5	2.45
		31.8	59.9	1.43	64.9	1.71	70.7	1.99	76.8	2.24	79.1	2.30	82.2	2.36	84.5	2.38
		38.1	59.9	1.41	64.9	1.69	70.7	1.97	76.8	2.22	79.1	2.28	82.2	2.34	84.5	2.35

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM096BAS5



96,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	10.2	59.9	2.00	64.9	2.33	70.7	2.72	76.8	3.06	79.1	3.13	82.2	3.21	84.5	3.27
		17.8	59.9	1.90	64.9	2.24	70.7	2.61	76.8	2.94	79.1	3.01	82.2	3.08	84.5	3.14
		25.4	59.9	1.81	64.9	2.15	70.7	2.50	76.8	2.82	79.1	2.89	82.2	2.96	84.5	3.01
		31.8	59.9	1.76	64.9	2.10	70.7	2.45	76.8	2.76	79.1	2.83	82.2	2.90	84.5	2.93
		38.1	59.9	1.74	64.9	2.07	70.7	2.42	76.8	2.73	79.1	2.80	82.2	2.87	84.5	2.90
	95	10.2	59.9	2.23	64.9	2.59	70.7	3.02	76.8	3.40	79.1	3.49	82.2	3.57	84.5	3.63
		17.8	59.9	2.12	64.9	2.48	70.7	2.90	76.8	3.26	79.1	3.35	82.2	3.42	84.5	3.49
		25.4	59.9	2.01	64.9	2.38	70.7	2.78	76.8	3.13	79.1	3.21	82.2	3.28	84.5	3.35
		31.8	59.9	1.96	64.9	2.34	70.7	2.73	76.8	3.07	79.1	3.14	82.2	3.23	84.5	3.26
		38.1	59.9	1.93	64.9	2.31	70.7	2.70	76.8	3.04	79.1	3.11	82.2	3.20	84.5	3.21
	104	10.2	59.9	2.65	64.9	3.08	70.7	3.58	76.8	4.03	79.1	4.12	82.2	4.23	84.5	4.30
		17.8	59.9	2.51	64.9	2.95	70.7	3.43	76.8	3.87	79.1	3.95	82.2	4.06	84.5	4.13
		25.4	59.9	2.38	64.9	2.82	70.7	3.29	76.8	3.71	79.1	3.79	82.2	3.89	84.5	3.96
		31.8	59.9	2.31	64.9	2.77	70.7	3.22	76.8	3.63	79.1	3.72	82.2	3.82	84.5	3.85
		38.1	59.9	2.28	64.9	2.74	70.7	3.19	76.8	3.59	79.1	3.69	82.2	3.78	84.5	3.80
	113	10.2	59.9	3.06	64.9	3.56	70.7	4.14	76.8	4.66	79.1	4.76	82.2	4.89	84.5	4.97
		17.8	59.9	2.90	64.9	3.41	70.7	3.97	76.8	4.47	79.1	4.57	82.2	4.69	84.5	4.77
		25.4	59.9	2.75	64.9	3.26	70.7	3.80	76.8	4.29	79.1	4.38	82.2	4.50	84.5	4.57
		31.8	59.9	2.67	64.9	3.20	70.7	3.72	76.8	4.20	79.1	4.30	82.2	4.41	84.5	4.45
		38.1	59.9	2.63	64.9	3.17	70.7	3.67	76.8	4.15	79.1	4.26	82.2	4.37	84.5	4.39
70	50	10.2	52.5	0.66	56.8	0.77	61.9	0.89	67.2	1.00	69.2	1.04	71.9	1.07	73.9	1.07
		17.8	52.5	0.63	56.8	0.73	61.9	0.85	67.2	0.97	69.2	1.00	71.9	1.03	73.9	1.03
		25.4	52.5	0.60	56.8	0.70	61.9	0.82	67.2	0.94	69.2	0.96	71.9	0.99	73.9	1.00
		31.8	52.5	0.60	56.8	0.69	61.9	0.81	67.2	0.91	69.2	0.93	71.9	0.96	73.9	0.97
		38.1	52.5	0.60	56.8	0.68	61.9	0.80	67.2	0.90	69.2	0.92	71.9	0.94	73.9	0.96
	59	10.2	52.5	0.90	56.8	1.05	61.9	1.22	67.2	1.37	69.2	1.41	71.9	1.44	73.9	1.47
		17.8	52.5	0.86	56.8	1.00	61.9	1.17	67.2	1.32	69.2	1.35	71.9	1.38	73.9	1.41
		25.4	52.5	0.82	56.8	0.96	61.9	1.12	67.2	1.27	69.2	1.30	71.9	1.33	73.9	1.35
		31.8	52.5	0.79	56.8	0.94	61.9	1.10	67.2	1.24	69.2	1.27	71.9	1.30	73.9	1.32
		38.1	52.5	0.78	56.8	0.93	61.9	1.09	67.2	1.23	69.2	1.25	71.9	1.29	73.9	1.30
	67	10.2	52.5	1.12	56.8	1.30	61.9	1.51	67.2	1.70	69.2	1.74	71.9	1.78	73.9	1.81
		17.8	52.5	1.06	56.8	1.24	61.9	1.45	67.2	1.63	69.2	1.67	71.9	1.71	73.9	1.74
		25.4	52.5	1.00	56.8	1.19	61.9	1.39	67.2	1.56	69.2	1.60	71.9	1.64	73.9	1.67
		31.8	52.5	0.98	56.8	1.16	61.9	1.36	67.2	1.53	69.2	1.57	71.9	1.61	73.9	1.62
		38.1	52.5	0.96	56.8	1.15	61.9	1.35	67.2	1.52	69.2	1.55	71.9	1.60	73.9	1.60
	75	10.2	52.5	1.36	56.8	1.58	61.9	1.83	67.2	2.07	69.2	2.12	71.9	2.17	73.9	2.21
		17.8	52.5	1.29	56.8	1.51	61.9	1.76	67.2	1.98	69.2	2.03	71.9	2.08	73.9	2.12
		25.4	52.5	1.23	56.8	1.45	61.9	1.69	67.2	1.90	69.2	1.95	71.9	2.00	73.9	2.04
		31.8	52.5	1.19	56.8	1.42	61.9	1.66	67.2	1.87	69.2	1.91	71.9	1.96	73.9	1.98
		38.1	52.5	1.17	56.8	1.41	61.9	1.64	67.2	1.85	69.2	1.89	71.9	1.94	73.9	1.95
	86	10.2	52.5	1.67	56.8	1.94	61.9	2.26	67.2	2.54	69.2	2.61	71.9	2.67	73.9	2.72
		17.8	52.5	1.59	56.8	1.86	61.9	2.17	67.2	2.44	69.2	2.50	71.9	2.56	73.9	2.61
		25.4	52.5	1.51	56.8	1.78	61.9	2.08	67.2	2.34	69.2	2.40	71.9	2.46	73.9	2.50
		31.8	52.5	1.46	56.8	1.75	61.9	2.04	67.2	2.29	69.2	2.36	71.9	2.41	73.9	2.44
		38.1	52.5	1.44	56.8	1.73	61.9	2.01	67.2	2.27	69.2	2.33	71.9	2.39	73.9	2.41
	95	10.2	52.5	1.86	56.8	2.15	61.9	2.52	67.2	2.83	69.2	2.90	71.9	2.97	73.9	3.02
		17.8	52.5	1.76	56.8	2.07	61.9	2.41	67.2	2.71	69.2	2.78	71.9	2.85	73.9	2.90
		25.4	52.5	1.67	56.8	1.99	61.9	2.31	67.2	2.60	69.2	2.66	71.9	2.73	73.9	2.78
		31.8	52.5	1.62	56.8	1.94	61.9	2.27	67.2	2.55	69.2	2.61	71.9	2.68	73.9	2.71
		38.1	52.5	1.60	56.8	1.91	61.9	2.24	67.2	2.53	69.2	2.59	71.9	2.66	73.9	2.68
	104	10.2	52.5	2.20	56.8	2.55	61.9	2.98	67.2	3.35	69.2	3.43	71.9	3.51	73.9	3.58
		17.8	52.5	2.09	56.8	2.45	61.9	2.86	67.2	3.21	69.2	3.29	71.9	3.37	73.9	3.44
		25.4	52.5	1.98	56.8	2.35	61.9	2.74	67.2	3.08	69.2	3.16	71.9	3.23	73.9	3.30
		31.8	52.5	1.92	56.8	2.30	61.9	2.68	67.2	3.02	69.2	3.09	71.9	3.18	73.9	3.21
		38.1	52.5	1.90	56.8	2.28	61.9	2.65	67.2	2.99	69.2	3.06	71.9	3.15	73.9	3.16

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	10.2	52.5	2.54	56.8	2.95	61.9	3.43	67.2	3.88	69.2	3.96	71.9	4.06	73.9	4.14
		17.8	52.5	2.41	56.8	2.83	61.9	3.30	67.2	3.72	69.2	3.80	71.9	3.90	73.9	3.97
		25.4	52.5	2.29	56.8	2.71	61.9	3.17	67.2	3.56	69.2	3.65	71.9	3.74	73.9	3.81
		31.8	52.5	2.22	56.8	2.66	61.9	3.09	67.2	3.49	69.2	3.58	71.9	3.67	73.9	3.70
		38.1	52.5	2.19	56.8	2.64	61.9	3.05	67.2	3.45	69.2	3.54	71.9	3.64	73.9	3.65
60	50	10.2	44.9	0.60	48.7	0.61	53.0	0.70	57.6	0.81	59.4	0.83	61.7	0.84	63.4	0.86
		17.8	44.9	0.60	48.7	0.60	53.0	0.68	57.6	0.77	59.4	0.79	61.7	0.81	63.4	0.83
		25.4	44.9	0.60	48.7	0.60	53.0	0.66	57.6	0.74	59.4	0.76	61.7	0.79	63.4	0.80
		31.8	44.9	0.60	48.7	0.60	53.0	0.65	57.6	0.73	59.4	0.74	61.7	0.76	63.4	0.78
		38.1	44.9	0.60	48.7	0.60	53.0	0.64	57.6	0.72	59.4	0.74	61.7	0.75	63.4	0.77
	59	10.2	44.9	0.72	48.7	0.84	53.0	0.97	57.6	1.10	59.4	1.13	61.7	1.15	63.4	1.17
		17.8	44.9	0.68	48.7	0.80	53.0	0.93	57.6	1.05	59.4	1.08	61.7	1.10	63.4	1.12
		25.4	44.9	0.65	48.7	0.77	53.0	0.90	57.6	1.01	59.4	1.03	61.7	1.06	63.4	1.08
		31.8	44.9	0.63	48.7	0.75	53.0	0.88	57.6	0.99	59.4	1.01	61.7	1.04	63.4	1.05
	67	38.1	44.9	0.62	48.7	0.75	53.0	0.87	57.6	0.98	59.4	1.00	61.7	1.03	63.4	1.04
		10.2	44.9	0.89	48.7	1.04	53.0	1.20	57.6	1.35	59.4	1.39	61.7	1.42	63.4	1.44
		17.8	44.9	0.84	48.7	0.99	53.0	1.15	57.6	1.30	59.4	1.33	61.7	1.36	63.4	1.38
		25.4	44.9	0.80	48.7	0.95	53.0	1.11	57.6	1.25	59.4	1.28	61.7	1.30	63.4	1.33
		31.8	44.9	0.78	48.7	0.93	53.0	1.08	57.6	1.22	59.4	1.25	61.7	1.28	63.4	1.30
	75	38.1	44.9	0.77	48.7	0.92	53.0	1.07	57.6	1.21	59.4	1.23	61.7	1.27	63.4	1.28
		10.2	44.9	1.08	48.7	1.26	53.0	1.47	57.6	1.65	59.4	1.69	61.7	1.73	63.4	1.76
		17.8	44.9	1.03	48.7	1.21	53.0	1.41	57.6	1.58	59.4	1.62	61.7	1.66	63.4	1.69
		25.4	44.9	0.98	48.7	1.16	53.0	1.35	57.6	1.52	59.4	1.55	61.7	1.60	63.4	1.62
		31.8	44.9	0.95	48.7	1.13	53.0	1.32	57.6	1.48	59.4	1.53	61.7	1.56	63.4	1.58
	86	38.1	44.9	0.93	48.7	1.12	53.0	1.30	57.6	1.47	59.4	1.51	61.7	1.54	63.4	1.56
		10.2	44.9	1.33	48.7	1.54	53.0	1.80	57.6	2.03	59.4	2.08	61.7	2.12	63.4	2.17
		17.8	44.9	1.26	48.7	1.48	53.0	1.73	57.6	1.95	59.4	1.99	61.7	2.04	63.4	2.08
		25.4	44.9	1.20	48.7	1.42	53.0	1.66	57.6	1.87	59.4	1.91	61.7	1.96	63.4	1.99
		31.8	44.9	1.16	48.7	1.39	53.0	1.62	57.6	1.83	59.4	1.88	61.7	1.92	63.4	1.94
	95	38.1	44.9	1.15	48.7	1.38	53.0	1.61	57.6	1.82	59.4	1.86	61.7	1.91	63.4	1.92
		10.2	44.9	1.48	48.7	1.72	53.0	2.01	57.6	2.25	59.4	2.31	61.7	2.37	63.4	2.41
		17.8	44.9	1.40	48.7	1.65	53.0	1.92	57.6	2.16	59.4	2.22	61.7	2.27	63.4	2.31
		25.4	44.9	1.33	48.7	1.58	53.0	1.84	57.6	2.08	59.4	2.13	61.7	2.17	63.4	2.22
		31.8	44.9	1.30	48.7	1.55	53.0	1.81	57.6	2.04	59.4	2.08	61.7	2.14	63.4	2.16
	104	38.1	44.9	1.28	48.7	1.53	53.0	1.79	57.6	2.01	59.4	2.06	61.7	2.12	63.4	2.13
		10.2	44.9	1.75	48.7	2.03	53.0	2.37	57.6	2.67	59.4	2.73	61.7	2.80	63.4	2.85
		17.8	44.9	1.66	48.7	1.95	53.0	2.27	57.6	2.56	59.4	2.62	61.7	2.69	63.4	2.74
		25.4	44.9	1.58	48.7	1.88	53.0	2.18	57.6	2.45	59.4	2.52	61.7	2.58	63.4	2.63
		31.8	44.9	1.53	48.7	1.83	53.0	2.14	57.6	2.40	59.4	2.47	61.7	2.53	63.4	2.56
	113	38.1	44.9	1.51	48.7	1.81	53.0	2.12	57.6	2.38	59.4	2.44	61.7	2.51	63.4	2.52
		10.2	44.9	2.02	48.7	2.34	53.0	2.74	57.6	3.09	59.4	3.16	61.7	3.23	63.4	3.30
		17.8	44.9	1.92	48.7	2.25	53.0	2.63	57.6	2.96	59.4	3.03	61.7	3.10	63.4	3.17
		25.4	44.9	1.83	48.7	2.17	53.0	2.52	57.6	2.83	59.4	2.91	61.7	2.98	63.4	3.04
		31.8	44.9	1.77	48.7	2.12	53.0	2.47	57.6	2.77	59.4	2.85	61.7	2.92	63.4	2.96
50	50	38.1	44.9	1.74	48.7	2.09	53.0	2.45	57.6	2.75	59.4	2.82	61.7	2.89	63.4	2.91
		10.2	37.4	0.60	40.5	0.60	44.1	0.60	48.1	0.60	49.5	0.61	51.4	0.64	52.8	0.64
		17.8	37.4	0.60	40.5	0.60	44.1	0.60	48.1	0.60	49.5	0.60	51.4	0.62	52.8	0.62
		25.4	37.4	0.60	40.5	0.60	44.1	0.60	48.1	0.60	49.5	0.60	51.4	0.60	52.8	0.60
		31.8	37.4	0.60	40.5	0.60	44.1	0.60	48.1	0.60	49.5	0.60	51.4	0.60	52.8	0.60
	59	38.1	37.4	0.60	40.5	0.60	44.1	0.60	48.1	0.60	49.5	0.60	51.4	0.60	52.8	0.60
		10.2	37.4	0.60	40.5	0.62	44.1	0.73	48.1	0.81	49.5	0.83	51.4	0.86	52.8	0.87
		17.8	37.4	0.60	40.5	0.61	44.1	0.70	48.1	0.78	49.5	0.80	51.4	0.82	52.8	0.83
		25.4	37.4	0.60	40.5	0.60	44.1	0.67	48.1	0.75	49.5	0.77	51.4	0.79	52.8	0.80
		31.8	37.4	0.60	40.5	0.60	44.1	0.66	48.1	0.74	49.5	0.75	51.4	0.77	52.8	0.78
		38.1	37.4	0.60	40.5	0.60	44.1	0.65	48.1	0.73	49.5	0.74	51.4	0.77	52.8	0.77

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM096BAS5

96,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	67	10.2	37.4	0.66	40.5	0.77	44.1	0.89	48.1	1.01	49.5	1.04	51.4	1.05	52.8	1.08
		17.8	37.4	0.63	40.5	0.73	44.1	0.85	48.1	0.97	49.5	0.99	51.4	1.01	52.8	1.03
		25.4	37.4	0.60	40.5	0.70	44.1	0.82	48.1	0.93	49.5	0.95	51.4	0.98	52.8	0.99
		31.8	37.4	0.60	40.5	0.69	44.1	0.81	48.1	0.91	49.5	0.93	51.4	0.95	52.8	0.97
		38.1	37.4	0.60	40.5	0.68	44.1	0.80	48.1	0.91	49.5	0.93	51.4	0.94	52.8	0.96
	75	10.2	37.4	0.80	40.5	0.93	44.1	1.09	48.1	1.23	49.5	1.26	51.4	1.29	52.8	1.31
		17.8	37.4	0.76	40.5	0.89	44.1	1.04	48.1	1.18	49.5	1.21	51.4	1.23	52.8	1.26
		25.4	37.4	0.72	40.5	0.86	44.1	1.00	48.1	1.13	49.5	1.16	51.4	1.18	52.8	1.21
		31.8	37.4	0.70	40.5	0.84	44.1	0.98	48.1	1.11	49.5	1.14	51.4	1.16	52.8	1.18
		38.1	37.4	0.69	40.5	0.83	44.1	0.97	48.1	1.10	49.5	1.13	51.4	1.15	52.8	1.16
	86	10.2	37.4	1.00	40.5	1.16	44.1	1.35	48.1	1.52	49.5	1.55	51.4	1.59	52.8	1.62
		17.8	37.4	0.94	40.5	1.11	44.1	1.29	48.1	1.45	49.5	1.48	51.4	1.52	52.8	1.55
		25.4	37.4	0.89	40.5	1.06	44.1	1.23	48.1	1.39	49.5	1.42	51.4	1.46	52.8	1.48
		31.8	37.4	0.87	40.5	1.04	44.1	1.21	48.1	1.37	49.5	1.40	51.4	1.44	52.8	1.45
		38.1	37.4	0.86	40.5	1.03	44.1	1.20	48.1	1.35	49.5	1.39	51.4	1.42	52.8	1.43
	95	10.2	37.4	1.10	40.5	1.28	44.1	1.50	48.1	1.68	49.5	1.72	51.4	1.76	52.8	1.79
		17.8	37.4	1.05	40.5	1.23	44.1	1.43	48.1	1.61	49.5	1.65	51.4	1.69	52.8	1.72
		25.4	37.4	1.00	40.5	1.18	44.1	1.37	48.1	1.55	49.5	1.58	51.4	1.62	52.8	1.65
		31.8	37.4	0.97	40.5	1.16	44.1	1.35	48.1	1.52	49.5	1.55	51.4	1.60	52.8	1.61
		38.1	37.4	0.95	40.5	1.15	44.1	1.33	48.1	1.51	49.5	1.54	51.4	1.58	52.8	1.59
	104	10.2	37.4	1.31	40.5	1.52	44.1	1.77	48.1	1.99	49.5	2.04	51.4	2.09	52.8	2.12
		17.8	37.4	1.24	40.5	1.45	44.1	1.69	48.1	1.91	49.5	1.96	51.4	2.00	52.8	2.04
		25.4	37.4	1.18	40.5	1.39	44.1	1.62	48.1	1.83	49.5	1.88	51.4	1.92	52.8	1.96
		31.8	37.4	1.14	40.5	1.37	44.1	1.60	48.1	1.80	49.5	1.84	51.4	1.89	52.8	1.90
		38.1	37.4	1.13	40.5	1.35	44.1	1.58	48.1	1.78	49.5	1.82	51.4	1.87	52.8	1.87
	113	10.2	37.4	1.52	40.5	1.75	44.1	2.05	48.1	2.30	49.5	2.36	51.4	2.42	52.8	2.46
		17.8	37.4	1.44	40.5	1.68	44.1	1.96	48.1	2.21	49.5	2.26	51.4	2.32	52.8	2.36
		25.4	37.4	1.36	40.5	1.61	44.1	1.88	48.1	2.12	49.5	2.17	51.4	2.22	52.8	2.27
		31.8	37.4	1.32	40.5	1.58	44.1	1.85	48.1	2.08	49.5	2.13	51.4	2.18	52.8	2.20
		38.1	37.4	1.30	40.5	1.56	44.1	1.83	48.1	2.06	49.5	2.10	51.4	2.16	52.8	2.16

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	50	12.2	111.3	2.09	120.5	2.46	131.2	2.86	142.5	3.21	146.9	3.28	152.7	3.39	156.9	3.43
		17.8	111.3	2.03	120.5	2.39	131.2	2.78	142.5	3.13	146.9	3.21	152.7	3.30	156.9	3.35
		30.4	111.3	1.91	120.5	2.24	131.2	2.61	142.5	2.95	146.9	3.04	152.7	3.10	156.9	3.18
		38.0	111.3	1.85	120.5	2.21	131.2	2.57	142.5	2.88	146.9	2.97	152.7	3.05	156.9	3.09
		45.6	111.3	1.82	120.5	2.19	131.2	2.55	142.5	2.85	146.9	2.94	152.7	3.02	156.9	3.04
	59	12.2	109.5	2.76	118.6	3.22	129.1	3.75	140.3	4.21	144.5	4.31	150.2	4.43	154.4	4.50
		17.8	109.5	2.68	118.6	3.14	129.1	3.65	140.3	4.11	144.5	4.21	150.2	4.32	154.4	4.40
		30.4	109.5	2.49	118.6	2.95	129.1	3.44	140.3	3.88	144.5	3.98	150.2	4.08	154.4	4.17
		38.0	109.5	2.43	118.6	2.90	129.1	3.37	140.3	3.80	144.5	3.90	150.2	4.00	154.4	4.07
		45.6	109.5	2.39	118.6	2.87	129.1	3.34	140.3	3.76	144.5	3.86	150.2	3.96	154.4	4.01
	67	12.2	107.8	3.35	116.8	3.89	127.2	4.54	138.3	5.10	142.4	5.23	147.9	5.35	152.2	5.45
		17.8	107.8	3.25	116.8	3.80	127.2	4.43	138.3	4.98	142.4	5.10	147.9	5.23	152.2	5.33
		30.4	107.8	3.02	116.8	3.59	127.2	4.18	138.3	4.70	142.4	4.81	147.9	4.95	152.2	5.05
		38.0	107.8	2.94	116.8	3.51	127.2	4.09	138.3	4.61	142.4	4.72	147.9	4.84	152.2	4.93
		45.6	107.8	2.90	116.8	3.47	127.2	4.04	138.3	4.57	142.4	4.68	147.9	4.79	152.2	4.88
	75	12.2	107.8	4.14	116.8	4.80	127.2	5.59	138.3	6.31	142.4	6.45	147.9	6.61	152.2	6.72
		17.8	107.8	4.01	116.8	4.68	127.2	5.45	138.3	6.15	142.4	6.29	147.9	6.45	152.2	6.56
		30.4	107.8	3.73	116.8	4.42	127.2	5.15	138.3	5.79	142.4	5.94	147.9	6.10	152.2	6.21
		38.0	107.8	3.62	116.8	4.32	127.2	5.05	138.3	5.68	142.4	5.83	147.9	5.98	152.2	6.08
		45.6	107.8	3.56	116.8	4.27	127.2	4.99	138.3	5.62	142.4	5.77	147.9	5.92	152.2	6.01
	86	12.2	107.8	4.97	116.8	5.76	127.2	6.71	138.3	7.56	142.4	7.74	147.9	7.93	152.2	8.06
		17.8	107.8	4.82	116.8	5.62	127.2	6.55	138.3	7.37	142.4	7.55	147.9	7.74	152.2	7.88
		30.4	107.8	4.47	116.8	5.30	127.2	6.18	138.3	6.95	142.4	7.13	147.9	7.32	152.2	7.46
		38.0	107.8	4.34	116.8	5.19	127.2	6.05	138.3	6.82	142.4	6.99	147.9	7.17	152.2	7.30
		45.6	107.8	4.28	116.8	5.13	127.2	5.98	138.3	6.75	142.4	6.93	147.9	7.10	152.2	7.21
	95	12.2	97.1	5.01	105.1	5.83	114.5	6.79	124.4	7.64	128.2	7.83	133.2	8.02	136.9	8.15
		17.8	97.1	4.86	105.1	5.69	114.5	6.62	124.4	7.46	128.2	7.64	133.2	7.83	136.9	7.97
		30.4	97.1	4.52	105.1	5.36	114.5	6.25	124.4	7.04	128.2	7.21	133.2	7.40	136.9	7.55
		38.0	97.1	4.40	105.1	5.25	114.5	6.11	124.4	6.89	128.2	7.07	133.2	7.25	136.9	7.37
		45.6	97.1	4.34	105.1	5.19	114.5	6.05	124.4	6.82	128.2	7.01	133.2	7.18	136.9	7.28
	104	12.2	86.2	5.30	93.5	6.15	101.7	7.17	110.6	8.06	114.0	8.25	118.3	8.45	121.7	8.61
		17.8	86.2	5.14	93.5	6.00	101.7	6.99	110.6	7.86	114.0	8.05	118.3	8.25	121.7	8.41
		30.4	86.2	4.77	93.5	5.66	101.7	6.59	110.6	7.42	114.0	7.61	118.3	7.81	121.7	7.96
		38.0	86.2	4.63	93.5	5.54	101.7	6.45	110.6	7.27	114.0	7.46	118.3	7.65	121.7	7.79
		45.6	86.2	4.57	93.5	5.47	101.7	6.38	110.6	7.20	114.0	7.39	118.3	7.57	121.7	7.70
	113	12.2	75.4	5.58	81.9	6.46	89.0	7.54	96.7	8.48	99.7	8.66	103.5	8.88	106.5	9.06
		17.8	75.4	5.40	81.9	6.31	89.0	7.36	96.7	8.27	99.7	8.46	103.5	8.68	106.5	8.85
		30.4	75.4	5.01	81.9	5.96	89.0	6.94	96.7	7.80	99.7	8.01	103.5	8.22	106.5	8.38
		38.0	75.4	4.87	81.9	5.83	89.0	6.78	96.7	7.65	99.7	7.85	103.5	8.05	106.5	8.20
		45.6	75.4	4.79	81.9	5.76	89.0	6.70	96.7	7.58	99.7	7.77	103.5	7.97	106.5	8.11
120	50	12.2	105.4	2.00	114.0	2.33	124.2	2.70	135.0	3.04	139.0	3.13	144.5	3.21	148.5	3.24
		17.8	105.4	1.94	114.0	2.27	124.2	2.64	135.0	2.96	139.0	3.05	144.5	3.12	148.5	3.17
		30.4	105.4	1.79	114.0	2.14	124.2	2.49	135.0	2.79	139.0	2.86	144.5	2.93	148.5	3.00
		38.0	105.4	1.74	114.0	2.07	124.2	2.44	135.0	2.73	139.0	2.82	144.5	2.88	148.5	2.93
		45.6	105.4	1.71	114.0	2.04	124.2	2.41	135.0	2.70	139.0	2.80	144.5	2.85	148.5	2.90
	59	12.2	104.1	2.65	112.7	3.08	122.8	3.58	133.4	4.03	137.4	4.13	142.8	4.23	146.8	4.30
		17.8	104.1	2.57	112.7	3.00	122.8	3.49	133.4	3.93	137.4	4.03	142.8	4.13	146.8	4.20
		30.4	104.1	2.38	112.7	2.83	122.8	3.30	133.4	3.71	137.4	3.80	142.8	3.90	146.8	3.98
		38.0	104.1	2.32	112.7	2.76	122.8	3.23	133.4	3.63	137.4	3.73	142.8	3.82	146.8	3.89
		45.6	104.1	2.28	112.7	2.73	122.8	3.20	133.4	3.59	137.4	3.70	142.8	3.78	146.8	3.84
	67	12.2	103.0	3.23	111.6	3.75	121.6	4.36	132.1	4.91	136.1	5.02	141.3	5.15	145.3	5.24
		17.8	103.0	3.13	111.6	3.65	121.6	4.25	132.1	4.79	136.1	4.90	141.3	5.03	145.3	5.12
		30.4	103.0	2.91	111.6	3.44	121.6	4.01	132.1	4.52	136.1	4.63	141.3	4.76	145.3	4.84
		38.0	103.0	2.83	111.6	3.37	121.6	3.93	132.1	4.43	136.1	4.54	141.3	4.66	145.3	4.73
		45.6	103.0	2.79	111.6	3.34	121.6	3.89	132.1	4.39	136.1	4.50	141.3	4.61	145.3	4.68

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM121BAS5

121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	12.2	103.0	3.97	111.6	4.61	121.6	5.37	132.1	6.03	136.1	6.18	141.3	6.34	145.3	6.45
		17.8	103.0	3.85	111.6	4.49	121.6	5.23	132.1	5.89	136.1	6.03	141.3	6.19	145.3	6.30
		30.4	103.0	3.58	111.6	4.23	121.6	4.93	132.1	5.56	136.1	5.69	141.3	5.84	145.3	5.96
		38.0	103.0	3.48	111.6	4.14	121.6	4.83	132.1	5.45	136.1	5.58	141.3	5.72	145.3	5.81
		45.6	103.0	3.42	111.6	4.10	121.6	4.78	132.1	5.39	136.1	5.52	141.3	5.67	145.3	5.74
	86	12.2	103.0	4.78	111.6	5.57	121.6	6.49	132.1	7.30	136.1	7.47	141.3	7.66	145.3	7.79
		17.8	103.0	4.64	111.6	5.43	121.6	6.33	132.1	7.12	136.1	7.29	141.3	7.48	145.3	7.61
		30.4	103.0	4.32	111.6	5.12	121.6	5.96	132.1	6.72	136.1	6.88	141.3	7.06	145.3	7.20
		38.0	103.0	4.20	111.6	5.01	121.6	5.84	132.1	6.58	136.1	6.75	141.3	6.93	145.3	7.03
		45.6	103.0	4.14	111.6	4.96	121.6	5.77	132.1	6.52	136.1	6.68	141.3	6.86	145.3	6.94
	95	12.2	94.2	4.91	102.1	5.71	111.2	6.64	120.8	7.48	124.4	7.66	129.3	7.84	132.9	7.99
		17.8	94.2	4.76	102.1	5.57	111.2	6.48	120.8	7.30	124.4	7.47	129.3	7.66	132.9	7.80
		30.4	94.2	4.42	102.1	5.25	111.2	6.11	120.8	6.88	124.4	7.05	129.3	7.24	132.9	7.37
		38.0	94.2	4.30	102.1	5.13	111.2	5.99	120.8	6.75	124.4	6.92	129.3	7.09	132.9	7.21
		45.6	94.2	4.24	102.1	5.08	111.2	5.93	120.8	6.68	124.4	6.85	129.3	7.02	132.9	7.12
	104	12.2	85.5	5.28	92.6	6.14	100.9	7.15	109.7	8.05	113.0	8.24	117.3	8.44	120.6	8.60
		17.8	85.5	5.12	92.6	5.99	100.9	6.97	109.7	7.85	113.0	8.04	117.3	8.24	120.6	8.40
		30.4	85.5	4.77	92.6	5.65	100.9	6.58	109.7	7.41	113.0	7.58	117.3	7.79	120.6	7.94
		38.0	85.5	4.63	92.6	5.52	100.9	6.45	109.7	7.26	113.0	7.45	117.3	7.64	120.6	7.75
		45.6	85.5	4.57	92.6	5.46	100.9	6.38	109.7	7.19	113.0	7.38	117.3	7.57	120.6	7.66
	113	12.2	76.8	5.66	83.1	6.56	90.5	7.66	98.6	8.61	101.5	8.82	105.3	9.04	108.2	9.21
		17.8	76.8	5.49	83.1	6.40	90.5	7.47	98.6	8.40	101.5	8.60	105.3	8.82	108.2	8.99
		30.4	76.8	5.11	83.1	6.05	90.5	7.05	98.6	7.93	101.5	8.12	105.3	8.33	108.2	8.51
		38.0	76.8	4.97	83.1	5.91	90.5	6.91	98.6	7.77	101.5	7.99	105.3	8.19	108.2	8.30
		45.6	76.8	4.89	83.1	5.85	90.5	6.83	98.6	7.70	101.5	7.92	105.3	8.11	108.2	8.19
110	50	12.2	99.3	1.88	107.7	2.18	117.2	2.56	127.3	2.87	131.0	2.93	136.3	3.02	139.9	3.06
		17.8	99.3	1.82	107.7	2.13	117.2	2.49	127.3	2.80	131.0	2.87	136.3	2.95	139.9	2.99
		30.4	99.3	1.70	107.7	2.01	117.2	2.34	127.3	2.64	131.0	2.72	136.3	2.78	139.9	2.82
		38.0	99.3	1.65	107.7	1.96	117.2	2.28	127.3	2.60	131.0	2.64	136.3	2.73	139.9	2.76
		45.6	99.3	1.63	107.7	1.94	117.2	2.26	127.3	2.58	131.0	2.60	136.3	2.70	139.9	2.73
	59	12.2	98.7	2.52	107.0	2.93	116.5	3.42	126.6	3.85	130.3	3.94	135.4	4.04	139.2	4.11
		17.8	98.7	2.44	107.0	2.86	116.5	3.33	126.6	3.75	130.3	3.84	135.4	3.94	139.2	4.01
		30.4	98.7	2.27	107.0	2.70	116.5	3.14	126.6	3.54	130.3	3.63	135.4	3.72	139.2	3.79
		38.0	98.7	2.22	107.0	2.64	116.5	3.07	126.6	3.48	130.3	3.55	135.4	3.65	139.2	3.70
		45.6	98.7	2.19	107.0	2.61	116.5	3.04	126.6	3.44	130.3	3.51	135.4	3.62	139.2	3.65
	67	12.2	98.2	3.09	106.3	3.60	115.8	4.19	125.9	4.72	129.7	4.83	134.7	4.95	138.5	5.04
		17.8	98.2	2.99	106.3	3.51	115.8	4.09	125.9	4.60	129.7	4.71	134.7	4.83	138.5	4.92
		30.4	98.2	2.78	106.3	3.31	115.8	3.85	125.9	4.34	129.7	4.44	134.7	4.56	138.5	4.64
		38.0	98.2	2.72	106.3	3.24	115.8	3.78	125.9	4.25	129.7	4.37	134.7	4.48	138.5	4.53
		45.6	98.2	2.68	106.3	3.21	115.8	3.74	125.9	4.21	129.7	4.33	134.7	4.44	138.5	4.48
	75	12.2	98.2	3.78	106.3	4.40	115.8	5.13	125.9	5.77	129.7	5.91	134.7	6.05	138.5	6.17
		17.8	98.2	3.67	106.3	4.29	115.8	5.00	125.9	5.63	129.7	5.77	134.7	5.91	138.5	6.02
		30.4	98.2	3.42	106.3	4.05	115.8	4.72	125.9	5.31	129.7	5.45	134.7	5.58	138.5	5.69
		38.0	98.2	3.32	106.3	3.97	115.8	4.62	125.9	5.21	129.7	5.34	134.7	5.48	138.5	5.55
		45.6	98.2	3.27	106.3	3.92	115.8	4.57	125.9	5.16	129.7	5.28	134.7	5.43	138.5	5.47
	86	12.2	98.2	4.61	106.3	5.37	115.8	6.25	125.9	7.04	129.7	7.21	134.7	7.38	138.5	7.51
		17.8	98.2	4.47	106.3	5.23	115.8	6.10	125.9	6.86	129.7	7.03	134.7	7.20	138.5	7.33
		30.4	98.2	4.17	106.3	4.93	115.8	5.75	125.9	6.47	129.7	6.64	134.7	6.81	138.5	6.93
		38.0	98.2	4.05	106.3	4.83	115.8	5.64	125.9	6.35	129.7	6.50	134.7	6.67	138.5	6.76
		45.6	98.2	4.00	106.3	4.78	115.8	5.58	125.9	6.29	129.7	6.44	134.7	6.60	138.5	6.68
	95	12.2	91.5	4.81	99.1	5.58	108.0	6.50	117.3	7.32	120.8	7.49	125.6	7.67	129.1	7.82
		17.8	91.5	4.66	99.1	5.44	108.0	6.34	117.3	7.14	120.8	7.31	125.6	7.49	129.1	7.63
		30.4	91.5	4.33	99.1	5.13	108.0	5.98	117.3	6.74	120.8	6.89	125.6	7.07	129.1	7.21
		38.0	91.5	4.21	99.1	5.02	108.0	5.86	117.3	6.60	120.8	6.77	125.6	6.94	129.1	7.03
		45.6	91.5	4.15	99.1	4.97	108.0	5.80	117.3	6.54	120.8	6.71	125.6	6.87	129.1	6.94

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	12.2	84.8	5.27	91.9	6.14	100.0	7.14	108.7	8.04	112.0	8.23	116.3	8.43	119.6	8.59
		17.8	84.8	5.11	91.9	5.99	100.0	6.96	108.7	7.84	112.0	8.03	116.3	8.23	119.6	8.38
		30.4	84.8	4.76	91.9	5.64	100.0	6.57	108.7	7.40	112.0	7.57	116.3	7.77	119.6	7.92
		38.0	84.8	4.62	91.9	5.51	100.0	6.44	108.7	7.25	112.0	7.44	116.3	7.63	119.6	7.72
		45.6	84.8	4.55	91.9	5.45	100.0	6.37	108.7	7.18	112.0	7.37	116.3	7.56	119.6	7.62
	113	12.2	78.0	5.74	84.6	6.70	92.0	7.79	100.1	8.75	103.1	8.96	107.1	9.19	110.1	9.36
		17.8	78.0	5.57	84.6	6.53	92.0	7.60	100.1	8.53	103.1	8.74	107.1	8.97	110.1	9.14
		30.4	78.0	5.18	84.6	6.14	92.0	7.16	100.1	8.05	103.1	8.25	107.1	8.48	110.1	8.63
		38.0	78.0	5.03	84.6	6.00	92.0	7.02	100.1	7.90	103.1	8.11	107.1	8.32	110.1	8.41
		45.6	78.0	4.96	84.6	5.94	92.0	6.94	100.1	7.82	103.1	8.04	107.1	8.24	110.1	8.30
100	50	12.2	93.4	1.78	101.1	2.07	110.1	2.38	119.7	2.71	123.3	2.75	128.1	2.84	131.7	2.90
		17.8	93.4	1.73	101.1	2.02	110.1	2.33	119.7	2.65	123.3	2.69	128.1	2.77	131.7	2.83
		30.4	93.4	1.61	101.1	1.90	110.1	2.21	119.7	2.50	123.3	2.55	128.1	2.61	131.7	2.67
		38.0	93.4	1.55	101.1	1.85	110.1	2.15	119.7	2.44	123.3	2.50	128.1	2.56	131.7	2.58
		45.6	93.4	1.53	101.1	1.83	110.1	2.13	119.7	2.42	123.3	2.47	128.1	2.53	131.7	2.54
	59	12.2	93.4	2.41	101.1	2.80	110.1	3.25	119.7	3.67	123.3	3.75	128.1	3.85	131.7	3.92
		17.8	93.4	2.34	101.1	2.73	110.1	3.17	119.7	3.58	123.3	3.66	128.1	3.75	131.7	3.82
		30.4	93.4	2.17	101.1	2.57	110.1	3.00	119.7	3.37	123.3	3.45	128.1	3.54	131.7	3.61
		38.0	93.4	2.11	101.1	2.52	110.1	2.93	119.7	3.31	123.3	3.39	128.1	3.48	131.7	3.51
		45.6	93.4	2.07	101.1	2.49	110.1	2.90	119.7	3.27	123.3	3.35	128.1	3.44	131.7	3.46
	67	12.2	93.4	2.97	101.1	3.44	110.1	4.02	119.7	4.52	123.3	4.63	128.1	4.74	131.7	4.82
		17.8	93.4	2.88	101.1	3.36	110.1	3.92	119.7	4.41	123.3	4.51	128.1	4.63	131.7	4.70
		30.4	93.4	2.67	101.1	3.17	110.1	3.70	119.7	4.15	123.3	4.25	128.1	4.37	131.7	4.44
		38.0	93.4	2.60	101.1	3.11	110.1	3.62	119.7	4.08	123.3	4.18	128.1	4.29	131.7	4.33
		45.6	93.4	2.56	101.1	3.07	110.1	3.58	119.7	4.04	123.3	4.14	128.1	4.25	131.7	4.28
	75	12.2	93.4	3.61	101.1	4.20	110.1	4.89	119.7	5.51	123.3	5.65	128.1	5.78	131.7	5.88
		17.8	93.4	3.50	101.1	4.10	110.1	4.77	119.7	5.37	123.3	5.51	128.1	5.64	131.7	5.74
		30.4	93.4	3.26	101.1	3.86	110.1	4.50	119.7	5.07	123.3	5.19	128.1	5.32	131.7	5.42
		38.0	93.4	3.17	101.1	3.79	110.1	4.41	119.7	4.97	123.3	5.09	128.1	5.22	131.7	5.28
		45.6	93.4	3.13	101.1	3.75	110.1	4.37	119.7	4.92	123.3	5.04	128.1	5.17	131.7	5.21
	86	12.2	93.4	4.44	101.1	5.17	110.1	6.02	119.7	6.78	123.3	6.94	128.1	7.11	131.7	7.24
		17.8	93.4	4.31	101.1	5.04	110.1	5.87	119.7	6.61	123.3	6.77	128.1	6.94	131.7	7.06
		30.4	93.4	4.01	101.1	4.76	110.1	5.54	119.7	6.24	123.3	6.38	128.1	6.55	131.7	6.67
		38.0	93.4	3.90	101.1	4.66	110.1	5.42	119.7	6.11	123.3	6.27	128.1	6.43	131.7	6.49
		45.6	93.4	3.84	101.1	4.61	110.1	5.37	119.7	6.05	123.3	6.21	128.1	6.36	131.7	6.40
	95	12.2	88.7	4.69	96.1	5.46	104.6	6.35	113.7	7.15	117.1	7.32	121.7	7.50	125.1	7.64
		17.8	88.7	4.55	96.1	5.32	104.6	6.20	113.7	6.97	117.1	7.14	121.7	7.32	125.1	7.46
		30.4	88.7	4.23	96.1	5.02	104.6	5.85	113.7	6.58	117.1	6.74	121.7	6.92	125.1	7.04
		38.0	88.7	4.12	96.1	4.91	104.6	5.72	113.7	6.46	117.1	6.62	121.7	6.78	125.1	6.85
		45.6	88.7	4.06	96.1	4.86	104.6	5.66	113.7	6.40	117.1	6.55	121.7	6.72	125.1	6.75
	104	12.2	84.0	5.27	91.0	6.12	99.1	7.13	107.7	8.03	111.0	8.22	115.3	8.42	118.5	8.57
		17.8	84.0	5.11	91.0	5.97	99.1	6.95	107.7	7.83	111.0	8.02	115.3	8.21	118.5	8.36
		30.4	84.0	4.74	91.0	5.64	99.1	6.56	107.7	7.38	111.0	7.56	115.3	7.75	118.5	7.90
		38.0	84.0	4.62	91.0	5.51	99.1	6.43	107.7	7.24	111.0	7.42	115.3	7.61	118.5	7.69
		45.6	84.0	4.56	91.0	5.45	99.1	6.36	107.7	7.17	111.0	7.34	115.3	7.53	118.5	7.58
	113	12.2	79.3	5.86	85.9	6.79	93.6	7.91	101.7	8.90	104.8	9.11	109.0	9.34	111.8	9.49
		17.8	79.3	5.68	85.9	6.62	93.6	7.71	101.7	8.68	104.8	8.89	109.0	9.11	111.8	9.26
		30.4	79.3	5.26	85.9	6.25	93.6	7.27	101.7	8.19	104.8	8.39	109.0	8.59	111.8	8.75
		38.0	79.3	5.12	85.9	6.11	93.6	7.13	101.7	8.02	104.8	8.22	109.0	8.43	111.8	8.52
		45.6	79.3	5.06	85.9	6.05	93.6	7.06	101.7	7.94	104.8	8.14	109.0	8.35	111.8	8.40
90	50	12.2	84.0	1.52	91.0	1.76	99.1	2.06	107.7	2.33	111.0	2.37	115.3	2.42	118.5	2.50
		17.8	84.0	1.48	91.0	1.72	99.1	2.01	107.7	2.28	111.0	2.32	115.3	2.37	118.5	2.44
		30.4	84.0	1.38	91.0	1.64	99.1	1.90	107.7	2.16	111.0	2.20	115.3	2.26	118.5	2.29
		38.0	84.0	1.34	91.0	1.58	99.1	1.86	107.7	2.09	111.0	2.15	115.3	2.22	118.5	2.22
		45.6	84.0	1.32	91.0	1.56	99.1	1.85	107.7	2.05	111.0	2.13	115.3	2.20	118.5	2.18

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA



ARWM121BAS5

121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	12.2	84.0	2.07	91.0	2.40	99.1	2.80	107.7	3.16	111.0	3.22	115.3	3.30	118.5	3.37
		17.8	84.0	2.01	91.0	2.34	99.1	2.73	107.7	3.08	111.0	3.14	115.3	3.22	118.5	3.29
		30.4	84.0	1.87	91.0	2.22	99.1	2.57	107.7	2.91	111.0	2.97	115.3	3.05	118.5	3.11
		38.0	84.0	1.82	91.0	2.16	99.1	2.53	107.7	2.84	111.0	2.92	115.3	3.00	118.5	3.02
		45.6	84.0	1.79	91.0	2.13	99.1	2.51	107.7	2.81	111.0	2.89	115.3	2.97	118.5	2.97
	67	12.2	84.0	2.56	91.0	2.97	99.1	3.45	107.7	3.90	111.0	3.99	115.3	4.09	118.5	4.15
		17.8	84.0	2.48	91.0	2.90	99.1	3.36	107.7	3.80	111.0	3.89	115.3	3.99	118.5	4.05
		30.4	84.0	2.31	91.0	2.73	99.1	3.17	107.7	3.58	111.0	3.66	115.3	3.75	118.5	3.83
		38.0	84.0	2.24	91.0	2.67	99.1	3.12	107.7	3.51	111.0	3.60	115.3	3.69	118.5	3.73
		45.6	84.0	2.21	91.0	2.65	99.1	3.09	107.7	3.47	111.0	3.56	115.3	3.65	118.5	3.68
	75	12.2	84.0	3.11	91.0	3.62	99.1	4.21	107.7	4.74	111.0	4.86	115.3	4.98	118.5	5.07
		17.8	84.0	3.02	91.0	3.53	99.1	4.11	107.7	4.63	111.0	4.74	115.3	4.86	118.5	4.95
		30.4	84.0	2.81	91.0	3.33	99.1	3.88	107.7	4.37	111.0	4.47	115.3	4.59	118.5	4.67
		38.0	84.0	2.73	91.0	3.25	99.1	3.80	107.7	4.28	111.0	4.39	115.3	4.50	118.5	4.54
		45.6	84.0	2.69	91.0	3.21	99.1	3.76	107.7	4.23	111.0	4.35	115.3	4.45	118.5	4.48
	86	12.2	84.0	3.83	91.0	4.45	99.1	5.19	107.7	5.84	111.0	5.98	115.3	6.12	118.5	6.24
		17.8	84.0	3.71	91.0	4.34	99.1	5.06	107.7	5.70	111.0	5.83	115.3	5.97	118.5	6.09
		30.4	84.0	3.45	91.0	4.09	99.1	4.77	107.7	5.37	111.0	5.50	115.3	5.64	118.5	5.74
		38.0	84.0	3.35	91.0	4.01	99.1	4.67	107.7	5.27	111.0	5.39	115.3	5.54	118.5	5.59
		45.6	84.0	3.30	91.0	3.97	99.1	4.62	107.7	5.22	111.0	5.33	115.3	5.48	118.5	5.52
	95	12.2	81.8	4.14	88.5	4.80	96.4	5.59	104.7	6.29	107.8	6.44	112.1	6.60	115.2	6.72
		17.8	81.8	4.01	88.5	4.68	96.4	5.45	104.7	6.14	107.8	6.28	112.1	6.44	115.2	6.56
		30.4	81.8	3.72	88.5	4.41	96.4	5.15	104.7	5.79	107.8	5.93	112.1	6.08	115.2	6.19
		38.0	81.8	3.62	88.5	4.32	96.4	5.03	104.7	5.68	107.8	5.83	112.1	5.97	115.2	6.03
		45.6	81.8	3.57	88.5	4.28	96.4	4.98	104.7	5.62	107.8	5.77	112.1	5.91	115.2	5.94
	104	12.2	79.4	4.75	86.0	5.51	93.6	6.42	101.7	7.24	104.8	7.40	108.8	7.58	112.0	7.72
		17.8	79.4	4.61	86.0	5.37	93.6	6.26	101.7	7.06	104.8	7.22	108.8	7.40	112.0	7.54
		30.4	79.4	4.28	86.0	5.07	93.6	5.91	101.7	6.65	104.8	6.82	108.8	6.98	112.0	7.12
		38.0	79.4	4.15	86.0	4.97	93.6	5.79	101.7	6.53	104.8	6.68	108.8	6.86	112.0	6.93
		45.6	79.4	4.09	86.0	4.92	93.6	5.73	101.7	6.47	104.8	6.62	108.8	6.80	112.0	6.83
	113	12.2	77.0	5.36	83.5	6.23	90.9	7.24	98.7	8.18	101.9	8.36	105.6	8.57	108.7	8.71
		17.8	77.0	5.20	83.5	6.07	90.9	7.07	98.7	7.97	101.9	8.16	105.6	8.36	108.7	8.50
		30.4	77.0	4.83	83.5	5.72	90.9	6.68	98.7	7.51	101.9	7.71	105.6	7.89	108.7	8.04
		38.0	77.0	4.69	83.5	5.61	90.9	6.55	98.7	7.37	101.9	7.54	105.6	7.75	108.7	7.83
		45.6	77.0	4.62	83.5	5.56	90.9	6.48	98.7	7.31	101.9	7.46	105.6	7.68	108.7	7.72
80	50	12.2	74.6	1.30	80.9	1.47	88.1	1.72	95.7	1.97	98.6	1.99	102.5	2.05	105.3	2.07
		17.8	74.6	1.25	80.9	1.44	88.1	1.68	95.7	1.91	98.6	1.94	102.5	1.99	105.3	2.02
		30.4	74.6	1.15	80.9	1.38	88.1	1.60	95.7	1.79	98.6	1.84	102.5	1.87	105.3	1.91
		38.0	74.6	1.14	80.9	1.34	88.1	1.56	95.7	1.76	98.6	1.79	102.5	1.84	105.3	1.86
		45.6	74.6	1.13	80.9	1.32	88.1	1.55	95.7	1.74	98.6	1.76	102.5	1.83	105.3	1.84
	59	12.2	74.6	1.74	80.9	2.01	88.1	2.34	95.7	2.65	98.6	2.70	102.5	2.77	105.3	2.82
		17.8	74.6	1.68	80.9	1.96	88.1	2.28	95.7	2.58	98.6	2.64	102.5	2.70	105.3	2.75
		30.4	74.6	1.56	80.9	1.86	88.1	2.16	95.7	2.43	98.6	2.49	102.5	2.55	105.3	2.60
		38.0	74.6	1.53	80.9	1.82	88.1	2.12	95.7	2.38	98.6	2.44	102.5	2.51	105.3	2.53
		45.6	74.6	1.51	80.9	1.79	88.1	2.09	95.7	2.36	98.6	2.41	102.5	2.48	105.3	2.49
	67	12.2	74.6	2.14	80.9	2.49	88.1	2.90	95.7	3.26	98.6	3.34	102.5	3.42	105.3	3.49
		17.8	74.6	2.08	80.9	2.43	88.1	2.83	95.7	3.18	98.6	3.26	102.5	3.34	105.3	3.40
		30.4	74.6	1.93	80.9	2.28	88.1	2.66	95.7	3.00	98.6	3.07	102.5	3.15	105.3	3.21
		38.0	74.6	1.87	80.9	2.24	88.1	2.61	95.7	2.94	98.6	3.02	102.5	3.10	105.3	3.12
		45.6	74.6	1.84	80.9	2.22	88.1	2.58	95.7	2.91	98.6	2.99	102.5	3.07	105.3	3.07
	75	12.2	74.6	2.62	80.9	3.04	88.1	3.53	95.7	3.97	98.6	4.08	102.5	4.18	105.3	4.24
		17.8	74.6	2.54	80.9	2.96	88.1	3.44	95.7	3.87	98.6	3.98	102.5	4.08	105.3	4.14
		30.4	74.6	2.35	80.9	2.78	88.1	3.25	95.7	3.66	98.6	3.74	102.5	3.84	105.3	3.91
		38.0	74.6	2.28	80.9	2.73	88.1	3.19	95.7	3.59	98.6	3.68	102.5	3.78	105.3	3.81
		45.6	74.6	2.25	80.9	2.70	88.1	3.15	95.7	3.55	98.6	3.64	102.5	3.74	105.3	3.76

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM121BAS5

121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	12.2	74.6	3.20	80.9	3.72	88.1	4.35	95.7	4.89	98.6	5.00	102.5	5.13	105.3	5.23
		17.8	74.6	3.11	80.9	3.63	88.1	4.24	95.7	4.77	98.6	4.88	102.5	5.00	105.3	5.10
		30.4	74.6	2.90	80.9	3.43	88.1	4.00	95.7	4.50	98.6	4.61	102.5	4.72	105.3	4.81
		38.0	74.6	2.82	80.9	3.35	88.1	3.91	95.7	4.41	98.6	4.52	102.5	4.63	105.3	4.69
		45.6	74.6	2.78	80.9	3.31	88.1	3.86	95.7	4.37	98.6	4.48	102.5	4.59	105.3	4.63
	95	12.2	74.6	3.57	80.9	4.14	88.1	4.82	95.7	5.43	98.6	5.57	102.5	5.71	105.3	5.81
		17.8	74.6	3.46	80.9	4.04	88.1	4.70	95.7	5.30	98.6	5.43	102.5	5.57	105.3	5.67
		30.4	74.6	3.22	80.9	3.81	88.1	4.44	95.7	5.00	98.6	5.12	102.5	5.25	105.3	5.35
		38.0	74.6	3.13	80.9	3.73	88.1	4.35	95.7	4.90	98.6	5.02	102.5	5.16	105.3	5.20
		45.6	74.6	3.08	80.9	3.69	88.1	4.31	95.7	4.85	98.6	4.97	102.5	5.11	105.3	5.13
	104	12.2	74.6	4.23	80.9	4.92	88.1	5.72	95.7	6.44	98.6	6.59	102.5	6.76	105.3	6.87
		17.8	74.6	4.10	80.9	4.79	88.1	5.58	95.7	6.28	98.6	6.43	102.5	6.59	105.3	6.70
		30.4	74.6	3.81	80.9	4.51	88.1	5.26	95.7	5.93	98.6	6.06	102.5	6.21	105.3	6.33
		38.0	74.6	3.70	80.9	4.42	88.1	5.15	95.7	5.80	98.6	5.95	102.5	6.10	105.3	6.16
		45.6	74.6	3.64	80.9	4.38	88.1	5.09	95.7	5.74	98.6	5.89	102.5	6.05	105.3	6.08
	113	12.2	74.6	4.89	80.9	5.69	88.1	6.61	95.7	7.45	98.6	7.61	102.5	7.81	105.3	7.93
		17.8	74.6	4.74	80.9	5.54	88.1	6.44	95.7	7.27	98.6	7.42	102.5	7.62	105.3	7.74
		30.4	74.6	4.40	80.9	5.21	88.1	6.07	95.7	6.85	98.6	6.99	102.5	7.18	105.3	7.31
		38.0	74.6	4.27	80.9	5.11	88.1	5.94	95.7	6.70	98.6	6.87	102.5	7.05	105.3	7.12
		45.6	74.6	4.20	80.9	5.06	88.1	5.87	95.7	6.63	98.6	6.81	102.5	6.98	105.3	7.02
70	50	12.2	65.4	1.06	70.8	1.23	77.1	1.42	83.8	1.61	86.2	1.67	89.6	1.71	92.1	1.72
		17.8	65.4	1.03	70.8	1.20	77.1	1.39	83.8	1.58	86.2	1.63	89.6	1.67	92.1	1.68
		30.4	65.4	0.96	70.8	1.12	77.1	1.32	83.8	1.50	86.2	1.53	89.6	1.58	92.1	1.60
		38.0	65.4	0.94	70.8	1.10	77.1	1.30	83.8	1.46	86.2	1.49	89.6	1.53	92.1	1.55
		45.6	65.4	0.93	70.8	1.09	77.1	1.29	83.8	1.43	86.2	1.47	89.6	1.51	92.1	1.53
	59	12.2	65.4	1.44	70.8	1.68	77.1	1.95	83.8	2.19	86.2	2.25	89.6	2.31	92.1	2.34
		17.8	65.4	1.40	70.8	1.64	77.1	1.90	83.8	2.14	86.2	2.19	89.6	2.25	92.1	2.28
		30.4	65.4	1.30	70.8	1.54	77.1	1.79	83.8	2.03	86.2	2.07	89.6	2.13	92.1	2.16
		38.0	65.4	1.27	70.8	1.50	77.1	1.76	83.8	1.98	86.2	2.03	89.6	2.08	92.1	2.11
		45.6	65.4	1.25	70.8	1.49	77.1	1.74	83.8	1.96	86.2	2.00	89.6	2.06	92.1	2.08
	67	12.2	65.4	1.79	70.8	2.07	77.1	2.41	83.8	2.72	86.2	2.77	89.6	2.84	92.1	2.90
		17.8	65.4	1.73	70.8	2.02	77.1	2.35	83.8	2.65	86.2	2.70	89.6	2.77	92.1	2.83
		30.4	65.4	1.60	70.8	1.90	77.1	2.22	83.8	2.49	86.2	2.55	89.6	2.62	92.1	2.66
		38.0	65.4	1.56	70.8	1.86	77.1	2.17	83.8	2.45	86.2	2.51	89.6	2.57	92.1	2.60
		45.6	65.4	1.54	70.8	1.84	77.1	2.15	83.8	2.43	86.2	2.48	89.6	2.55	92.1	2.56
	75	12.2	65.4	2.17	70.8	2.53	77.1	2.93	83.8	3.31	86.2	3.38	89.6	3.46	92.1	3.53
		17.8	65.4	2.11	70.8	2.47	77.1	2.86	83.8	3.23	86.2	3.30	89.6	3.38	92.1	3.44
		30.4	65.4	1.96	70.8	2.32	77.1	2.71	83.8	3.04	86.2	3.12	89.6	3.20	92.1	3.25
		38.0	65.4	1.90	70.8	2.27	77.1	2.65	83.8	2.98	86.2	3.05	89.6	3.13	92.1	3.16
		45.6	65.4	1.88	70.8	2.25	77.1	2.62	83.8	2.96	86.2	3.02	89.6	3.10	92.1	3.12
	86	12.2	65.4	2.67	70.8	3.10	77.1	3.61	83.8	4.06	86.2	4.17	89.6	4.27	92.1	4.35
		17.8	65.4	2.59	70.8	3.02	77.1	3.52	83.8	3.96	86.2	4.07	89.6	4.17	92.1	4.24
		30.4	65.4	2.41	70.8	2.85	77.1	3.32	83.8	3.74	86.2	3.83	89.6	3.93	92.1	4.00
		38.0	65.4	2.34	70.8	2.80	77.1	3.25	83.8	3.66	86.2	3.76	89.6	3.85	92.1	3.90
		45.6	65.4	2.31	70.8	2.77	77.1	3.22	83.8	3.63	86.2	3.73	89.6	3.81	92.1	3.85
	95	12.2	65.4	2.97	70.8	3.44	77.1	4.02	83.8	4.52	86.2	4.63	89.6	4.74	92.1	4.82
		17.8	65.4	2.88	70.8	3.36	77.1	3.92	83.8	4.41	86.2	4.51	89.6	4.63	92.1	4.70
		30.4	65.4	2.67	70.8	3.17	77.1	3.69	83.8	4.15	86.2	4.25	89.6	4.37	92.1	4.44
		38.0	65.4	2.60	70.8	3.10	77.1	3.62	83.8	4.08	86.2	4.18	89.6	4.29	92.1	4.33
		45.6	65.4	2.56	70.8	3.06	77.1	3.59	83.8	4.04	86.2	4.14	89.6	4.25	92.1	4.28
	104	12.2	65.4	3.51	70.8	4.07	77.1	4.75	83.8	5.36	86.2	5.48	89.6	5.61	92.1	5.71
		17.8	65.4	3.40	70.8	3.97	77.1	4.64	83.8	5.22	86.2	5.35	89.6	5.47	92.1	5.57
		30.4	65.4	3.16	70.8	3.75	77.1	4.38	83.8	4.92	86.2	5.05	89.6	5.17	92.1	5.27
		38.0	65.4	3.07	70.8	3.68	77.1	4.28	83.8	4.82	86.2	4.95	89.6	5.08	92.1	5.12
		45.6	65.4	3.03	70.8	3.64	77.1	4.23	83.8	4.77	86.2	4.89	89.6	5.03	92.1	5.05

Performance Data

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM121BAS5

121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	12.2	65.4	4.06	70.8	4.71	77.1	5.49	83.8	6.19	86.2	6.32	89.6	6.49	92.1	6.61
		17.8	65.4	3.93	70.8	4.59	77.1	5.36	83.8	6.04	86.2	6.17	89.6	6.33	92.1	6.45
		30.4	65.4	3.65	70.8	4.33	77.1	5.07	83.8	5.69	86.2	5.84	89.6	5.97	92.1	6.09
		38.0	65.4	3.55	70.8	4.25	77.1	4.93	83.8	5.57	86.2	5.71	89.6	5.87	92.1	5.91
		45.6	65.4	3.50	70.8	4.22	77.1	4.87	83.8	5.51	86.2	5.65	89.6	5.82	92.1	5.82
60	50	12.2	56.0	0.84	60.7	0.98	66.0	1.13	71.8	1.30	74.0	1.33	76.9	1.35	79.0	1.37
		17.8	56.0	0.82	60.7	0.96	66.0	1.11	71.8	1.27	74.0	1.29	76.9	1.32	79.0	1.34
		30.4	56.0	0.76	60.7	0.90	66.0	1.06	71.8	1.19	74.0	1.21	76.9	1.25	79.0	1.28
		38.0	56.0	0.73	60.7	0.89	66.0	1.04	71.8	1.17	74.0	1.19	76.9	1.22	79.0	1.24
		45.6	56.0	0.71	60.7	0.88	66.0	1.03	71.8	1.16	74.0	1.18	76.9	1.20	79.0	1.23
	59	12.2	56.0	1.15	60.7	1.34	66.0	1.55	71.8	1.75	74.0	1.80	76.9	1.83	79.0	1.87
		17.8	56.0	1.12	60.7	1.31	66.0	1.52	71.8	1.71	74.0	1.75	76.9	1.79	79.0	1.83
		30.4	56.0	1.04	60.7	1.23	66.0	1.44	71.8	1.61	74.0	1.65	76.9	1.69	79.0	1.73
		38.0	56.0	1.00	60.7	1.20	66.0	1.40	71.8	1.58	74.0	1.61	76.9	1.66	79.0	1.68
		45.6	56.0	0.99	60.7	1.19	66.0	1.39	71.8	1.56	74.0	1.60	76.9	1.64	79.0	1.66
	67	12.2	56.0	1.42	60.7	1.65	66.0	1.92	71.8	2.16	74.0	2.22	76.9	2.26	79.0	2.31
		17.8	56.0	1.38	60.7	1.61	66.0	1.87	71.8	2.11	74.0	2.16	76.9	2.20	79.0	2.25
		30.4	56.0	1.28	60.7	1.51	66.0	1.77	71.8	1.99	74.0	2.04	76.9	2.08	79.0	2.13
		38.0	56.0	1.25	60.7	1.48	66.0	1.73	71.8	1.95	74.0	1.99	76.9	2.05	79.0	2.07
		45.6	56.0	1.23	60.7	1.46	66.0	1.70	71.8	1.93	74.0	1.97	76.9	2.03	79.0	2.04
	75	12.2	56.0	1.73	60.7	2.02	66.0	2.34	71.8	2.64	74.0	2.69	76.9	2.76	79.0	2.82
		17.8	56.0	1.68	60.7	1.97	66.0	2.28	71.8	2.58	74.0	2.63	76.9	2.70	79.0	2.75
		30.4	56.0	1.56	60.7	1.85	66.0	2.15	71.8	2.43	74.0	2.48	76.9	2.55	79.0	2.60
		38.0	56.0	1.51	60.7	1.80	66.0	2.11	71.8	2.37	74.0	2.44	76.9	2.49	79.0	2.53
		45.6	56.0	1.49	60.7	1.78	66.0	2.08	71.8	2.34	74.0	2.42	76.9	2.47	79.0	2.49
	86	12.2	56.0	2.12	60.7	2.47	66.0	2.87	71.8	3.24	74.0	3.32	76.9	3.39	79.0	3.46
		17.8	56.0	2.06	60.7	2.41	66.0	2.80	71.8	3.16	74.0	3.24	76.9	3.31	79.0	3.38
		30.4	56.0	1.92	60.7	2.27	66.0	2.65	71.8	2.98	74.0	3.05	76.9	3.13	79.0	3.19
		38.0	56.0	1.86	60.7	2.23	66.0	2.60	71.8	2.93	74.0	3.00	76.9	3.07	79.0	3.11
		45.6	56.0	1.83	60.7	2.21	66.0	2.57	71.8	2.90	74.0	2.97	76.9	3.05	79.0	3.07
	95	12.2	56.0	2.36	60.7	2.75	66.0	3.21	71.8	3.60	74.0	3.69	76.9	3.78	79.0	3.85
		17.8	56.0	2.29	60.7	2.68	66.0	3.13	71.8	3.51	74.0	3.60	76.9	3.69	79.0	3.75
		30.4	56.0	2.13	60.7	2.53	66.0	2.94	71.8	3.32	74.0	3.40	76.9	3.48	79.0	3.54
		38.0	56.0	2.07	60.7	2.47	66.0	2.88	71.8	3.25	74.0	3.33	76.9	3.42	79.0	3.45
		45.6	56.0	2.04	60.7	2.44	66.0	2.86	71.8	3.22	74.0	3.30	76.9	3.39	79.0	3.41
	104	12.2	56.0	2.79	60.7	3.25	66.0	3.79	71.8	4.27	74.0	4.37	76.9	4.47	79.0	4.56
		17.8	56.0	2.71	60.7	3.17	66.0	3.70	71.8	4.16	74.0	4.26	76.9	4.36	79.0	4.45
		30.4	56.0	2.53	60.7	3.00	66.0	3.49	71.8	3.92	74.0	4.02	76.9	4.12	79.0	4.20
		38.0	56.0	2.45	60.7	2.93	66.0	3.42	71.8	3.84	74.0	3.94	76.9	4.04	79.0	4.09
		45.6	56.0	2.41	60.7	2.90	66.0	3.39	71.8	3.80	74.0	3.90	76.9	4.00	79.0	4.03
	113	12.2	56.0	3.22	60.7	3.74	66.0	4.38	71.8	4.94	74.0	5.05	76.9	5.16	79.0	5.27
		17.8	56.0	3.13	60.7	3.65	66.0	4.27	71.8	4.81	74.0	4.92	76.9	5.04	79.0	5.14
		30.4	56.0	2.93	60.7	3.46	66.0	4.03	71.8	4.52	74.0	4.64	76.9	4.77	79.0	4.86
		38.0	56.0	2.83	60.7	3.39	66.0	3.95	71.8	4.43	74.0	4.56	76.9	4.67	79.0	4.72
		45.6	56.0	2.78	60.7	3.35	66.0	3.91	71.8	4.39	74.0	4.51	76.9	4.62	79.0	4.66
50	50	12.2	46.7	0.62	50.6	0.73	55.0	0.88	59.9	0.96	61.7	0.97	64.0	1.02	65.8	1.02
		17.8	46.7	0.61	50.6	0.71	55.0	0.85	59.9	0.94	61.7	0.95	64.0	0.99	65.8	1.00
		30.4	46.7	0.60	50.6	0.68	55.0	0.79	59.9	0.89	61.7	0.92	64.0	0.92	65.8	0.94
		38.0	46.7	0.60	50.6	0.68	55.0	0.77	59.9	0.87	61.7	0.88	64.0	0.91	65.8	0.91
		45.6	46.7	0.60	50.6	0.68	55.0	0.76	59.9	0.86	61.7	0.85	64.0	0.91	65.8	0.89
	59	12.2	46.7	0.85	50.6	1.00	55.0	1.17	59.9	1.30	61.7	1.33	64.0	1.37	65.8	1.39
		17.8	46.7	0.83	50.6	0.97	55.0	1.14	59.9	1.27	61.7	1.30	64.0	1.34	65.8	1.36
		30.4	46.7	0.77	50.6	0.91	55.0	1.07	59.9	1.20	61.7	1.24	64.0	1.26	65.8	1.28
		38.0	46.7	0.75	50.6	0.90	55.0	1.05	59.9	1.18	61.7	1.20	64.0	1.24	65.8	1.25
		45.6	46.7	0.74	50.6	0.90	55.0	1.04	59.9	1.17	61.7	1.19	64.0	1.23	65.8	1.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA

ARWM121BAS5

121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	12.2	46.7	1.06	50.6	1.24	55.0	1.43	59.9	1.61	61.7	1.65	64.0	1.68	65.8	1.72
		17.8	46.7	1.03	50.6	1.20	55.0	1.39	59.9	1.57	61.7	1.61	64.0	1.64	65.8	1.68
		30.4	46.7	0.96	50.6	1.12	55.0	1.31	59.9	1.48	61.7	1.51	64.0	1.56	65.8	1.58
		38.0	46.7	0.92	50.6	1.10	55.0	1.29	59.9	1.46	61.7	1.49	64.0	1.53	65.8	1.55
		45.6	46.7	0.91	50.6	1.09	55.0	1.28	59.9	1.45	61.7	1.48	64.0	1.51	65.8	1.53
	75	12.2	46.7	1.28	50.6	1.49	55.0	1.74	59.9	1.97	61.7	2.02	64.0	2.06	65.8	2.09
		17.8	46.7	1.24	50.6	1.46	55.0	1.70	59.9	1.92	61.7	1.97	64.0	2.01	65.8	2.04
		30.4	46.7	1.16	50.6	1.38	55.0	1.60	59.9	1.80	61.7	1.85	64.0	1.89	65.8	1.94
		38.0	46.7	1.12	50.6	1.35	55.0	1.57	59.9	1.77	61.7	1.82	64.0	1.86	65.8	1.88
		45.6	46.7	1.11	50.6	1.33	55.0	1.55	59.9	1.75	61.7	1.80	64.0	1.84	65.8	1.85
	86	12.2	46.7	1.59	50.6	1.85	55.0	2.15	59.9	2.42	61.7	2.48	64.0	2.53	65.8	2.58
		17.8	46.7	1.54	50.6	1.80	55.0	2.09	59.9	2.36	61.7	2.42	64.0	2.47	65.8	2.52
		30.4	46.7	1.43	50.6	1.69	55.0	1.97	59.9	2.23	61.7	2.27	64.0	2.34	65.8	2.37
		38.0	46.7	1.39	50.6	1.66	55.0	1.94	59.9	2.18	61.7	2.24	64.0	2.29	65.8	2.32
		45.6	46.7	1.38	50.6	1.64	55.0	1.92	59.9	2.16	61.7	2.22	64.0	2.27	65.8	2.29
	95	12.2	46.7	1.76	50.6	2.05	55.0	2.39	59.9	2.68	61.7	2.75	64.0	2.82	65.8	2.86
		17.8	46.7	1.71	50.6	2.00	55.0	2.33	59.9	2.62	61.7	2.68	64.0	2.75	65.8	2.79
		30.4	46.7	1.59	50.6	1.88	55.0	2.19	59.9	2.47	61.7	2.53	64.0	2.60	65.8	2.64
		38.0	46.7	1.55	50.6	1.85	55.0	2.15	59.9	2.43	61.7	2.48	64.0	2.55	65.8	2.57
		45.6	46.7	1.53	50.6	1.83	55.0	2.13	59.9	2.41	61.7	2.46	64.0	2.53	65.8	2.54
	104	12.2	46.7	2.09	50.6	2.42	55.0	2.83	59.9	3.18	61.7	3.26	64.0	3.34	65.8	3.39
		17.8	46.7	2.03	50.6	2.36	55.0	2.76	59.9	3.10	61.7	3.18	64.0	3.26	65.8	3.31
		30.4	46.7	1.88	50.6	2.23	55.0	2.60	59.9	2.93	61.7	3.00	64.0	3.07	65.8	3.13
		38.0	46.7	1.83	50.6	2.18	55.0	2.55	59.9	2.87	61.7	2.94	64.0	3.02	65.8	3.04
		45.6	46.7	1.80	50.6	2.16	55.0	2.53	59.9	2.85	61.7	2.91	64.0	2.99	65.8	3.00
	113	12.2	46.7	2.42	50.6	2.80	55.0	3.28	59.9	3.68	61.7	3.77	64.0	3.86	65.8	3.93
		17.8	46.7	2.34	50.6	2.73	55.0	3.19	59.9	3.59	61.7	3.67	64.0	3.76	65.8	3.83
		30.4	46.7	2.17	50.6	2.57	55.0	3.00	59.9	3.39	61.7	3.46	64.0	3.55	65.8	3.62
		38.0	46.7	2.11	50.6	2.52	55.0	2.95	59.9	3.32	61.7	3.40	64.0	3.49	65.8	3.51
		45.6	46.7	2.07	50.6	2.49	55.0	2.93	59.9	3.29	61.7	3.36	64.0	3.45	65.8	3.45

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM144BAS5

144,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	50	14.2	133.9	2.62	145.0	3.08	157.8	3.58	171.5	4.01	176.8	4.10	183.7	4.24	188.8	4.30
		17.8	133.9	2.57	145.0	3.02	157.8	3.52	171.5	3.95	176.8	4.04	183.7	4.17	188.8	4.23
		35.5	133.9	2.39	145.0	2.80	157.8	3.28	171.5	3.69	176.8	3.80	183.7	3.88	188.8	3.98
		44.4	133.9	2.32	145.0	2.76	157.8	3.22	171.5	3.61	176.8	3.72	183.7	3.82	188.8	3.87
		53.3	133.9	2.29	145.0	2.74	157.8	3.20	171.5	3.57	176.8	3.68	183.7	3.78	188.8	3.81
	59	14.2	131.7	3.46	142.6	4.03	155.3	4.70	168.8	5.27	173.9	5.40	180.6	5.54	185.7	5.64
		17.8	131.7	3.39	142.6	3.96	155.3	4.62	168.8	5.19	173.9	5.32	180.6	5.46	185.7	5.55
		35.5	131.7	3.13	142.6	3.70	155.3	4.31	168.8	4.86	173.9	4.98	180.6	5.11	185.7	5.22
		44.4	131.7	3.04	142.6	3.63	155.3	4.23	168.8	4.76	173.9	4.88	180.6	5.01	185.7	5.09
		53.3	131.7	3.00	142.6	3.59	155.3	4.19	168.8	4.71	173.9	4.83	180.6	4.96	185.7	5.03
	67	14.2	129.7	4.20	140.5	4.88	153.0	5.69	166.4	6.39	171.3	6.55	177.9	6.70	183.0	6.83
		17.8	129.7	4.12	140.5	4.80	153.0	5.59	166.4	6.29	171.3	6.45	177.9	6.60	183.0	6.72
		35.5	129.7	3.78	140.5	4.49	153.0	5.23	166.4	5.89	171.3	6.03	177.9	6.19	183.0	6.32
		44.4	129.7	3.68	140.5	4.39	153.0	5.12	166.4	5.78	171.3	5.92	177.9	6.07	183.0	6.18
		53.3	129.7	3.63	140.5	4.35	153.0	5.06	166.4	5.72	171.3	5.86	177.9	6.01	183.0	6.11
	75	14.2	129.7	5.18	140.5	6.01	153.0	7.00	166.4	7.90	171.3	8.08	177.9	8.27	183.0	8.41
		17.8	129.7	5.08	140.5	5.92	153.0	6.89	166.4	7.77	171.3	7.95	177.9	8.15	183.0	8.29
		35.5	129.7	4.67	140.5	5.54	153.0	6.45	166.4	7.25	171.3	7.44	177.9	7.65	183.0	7.78
		44.4	129.7	4.53	140.5	5.41	153.0	6.32	166.4	7.12	171.3	7.30	177.9	7.49	183.0	7.62
		53.3	129.7	4.46	140.5	5.35	153.0	6.26	166.4	7.04	171.3	7.23	177.9	7.41	183.0	7.53
	86	14.2	129.7	6.22	140.5	7.22	153.0	8.41	166.4	9.47	171.3	9.70	177.9	9.94	183.0	10.10
		17.8	129.7	6.10	140.5	7.10	153.0	8.27	166.4	9.32	171.3	9.54	177.9	9.78	183.0	9.95
		35.5	129.7	5.59	140.5	6.64	153.0	7.74	166.4	8.71	171.3	8.93	177.9	9.17	183.0	9.35
		44.4	129.7	5.44	140.5	6.50	153.0	7.58	166.4	8.54	171.3	8.76	177.9	8.98	183.0	9.14
		53.3	129.7	5.36	140.5	6.43	153.0	7.49	166.4	8.45	171.3	8.68	177.9	8.89	183.0	9.03
	95	14.2	116.8	6.28	126.4	7.30	137.7	8.51	149.7	9.57	154.2	9.81	160.2	10.05	164.7	10.21
		17.8	116.8	6.15	126.4	7.18	137.7	8.37	149.7	9.42	154.2	9.65	160.2	9.89	164.7	10.06
		35.5	116.8	5.66	126.4	6.71	137.7	7.83	149.7	8.82	154.2	9.03	160.2	9.26	164.7	9.46
		44.4	116.8	5.51	126.4	6.57	137.7	7.66	149.7	8.64	154.2	8.86	160.2	9.08	164.7	9.24
		53.3	116.8	5.43	126.4	6.50	137.7	7.57	149.7	8.54	154.2	8.77	160.2	8.99	164.7	9.12
	104	14.2	103.8	6.64	112.5	7.70	122.4	8.98	133.0	10.10	137.1	10.33	142.3	10.58	146.4	10.78
		17.8	103.8	6.50	112.5	7.58	122.4	8.83	133.0	9.93	137.1	10.17	142.3	10.42	146.4	10.62
		35.5	103.8	5.97	112.5	7.09	122.4	8.26	133.0	9.29	137.1	9.53	142.3	9.78	146.4	9.98
		44.4	103.8	5.80	112.5	6.93	122.4	8.08	133.0	9.11	137.1	9.35	142.3	9.58	146.4	9.75
		53.3	103.8	5.72	112.5	6.86	122.4	7.99	133.0	9.02	137.1	9.26	142.3	9.49	146.4	9.64
	113	14.2	90.7	6.99	98.5	8.09	107.1	9.44	116.4	10.62	120.0	10.85	124.5	11.12	128.1	11.35
		17.8	90.7	6.85	98.5	7.97	107.1	9.29	116.4	10.45	120.0	10.69	124.5	10.95	128.1	11.18
		35.5	90.7	6.28	98.5	7.46	107.1	8.69	116.4	9.77	120.0	10.03	124.5	10.30	128.1	10.49
		44.4	90.7	6.10	98.5	7.30	107.1	8.50	116.4	9.58	120.0	9.84	124.5	10.09	128.1	10.27
		53.3	90.7	6.01	98.5	7.21	107.1	8.40	116.4	9.49	120.0	9.74	124.5	9.98	128.1	10.16
120	50	14.2	126.8	2.50	137.1	2.92	149.4	3.38	162.4	3.80	167.2	3.92	173.8	4.02	178.6	4.06
		17.8	126.8	2.45	137.1	2.87	149.4	3.33	162.4	3.74	167.2	3.85	173.8	3.95	178.6	4.00
		35.5	126.8	2.25	137.1	2.68	149.4	3.13	162.4	3.50	167.2	3.58	173.8	3.67	178.6	3.76
		44.4	126.8	2.18	137.1	2.60	149.4	3.06	162.4	3.42	167.2	3.53	173.8	3.61	178.6	3.68
		53.3	126.8	2.15	137.1	2.55	149.4	3.02	162.4	3.38	167.2	3.50	173.8	3.57	178.6	3.64
	59	14.2	125.2	3.32	135.6	3.86	147.8	4.48	160.5	5.05	165.3	5.18	171.8	5.30	176.6	5.38
		17.8	125.2	3.25	135.6	3.79	147.8	4.41	160.5	4.97	165.3	5.09	171.8	5.22	176.6	5.30
		35.5	125.2	2.99	135.6	3.54	147.8	4.13	160.5	4.65	165.3	4.76	171.8	4.88	176.6	4.98
		44.4	125.2	2.90	135.6	3.46	147.8	4.05	160.5	4.55	165.3	4.67	171.8	4.79	176.6	4.87
		53.3	125.2	2.86	135.6	3.42	147.8	4.00	160.5	4.50	165.3	4.63	171.8	4.74	176.6	4.81
	67	14.2	123.9	4.04	134.2	4.70	146.3	5.46	158.9	6.15	163.7	6.29	170.0	6.45	174.8	6.56
		17.8	123.9	3.96	134.2	4.62	146.3	5.37	158.9	6.05	163.7	6.19	170.0	6.35	174.8	6.46
		35.5	123.9	3.64	134.2	4.31	146.3	5.02	158.9	5.66	163.7	5.80	170.0	5.96	174.8	6.07
		44.4	123.9	3.54	134.2	4.23	146.3	4.92	158.9	5.55	163.7	5.69	170.0	5.83	174.8	5.93
		53.3	123.9	3.49	134.2	4.19	146.3	4.88	158.9	5.50	163.7	5.64	170.0	5.77	174.8	5.86

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	14.2	123.9	4.97	134.2	5.77	146.3	6.72	158.9	7.56	163.7	7.74	170.0	7.94	174.8	8.08
		17.8	123.9	4.87	134.2	5.68	146.3	6.61	158.9	7.44	163.7	7.62	170.0	7.81	174.8	7.95
		35.5	123.9	4.48	134.2	5.30	146.3	6.18	158.9	6.96	163.7	7.13	170.0	7.31	174.8	7.46
		44.4	123.9	4.35	134.2	5.19	146.3	6.05	158.9	6.82	163.7	6.99	170.0	7.17	174.8	7.28
		53.3	123.9	4.29	134.2	5.13	146.3	5.99	158.9	6.75	163.7	6.92	170.0	7.10	174.8	7.19
	86	14.2	123.9	5.99	134.2	6.98	146.3	8.13	158.9	9.15	163.7	9.36	170.0	9.60	174.8	9.76
		17.8	123.9	5.87	134.2	6.86	146.3	7.99	158.9	9.00	163.7	9.21	170.0	9.45	174.8	9.61
		35.5	123.9	5.41	134.2	6.42	146.3	7.46	158.9	8.41	163.7	8.62	170.0	8.85	174.8	9.01
		44.4	123.9	5.26	134.2	6.28	146.3	7.31	158.9	8.25	163.7	8.45	170.0	8.68	174.8	8.80
		53.3	123.9	5.18	134.2	6.21	146.3	7.23	158.9	8.16	163.7	8.37	170.0	8.59	174.8	8.70
	95	14.2	113.4	6.15	122.8	7.15	133.8	8.32	145.4	9.37	149.7	9.60	155.6	9.82	159.9	10.00
		17.8	113.4	6.03	122.8	7.03	133.8	8.19	145.4	9.22	149.7	9.45	155.6	9.67	159.9	9.85
		35.5	113.4	5.54	122.8	6.57	133.8	7.66	145.4	8.62	149.7	8.83	155.6	9.07	159.9	9.24
		44.4	113.4	5.39	122.8	6.43	133.8	7.51	145.4	8.45	149.7	8.66	155.6	8.89	159.9	9.03
		53.3	113.4	5.31	122.8	6.36	133.8	7.43	145.4	8.37	149.7	8.58	155.6	8.80	159.9	8.92
	104	14.2	102.9	6.62	111.4	7.69	121.3	8.96	132.0	10.08	135.9	10.32	141.1	10.57	145.1	10.77
		17.8	102.9	6.49	111.4	7.56	121.3	8.82	132.0	9.92	135.9	10.16	141.1	10.41	145.1	10.60
		35.5	102.9	5.97	111.4	7.07	121.3	8.25	132.0	9.28	135.9	9.50	141.1	9.75	145.1	9.95
		44.4	102.9	5.80	111.4	6.92	121.3	8.08	132.0	9.10	135.9	9.33	141.1	9.57	145.1	9.71
		53.3	102.9	5.72	111.4	6.84	121.3	7.99	132.0	9.00	135.9	9.25	141.1	9.48	145.1	9.59
	113	14.2	92.3	7.09	100.0	8.22	108.9	9.60	118.6	10.79	122.1	11.04	126.7	11.33	130.2	11.53
		17.8	92.3	6.95	100.0	8.09	108.9	9.45	118.6	10.62	122.1	10.87	126.7	11.15	130.2	11.36
		35.5	92.3	6.40	100.0	7.58	108.9	8.83	118.6	9.93	122.1	10.17	126.7	10.44	130.2	10.66
		44.4	92.3	6.22	100.0	7.41	108.9	8.65	118.6	9.74	122.1	10.00	126.7	10.25	130.2	10.39
		53.3	92.3	6.13	100.0	7.32	108.9	8.56	118.6	9.64	122.1	9.92	126.7	10.16	130.2	10.26
50	14.2	119.4	2.36	129.5	2.73	140.9	3.20	153.1	3.59	157.6	3.67	163.9	3.79	168.3	3.84	
	17.8	119.4	2.31	129.5	2.69	140.9	3.15	153.1	3.53	157.6	3.62	163.9	3.73	168.3	3.78	
	35.5	119.4	2.12	129.5	2.51	140.9	2.93	153.1	3.31	157.6	3.40	163.9	3.48	168.3	3.53	
	44.4	119.4	2.07	129.5	2.46	140.9	2.86	153.1	3.25	157.6	3.30	163.9	3.41	168.3	3.45	
	53.3	119.4	2.04	129.5	2.43	140.9	2.83	153.1	3.23	157.6	3.26	163.9	3.38	168.3	3.41	
59	14.2	118.8	3.16	128.7	3.67	140.1	4.28	152.3	4.82	156.8	4.93	162.9	5.06	167.4	5.15	
	17.8	118.8	3.10	128.7	3.61	140.1	4.21	152.3	4.74	156.8	4.86	162.9	4.98	167.4	5.06	
	35.5	118.8	2.85	128.7	3.38	140.1	3.93	152.3	4.44	156.8	4.55	162.9	4.66	167.4	4.74	
	44.4	118.8	2.78	128.7	3.31	140.1	3.85	152.3	4.35	156.8	4.45	162.9	4.58	167.4	4.63	
	53.3	118.8	2.74	128.7	3.27	140.1	3.81	152.3	4.31	156.8	4.40	162.9	4.53	167.4	4.58	
67	14.2	118.2	3.87	127.9	4.51	139.3	5.25	151.5	5.91	156.0	6.06	162.0	6.20	166.7	6.31	
	17.8	118.2	3.79	127.9	4.44	139.3	5.16	151.5	5.82	156.0	5.96	162.0	6.10	166.7	6.21	
	35.5	118.2	3.49	127.9	4.14	139.3	4.83	151.5	5.44	156.0	5.57	162.0	5.71	166.7	5.82	
	44.4	118.2	3.40	127.9	4.06	139.3	4.73	151.5	5.33	156.0	5.47	162.0	5.61	166.7	5.68	
	53.3	118.2	3.36	127.9	4.02	139.3	4.68	151.5	5.27	156.0	5.42	162.0	5.56	166.7	5.61	
75	14.2	118.2	4.74	127.9	5.52	139.3	6.42	151.5	7.23	156.0	7.40	162.0	7.58	166.7	7.72	
	17.8	118.2	4.65	127.9	5.43	139.3	6.32	151.5	7.12	156.0	7.28	162.0	7.46	166.7	7.60	
	35.5	118.2	4.28	127.9	5.08	139.3	5.92	151.5	6.65	156.0	6.82	162.0	6.99	166.7	7.13	
	44.4	118.2	4.16	127.9	4.97	139.3	5.79	151.5	6.53	156.0	6.68	162.0	6.86	166.7	6.95	
	53.3	118.2	4.09	127.9	4.91	139.3	5.73	151.5	6.47	156.0	6.61	162.0	6.80	166.7	6.86	
86	14.2	118.2	5.78	127.9	6.72	139.3	7.83	151.5	8.82	156.0	9.03	162.0	9.24	166.7	9.41	
	17.8	118.2	5.66	127.9	6.61	139.3	7.70	151.5	8.68	156.0	8.89	162.0	9.10	166.7	9.26	
	35.5	118.2	5.22	127.9	6.18	139.3	7.20	151.5	8.11	156.0	8.32	162.0	8.52	166.7	8.68	
	44.4	118.2	5.08	127.9	6.05	139.3	7.06	151.5	7.95	156.0	8.15	162.0	8.36	166.7	8.47	
	53.3	118.2	5.01	127.9	5.99	139.3	6.99	151.5	7.87	156.0	8.06	162.0	8.27	166.7	8.36	
95	14.2	110.1	6.02	119.2	6.99	129.9	8.14	141.1	9.17	145.4	9.39	151.1	9.61	155.3	9.80	
	17.8	110.1	5.90	119.2	6.88	129.9	8.01	141.1	9.03	145.4	9.24	151.1	9.46	155.3	9.64	
	35.5	110.1	5.43	119.2	6.43	129.9	7.49	141.1	8.44	145.4	8.64	151.1	8.86	155.3	9.03	
	44.4	110.1	5.27	119.2	6.29	129.9	7.34	141.1	8.27	145.4	8.48	151.1	8.69	155.3	8.80	
	53.3	110.1	5.20	119.2	6.22	129.9	7.26	141.1	8.19	145.4	8.41	151.1	8.61	155.3	8.69	

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM144BAS5

144,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	14.2	102.0	6.60	110.5	7.69	120.3	8.95	130.8	10.07	134.7	10.31	139.9	10.56	143.8	10.76
		17.8	102.0	6.47	110.5	7.56	120.3	8.80	130.8	9.91	134.7	10.14	139.9	10.39	143.8	10.59
		35.5	102.0	5.96	110.5	7.06	120.3	8.23	130.8	9.26	134.7	9.49	139.9	9.74	143.8	9.92
		44.4	102.0	5.79	110.5	6.91	120.3	8.06	130.8	9.08	134.7	9.32	139.9	9.56	143.8	9.67
		53.3	102.0	5.71	110.5	6.83	120.3	7.98	130.8	8.99	134.7	9.24	139.9	9.47	143.8	9.54
	113	14.2	93.8	7.19	101.8	8.39	110.7	9.76	120.4	10.96	124.0	11.23	128.8	11.51	132.4	11.72
		17.8	93.8	7.05	101.8	8.25	110.7	9.60	120.4	10.78	124.0	11.05	128.8	11.33	132.4	11.54
		35.5	93.8	6.49	101.8	7.69	110.7	8.97	120.4	10.09	124.0	10.34	128.8	10.62	132.4	10.81
		44.4	93.8	6.31	101.8	7.52	110.7	8.79	120.4	9.89	124.0	10.16	128.8	10.42	132.4	10.53
		53.3	93.8	6.21	101.8	7.44	110.7	8.70	120.4	9.79	124.0	10.07	128.8	10.32	132.4	10.39
100	50	14.2	112.3	2.23	121.6	2.60	132.4	2.98	144.0	3.40	148.4	3.44	154.1	3.56	158.4	3.63
		17.8	112.3	2.19	121.6	2.55	132.4	2.94	144.0	3.34	148.4	3.39	154.1	3.50	158.4	3.57
		35.5	112.3	2.01	121.6	2.38	132.4	2.76	144.0	3.13	148.4	3.19	154.1	3.28	158.4	3.34
		44.4	112.3	1.95	121.6	2.32	132.4	2.70	144.0	3.06	148.4	3.13	154.1	3.21	158.4	3.23
		53.3	112.3	1.91	121.6	2.29	132.4	2.66	144.0	3.03	148.4	3.09	154.1	3.17	158.4	3.18
	59	14.2	112.3	3.02	121.6	3.50	132.4	4.07	144.0	4.59	148.4	4.69	154.1	4.82	158.4	4.90
		17.8	112.3	2.96	121.6	3.45	132.4	4.00	144.0	4.52	148.4	4.62	154.1	4.74	158.4	4.83
		35.5	112.3	2.72	121.6	3.22	132.4	3.75	144.0	4.23	148.4	4.32	154.1	4.44	158.4	4.52
		44.4	112.3	2.64	121.6	3.15	132.4	3.67	144.0	4.14	148.4	4.24	154.1	4.35	158.4	4.39
		53.3	112.3	2.59	121.6	3.12	132.4	3.63	144.0	4.10	148.4	4.20	154.1	4.31	158.4	4.33
	67	14.2	112.3	3.72	121.6	4.31	132.4	5.03	144.0	5.66	148.4	5.80	154.1	5.94	158.4	6.04
		17.8	112.3	3.64	121.6	4.24	132.4	4.95	144.0	5.57	148.4	5.71	154.1	5.85	158.4	5.94
		35.5	112.3	3.35	121.6	3.98	132.4	4.63	144.0	5.20	148.4	5.33	154.1	5.47	158.4	5.57
		44.4	112.3	3.25	121.6	3.89	132.4	4.53	144.0	5.11	148.4	5.23	154.1	5.37	158.4	5.43
		53.3	112.3	3.20	121.6	3.85	132.4	4.48	144.0	5.06	148.4	5.18	154.1	5.32	158.4	5.36
	75	14.2	112.3	4.52	121.6	5.26	132.4	6.13	144.0	6.91	148.4	7.08	154.1	7.25	158.4	7.37
		17.8	112.3	4.44	121.6	5.18	132.4	6.03	144.0	6.79	148.4	6.96	154.1	7.13	158.4	7.25
		35.5	112.3	4.09	121.6	4.84	132.4	5.64	144.0	6.35	148.4	6.50	154.1	6.67	158.4	6.79
		44.4	112.3	3.98	121.6	4.74	132.4	5.52	144.0	6.22	148.4	6.38	154.1	6.54	158.4	6.61
		53.3	112.3	3.92	121.6	4.69	132.4	5.47	144.0	6.16	148.4	6.31	154.1	6.48	158.4	6.52
	86	14.2	112.3	5.56	121.6	6.48	132.4	7.55	144.0	8.49	148.4	8.69	154.1	8.90	158.4	9.07
		17.8	112.3	5.46	121.6	6.38	132.4	7.42	144.0	8.36	148.4	8.55	154.1	8.76	158.4	8.93
		35.5	112.3	5.02	121.6	5.96	132.4	6.93	144.0	7.81	148.4	7.99	154.1	8.20	158.4	8.36
		44.4	112.3	4.88	121.6	5.83	132.4	6.79	144.0	7.66	148.4	7.85	154.1	8.05	158.4	8.13
		53.3	112.3	4.81	121.6	5.77	132.4	6.72	144.0	7.58	148.4	7.78	154.1	7.97	158.4	8.02
	95	14.2	106.8	5.88	115.6	6.83	125.8	7.95	136.8	8.96	140.8	9.17	146.4	9.40	150.5	9.57
		17.8	106.8	5.76	115.6	6.72	125.8	7.83	136.8	8.82	140.8	9.03	146.4	9.25	150.5	9.42
		35.5	106.8	5.30	115.6	6.29	125.8	7.32	136.8	8.25	140.8	8.44	146.4	8.66	150.5	8.82
		44.4	106.8	5.16	115.6	6.15	125.8	7.17	136.8	8.09	140.8	8.29	146.4	8.50	150.5	8.58
		53.3	106.8	5.09	115.6	6.08	125.8	7.09	136.8	8.01	140.8	8.21	146.4	8.41	150.5	8.46
	104	14.2	101.1	6.61	109.5	7.67	119.2	8.93	129.6	10.05	133.5	10.29	138.7	10.55	142.5	10.73
		17.8	101.1	6.47	109.5	7.55	119.2	8.79	129.6	9.89	133.5	10.13	138.7	10.38	142.5	10.56
		35.5	101.1	5.94	109.5	7.06	119.2	8.22	129.6	9.25	133.5	9.47	138.7	9.71	142.5	9.89
		44.4	101.1	5.79	109.5	6.91	119.2	8.05	129.6	9.07	133.5	9.29	138.7	9.53	142.5	9.63
		53.3	101.1	5.71	109.5	6.83	119.2	7.97	129.6	8.98	133.5	9.20	138.7	9.44	142.5	9.49
	113	14.2	95.3	7.34	103.3	8.51	112.6	9.91	122.4	11.15	126.1	11.41	131.1	11.70	134.5	11.89
		17.8	95.3	7.18	103.3	8.37	112.6	9.75	122.4	10.97	126.1	11.23	131.1	11.51	134.5	11.71
		35.5	95.3	6.59	103.3	7.83	112.6	9.11	122.4	10.25	126.1	10.51	131.1	10.76	134.5	10.97
		44.4	95.3	6.42	103.3	7.66	112.6	8.93	122.4	10.05	126.1	10.30	131.1	10.56	134.5	10.67
		53.3	95.3	6.33	103.3	7.57	112.6	8.84	122.4	9.94	126.1	10.19	131.1	10.46	134.5	10.53
90	50	14.2	101.1	1.90	109.5	2.20	119.2	2.58	129.6	2.92	133.5	2.97	138.7	3.03	142.5	3.13
		17.8	101.1	1.86	109.5	2.17	119.2	2.54	129.6	2.87	133.5	2.92	138.7	2.99	142.5	3.07
		35.5	101.1	1.73	109.5	2.05	119.2	2.38	129.6	2.70	133.5	2.75	138.7	2.83	142.5	2.87
		44.4	101.1	1.68	109.5	1.98	119.2	2.34	129.6	2.62	133.5	2.70	138.7	2.78	142.5	2.78
		53.3	101.1	1.65	109.5	1.95	119.2	2.31	129.6	2.57	133.5	2.67	138.7	2.75	142.5	2.73

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 144,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	14.2	101.1	2.59	109.5	3.00	119.2	3.50	129.6	3.96	133.5	4.04	138.7	4.14	142.5	4.22
		17.8	101.1	2.54	109.5	2.96	119.2	3.45	129.6	3.89	133.5	3.98	138.7	4.07	142.5	4.16
		35.5	101.1	2.34	109.5	2.78	119.2	3.22	129.6	3.64	133.5	3.73	138.7	3.82	142.5	3.89
		44.4	101.1	2.27	109.5	2.71	119.2	3.17	129.6	3.56	133.5	3.66	138.7	3.75	142.5	3.78
		53.3	101.1	2.24	109.5	2.67	119.2	3.14	129.6	3.52	133.5	3.62	138.7	3.72	142.5	3.72
	67	14.2	101.1	3.20	109.5	3.72	119.2	4.33	129.6	4.88	133.5	4.99	138.7	5.12	142.5	5.20
		17.8	101.1	3.14	109.5	3.66	119.2	4.26	129.6	4.80	133.5	4.91	138.7	5.04	142.5	5.12
		35.5	101.1	2.89	109.5	3.42	119.2	3.98	129.6	4.48	133.5	4.59	138.7	4.70	142.5	4.80
		44.4	101.1	2.80	109.5	3.35	119.2	3.91	129.6	4.39	133.5	4.51	138.7	4.62	142.5	4.67
		53.3	101.1	2.76	109.5	3.31	119.2	3.87	129.6	4.35	133.5	4.46	138.7	4.58	142.5	4.61
	75	14.2	101.1	3.90	109.5	4.54	119.2	5.27	129.6	5.94	133.5	6.08	138.7	6.24	142.5	6.35
		17.8	101.1	3.82	109.5	4.46	119.2	5.19	129.6	5.85	133.5	5.99	138.7	6.14	142.5	6.25
		35.5	101.1	3.52	109.5	4.17	119.2	4.86	129.6	5.47	133.5	5.59	138.7	5.75	142.5	5.85
		44.4	101.1	3.42	109.5	4.07	119.2	4.76	129.6	5.36	133.5	5.50	138.7	5.64	142.5	5.69
		53.3	101.1	3.37	109.5	4.02	119.2	4.71	129.6	5.30	133.5	5.45	138.7	5.58	142.5	5.61
	86	14.2	101.1	4.80	109.5	5.57	119.2	6.50	129.6	7.32	133.5	7.49	138.7	7.67	142.5	7.81
		17.8	101.1	4.70	109.5	5.48	119.2	6.39	129.6	7.20	133.5	7.37	138.7	7.55	142.5	7.69
		35.5	101.1	4.32	109.5	5.12	119.2	5.97	129.6	6.72	133.5	6.89	138.7	7.06	142.5	7.18
		44.4	101.1	4.20	109.5	5.02	119.2	5.85	129.6	6.60	133.5	6.75	138.7	6.93	142.5	7.00
		53.3	101.1	4.14	109.5	4.97	119.2	5.78	129.6	6.54	133.5	6.68	138.7	6.87	142.5	6.91
	95	14.2	98.4	5.18	106.5	6.01	115.9	7.00	126.0	7.88	129.7	8.07	134.8	8.26	138.6	8.42
		17.8	98.4	5.08	106.5	5.92	115.9	6.89	126.0	7.76	129.7	7.94	134.8	8.13	138.6	8.29
		35.5	98.4	4.66	106.5	5.52	115.9	6.45	126.0	7.25	129.7	7.42	134.8	7.62	138.6	7.76
		44.4	98.4	4.53	106.5	5.41	115.9	6.31	126.0	7.12	129.7	7.30	134.8	7.48	138.6	7.55
		53.3	98.4	4.47	106.5	5.36	115.9	6.24	126.0	7.04	129.7	7.23	134.8	7.41	138.6	7.44
	104	14.2	95.5	5.95	103.5	6.91	112.6	8.04	122.4	9.06	126.1	9.27	130.9	9.50	134.7	9.67
		17.8	95.5	5.83	103.5	6.79	112.6	7.91	122.4	8.91	126.1	9.12	130.9	9.35	134.7	9.51
		35.5	95.5	5.36	103.5	6.35	112.6	7.41	122.4	8.33	126.1	8.54	130.9	8.75	134.7	8.91
		44.4	95.5	5.20	103.5	6.22	112.6	7.25	122.4	8.18	126.1	8.37	130.9	8.59	134.7	8.68
		53.3	95.5	5.13	103.5	6.16	112.6	7.18	122.4	8.10	126.1	8.29	130.9	8.52	134.7	8.56
113	14.2	92.6	6.72	100.5	7.80	109.3	9.07	118.8	10.24	122.5	10.48	127.0	10.73	130.8	10.91	
	17.8	92.6	6.59	100.5	7.67	109.3	8.93	118.8	10.07	122.5	10.31	127.0	10.56	130.8	10.74	
	35.5	92.6	6.05	100.5	7.17	109.3	8.37	118.8	9.40	122.5	9.65	127.0	9.88	130.8	10.07	
	44.4	92.6	5.87	100.5	7.03	109.3	8.20	118.8	9.24	122.5	9.45	127.0	9.71	130.8	9.81	
	53.3	92.6	5.78	100.5	6.96	109.3	8.12	118.8	9.15	122.5	9.34	127.0	9.63	130.8	9.67	
80	50	14.2	89.8	1.62	97.3	1.85	106.0	2.15	115.2	2.46	118.6	2.49	123.3	2.57	126.7	2.59
		17.8	89.8	1.59	97.3	1.82	106.0	2.12	115.2	2.42	118.6	2.46	123.3	2.52	126.7	2.55
		35.5	89.8	1.44	97.3	1.73	106.0	2.00	115.2	2.24	118.6	2.31	123.3	2.35	126.7	2.39
		44.4	89.8	1.42	97.3	1.68	106.0	1.96	115.2	2.20	118.6	2.24	123.3	2.31	126.7	2.34
		53.3	89.8	1.42	97.3	1.65	106.0	1.94	115.2	2.18	118.6	2.20	123.3	2.29	126.7	2.31
	59	14.2	89.8	2.18	97.3	2.52	106.0	2.93	115.2	3.32	118.6	3.39	123.3	3.47	126.7	3.53
		17.8	89.8	2.13	97.3	2.48	106.0	2.89	115.2	3.26	118.6	3.33	123.3	3.42	126.7	3.47
		35.5	89.8	1.95	97.3	2.33	106.0	2.71	115.2	3.04	118.6	3.13	123.3	3.19	126.7	3.25
		44.4	89.8	1.91	97.3	2.27	106.0	2.65	115.2	2.99	118.6	3.06	123.3	3.14	126.7	3.17
		53.3	89.8	1.89	97.3	2.25	106.0	2.62	115.2	2.96	118.6	3.02	123.3	3.11	126.7	3.12
	67	14.2	89.8	2.68	97.3	3.12	106.0	3.63	115.2	4.08	118.6	4.18	123.3	4.28	126.7	4.37
		17.8	89.8	2.62	97.3	3.07	106.0	3.57	115.2	4.02	118.6	4.12	123.3	4.21	126.7	4.30
		35.5	89.8	2.41	97.3	2.86	106.0	3.33	115.2	3.75	118.6	3.85	123.3	3.95	126.7	4.02
		44.4	89.8	2.34	97.3	2.80	106.0	3.26	115.2	3.68	118.6	3.78	123.3	3.88	126.7	3.91
		53.3	89.8	2.31	97.3	2.78	106.0	3.23	115.2	3.65	118.6	3.75	123.3	3.84	126.7	3.85
	75	14.2	89.8	3.28	97.3	3.80	106.0	4.42	115.2	4.97	118.6	5.11	123.3	5.23	126.7	5.32
		17.8	89.8	3.21	97.3	3.74	106.0	4.35	115.2	4.90	118.6	5.02	123.3	5.15	126.7	5.23
		35.5	89.8	2.94	97.3	3.49	106.0	4.07	115.2	4.59	118.6	4.69	123.3	4.81	126.7	4.90
		44.4	89.8	2.86	97.3	3.42	106.0	3.99	115.2	4.49	118.6	4.60	123.3	4.73	126.7	4.77
		53.3	89.8	2.82	97.3	3.38	106.0	3.95	115.2	4.44	118.6	4.56	123.3	4.69	126.7	4.71

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA



ARWM144BAS5

144,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	14.2	89.8	4.01	97.3	4.66	106.0	5.45	115.2	6.13	118.6	6.27	123.3	6.42	126.7	6.55
		17.8	89.8	3.93	97.3	4.59	106.0	5.36	115.2	6.03	118.6	6.17	123.3	6.32	126.7	6.45
		35.5	89.8	3.63	97.3	4.30	106.0	5.01	115.2	5.64	118.6	5.78	123.3	5.92	126.7	6.03
		44.4	89.8	3.53	97.3	4.20	106.0	4.90	115.2	5.52	118.6	5.66	123.3	5.80	126.7	5.87
		53.3	89.8	3.48	97.3	4.15	106.0	4.84	115.2	5.47	118.6	5.61	123.3	5.75	126.7	5.80
	95	14.2	89.8	4.47	97.3	5.19	106.0	6.04	115.2	6.81	118.6	6.98	123.3	7.15	126.7	7.27
		17.8	89.8	4.38	97.3	5.11	106.0	5.94	115.2	6.70	118.6	6.86	123.3	7.03	126.7	7.16
		35.5	89.8	4.03	97.3	4.77	106.0	5.57	115.2	6.26	118.6	6.42	123.3	6.57	126.7	6.70
		44.4	89.8	3.92	97.3	4.67	106.0	5.46	115.2	6.14	118.6	6.29	123.3	6.46	126.7	6.52
		53.3	89.8	3.86	97.3	4.62	106.0	5.40	115.2	6.08	118.6	6.23	123.3	6.40	126.7	6.42
	104	14.2	89.8	5.30	97.3	6.16	106.0	7.16	115.2	8.07	118.6	8.25	123.3	8.47	126.7	8.61
		17.8	89.8	5.19	97.3	6.05	106.0	7.05	115.2	7.94	118.6	8.12	123.3	8.33	126.7	8.47
		35.5	89.8	4.77	97.3	5.65	106.0	6.59	115.2	7.42	118.6	7.59	123.3	7.78	126.7	7.92
		44.4	89.8	4.63	97.3	5.54	106.0	6.45	115.2	7.27	118.6	7.45	123.3	7.65	126.7	7.72
		53.3	89.8	4.56	97.3	5.48	106.0	6.38	115.2	7.19	118.6	7.38	123.3	7.58	126.7	7.61
	113	14.2	89.8	6.12	97.3	7.12	106.0	8.29	115.2	9.33	118.6	9.53	123.3	9.79	126.7	9.94
		17.8	89.8	6.00	97.3	7.00	106.0	8.15	115.2	9.18	118.6	9.38	123.3	9.63	126.7	9.78
		35.5	89.8	5.51	97.3	6.53	106.0	7.60	115.2	8.58	118.6	8.76	123.3	9.00	126.7	9.15
		44.4	89.8	5.34	97.3	6.40	106.0	7.44	115.2	8.40	118.6	8.61	123.3	8.83	126.7	8.91
		53.3	89.8	5.26	97.3	6.34	106.0	7.35	115.2	8.31	118.6	8.53	123.3	8.75	126.7	8.80
70	50	14.2	78.7	1.32	85.1	1.54	92.8	1.78	100.8	2.01	103.8	2.09	107.8	2.14	110.8	2.15
		17.8	78.7	1.30	85.1	1.52	92.8	1.76	100.8	1.98	103.8	2.05	107.8	2.11	110.8	2.12
		35.5	78.7	1.21	85.1	1.41	92.8	1.65	100.8	1.88	103.8	1.92	107.8	1.97	110.8	2.00
		44.4	78.7	1.18	85.1	1.38	92.8	1.62	100.8	1.82	103.8	1.86	107.8	1.92	110.8	1.95
		53.3	78.7	1.17	85.1	1.37	92.8	1.61	100.8	1.80	103.8	1.84	107.8	1.89	110.8	1.92
	59	14.2	78.7	1.81	85.1	2.10	92.8	2.44	100.8	2.75	103.8	2.82	107.8	2.89	110.8	2.93
		17.8	78.7	1.77	85.1	2.06	92.8	2.40	100.8	2.71	103.8	2.78	107.8	2.85	110.8	2.89
		35.5	78.7	1.63	85.1	1.93	92.8	2.25	100.8	2.54	103.8	2.59	107.8	2.66	110.8	2.71
		44.4	78.7	1.59	85.1	1.88	92.8	2.20	100.8	2.48	103.8	2.54	107.8	2.61	110.8	2.64
		53.3	78.7	1.57	85.1	1.86	92.8	2.18	100.8	2.46	103.8	2.51	107.8	2.58	110.8	2.60
	67	14.2	78.7	2.24	85.1	2.60	92.8	3.02	100.8	3.40	103.8	3.47	107.8	3.56	110.8	3.63
		17.8	78.7	2.19	85.1	2.55	92.8	2.97	100.8	3.35	103.8	3.42	107.8	3.50	110.8	3.57
		35.5	78.7	2.01	85.1	2.39	92.8	2.78	100.8	3.13	103.8	3.19	107.8	3.28	110.8	3.33
		44.4	78.7	1.95	85.1	2.33	92.8	2.72	100.8	3.07	103.8	3.14	107.8	3.22	110.8	3.25
		53.3	78.7	1.93	85.1	2.30	92.8	2.69	100.8	3.04	103.8	3.11	107.8	3.19	110.8	3.21
	75	14.2	78.7	2.72	85.1	3.16	92.8	3.67	100.8	4.14	103.8	4.24	107.8	4.34	110.8	4.42
		17.8	78.7	2.66	85.1	3.11	92.8	3.61	100.8	4.07	103.8	4.17	107.8	4.27	110.8	4.35
		35.5	78.7	2.46	85.1	2.90	92.8	3.39	100.8	3.81	103.8	3.91	107.8	4.00	110.8	4.07
		44.4	78.7	2.39	85.1	2.85	92.8	3.32	100.8	3.74	103.8	3.82	107.8	3.92	110.8	3.96
		53.3	78.7	2.35	85.1	2.82	92.8	3.29	100.8	3.70	103.8	3.78	107.8	3.88	110.8	3.91
	86	14.2	78.7	3.35	85.1	3.89	92.8	4.52	100.8	5.09	103.8	5.22	107.8	5.34	110.8	5.45
		17.8	78.7	3.28	85.1	3.82	92.8	4.45	100.8	5.01	103.8	5.13	107.8	5.26	110.8	5.36
		35.5	78.7	3.01	85.1	3.57	92.8	4.16	100.8	4.69	103.8	4.80	107.8	4.92	110.8	5.01
		44.4	78.7	2.93	85.1	3.50	92.8	4.07	100.8	4.59	103.8	4.72	107.8	4.83	110.8	4.88
		53.3	78.7	2.89	85.1	3.47	92.8	4.03	100.8	4.54	103.8	4.67	107.8	4.78	110.8	4.82
	95	14.2	78.7	3.72	85.1	4.31	92.8	5.04	100.8	5.66	103.8	5.80	107.8	5.94	110.8	6.04
		17.8	78.7	3.64	85.1	4.24	92.8	4.95	100.8	5.57	103.8	5.71	107.8	5.85	110.8	5.94
		35.5	78.7	3.35	85.1	3.98	92.8	4.62	100.8	5.20	103.8	5.33	107.8	5.47	110.8	5.57
		44.4	78.7	3.25	85.1	3.88	92.8	4.53	100.8	5.11	103.8	5.23	107.8	5.37	110.8	5.43
		53.3	78.7	3.20	85.1	3.83	92.8	4.49	100.8	5.06	103.8	5.18	107.8	5.32	110.8	5.36
	104	14.2	78.7	4.40	85.1	5.10	92.8	5.95	100.8	6.71	103.8	6.86	107.8	7.03	110.8	7.16
		17.8	78.7	4.31	85.1	5.02	92.8	5.86	100.8	6.60	103.8	6.75	107.8	6.92	110.8	7.05
		35.5	78.7	3.96	85.1	4.70	92.8	5.48	100.8	6.17	103.8	6.32	107.8	6.47	110.8	6.60
		44.4	78.7	3.85	85.1	4.60	92.8	5.36	100.8	6.04	103.8	6.19	107.8	6.36	110.8	6.42
		53.3	78.7	3.79	85.1	4.55	92.8	5.29	100.8	5.98	103.8	6.13	107.8	6.31	110.8	6.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 144,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	14.2	78.7	5.08	85.1	5.90	92.8	6.87	100.8	7.76	103.8	7.92	107.8	8.12	110.8	8.28
		17.8	78.7	4.98	85.1	5.80	92.8	6.77	100.8	7.63	103.8	7.80	107.8	7.99	110.8	8.15
		35.5	78.7	4.58	85.1	5.43	92.8	6.35	100.8	7.13	103.8	7.31	107.8	7.48	110.8	7.63
		44.4	78.7	4.45	85.1	5.33	92.8	6.18	100.8	6.98	103.8	7.16	107.8	7.35	110.8	7.41
		53.3	78.7	4.39	85.1	5.28	92.8	6.10	100.8	6.90	103.8	7.08	107.8	7.29	110.8	7.30
60	50	14.2	67.4	1.05	73.0	1.23	79.4	1.41	86.3	1.62	89.0	1.67	92.5	1.69	95.0	1.71
		17.8	67.4	1.03	73.0	1.21	79.4	1.39	86.3	1.60	89.0	1.64	92.5	1.66	95.0	1.69
		35.5	67.4	0.95	73.0	1.13	79.4	1.33	86.3	1.49	89.0	1.52	92.5	1.57	95.0	1.60
		44.4	67.4	0.91	73.0	1.11	79.4	1.30	86.3	1.46	89.0	1.49	92.5	1.53	95.0	1.56
		53.3	67.4	0.89	73.0	1.11	79.4	1.29	86.3	1.45	89.0	1.48	92.5	1.51	95.0	1.54
	59	14.2	67.4	1.44	73.0	1.67	79.4	1.94	86.3	2.20	89.0	2.26	92.5	2.30	95.0	2.34
		17.8	67.4	1.41	73.0	1.65	79.4	1.91	86.3	2.16	89.0	2.22	92.5	2.26	95.0	2.30
		35.5	67.4	1.30	73.0	1.53	79.4	1.80	86.3	2.02	89.0	2.06	92.5	2.12	95.0	2.16
		44.4	67.4	1.26	73.0	1.51	79.4	1.76	86.3	1.98	89.0	2.02	92.5	2.08	95.0	2.11
		53.3	67.4	1.23	73.0	1.49	79.4	1.74	86.3	1.96	89.0	2.00	92.5	2.06	95.0	2.08
	67	14.2	67.4	1.78	73.0	2.07	79.4	2.41	86.3	2.71	89.0	2.78	92.5	2.84	95.0	2.89
		17.8	67.4	1.74	73.0	2.04	79.4	2.37	86.3	2.66	89.0	2.73	92.5	2.79	95.0	2.85
		35.5	67.4	1.60	73.0	1.90	79.4	2.22	86.3	2.50	89.0	2.55	92.5	2.61	95.0	2.66
		44.4	67.4	1.56	73.0	1.86	79.4	2.16	86.3	2.44	89.0	2.50	92.5	2.57	95.0	2.59
		53.3	67.4	1.54	73.0	1.83	79.4	2.13	86.3	2.41	89.0	2.47	92.5	2.55	95.0	2.56
	75	14.2	67.4	2.16	73.0	2.53	79.4	2.94	86.3	3.30	89.0	3.37	92.5	3.46	95.0	3.53
		17.8	67.4	2.12	73.0	2.48	79.4	2.89	86.3	3.25	89.0	3.32	92.5	3.40	95.0	3.47
		35.5	67.4	1.95	73.0	2.32	79.4	2.69	86.3	3.04	89.0	3.11	92.5	3.19	95.0	3.25
		44.4	67.4	1.90	73.0	2.26	79.4	2.64	86.3	2.97	89.0	3.06	92.5	3.13	95.0	3.17
		53.3	67.4	1.87	73.0	2.23	79.4	2.61	86.3	2.94	89.0	3.03	92.5	3.09	95.0	3.12
	86	14.2	67.4	2.66	73.0	3.09	79.4	3.60	86.3	4.05	89.0	4.15	92.5	4.25	95.0	4.34
		17.8	67.4	2.61	73.0	3.04	79.4	3.54	86.3	3.99	89.0	4.09	92.5	4.19	95.0	4.27
		35.5	67.4	2.40	73.0	2.85	79.4	3.32	86.3	3.74	89.0	3.82	92.5	3.92	95.0	3.99
		44.4	67.4	2.33	73.0	2.79	79.4	3.25	86.3	3.67	89.0	3.75	92.5	3.85	95.0	3.89
		53.3	67.4	2.29	73.0	2.76	79.4	3.22	86.3	3.63	89.0	3.72	92.5	3.82	95.0	3.84
	95	14.2	67.4	2.96	73.0	3.45	79.4	4.02	86.3	4.51	89.0	4.62	92.5	4.74	95.0	4.82
		17.8	67.4	2.90	73.0	3.39	79.4	3.95	86.3	4.44	89.0	4.55	92.5	4.66	95.0	4.74
		35.5	67.4	2.66	73.0	3.17	79.4	3.68	86.3	4.16	89.0	4.26	92.5	4.35	95.0	4.44
		44.4	67.4	2.59	73.0	3.10	79.4	3.61	86.3	4.07	89.0	4.17	92.5	4.28	95.0	4.32
		53.3	67.4	2.56	73.0	3.06	79.4	3.58	86.3	4.03	89.0	4.13	92.5	4.25	95.0	4.27
	104	14.2	67.4	3.50	73.0	4.07	79.4	4.75	86.3	5.35	89.0	5.47	92.5	5.60	95.0	5.71
		17.8	67.4	3.43	73.0	4.00	79.4	4.67	86.3	5.26	89.0	5.39	92.5	5.51	95.0	5.62
		35.5	67.4	3.17	73.0	3.75	79.4	4.37	86.3	4.91	89.0	5.04	92.5	5.16	95.0	5.26
		44.4	67.4	3.07	73.0	3.67	79.4	4.28	86.3	4.81	89.0	4.94	92.5	5.06	95.0	5.12
		53.3	67.4	3.02	73.0	3.63	79.4	4.24	86.3	4.76	89.0	4.89	92.5	5.02	95.0	5.05
	113	14.2	67.4	4.04	73.0	4.69	79.4	5.49	86.3	6.19	89.0	6.32	92.5	6.46	95.0	6.61
		17.8	67.4	3.96	73.0	4.62	79.4	5.40	86.3	6.08	89.0	6.22	92.5	6.36	95.0	6.50
		35.5	67.4	3.67	73.0	4.34	79.4	5.05	86.3	5.66	89.0	5.82	92.5	5.97	95.0	6.08
		44.4	67.4	3.54	73.0	4.24	79.4	4.95	86.3	5.55	89.0	5.71	92.5	5.85	95.0	5.92
		53.3	67.4	3.48	73.0	4.19	79.4	4.90	86.3	5.50	89.0	5.65	92.5	5.78	95.0	5.83
50	50	14.2	56.2	0.78	60.8	0.91	66.2	1.10	72.1	1.20	74.2	1.22	77.0	1.27	79.1	1.28
		17.8	56.2	0.76	60.8	0.90	66.2	1.08	72.1	1.18	74.2	1.21	77.0	1.25	79.1	1.26
		35.5	56.2	0.70	60.8	0.85	66.2	0.99	72.1	1.11	74.2	1.16	77.0	1.15	79.1	1.18
		44.4	56.2	0.68	60.8	0.85	66.2	0.97	72.1	1.09	74.2	1.10	77.0	1.14	79.1	1.14
		53.3	56.2	0.68	60.8	0.85	66.2	0.95	72.1	1.07	74.2	1.07	77.0	1.13	79.1	1.12
	59	14.2	56.2	1.07	60.8	1.25	66.2	1.46	72.1	1.63	74.2	1.67	77.0	1.72	79.1	1.74
		17.8	56.2	1.05	60.8	1.23	66.2	1.44	72.1	1.60	74.2	1.65	77.0	1.69	79.1	1.72
		35.5	56.2	0.96	60.8	1.14	66.2	1.34	72.1	1.51	74.2	1.55	77.0	1.58	79.1	1.60
		44.4	56.2	0.93	60.8	1.13	66.2	1.31	72.1	1.48	74.2	1.51	77.0	1.55	79.1	1.56
		53.3	56.2	0.92	60.8	1.12	66.2	1.30	72.1	1.46	74.2	1.49	77.0	1.53	79.1	1.54

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM144BAS5

144,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	67	14.2	56.2	1.32	60.8	1.55	66.2	1.79	72.1	2.01	74.2	2.07	77.0	2.11	79.1	2.16
		17.8	56.2	1.30	60.8	1.52	66.2	1.76	72.1	1.98	74.2	2.04	77.0	2.08	79.1	2.12
		35.5	56.2	1.20	60.8	1.41	66.2	1.65	72.1	1.86	74.2	1.90	77.0	1.95	79.1	1.98
		44.4	56.2	1.16	60.8	1.38	66.2	1.62	72.1	1.83	74.2	1.87	77.0	1.91	79.1	1.94
		53.3	56.2	1.14	60.8	1.37	66.2	1.60	72.1	1.81	74.2	1.86	77.0	1.89	79.1	1.92
	75	14.2	56.2	1.61	60.8	1.87	66.2	2.18	72.1	2.47	74.2	2.53	77.0	2.58	79.1	2.62
		17.8	56.2	1.58	60.8	1.84	66.2	2.15	72.1	2.43	74.2	2.48	77.0	2.54	79.1	2.58
		35.5	56.2	1.45	60.8	1.73	66.2	2.01	72.1	2.26	74.2	2.32	77.0	2.37	79.1	2.43
		44.4	56.2	1.41	60.8	1.69	66.2	1.97	72.1	2.22	74.2	2.27	77.0	2.33	79.1	2.36
		53.3	56.2	1.39	60.8	1.67	66.2	1.95	72.1	2.20	74.2	2.25	77.0	2.31	79.1	2.32
	86	14.2	56.2	2.00	60.8	2.31	66.2	2.70	72.1	3.03	74.2	3.11	77.0	3.17	79.1	3.23
		17.8	56.2	1.95	60.8	2.27	66.2	2.65	72.1	2.99	74.2	3.06	77.0	3.13	79.1	3.18
		35.5	56.2	1.79	60.8	2.12	66.2	2.47	72.1	2.79	74.2	2.85	77.0	2.93	79.1	2.97
		44.4	56.2	1.74	60.8	2.08	66.2	2.43	72.1	2.73	74.2	2.80	77.0	2.87	79.1	2.90
		53.3	56.2	1.72	60.8	2.06	66.2	2.41	72.1	2.71	74.2	2.78	77.0	2.85	79.1	2.87
	95	14.2	56.2	2.20	60.8	2.57	66.2	2.99	72.1	3.36	74.2	3.45	77.0	3.53	79.1	3.59
		17.8	56.2	2.16	60.8	2.53	66.2	2.94	72.1	3.31	74.2	3.39	77.0	3.47	79.1	3.53
		35.5	56.2	2.00	60.8	2.36	66.2	2.75	72.1	3.10	74.2	3.17	77.0	3.25	79.1	3.31
		44.4	56.2	1.94	60.8	2.32	66.2	2.69	72.1	3.04	74.2	3.11	77.0	3.19	79.1	3.22
		53.3	56.2	1.91	60.8	2.29	66.2	2.66	72.1	3.01	74.2	3.08	77.0	3.17	79.1	3.18
	104	14.2	56.2	2.62	60.8	3.03	66.2	3.55	72.1	3.98	74.2	4.08	77.0	4.18	79.1	4.25
		17.8	56.2	2.57	60.8	2.99	66.2	3.49	72.1	3.92	74.2	4.02	77.0	4.12	79.1	4.19
		35.5	56.2	2.36	60.8	2.79	66.2	3.25	72.1	3.67	74.2	3.75	77.0	3.85	79.1	3.92
		44.4	56.2	2.29	60.8	2.73	66.2	3.19	72.1	3.60	74.2	3.68	77.0	3.78	79.1	3.81
		53.3	56.2	2.25	60.8	2.71	66.2	3.17	72.1	3.56	74.2	3.65	77.0	3.75	79.1	3.75
	113	14.2	56.2	3.04	60.8	3.50	66.2	4.10	72.1	4.61	74.2	4.72	77.0	4.83	79.1	4.92
		17.8	56.2	2.97	60.8	3.45	66.2	4.03	72.1	4.53	74.2	4.65	77.0	4.76	79.1	4.84
		35.5	56.2	2.72	60.8	3.22	66.2	3.75	72.1	4.24	74.2	4.34	77.0	4.45	79.1	4.53
		44.4	56.2	2.64	60.8	3.15	66.2	3.70	72.1	4.16	74.2	4.26	77.0	4.37	79.1	4.39
		53.3	56.2	2.59	60.8	3.12	66.2	3.67	72.1	4.12	74.2	4.21	77.0	4.32	79.1	4.32

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



### 168,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	50	18.3	156.2	3.56	169.2	4.17	184.1	4.86	200.1	5.45	206.2	5.57	214.3	5.75	220.2	5.83
		26.4	156.2	3.49	169.2	4.10	184.1	4.78	200.1	5.36	206.2	5.49	214.3	5.66	220.2	5.75
		45.7	156.2	3.24	169.2	3.80	184.1	4.44	200.1	5.01	206.2	5.16	214.3	5.27	220.2	5.40
		57.2	156.2	3.15	169.2	3.75	184.1	4.37	200.1	4.90	206.2	5.05	214.3	5.18	220.2	5.25
		68.6	156.2	3.06	169.2	3.70	184.1	4.30	200.1	4.79	206.2	4.94	214.3	5.09	220.2	5.10
	59	18.3	153.6	4.69	166.4	5.47	181.1	6.37	196.9	7.16	202.9	7.33	210.7	7.52	216.7	7.65
		26.4	153.6	4.60	166.4	5.38	181.1	6.27	196.9	7.04	202.9	7.21	210.7	7.40	216.7	7.54
		45.7	153.6	4.24	166.4	5.02	181.1	5.85	196.9	6.59	202.9	6.76	210.7	6.93	216.7	7.08
		57.2	153.6	4.13	166.4	4.92	181.1	5.74	196.9	6.46	202.9	6.63	210.7	6.80	216.7	6.91
		68.6	153.6	4.02	166.4	4.82	181.1	5.63	196.9	6.33	202.9	6.50	210.7	6.67	216.7	6.74
	67	18.3	151.4	5.70	164.0	6.62	178.5	7.72	194.1	8.68	199.9	8.89	207.6	9.09	213.5	9.27
		26.4	151.4	5.59	164.0	6.51	178.5	7.59	194.1	8.54	199.9	8.75	207.6	8.96	213.5	9.13
		45.7	151.4	5.13	164.0	6.10	178.5	7.10	194.1	7.99	199.9	8.18	207.6	8.41	213.5	8.58
		57.2	151.4	5.00	164.0	5.96	178.5	6.95	194.1	7.84	199.9	8.03	207.6	8.24	213.5	8.39
		68.6	151.4	4.87	164.0	5.82	178.5	6.80	194.1	7.69	199.9	7.88	207.6	8.07	213.5	8.20
	75	18.3	151.4	7.03	164.0	8.16	178.5	9.51	194.1	10.72	199.9	10.97	207.6	11.23	213.5	11.42
		26.4	151.4	6.89	164.0	8.03	178.5	9.35	194.1	10.55	199.9	10.79	207.6	11.06	213.5	11.25
		45.7	151.4	6.34	164.0	7.52	178.5	8.75	194.1	9.85	199.9	10.09	207.6	10.38	213.5	10.57
		57.2	151.4	6.15	164.0	7.35	178.5	8.58	194.1	9.66	199.9	9.90	207.6	10.17	213.5	10.34
		68.6	151.4	5.96	164.0	7.18	178.5	8.41	194.1	9.47	199.9	9.71	207.6	9.96	213.5	10.11
	86	18.3	151.4	8.45	164.0	9.80	178.5	11.41	194.1	12.86	199.9	13.16	207.6	13.48	213.5	13.71
		26.4	151.4	8.27	164.0	9.64	178.5	11.23	194.1	12.65	199.9	12.95	207.6	13.27	213.5	13.50
		45.7	151.4	7.59	164.0	9.01	178.5	10.51	194.1	11.82	199.9	12.12	207.6	12.44	213.5	12.69
		57.2	151.4	7.38	164.0	8.82	178.5	10.28	194.1	11.59	199.9	11.89	207.6	12.19	213.5	12.40
		68.6	151.4	7.17	164.0	8.63	178.5	10.05	194.1	11.36	199.9	11.66	207.6	11.94	213.5	12.11
	95	18.3	136.3	8.52	147.5	9.91	160.6	11.55	174.7	12.99	179.9	13.32	186.9	13.64	192.2	13.86
		26.4	136.3	8.35	147.5	9.75	160.6	11.36	174.7	12.78	179.9	13.10	186.9	13.42	192.2	13.65
		45.7	136.3	7.69	147.5	9.11	160.6	10.62	174.7	11.97	179.9	12.25	186.9	12.57	192.2	12.84
		57.2	136.3	7.48	147.5	8.92	160.6	10.40	174.7	11.72	179.9	12.02	186.9	12.33	192.2	12.53
		68.6	136.3	7.27	147.5	8.73	160.6	10.18	174.7	11.47	179.9	11.79	186.9	12.09	192.2	12.22
	104	18.3	121.1	9.01	131.2	10.45	142.8	12.18	155.2	13.70	159.9	14.02	166.1	14.36	170.8	14.63
		26.4	121.1	8.82	131.2	10.28	142.8	11.99	155.2	13.48	159.9	13.80	166.1	14.14	170.8	14.41
		45.7	121.1	8.10	131.2	9.62	142.8	11.21	155.2	12.61	159.9	12.93	166.1	13.27	170.8	13.54
		57.2	121.1	7.88	131.2	9.41	142.8	10.96	155.2	12.36	159.9	12.69	166.1	13.01	170.8	13.24
		68.6	121.1	7.66	131.2	9.20	142.8	10.71	155.2	12.11	159.9	12.45	166.1	12.75	170.8	12.94
	113	18.3	105.8	9.49	114.9	10.98	124.9	12.82	135.8	14.42	140.0	14.73	145.2	15.09	149.4	15.40
		26.4	105.8	9.30	114.9	10.81	124.9	12.61	135.8	14.18	140.0	14.50	145.2	14.86	149.4	15.17
		45.7	105.8	8.52	114.9	10.13	124.9	11.80	135.8	13.25	140.0	13.61	145.2	13.97	149.4	14.24
		57.2	105.8	8.27	114.9	9.90	124.9	11.53	135.8	13.01	140.0	13.35	145.2	13.69	149.4	13.94
		68.6	105.8	8.02	114.9	9.67	124.9	11.26	135.8	12.77	140.0	13.09	145.2	13.41	149.4	13.64
120	50	18.3	147.9	3.39	160.0	3.96	174.4	4.58	189.4	5.16	195.0	5.32	202.8	5.45	208.4	5.51
		26.4	147.9	3.33	160.0	3.89	174.4	4.51	189.4	5.08	195.0	5.23	202.8	5.36	208.4	5.43
		45.7	147.9	3.05	160.0	3.64	174.4	4.24	189.4	4.75	195.0	4.86	202.8	4.99	208.4	5.10
		57.2	147.9	2.96	160.0	3.52	174.4	4.15	189.4	4.64	195.0	4.79	202.8	4.90	208.4	4.99
		68.6	147.9	2.87	160.0	3.40	174.4	4.06	189.4	4.53	195.0	4.72	202.8	4.81	208.4	4.88
	59	18.3	146.1	4.50	158.2	5.24	172.4	6.08	187.3	6.85	192.9	7.03	200.4	7.20	206.0	7.31
		26.4	146.1	4.41	158.2	5.15	172.4	5.98	187.3	6.74	192.9	6.91	200.4	7.08	206.0	7.20
		45.7	146.1	4.05	158.2	4.81	172.4	5.60	187.3	6.31	192.9	6.46	200.4	6.63	206.0	6.76
		57.2	146.1	3.94	158.2	4.70	172.4	5.49	187.3	6.17	192.9	6.34	200.4	6.49	206.0	6.61
		68.6	146.1	3.83	158.2	4.59	172.4	5.38	187.3	6.03	192.9	6.22	200.4	6.35	206.0	6.46
	67	18.3	144.5	5.49	156.6	6.37	170.6	7.41	185.3	8.35	190.9	8.54	198.3	8.75	203.9	8.90
		26.4	144.5	5.38	156.6	6.27	170.6	7.29	185.3	8.22	190.9	8.41	198.3	8.62	203.9	8.77
		45.7	144.5	4.94	156.6	5.85	170.6	6.82	185.3	7.69	190.9	7.88	198.3	8.09	203.9	8.24
		57.2	144.5	4.81	156.6	5.74	170.6	6.68	185.3	7.54	190.9	7.73	198.3	7.91	203.9	8.05
		68.6	144.5	4.68	156.6	5.63	170.6	6.54	185.3	7.39	190.9	7.58	198.3	7.73	203.9	7.86

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM168BAS5

168,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	18.3	144.5	6.74	156.6	7.84	170.6	9.12	185.3	10.25	190.9	10.51	198.3	10.78	203.9	10.96
		26.4	144.5	6.61	156.6	7.71	170.6	8.97	185.3	10.09	190.9	10.34	198.3	10.60	203.9	10.79
		45.7	144.5	6.08	156.6	7.20	170.6	8.39	185.3	9.45	190.9	9.68	198.3	9.92	203.9	10.13
		57.2	144.5	5.91	156.6	7.04	170.6	8.22	185.3	9.26	190.9	9.49	198.3	9.73	203.9	9.88
		68.6	144.5	5.74	156.6	6.88	170.6	8.05	185.3	9.07	190.9	9.30	198.3	9.54	203.9	9.63
	86	18.3	144.5	8.13	156.6	9.47	170.6	11.03	185.3	12.41	190.9	12.70	198.3	13.02	203.9	13.25
		26.4	144.5	7.97	156.6	9.32	170.6	10.85	185.3	12.21	190.9	12.50	198.3	12.82	203.9	13.05
		45.7	144.5	7.35	156.6	8.71	170.6	10.13	185.3	11.42	190.9	11.70	198.3	12.00	203.9	12.23
		57.2	144.5	7.14	156.6	8.52	170.6	9.92	185.3	11.19	190.9	11.47	198.3	11.78	203.9	11.95
		68.6	144.5	6.93	156.6	8.33	170.6	9.71	185.3	10.96	190.9	11.24	198.3	11.56	203.9	11.67
	95	18.3	132.3	8.35	143.3	9.70	156.1	11.30	169.6	12.72	174.7	13.03	181.5	13.33	186.6	13.58
		26.4	132.3	8.18	143.3	9.54	156.1	11.11	169.6	12.52	174.7	12.82	181.5	13.12	186.6	13.37
		45.7	132.3	7.52	143.3	8.92	156.1	10.40	169.6	11.70	174.7	11.99	181.5	12.31	186.6	12.53
		57.2	132.3	7.31	143.3	8.73	156.1	10.19	169.6	11.47	174.7	11.76	181.5	12.06	186.6	12.25
		68.6	132.3	7.10	143.3	8.54	156.1	9.98	169.6	11.24	174.7	11.53	181.5	11.81	186.6	11.97
	104	18.3	120.0	8.98	130.0	10.43	141.5	12.16	154.0	13.68	158.5	14.01	164.7	14.35	169.2	14.61
		26.4	120.0	8.80	130.0	10.26	141.5	11.97	154.0	13.46	158.5	13.78	164.7	14.13	169.2	14.39
		45.7	120.0	8.10	130.0	9.60	141.5	11.19	154.0	12.59	158.5	12.89	164.7	13.24	169.2	13.50
		57.2	120.0	7.88	130.0	9.39	141.5	10.96	154.0	12.35	158.5	12.67	164.7	12.99	169.2	13.18
		68.6	120.0	7.66	130.0	9.18	141.5	10.73	154.0	12.11	158.5	12.45	164.7	12.74	169.2	12.86
	113	18.3	107.7	9.62	116.7	11.16	127.0	13.03	138.4	14.64	142.4	14.99	147.9	15.37	151.9	15.65
		26.4	107.7	9.43	116.7	10.98	127.0	12.82	138.4	14.41	142.4	14.75	147.9	15.13	151.9	15.41
		45.7	107.7	8.69	116.7	10.28	127.0	11.99	138.4	13.48	142.4	13.80	147.9	14.16	151.9	14.47
		57.2	107.7	8.44	116.7	10.05	127.0	11.74	138.4	13.22	142.4	13.58	147.9	13.92	151.9	14.11
		68.6	107.7	8.19	116.7	9.82	127.0	11.49	138.4	12.96	142.4	13.36	147.9	13.68	151.9	13.75

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM168BAS5

168,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	50	18.3	139.4	3.20	151.1	3.71	164.4	4.34	178.6	4.88	183.9	4.98	191.3	5.14	196.3	5.21
		26.4	139.4	3.14	151.1	3.65	164.4	4.27	178.6	4.80	183.9	4.91	191.3	5.06	196.3	5.13
		45.7	139.4	2.88	151.1	3.41	164.4	3.98	178.6	4.49	183.9	4.62	191.3	4.73	196.3	4.80
		57.2	139.4	2.81	151.1	3.34	164.4	3.88	178.6	4.42	183.9	4.49	191.3	4.63	196.3	4.69
		68.6	139.4	2.74	151.1	3.27	164.4	3.78	178.6	4.35	183.9	4.36	191.3	4.53	196.3	4.58
	59	18.3	138.6	4.29	150.1	4.99	163.4	5.81	177.6	6.54	182.9	6.69	190.1	6.87	195.3	6.98
		26.4	138.6	4.20	150.1	4.90	163.4	5.72	177.6	6.44	182.9	6.59	190.1	6.76	195.3	6.87
		45.7	138.6	3.86	150.1	4.58	163.4	5.34	177.6	6.02	182.9	6.17	190.1	6.32	195.3	6.44
		57.2	138.6	3.77	150.1	4.49	163.4	5.23	177.6	5.91	182.9	6.04	190.1	6.21	195.3	6.29
		68.6	138.6	3.68	150.1	4.40	163.4	5.12	177.6	5.80	182.9	5.91	190.1	6.10	195.3	6.14
	67	18.3	137.9	5.26	149.3	6.12	162.6	7.12	176.8	8.02	182.0	8.22	189.0	8.41	194.5	8.56
		26.4	137.9	5.15	149.3	6.02	162.6	7.01	176.8	7.90	182.0	8.09	189.0	8.27	194.5	8.43
		45.7	137.9	4.73	149.3	5.62	162.6	6.55	176.8	7.38	182.0	7.55	189.0	7.74	194.5	7.90
		57.2	137.9	4.62	149.3	5.51	162.6	6.42	176.8	7.23	182.0	7.42	189.0	7.61	194.5	7.71
		68.6	137.9	4.51	149.3	5.40	162.6	6.29	176.8	7.08	182.0	7.29	189.0	7.48	194.5	7.52
	75	18.3	137.9	6.43	149.3	7.49	162.6	8.72	176.8	9.81	182.0	10.04	189.0	10.29	194.5	10.48
		26.4	137.9	6.31	149.3	7.37	162.6	8.58	176.8	9.66	182.0	9.88	189.0	10.13	194.5	10.32
		45.7	137.9	5.81	149.3	6.89	162.6	8.03	176.8	9.03	182.0	9.26	189.0	9.49	194.5	9.68
		57.2	137.9	5.64	149.3	6.74	162.6	7.86	176.8	8.86	182.0	9.07	189.0	9.32	194.5	9.43
		68.6	137.9	5.47	149.3	6.59	162.6	7.69	176.8	8.69	182.0	8.88	189.0	9.15	194.5	9.18
	86	18.3	137.9	7.84	149.3	9.12	162.6	10.62	176.8	11.97	182.0	12.26	189.0	12.54	194.5	12.77
		26.4	137.9	7.69	149.3	8.97	162.6	10.45	176.8	11.78	182.0	12.06	189.0	12.35	194.5	12.57
		45.7	137.9	7.08	149.3	8.39	162.6	9.77	176.8	11.00	182.0	11.28	189.0	11.57	194.5	11.78
		57.2	137.9	6.89	149.3	8.22	162.6	9.58	176.8	10.79	182.0	11.06	189.0	11.34	194.5	11.49
		68.6	137.9	6.70	149.3	8.05	162.6	9.39	176.8	10.58	182.0	10.84	189.0	11.11	194.5	11.20
	95	18.3	128.4	8.17	139.1	9.49	151.5	11.05	164.7	12.45	169.6	12.74	176.2	13.04	181.1	13.29
		26.4	128.4	8.01	139.1	9.33	151.5	10.87	164.7	12.25	169.6	12.53	176.2	12.84	181.1	13.08
		45.7	128.4	7.37	139.1	8.73	151.5	10.17	164.7	11.46	169.6	11.72	176.2	12.02	181.1	12.25
		57.2	128.4	7.16	139.1	8.54	151.5	9.96	164.7	11.23	169.6	11.51	176.2	11.80	181.1	11.95
		68.6	128.4	6.95	139.1	8.35	151.5	9.75	164.7	11.00	169.6	11.30	176.2	11.58	181.1	11.65

Performance Data

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM168BAS5

168,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	18.3	118.9	8.96	128.9	10.43	140.3	12.14	152.6	13.66	157.1	13.99	163.3	14.33	167.8	14.60
		26.4	118.9	8.79	128.9	10.26	140.3	11.95	152.6	13.44	157.1	13.77	163.3	14.11	167.8	14.37
		45.7	118.9	8.09	128.9	9.58	140.3	11.17	152.6	12.57	157.1	12.88	163.3	13.22	167.8	13.46
		57.2	118.9	7.86	128.9	9.37	140.3	10.94	152.6	12.33	157.1	12.65	163.3	12.97	167.8	13.12
		68.6	118.9	7.63	128.9	9.16	140.3	10.71	152.6	12.09	157.1	12.42	163.3	12.72	167.8	12.78
	113	18.3	109.5	9.75	118.8	11.38	129.1	13.24	140.5	14.88	144.7	15.24	150.3	15.62	154.5	15.91
		26.4	109.5	9.56	118.8	11.19	129.1	13.03	140.5	14.64	144.7	15.00	150.3	15.37	154.5	15.66
		45.7	109.5	8.80	118.8	10.43	129.1	12.17	140.5	13.69	144.7	14.03	150.3	14.41	154.5	14.67
		57.2	109.5	8.56	118.8	10.21	129.1	11.93	140.5	13.42	144.7	13.78	150.3	14.14	154.5	14.30
		68.6	109.5	8.32	118.8	9.99	129.1	11.69	140.5	13.15	144.7	13.53	150.3	13.87	154.5	13.93
100	50	18.3	131.0	3.03	141.9	3.52	154.5	4.04	168.0	4.61	173.1	4.67	179.7	4.83	184.8	4.93
		26.4	131.0	2.97	141.9	3.46	154.5	3.99	168.0	4.54	173.1	4.61	179.7	4.75	184.8	4.85
		45.7	131.0	2.73	141.9	3.22	154.5	3.75	168.0	4.25	173.1	4.34	179.7	4.44	184.8	4.54
		57.2	131.0	2.64	141.9	3.15	154.5	3.66	168.0	4.15	173.1	4.24	179.7	4.35	184.8	4.39
		68.6	131.0	2.55	141.9	3.08	154.5	3.57	168.0	4.05	173.1	4.14	179.7	4.26	184.8	4.24
	59	18.3	131.0	4.10	141.9	4.75	154.5	5.52	168.0	6.24	173.1	6.37	179.7	6.54	184.8	6.66
		26.4	131.0	4.01	141.9	4.68	154.5	5.43	168.0	6.13	173.1	6.27	179.7	6.44	184.8	6.55
		45.7	131.0	3.69	141.9	4.37	154.5	5.09	168.0	5.74	173.1	5.87	179.7	6.02	184.8	6.13
		57.2	131.0	3.58	141.9	4.28	154.5	4.98	168.0	5.62	173.1	5.76	179.7	5.91	184.8	5.96
		68.6	131.0	3.47	141.9	4.19	154.5	4.87	168.0	5.50	173.1	5.65	179.7	5.80	184.8	5.79
	67	18.3	131.0	5.04	141.9	5.85	154.5	6.83	168.0	7.68	173.1	7.87	179.7	8.06	184.8	8.20
		26.4	131.0	4.94	141.9	5.76	154.5	6.72	168.0	7.55	173.1	7.74	179.7	7.93	184.8	8.07
		45.7	131.0	4.54	141.9	5.40	154.5	6.29	168.0	7.06	173.1	7.23	179.7	7.42	184.8	7.55
		57.2	131.0	4.41	141.9	5.28	154.5	6.15	168.0	6.93	173.1	7.10	179.7	7.29	184.8	7.37
		68.6	131.0	4.28	141.9	5.16	154.5	6.01	168.0	6.80	173.1	6.97	179.7	7.16	184.8	7.19
	75	18.3	131.0	6.14	141.9	7.14	154.5	8.31	168.0	9.37	173.1	9.61	179.7	9.83	184.8	10.00
		26.4	131.0	6.02	141.9	7.02	154.5	8.18	168.0	9.22	173.1	9.45	179.7	9.68	184.8	9.85
		45.7	131.0	5.55	141.9	6.57	154.5	7.65	168.0	8.62	173.1	8.82	179.7	9.05	184.8	9.22
		57.2	131.0	5.40	141.9	6.44	154.5	7.50	168.0	8.44	173.1	8.65	179.7	8.88	184.8	8.97
		68.6	131.0	5.25	141.9	6.31	154.5	7.35	168.0	8.26	173.1	8.48	179.7	8.71	184.8	8.72
	86	18.3	131.0	7.55	141.9	8.80	154.5	10.24	168.0	11.53	173.1	11.80	179.7	12.08	184.8	12.31
		26.4	131.0	7.40	141.9	8.65	154.5	10.07	168.0	11.34	173.1	11.61	179.7	11.89	184.8	12.12
		45.7	131.0	6.82	141.9	8.09	154.5	9.41	168.0	10.60	173.1	10.85	179.7	11.13	184.8	11.34
		57.2	131.0	6.63	141.9	7.91	154.5	9.22	168.0	10.40	173.1	10.66	179.7	10.93	184.8	11.04
		68.6	131.0	6.44	141.9	7.73	154.5	9.03	168.0	10.20	173.1	10.47	179.7	10.73	184.8	10.74
	95	18.3	124.6	7.98	134.9	9.27	146.8	10.79	159.6	12.16	164.3	12.45	170.8	12.75	175.5	12.99
		26.4	124.6	7.82	134.9	9.13	146.8	10.62	159.6	11.97	164.3	12.25	170.8	12.55	175.5	12.78
		45.7	124.6	7.20	134.9	8.54	146.8	9.94	159.6	11.19	164.3	11.46	170.8	11.76	175.5	11.97
		57.2	124.6	7.01	134.9	8.35	146.8	9.73	159.6	10.98	164.3	11.25	170.8	11.53	175.5	11.64
		68.6	124.6	6.82	134.9	8.16	146.8	9.52	159.6	10.77	164.3	11.04	170.8	11.30	175.5	11.31
	104	18.3	117.9	8.97	127.7	10.41	139.1	12.12	151.2	13.64	155.7	13.97	161.9	14.32	166.2	14.56
		26.4	117.9	8.79	127.7	10.24	139.1	11.93	151.2	13.42	155.7	13.75	161.9	14.09	166.2	14.33
		45.7	117.9	8.07	127.7	9.58	139.1	11.15	151.2	12.55	155.7	12.86	161.9	13.18	166.2	13.42
		57.2	117.9	7.86	127.7	9.37	139.1	10.93	151.2	12.31	155.7	12.61	161.9	12.93	166.2	13.06
		68.6	117.9	7.65	127.7	9.16	139.1	10.71	151.2	12.07	155.7	12.36	161.9	12.68	166.2	12.70
	113	18.3	111.2	9.96	120.5	11.55	131.4	13.46	142.8	15.13	147.2	15.49	152.9	15.88	157.0	16.14
		26.4	111.2	9.75	120.5	11.36	131.4	13.24	142.8	14.88	147.2	15.24	152.9	15.62	157.0	15.89
		45.7	111.2	8.94	120.5	10.62	131.4	12.36	142.8	13.92	147.2	14.26	152.9	14.60	157.0	14.88
		57.2	111.2	8.71	120.5	10.40	131.4	12.12	142.8	13.63	147.2	13.97	152.9	14.33	157.0	14.48
		68.6	111.2	8.48	120.5	10.18	131.4	11.88	142.8	13.34	147.2	13.68	152.9	14.06	157.0	14.08
90	50	18.3	117.9	2.58	127.7	2.99	139.1	3.50	151.2	3.96	155.7	4.03	161.9	4.11	166.2	4.24
		26.4	117.9	2.53	127.7	2.95	139.1	3.44	151.2	3.90	155.7	3.97	161.9	4.06	166.2	4.17
		45.7	117.9	2.35	127.7	2.79	139.1	3.22	151.2	3.66	155.7	3.73	161.9	3.85	166.2	3.90
		57.2	117.9	2.28	127.7	2.69	139.1	3.17	151.2	3.55	155.7	3.66	161.9	3.77	166.2	3.77
		68.6	117.9	2.21	127.7	2.59	139.1	3.12	151.2	3.44	155.7	3.59	161.9	3.69	166.2	3.64

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	59	18.3	117.9	3.51	127.7	4.08	139.1	4.75	151.2	5.37	155.7	5.48	161.9	5.61	166.2	5.73
		26.4	117.9	3.45	127.7	4.01	139.1	4.68	151.2	5.28	155.7	5.40	161.9	5.53	166.2	5.64
		45.7	117.9	3.18	127.7	3.77	139.1	4.37	151.2	4.94	155.7	5.06	161.9	5.19	166.2	5.28
		57.2	117.9	3.09	127.7	3.67	139.1	4.30	151.2	4.83	155.7	4.96	161.9	5.09	166.2	5.13
		68.6	117.9	3.00	127.7	3.57	139.1	4.23	151.2	4.72	155.7	4.86	161.9	4.99	166.2	4.98
	67	18.3	117.9	4.35	127.7	5.04	139.1	5.87	151.2	6.62	155.7	6.77	161.9	6.95	166.2	7.06
		26.4	117.9	4.26	127.7	4.96	139.1	5.78	151.2	6.51	155.7	6.66	161.9	6.84	166.2	6.95
		45.7	117.9	3.92	127.7	4.64	139.1	5.40	151.2	6.08	155.7	6.23	161.9	6.38	166.2	6.51
		57.2	117.9	3.81	127.7	4.54	139.1	5.30	151.2	5.96	155.7	6.12	161.9	6.27	166.2	6.34
		68.6	117.9	3.70	127.7	4.44	139.1	5.20	151.2	5.84	155.7	6.01	161.9	6.16	166.2	6.17
	75	18.3	117.9	5.29	127.7	6.16	139.1	7.16	151.2	8.06	155.7	8.26	161.9	8.47	166.2	8.62
		26.4	117.9	5.19	127.7	6.06	139.1	7.04	151.2	7.93	155.7	8.12	161.9	8.33	166.2	8.48
		45.7	117.9	4.77	127.7	5.66	139.1	6.59	151.2	7.42	155.7	7.59	161.9	7.80	166.2	7.93
		57.2	117.9	4.64	127.7	5.53	139.1	6.46	151.2	7.27	155.7	7.46	161.9	7.65	166.2	7.73
		68.6	117.9	4.51	127.7	5.40	139.1	6.33	151.2	7.12	155.7	7.33	161.9	7.50	166.2	7.53
	86	18.3	117.9	6.51	127.7	7.57	139.1	8.82	151.2	9.93	155.7	10.16	161.9	10.41	166.2	10.61
		26.4	117.9	6.38	127.7	7.44	139.1	8.67	151.2	9.77	155.7	10.00	161.9	10.24	166.2	10.43
		45.7	117.9	5.87	127.7	6.95	139.1	8.10	151.2	9.13	155.7	9.35	161.9	9.58	166.2	9.75
		57.2	117.9	5.70	127.7	6.82	139.1	7.93	151.2	8.96	155.7	9.16	161.9	9.41	166.2	9.51
		68.6	117.9	5.53	127.7	6.69	139.1	7.76	151.2	8.79	155.7	8.97	161.9	9.24	166.2	9.27
	95	18.3	114.7	7.04	124.2	8.16	135.2	9.51	147.0	10.70	151.4	10.95	157.3	11.22	161.7	11.43
		26.4	114.7	6.89	124.2	8.03	135.2	9.35	147.0	10.53	151.4	10.77	157.3	11.04	161.7	11.25
		45.7	114.7	6.32	124.2	7.50	135.2	8.75	147.0	9.85	151.4	10.07	157.3	10.34	161.7	10.53
		57.2	114.7	6.15	124.2	7.35	135.2	8.56	147.0	9.66	151.4	9.90	157.3	10.15	161.7	10.24
		68.6	114.7	5.98	124.2	7.20	135.2	8.37	147.0	9.47	151.4	9.73	157.3	9.96	161.7	9.95
	104	18.3	111.4	8.08	120.7	9.37	131.4	10.91	142.8	12.30	147.2	12.58	152.8	12.89	157.1	13.12
		26.4	111.4	7.91	120.7	9.22	131.4	10.74	142.8	12.10	147.2	12.38	152.8	12.69	157.1	12.91
		45.7	111.4	7.27	120.7	8.62	131.4	10.05	142.8	11.30	147.2	11.59	152.8	11.87	157.1	12.10
		57.2	111.4	7.06	120.7	8.44	131.4	9.85	142.8	11.10	147.2	11.36	152.8	11.66	157.1	11.78
		68.6	111.4	6.85	120.7	8.26	131.4	9.65	142.8	10.90	147.2	11.13	152.8	11.45	157.1	11.46
	113	18.3	108.1	9.12	117.2	10.59	127.5	12.31	138.6	13.90	142.9	14.22	148.2	14.57	152.6	14.81
		26.4	108.1	8.94	117.2	10.41	127.5	12.12	138.6	13.67	142.9	13.99	148.2	14.33	152.6	14.58
		45.7	108.1	8.22	117.2	9.73	127.5	11.36	138.6	12.76	142.9	13.10	148.2	13.41	152.6	13.67
		57.2	108.1	7.97	117.2	9.54	127.5	11.13	138.6	12.53	142.9	12.82	148.2	13.18	152.6	13.31
		68.6	108.1	7.72	117.2	9.35	127.5	10.90	138.6	12.30	142.9	12.54	148.2	12.95	152.6	12.95
80	50	18.3	104.8	2.20	113.5	2.51	123.7	2.92	134.4	3.34	138.4	3.38	143.8	3.49	147.9	3.51
		26.4	104.8	2.15	113.5	2.48	123.7	2.88	134.4	3.28	138.4	3.33	143.8	3.42	147.9	3.46
		45.7	104.8	1.95	113.5	2.35	123.7	2.71	134.4	3.04	138.4	3.13	143.8	3.19	147.9	3.24
		57.2	104.8	1.93	113.5	2.28	123.7	2.66	134.4	2.99	138.4	3.04	143.8	3.13	147.9	3.17
		68.6	104.8	1.91	113.5	2.21	123.7	2.61	134.4	2.94	138.4	2.95	143.8	3.07	147.9	3.10
	59	18.3	104.8	2.96	113.5	3.42	123.7	3.98	134.4	4.51	138.4	4.60	143.8	4.72	147.9	4.79
		26.4	104.8	2.90	113.5	3.37	123.7	3.92	134.4	4.43	138.4	4.53	143.8	4.64	147.9	4.71
		45.7	104.8	2.65	113.5	3.16	123.7	3.67	134.4	4.13	138.4	4.24	143.8	4.34	147.9	4.41
		57.2	104.8	2.59	113.5	3.09	123.7	3.60	134.4	4.05	138.4	4.15	143.8	4.26	147.9	4.30
		68.6	104.8	2.53	113.5	3.02	123.7	3.53	134.4	3.97	138.4	4.06	143.8	4.18	147.9	4.19
	67	18.3	104.8	3.63	113.5	4.24	123.7	4.93	134.4	5.54	138.4	5.68	143.8	5.81	147.9	5.93
		26.4	104.8	3.56	113.5	4.17	123.7	4.85	134.4	5.45	138.4	5.59	143.8	5.72	147.9	5.83
		45.7	104.8	3.28	113.5	3.88	123.7	4.53	134.4	5.09	138.4	5.23	143.8	5.36	147.9	5.45
		57.2	104.8	3.18	113.5	3.81	123.7	4.43	134.4	5.00	138.4	5.13	143.8	5.26	147.9	5.30
		68.6	104.8	3.08	113.5	3.74	123.7	4.33	134.4	4.91	138.4	5.03	143.8	5.16	147.9	5.15
	75	18.3	104.8	4.45	113.5	5.16	123.7	6.00	134.4	6.75	138.4	6.93	143.8	7.10	147.9	7.22
		26.4	104.8	4.35	113.5	5.07	123.7	5.91	134.4	6.65	138.4	6.82	143.8	6.99	147.9	7.10
		45.7	104.8	4.00	113.5	4.73	123.7	5.53	134.4	6.23	138.4	6.36	143.8	6.53	147.9	6.65
		57.2	104.8	3.88	113.5	4.64	123.7	5.42	134.4	6.10	138.4	6.25	143.8	6.42	147.9	6.48
		68.6	104.8	3.76	113.5	4.55	123.7	5.31	134.4	5.97	138.4	6.14	143.8	6.31	147.9	6.31

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM168BAS5

168,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	18.3	104.8	5.44	113.5	6.33	123.7	7.39	134.4	8.31	138.4	8.50	143.8	8.72	147.9	8.89
		26.4	104.8	5.34	113.5	6.23	123.7	7.27	134.4	8.18	138.4	8.37	143.8	8.58	147.9	8.75
		45.7	104.8	4.92	113.5	5.83	123.7	6.80	134.4	7.65	138.4	7.84	143.8	8.03	147.9	8.18
		57.2	104.8	4.79	113.5	5.70	123.7	6.65	134.4	7.50	138.4	7.69	143.8	7.88	147.9	7.97
		68.6	104.8	4.66	113.5	5.57	123.7	6.50	134.4	7.35	138.4	7.54	143.8	7.73	147.9	7.76
	95	18.3	104.8	6.06	113.5	7.04	123.7	8.20	134.4	9.24	138.4	9.47	143.8	9.70	147.9	9.87
		26.4	104.8	5.95	113.5	6.93	123.7	8.07	134.4	9.09	138.4	9.32	143.8	9.54	147.9	9.71
		45.7	104.8	5.47	113.5	6.48	123.7	7.55	134.4	8.50	138.4	8.71	143.8	8.92	147.9	9.09
		57.2	104.8	5.32	113.5	6.34	123.7	7.40	134.4	8.33	138.4	8.54	143.8	8.77	147.9	8.84
		68.6	104.8	5.17	113.5	6.20	123.7	7.25	134.4	8.16	138.4	8.37	143.8	8.62	147.9	8.59
	104	18.3	104.8	7.19	113.5	8.36	123.7	9.72	134.4	10.95	138.4	11.20	143.8	11.49	147.9	11.68
		26.4	104.8	7.04	113.5	8.22	123.7	9.56	134.4	10.77	138.4	11.02	143.8	11.30	147.9	11.49
		45.7	104.8	6.48	113.5	7.67	123.7	8.94	134.4	10.07	138.4	10.30	143.8	10.57	147.9	10.75
		57.2	104.8	6.29	113.5	7.52	123.7	8.75	134.4	9.86	138.4	10.11	143.8	10.38	147.9	10.47
		68.6	104.8	6.10	113.5	7.37	123.7	8.56	134.4	9.65	138.4	9.92	143.8	10.19	147.9	10.19
	113	18.3	104.8	8.31	113.5	9.67	123.7	11.24	134.4	12.66	138.4	12.93	143.8	13.28	147.9	13.49
		26.4	104.8	8.14	113.5	9.51	123.7	11.06	134.4	12.46	138.4	12.72	143.8	13.06	147.9	13.27
		45.7	104.8	7.48	113.5	8.86	123.7	10.32	134.4	11.64	138.4	11.89	143.8	12.21	147.9	12.42
		57.2	104.8	7.25	113.5	8.69	123.7	10.09	134.4	11.40	138.4	11.68	143.8	11.99	147.9	12.10
		68.6	104.8	7.02	113.5	8.52	123.7	9.86	134.4	11.16	138.4	11.47	143.8	11.77	147.9	11.78
70	50	18.3	91.8	1.80	99.3	2.09	108.3	2.42	117.5	2.73	121.1	2.83	125.8	2.91	129.3	2.92
		26.4	91.8	1.77	99.3	2.06	108.3	2.38	117.5	2.69	121.1	2.79	125.8	2.86	129.3	2.88
		45.7	91.8	1.64	99.3	1.91	108.3	2.24	117.5	2.55	121.1	2.61	125.8	2.68	129.3	2.71
		57.2	91.8	1.60	99.3	1.87	108.3	2.20	117.5	2.48	121.1	2.53	125.8	2.60	129.3	2.64
		68.6	91.8	1.56	99.3	1.83	108.3	2.16	117.5	2.41	121.1	2.45	125.8	2.52	129.3	2.57
	59	18.3	91.8	2.45	99.3	2.85	108.3	3.31	117.5	3.73	121.1	3.83	125.8	3.92	129.3	3.98
		26.4	91.8	2.40	99.3	2.80	108.3	3.26	117.5	3.67	121.1	3.77	125.8	3.86	129.3	3.92
		45.7	91.8	2.22	99.3	2.61	108.3	3.05	117.5	3.45	121.1	3.52	125.8	3.62	129.3	3.67
		57.2	91.8	2.16	99.3	2.56	108.3	2.99	117.5	3.37	121.1	3.45	125.8	3.54	129.3	3.58
		68.6	91.8	2.10	99.3	2.51	108.3	2.93	117.5	3.29	121.1	3.38	125.8	3.46	129.3	3.49
	67	18.3	91.8	3.03	99.3	3.52	108.3	4.10	117.5	4.62	121.1	4.72	125.8	4.83	129.3	4.93
		26.4	91.8	2.97	99.3	3.47	108.3	4.03	117.5	4.54	121.1	4.64	125.8	4.75	129.3	4.85
		45.7	91.8	2.73	99.3	3.24	108.3	3.77	117.5	4.24	121.1	4.34	125.8	4.45	129.3	4.53
		57.2	91.8	2.65	99.3	3.16	108.3	3.69	117.5	4.17	121.1	4.26	125.8	4.37	129.3	4.41
		68.6	91.8	2.57	99.3	3.08	108.3	3.61	117.5	4.10	121.1	4.18	125.8	4.29	129.3	4.29
	75	18.3	91.8	3.69	99.3	4.29	108.3	4.98	117.5	5.62	121.1	5.75	125.8	5.88	129.3	6.00
		26.4	91.8	3.62	99.3	4.22	108.3	4.90	117.5	5.53	121.1	5.66	125.8	5.79	129.3	5.91
		45.7	91.8	3.33	99.3	3.94	108.3	4.60	117.5	5.17	121.1	5.30	125.8	5.43	129.3	5.53
		57.2	91.8	3.24	99.3	3.86	108.3	4.51	117.5	5.07	121.1	5.19	125.8	5.32	129.3	5.38
		68.6	91.8	3.15	99.3	3.78	108.3	4.42	117.5	4.97	121.1	5.08	125.8	5.21	129.3	5.23
	86	18.3	91.8	4.54	99.3	5.27	108.3	6.14	117.5	6.91	121.1	7.08	125.8	7.25	129.3	7.39
		26.4	91.8	4.45	99.3	5.19	108.3	6.04	117.5	6.80	121.1	6.97	125.8	7.14	129.3	7.27
		45.7	91.8	4.09	99.3	4.85	108.3	5.64	117.5	6.36	121.1	6.51	125.8	6.68	129.3	6.80
		57.2	91.8	3.98	99.3	4.75	108.3	5.53	117.5	6.23	121.1	6.40	125.8	6.55	129.3	6.63
		68.6	91.8	3.87	99.3	4.65	108.3	5.42	117.5	6.10	121.1	6.29	125.8	6.42	129.3	6.46
	95	18.3	91.8	5.04	99.3	5.85	108.3	6.84	117.5	7.68	121.1	7.87	125.8	8.06	129.3	8.20
		26.4	91.8	4.94	99.3	5.76	108.3	6.72	117.5	7.55	121.1	7.74	125.8	7.93	129.3	8.07
		45.7	91.8	4.54	99.3	5.40	108.3	6.27	117.5	7.06	121.1	7.23	125.8	7.42	129.3	7.55
		57.2	91.8	4.41	99.3	5.26	108.3	6.15	117.5	6.93	121.1	7.10	125.8	7.29	129.3	7.37
		68.6	91.8	4.28	99.3	5.12	108.3	6.03	117.5	6.80	121.1	6.97	125.8	7.16	129.3	7.19
	104	18.3	91.8	5.97	99.3	6.93	108.3	8.08	117.5	9.10	121.1	9.31	125.8	9.54	129.3	9.71
		26.4	91.8	5.85	99.3	6.82	108.3	7.95	117.5	8.96	121.1	9.16	125.8	9.39	129.3	9.56
		45.7	91.8	5.38	99.3	6.38	108.3	7.44	117.5	8.37	121.1	8.58	125.8	8.79	129.3	8.96
		57.2	91.8	5.23	99.3	6.25	108.3	7.27	117.5	8.20	121.1	8.41	125.8	8.63	129.3	8.71
		68.6	91.8	5.08	99.3	6.12	108.3	7.10	117.5	8.03	121.1	8.24	125.8	8.47	129.3	8.46

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	113	18.3	91.8	6.90	99.3	8.01	108.3	9.33	117.5	10.53	121.1	10.75	125.8	11.03	129.3	11.23
		26.4	91.8	6.76	99.3	7.88	108.3	9.18	117.5	10.36	121.1	10.58	125.8	10.85	129.3	11.06
		45.7	91.8	6.21	99.3	7.37	108.3	8.62	117.5	9.68	121.1	9.92	125.8	10.15	129.3	10.36
		57.2	91.8	6.04	99.3	7.23	108.3	8.39	117.5	9.47	121.1	9.71	125.8	9.98	129.3	10.05
		68.6	91.8	5.87	99.3	7.09	108.3	8.16	117.5	9.26	121.1	9.50	125.8	9.81	129.3	9.74
60	50	18.3	78.7	1.43	85.1	1.67	92.7	1.91	100.7	2.21	103.9	2.26	107.9	2.29	110.9	2.33
		26.4	78.7	1.40	85.1	1.64	92.7	1.89	100.7	2.17	103.9	2.22	107.9	2.26	110.9	2.29
		45.7	78.7	1.29	85.1	1.53	92.7	1.80	100.7	2.02	103.9	2.06	107.9	2.13	110.9	2.17
		57.2	78.7	1.24	85.1	1.51	92.7	1.77	100.7	1.99	103.9	2.02	107.9	2.08	110.9	2.11
		68.6	78.7	1.19	85.1	1.49	92.7	1.74	100.7	1.96	103.9	1.98	107.9	2.03	110.9	2.05
	59	18.3	78.7	1.95	85.1	2.27	92.7	2.63	100.7	2.98	103.9	3.06	107.9	3.12	110.9	3.17
		26.4	78.7	1.91	85.1	2.23	92.7	2.59	100.7	2.93	103.9	3.01	107.9	3.07	110.9	3.12
		45.7	78.7	1.76	85.1	2.08	92.7	2.44	100.7	2.75	103.9	2.80	107.9	2.88	110.9	2.93
		57.2	78.7	1.70	85.1	2.04	92.7	2.39	100.7	2.69	103.9	2.75	107.9	2.82	110.9	2.86
		68.6	78.7	1.64	85.1	2.00	92.7	2.34	100.7	2.63	103.9	2.70	107.9	2.76	110.9	2.79
	67	18.3	78.7	2.41	85.1	2.81	92.7	3.27	100.7	3.67	103.9	3.77	107.9	3.85	110.9	3.92
		26.4	78.7	2.37	85.1	2.76	92.7	3.22	100.7	3.62	103.9	3.71	107.9	3.79	110.9	3.86
		45.7	78.7	2.18	85.1	2.58	92.7	3.01	100.7	3.39	103.9	3.47	107.9	3.54	110.9	3.62
		57.2	78.7	2.12	85.1	2.52	92.7	2.93	100.7	3.31	103.9	3.39	107.9	3.48	110.9	3.52
		68.6	78.7	2.06	85.1	2.46	92.7	2.85	100.7	3.23	103.9	3.31	107.9	3.42	110.9	3.42
	75	18.3	78.7	2.94	85.1	3.43	92.7	3.99	100.7	4.48	103.9	4.58	107.9	4.69	110.9	4.79
		26.4	78.7	2.88	85.1	3.37	92.7	3.92	100.7	4.41	103.9	4.51	107.9	4.62	110.9	4.71
		45.7	78.7	2.65	85.1	3.14	92.7	3.65	100.7	4.13	103.9	4.22	107.9	4.34	110.9	4.41
		57.2	78.7	2.58	85.1	3.07	92.7	3.58	100.7	4.03	103.9	4.15	107.9	4.24	110.9	4.30
		68.6	78.7	2.51	85.1	3.00	92.7	3.51	100.7	3.93	103.9	4.08	107.9	4.14	110.9	4.19
	86	18.3	78.7	3.61	85.1	4.19	92.7	4.89	100.7	5.50	103.9	5.64	107.9	5.77	110.9	5.89
		26.4	78.7	3.54	85.1	4.13	92.7	4.81	100.7	5.42	103.9	5.55	107.9	5.68	110.9	5.79
		45.7	78.7	3.26	85.1	3.86	92.7	4.51	100.7	5.07	103.9	5.19	107.9	5.32	110.9	5.42
		57.2	78.7	3.16	85.1	3.79	92.7	4.41	100.7	4.98	103.9	5.09	107.9	5.23	110.9	5.28
		68.6	78.7	3.06	85.1	3.72	92.7	4.31	100.7	4.89	103.9	4.99	107.9	5.14	110.9	5.14
	95	18.3	78.7	4.02	85.1	4.68	92.7	5.45	100.7	6.12	103.9	6.27	107.9	6.43	110.9	6.54
		26.4	78.7	3.94	85.1	4.60	92.7	5.36	100.7	6.02	103.9	6.17	107.9	6.32	110.9	6.44
		45.7	78.7	3.62	85.1	4.30	92.7	5.00	100.7	5.64	103.9	5.78	107.9	5.91	110.9	6.02
		57.2	78.7	3.52	85.1	4.20	92.7	4.90	100.7	5.53	103.9	5.66	107.9	5.81	110.9	5.87
		68.6	78.7	3.42	85.1	4.10	92.7	4.80	100.7	5.42	103.9	5.54	107.9	5.71	110.9	5.72
	104	18.3	78.7	4.75	85.1	5.52	92.7	6.45	100.7	7.26	103.9	7.43	107.9	7.60	110.9	7.75
		26.4	78.7	4.66	85.1	5.43	92.7	6.34	100.7	7.14	103.9	7.31	107.9	7.48	110.9	7.63
		45.7	78.7	4.30	85.1	5.09	92.7	5.93	100.7	6.66	103.9	6.84	107.9	7.01	110.9	7.14
		57.2	78.7	4.17	85.1	4.98	92.7	5.81	100.7	6.53	103.9	6.70	107.9	6.87	110.9	6.95
		68.6	78.7	4.04	85.1	4.87	92.7	5.69	100.7	6.40	103.9	6.56	107.9	6.73	110.9	6.76
	113	18.3	78.7	5.48	85.1	6.36	92.7	7.45	100.7	8.40	103.9	8.58	107.9	8.77	110.9	8.97
		26.4	78.7	5.38	85.1	6.27	92.7	7.33	100.7	8.26	103.9	8.44	107.9	8.63	110.9	8.82
		45.7	78.7	4.98	85.1	5.89	92.7	6.85	100.7	7.69	103.9	7.90	107.9	8.10	110.9	8.26
		57.2	78.7	4.81	85.1	5.76	92.7	6.72	100.7	7.54	103.9	7.74	107.9	7.93	110.9	8.03
		68.6	78.7	4.64	85.1	5.63	92.7	6.59	100.7	7.39	103.9	7.58	107.9	7.76	110.9	7.80
50	50	18.3	65.5	1.06	70.9	1.24	77.3	1.49	84.1	1.63	86.5	1.66	89.9	1.73	92.3	1.74
		26.4	65.5	1.04	70.9	1.22	77.3	1.46	84.1	1.60	86.5	1.64	89.9	1.69	92.3	1.71
		45.7	65.5	0.94	70.9	1.15	77.3	1.35	84.1	1.51	86.5	1.57	89.9	1.56	92.3	1.60
		57.2	65.5	0.93	70.9	1.15	77.3	1.31	84.1	1.47	86.5	1.49	89.9	1.55	92.3	1.55
		68.6	65.5	0.92	70.9	1.15	77.3	1.27	84.1	1.43	86.5	1.41	89.9	1.54	92.3	1.50
	59	18.3	65.5	1.45	70.9	1.69	77.3	1.98	84.1	2.21	86.5	2.27	89.9	2.33	92.3	2.37
		26.4	65.5	1.42	70.9	1.67	77.3	1.95	84.1	2.18	86.5	2.23	89.9	2.29	92.3	2.33
		45.7	65.5	1.31	70.9	1.55	77.3	1.82	84.1	2.04	86.5	2.10	89.9	2.14	92.3	2.18
		57.2	65.5	1.27	70.9	1.53	77.3	1.78	84.1	2.01	86.5	2.04	89.9	2.10	92.3	2.12
		68.6	65.5	1.23	70.9	1.51	77.3	1.74	84.1	1.98	86.5	1.98	89.9	2.06	92.3	2.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM168BAS5

168,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	67	18.3	65.5	1.79	70.9	2.10	77.3	2.42	84.1	2.73	86.5	2.81	89.9	2.86	92.3	2.93
		26.4	65.5	1.76	70.9	2.06	77.3	2.39	84.1	2.69	86.5	2.76	89.9	2.82	92.3	2.88
		45.7	65.5	1.63	70.9	1.91	77.3	2.23	84.1	2.52	86.5	2.58	89.9	2.65	92.3	2.69
		57.2	65.5	1.57	70.9	1.87	77.3	2.20	84.1	2.48	86.5	2.54	89.9	2.59	92.3	2.63
		68.6	65.5	1.51	70.9	1.83	77.3	2.17	84.1	2.44	86.5	2.50	89.9	2.53	92.3	2.57
	75	18.3	65.5	2.18	70.9	2.54	77.3	2.96	84.1	3.35	86.5	3.43	89.9	3.50	92.3	3.56
		26.4	65.5	2.14	70.9	2.50	77.3	2.92	84.1	3.29	86.5	3.37	89.9	3.45	92.3	3.50
		45.7	65.5	1.97	70.9	2.35	77.3	2.73	84.1	3.07	86.5	3.14	89.9	3.22	92.3	3.29
		57.2	65.5	1.91	70.9	2.29	77.3	2.67	84.1	3.01	86.5	3.09	89.9	3.16	92.3	3.20
		68.6	65.5	1.85	70.9	2.23	77.3	2.61	84.1	2.95	86.5	3.04	89.9	3.10	92.3	3.11
	86	18.3	65.5	2.71	70.9	3.14	77.3	3.66	84.1	4.12	86.5	4.22	89.9	4.31	92.3	4.39
		26.4	65.5	2.65	70.9	3.09	77.3	3.60	84.1	4.05	86.5	4.15	89.9	4.24	92.3	4.32
		45.7	65.5	2.42	70.9	2.88	77.3	3.35	84.1	3.79	86.5	3.86	89.9	3.98	92.3	4.03
		57.2	65.5	2.37	70.9	2.82	77.3	3.29	84.1	3.71	86.5	3.81	89.9	3.90	92.3	3.94
		68.6	65.5	2.32	70.9	2.76	77.3	3.23	84.1	3.63	86.5	3.76	89.9	3.82	92.3	3.85
	95	18.3	65.5	2.99	70.9	3.48	77.3	4.06	84.1	4.56	86.5	4.68	89.9	4.79	92.3	4.87
		26.4	65.5	2.93	70.9	3.43	77.3	4.00	84.1	4.49	86.5	4.60	89.9	4.71	92.3	4.79
		45.7	65.5	2.71	70.9	3.20	77.3	3.73	84.1	4.20	86.5	4.30	89.9	4.41	92.3	4.49
		57.2	65.5	2.63	70.9	3.14	77.3	3.65	84.1	4.13	86.5	4.22	89.9	4.34	92.3	4.37
		68.6	65.5	2.55	70.9	3.08	77.3	3.57	84.1	4.06	86.5	4.14	89.9	4.27	92.3	4.25
	104	18.3	65.5	3.56	70.9	4.12	77.3	4.81	84.1	5.41	86.5	5.54	89.9	5.68	92.3	5.77
		26.4	65.5	3.48	70.9	4.05	77.3	4.73	84.1	5.32	86.5	5.45	89.9	5.59	92.3	5.68
		45.7	65.5	3.20	70.9	3.79	77.3	4.41	84.1	4.98	86.5	5.09	89.9	5.23	92.3	5.32
		57.2	65.5	3.11	70.9	3.71	77.3	4.34	84.1	4.89	86.5	5.00	89.9	5.13	92.3	5.17
		68.6	65.5	3.02	70.9	3.63	77.3	4.27	84.1	4.80	86.5	4.91	89.9	5.03	92.3	5.02
	113	18.3	65.5	4.12	70.9	4.75	77.3	5.57	84.1	6.25	86.5	6.41	89.9	6.56	92.3	6.68
		26.4	65.5	4.03	70.9	4.68	77.3	5.47	84.1	6.15	86.5	6.31	89.9	6.46	92.3	6.57
		45.7	65.5	3.69	70.9	4.37	77.3	5.09	84.1	5.76	86.5	5.89	89.9	6.04	92.3	6.15
		57.2	65.5	3.58	70.9	4.28	77.3	5.02	84.1	5.64	86.5	5.78	89.9	5.93	92.3	5.96
		68.6	65.5	3.47	70.9	4.19	77.3	4.95	84.1	5.52	86.5	5.67	89.9	5.82	92.3	5.77

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



### 192,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	50	20.3	178.5	3.39	193.4	3.97	210.4	4.63	228.6	5.19	235.7	5.31	244.9	5.48	251.7	5.56
		26.4	178.5	3.33	193.4	3.90	210.4	4.55	228.6	5.10	235.7	5.23	244.9	5.39	251.7	5.47
		50.8	178.5	3.09	193.4	3.62	210.4	4.23	228.6	4.77	235.7	4.92	244.9	5.02	251.7	5.14
		63.5	178.5	3.00	193.4	3.57	210.4	4.17	228.6	4.67	235.7	4.81	244.9	4.93	251.7	5.00
		76.2	178.5	2.91	193.4	3.52	210.4	4.11	228.6	4.57	235.7	4.70	244.9	4.84	251.7	4.86
	59	20.3	175.6	4.47	190.2	5.21	207.0	6.07	225.0	6.82	231.8	6.98	240.9	7.16	247.7	7.29
		26.4	175.6	4.38	190.2	5.12	207.0	5.97	225.0	6.71	231.8	6.87	240.9	7.05	247.7	7.18
		50.8	175.6	4.04	190.2	4.78	207.0	5.57	225.0	6.27	231.8	6.44	240.9	6.60	247.7	6.74
		63.5	175.6	3.93	190.2	4.69	207.0	5.46	225.0	6.15	231.8	6.31	240.9	6.47	247.7	6.58
		76.2	175.6	3.82	190.2	4.60	207.0	5.35	225.0	6.03	231.8	6.18	240.9	6.34	247.7	6.42
	67	20.3	173.0	5.43	187.4	6.30	204.0	7.35	221.8	8.26	228.4	8.47	237.2	8.66	244.1	8.82
		26.4	173.0	5.32	187.4	6.20	204.0	7.23	221.8	8.13	228.4	8.33	237.2	8.53	244.1	8.69
		50.8	173.0	4.89	187.4	5.81	204.0	6.76	221.8	7.61	228.4	7.79	237.2	8.01	244.1	8.17
		63.5	173.0	4.76	187.4	5.68	204.0	6.62	221.8	7.46	228.4	7.64	237.2	7.84	244.1	7.99
		76.2	173.0	4.63	187.4	5.55	204.0	6.48	221.8	7.31	228.4	7.49	237.2	7.67	244.1	7.81
	75	20.3	173.0	6.70	187.4	7.77	204.0	9.05	221.8	10.21	228.4	10.45	237.2	10.69	244.1	10.87
		26.4	173.0	6.56	187.4	7.64	204.0	8.91	221.8	10.04	228.4	10.28	237.2	10.53	244.1	10.71
		50.8	173.0	6.04	187.4	7.16	204.0	8.33	221.8	9.38	228.4	9.61	237.2	9.88	244.1	10.06
		63.5	173.0	5.86	187.4	7.00	204.0	8.17	221.8	9.20	228.4	9.43	237.2	9.68	244.1	9.84
		76.2	173.0	5.68	187.4	6.84	204.0	8.01	221.8	9.02	228.4	9.25	237.2	9.48	244.1	9.62
	86	20.3	173.0	8.04	187.4	9.33	204.0	10.87	221.8	12.24	228.4	12.53	237.2	12.84	244.1	13.05
		26.4	173.0	7.88	187.4	9.18	204.0	10.69	221.8	12.04	228.4	12.33	237.2	12.64	244.1	12.86
		50.8	173.0	7.23	187.4	8.58	204.0	10.01	221.8	11.25	228.4	11.54	237.2	11.85	244.1	12.08
		63.5	173.0	7.03	187.4	8.40	204.0	9.79	221.8	11.03	228.4	11.32	237.2	11.61	244.1	11.81
		76.2	173.0	6.83	187.4	8.22	204.0	9.57	221.8	10.81	228.4	11.10	237.2	11.37	244.1	11.54
	95	20.3	155.8	8.11	168.6	9.44	183.6	11.00	199.6	12.37	205.6	12.68	213.6	12.99	219.6	13.20
		26.4	155.8	7.95	168.6	9.29	183.6	10.82	199.6	12.17	205.6	12.48	213.6	12.78	219.6	13.00
		50.8	155.8	7.32	168.6	8.67	183.6	10.12	199.6	11.40	205.6	11.67	213.6	11.97	219.6	12.22
		63.5	155.8	7.12	168.6	8.49	183.6	9.90	199.6	11.16	205.6	11.45	213.6	11.74	219.6	11.94
		76.2	155.8	6.92	168.6	8.31	183.6	9.68	199.6	10.92	205.6	11.23	213.6	11.51	219.6	11.66
	104	20.3	138.3	8.58	150.0	9.95	163.2	11.60	177.4	13.05	182.8	13.35	189.8	13.68	195.2	13.93
		26.4	138.3	8.40	150.0	9.79	163.2	11.41	177.4	12.84	182.8	13.14	189.8	13.47	195.2	13.72
		50.8	138.3	7.72	150.0	9.16	163.2	10.67	177.4	12.01	182.8	12.31	189.8	12.64	195.2	12.89
		63.5	138.3	7.50	150.0	8.96	163.2	10.44	177.4	11.77	182.8	12.08	189.8	12.39	195.2	12.60
		76.2	138.3	7.28	150.0	8.76	163.2	10.21	177.4	11.53	182.8	11.85	189.8	12.14	195.2	12.31
	113	20.3	120.9	9.04	131.3	10.46	142.7	12.20	155.2	13.73	160.0	14.03	166.0	14.37	170.8	14.67
		26.4	120.9	8.85	131.3	10.30	142.7	12.01	155.2	13.50	160.0	13.81	166.0	14.15	170.8	14.44
		50.8	120.9	8.11	131.3	9.65	142.7	11.23	155.2	12.62	160.0	12.96	166.0	13.31	170.8	13.56
		63.5	120.9	7.88	131.3	9.43	142.7	10.98	155.2	12.39	160.0	12.71	166.0	13.04	170.8	13.27
		76.2	120.9	7.65	131.3	9.21	142.7	10.73	155.2	12.16	160.0	12.46	166.0	12.77	170.8	12.98
120	50	20.3	169.0	3.23	182.8	3.77	199.3	4.36	216.5	4.92	222.9	5.07	231.7	5.19	238.1	5.25
		26.4	169.0	3.17	182.8	3.71	199.3	4.30	216.5	4.84	222.9	4.98	231.7	5.10	238.1	5.17
		50.8	169.0	2.91	182.8	3.46	199.3	4.04	216.5	4.52	222.9	4.63	231.7	4.75	238.1	4.85
		63.5	169.0	2.82	182.8	3.36	199.3	3.95	216.5	4.42	222.9	4.56	231.7	4.66	238.1	4.75
		76.2	169.0	2.73	182.8	3.26	199.3	3.86	216.5	4.32	222.9	4.49	231.7	4.57	238.1	4.65
	59	20.3	167.0	4.29	180.8	4.99	197.0	5.79	214.0	6.52	220.4	6.69	229.0	6.85	235.4	6.96
		26.4	167.0	4.20	180.8	4.90	197.0	5.70	214.0	6.42	220.4	6.58	229.0	6.74	235.4	6.85
		50.8	167.0	3.86	180.8	4.58	197.0	5.34	214.0	6.00	220.4	6.15	229.0	6.31	235.4	6.44
		63.5	167.0	3.75	180.8	4.47	197.0	5.23	214.0	5.88	220.4	6.04	229.0	6.18	235.4	6.29
		76.2	167.0	3.64	180.8	4.36	197.0	5.12	214.0	5.76	220.4	5.93	229.0	6.05	235.4	6.14
	67	20.3	165.2	5.23	179.0	6.07	195.0	7.06	211.8	7.95	218.2	8.13	226.6	8.33	233.0	8.48
		26.4	165.2	5.12	179.0	5.97	195.0	6.94	211.8	7.83	218.2	8.01	226.6	8.20	233.0	8.35
		50.8	165.2	4.71	179.0	5.57	195.0	6.49	211.8	7.32	218.2	7.50	226.6	7.70	233.0	7.84
		63.5	165.2	4.58	179.0	5.46	195.0	6.36	211.8	7.18	218.2	7.36	226.6	7.54	233.0	7.66
		76.2	165.2	4.45	179.0	5.35	195.0	6.23	211.8	7.04	218.2	7.22	226.6	7.38	233.0	7.48

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM192BAS5

192,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	20.3	165.2	6.42	179.0	7.46	195.0	8.69	211.8	9.77	218.2	10.00	226.6	10.26	233.0	10.44
		26.4	165.2	6.29	179.0	7.34	195.0	8.55	211.8	9.61	218.2	9.84	226.6	10.10	233.0	10.28
		50.8	165.2	5.79	179.0	6.85	195.0	7.99	211.8	9.00	218.2	9.21	226.6	9.45	233.0	9.65
		63.5	165.2	5.63	179.0	6.71	195.0	7.83	211.8	8.82	218.2	9.03	226.6	9.27	233.0	9.41
		76.2	165.2	5.47	179.0	6.57	195.0	7.67	211.8	8.64	218.2	8.85	226.6	9.09	233.0	9.17
	86	20.3	165.2	7.74	179.0	9.02	195.0	10.50	211.8	11.82	218.2	12.09	226.6	12.40	233.0	12.62
		26.4	165.2	7.59	179.0	8.87	195.0	10.33	211.8	11.63	218.2	11.90	226.6	12.21	233.0	12.42
		50.8	165.2	7.00	179.0	8.29	195.0	9.65	211.8	10.87	218.2	11.14	226.6	11.43	233.0	11.65
		63.5	165.2	6.80	179.0	8.11	195.0	9.45	211.8	10.66	218.2	10.93	226.6	11.21	233.0	11.38
		76.2	165.2	6.60	179.0	7.93	195.0	9.25	211.8	10.45	218.2	10.72	226.6	10.99	233.0	11.11
	95	20.3	151.2	7.95	163.8	9.24	178.4	10.76	193.8	12.11	199.6	12.41	207.4	12.69	213.2	12.93
		26.4	151.2	7.79	163.8	9.09	178.4	10.58	193.8	11.92	199.6	12.21	207.4	12.50	213.2	12.73
		50.8	151.2	7.16	163.8	8.49	178.4	9.90	193.8	11.14	199.6	11.41	207.4	11.72	213.2	11.94
		63.5	151.2	6.96	163.8	8.31	178.4	9.70	193.8	10.93	199.6	11.20	207.4	11.49	213.2	11.67
		76.2	151.2	6.76	163.8	8.13	178.4	9.50	193.8	10.72	199.6	10.99	207.4	11.26	213.2	11.40
	104	20.3	137.1	8.55	148.6	9.93	161.8	11.58	176.0	13.03	181.2	13.34	188.2	13.66	193.4	13.92
		26.4	137.1	8.38	148.6	9.77	161.8	11.40	176.0	12.82	181.2	13.13	188.2	13.45	193.4	13.70
		50.8	137.1	7.72	148.6	9.14	161.8	10.66	176.0	11.99	181.2	12.28	188.2	12.60	193.4	12.86
		63.5	137.1	7.50	148.6	8.94	161.8	10.44	176.0	11.76	181.2	12.06	188.2	12.37	193.4	12.55
		76.2	137.1	7.28	148.6	8.74	161.8	10.22	176.0	11.53	181.2	11.84	188.2	12.14	193.4	12.24
	113	20.3	123.1	9.16	133.3	10.63	145.2	12.41	158.2	13.94	162.8	14.27	169.0	14.64	173.6	14.90
		26.4	123.1	8.98	133.3	10.46	145.2	12.21	158.2	13.72	162.8	14.05	169.0	14.41	173.6	14.68
		50.8	123.1	8.28	133.3	9.79	145.2	11.41	158.2	12.84	162.8	13.14	169.0	13.49	173.6	13.78
		63.5	123.1	8.04	133.3	9.57	145.2	11.18	158.2	12.59	162.8	12.93	169.0	13.25	173.6	13.43
		76.2	123.1	7.80	133.3	9.35	145.2	10.95	158.2	12.34	162.8	12.72	169.0	13.01	173.6	13.08
110	50	20.3	159.3	3.05	172.7	3.53	187.9	4.14	204.1	4.64	210.1	4.74	218.6	4.89	224.4	4.96
		26.4	159.3	2.99	172.7	3.47	187.9	4.07	204.1	4.57	210.1	4.67	218.6	4.81	224.4	4.88
		50.8	159.3	2.75	172.7	3.25	187.9	3.79	204.1	4.27	210.1	4.40	218.6	4.50	224.4	4.57
		63.5	159.3	2.68	172.7	3.18	187.9	3.70	204.1	4.21	210.1	4.27	218.6	4.41	224.4	4.46
		76.2	159.3	2.61	172.7	3.11	187.9	3.61	204.1	4.15	210.1	4.14	218.6	4.32	224.4	4.35
	59	20.3	158.4	4.08	171.6	4.75	186.8	5.54	203.0	6.23	209.0	6.37	217.2	6.54	223.2	6.65
		26.4	158.4	4.00	171.6	4.67	186.8	5.45	203.0	6.13	209.0	6.27	217.2	6.44	223.2	6.55
		50.8	158.4	3.68	171.6	4.36	186.8	5.08	203.0	5.73	209.0	5.88	217.2	6.02	223.2	6.13
		63.5	158.4	3.59	171.6	4.27	186.8	4.98	203.0	5.63	209.0	5.75	217.2	5.91	223.2	5.99
		76.2	158.4	3.50	171.6	4.18	186.8	4.88	203.0	5.53	209.0	5.62	217.2	5.80	223.2	5.85
	67	20.3	157.6	5.00	170.6	5.83	185.8	6.78	202.0	7.64	208.0	7.83	216.0	8.01	222.2	8.15
		26.4	157.6	4.90	170.6	5.73	185.8	6.67	202.0	7.52	208.0	7.70	216.0	7.88	222.2	8.02
		50.8	157.6	4.51	170.6	5.36	185.8	6.24	202.0	7.03	208.0	7.19	216.0	7.37	222.2	7.52
		63.5	157.6	4.40	170.6	5.25	185.8	6.11	202.0	6.89	208.0	7.07	216.0	7.25	222.2	7.34
		76.2	157.6	4.29	170.6	5.14	185.8	5.98	202.0	6.75	208.0	6.95	216.0	7.13	222.2	7.16
	75	20.3	157.6	6.12	170.6	7.13	185.8	8.30	202.0	9.35	208.0	9.56	216.0	9.80	222.2	9.98
		26.4	157.6	6.00	170.6	7.01	185.8	8.17	202.0	9.20	208.0	9.41	216.0	9.65	222.2	9.83
		50.8	157.6	5.54	170.6	6.56	185.8	7.64	202.0	8.60	208.0	8.82	216.0	9.03	222.2	9.21
		63.5	157.6	5.37	170.6	6.42	185.8	7.48	202.0	8.44	208.0	8.64	216.0	8.87	222.2	8.98
		76.2	157.6	5.20	170.6	6.28	185.8	7.32	202.0	8.28	208.0	8.46	216.0	8.71	222.2	8.75
	86	20.3	157.6	7.47	170.6	8.69	185.8	10.12	202.0	11.40	208.0	11.67	216.0	11.94	222.2	12.16
		26.4	157.6	7.32	170.6	8.55	185.8	9.95	202.0	11.21	208.0	11.49	216.0	11.76	222.2	11.97
		50.8	157.6	6.74	170.6	7.99	185.8	9.30	202.0	10.48	208.0	10.75	216.0	11.02	222.2	11.21
		63.5	157.6	6.56	170.6	7.83	185.8	9.12	202.0	10.28	208.0	10.53	216.0	10.80	222.2	10.94
		76.2	157.6	6.38	170.6	7.67	185.8	8.94	202.0	10.08	208.0	10.31	216.0	10.58	222.2	10.67
	95	20.3	146.8	7.78	159.0	9.03	173.2	10.52	188.2	11.86	193.8	12.13	201.4	12.42	207.0	12.66
		26.4	146.8	7.63	159.0	8.89	173.2	10.35	188.2	11.67	193.8	11.94	201.4	12.22	207.0	12.46
		50.8	146.8	7.01	159.0	8.31	173.2	9.68	188.2	10.91	193.8	11.16	201.4	11.45	207.0	11.67
		63.5	146.8	6.82	159.0	8.13	173.2	9.48	188.2	10.69	193.8	10.96	201.4	11.23	207.0	11.38
		76.2	146.8	6.63	159.0	7.95	173.2	9.28	188.2	10.47	193.8	10.76	201.4	11.01	207.0	11.09

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	20.3	135.9	8.53	147.4	9.94	160.4	11.56	174.4	13.01	179.6	13.32	186.6	13.65	191.8	13.90
		26.4	135.9	8.37	147.4	9.77	160.4	11.38	174.4	12.80	179.6	13.11	186.6	13.43	191.8	13.69
		50.8	135.9	7.70	147.4	9.12	160.4	10.64	174.4	11.97	179.6	12.26	186.6	12.59	191.8	12.82
		63.5	135.9	7.48	147.4	8.93	160.4	10.42	174.4	11.74	179.6	12.04	186.6	12.35	191.8	12.50
		76.2	135.9	7.26	147.4	8.74	160.4	10.20	174.4	11.51	179.6	11.82	186.6	12.11	191.8	12.18
	113	20.3	125.1	9.29	135.7	10.84	147.6	12.61	160.6	14.17	165.4	14.51	171.8	14.87	176.6	15.15
		26.4	125.1	9.11	135.7	10.66	147.6	12.40	160.6	13.94	165.4	14.28	171.8	14.64	176.6	14.91
		50.8	125.1	8.38	135.7	9.93	147.6	11.59	160.6	13.04	165.4	13.36	171.8	13.72	176.6	13.97
		63.5	125.1	8.15	135.7	9.72	147.6	11.36	160.6	12.78	165.4	13.13	171.8	13.47	176.6	13.61
		76.2	125.1	7.92	135.7	9.51	147.6	11.13	160.6	12.52	165.4	12.90	171.8	13.22	176.6	13.25
100	50	20.3	149.8	2.89	162.2	3.35	176.6	3.85	192.0	4.39	197.8	4.45	205.4	4.60	211.2	4.69
		26.4	149.8	2.83	162.2	3.30	176.6	3.80	192.0	4.32	197.8	4.39	205.4	4.53	211.2	4.62
		50.8	149.8	2.60	162.2	3.07	176.6	3.57	192.0	4.04	197.8	4.13	205.4	4.23	211.2	4.32
		63.5	149.8	2.52	162.2	3.00	176.6	3.48	192.0	3.96	197.8	4.04	205.4	4.14	211.2	4.18
		76.2	149.8	2.44	162.2	2.93	176.6	3.39	192.0	3.88	197.8	3.95	205.4	4.05	211.2	4.04
	59	20.3	149.8	3.90	162.2	4.53	176.6	5.26	192.0	5.94	197.8	6.06	205.4	6.23	211.2	6.34
		26.4	149.8	3.82	162.2	4.45	176.6	5.17	192.0	5.84	197.8	5.97	205.4	6.13	211.2	6.24
		50.8	149.8	3.52	162.2	4.17	176.6	4.85	192.0	5.46	197.8	5.59	205.4	5.73	211.2	5.84
		63.5	149.8	3.41	162.2	4.07	176.6	4.74	192.0	5.36	197.8	5.48	205.4	5.63	211.2	5.68
		76.2	149.8	3.30	162.2	3.97	176.6	4.63	192.0	5.26	197.8	5.37	205.4	5.53	211.2	5.52
	67	20.3	149.8	4.80	162.2	5.57	176.6	6.51	192.0	7.31	197.8	7.50	205.4	7.68	211.2	7.80
		26.4	149.8	4.71	162.2	5.48	176.6	6.40	192.0	7.19	197.8	7.37	205.4	7.55	211.2	7.68
		50.8	149.8	4.33	162.2	5.14	176.6	5.99	192.0	6.73	197.8	6.89	205.4	7.07	211.2	7.19
		63.5	149.8	4.20	162.2	5.03	176.6	5.86	192.0	6.60	197.8	6.76	205.4	6.94	211.2	7.01
		76.2	149.8	4.07	162.2	4.92	176.6	5.73	192.0	6.47	197.8	6.63	205.4	6.81	211.2	6.83
	75	20.3	149.8	5.85	162.2	6.80	176.6	7.92	192.0	8.93	197.8	9.15	205.4	9.36	211.2	9.53
		26.4	149.8	5.73	162.2	6.69	176.6	7.79	192.0	8.78	197.8	9.00	205.4	9.21	211.2	9.38
		50.8	149.8	5.28	162.2	6.26	176.6	7.28	192.0	8.20	197.8	8.40	205.4	8.62	211.2	8.78
		63.5	149.8	5.14	162.2	6.13	176.6	7.14	192.0	8.04	197.8	8.24	205.4	8.46	211.2	8.55
		76.2	149.8	5.00	162.2	6.00	176.6	7.00	192.0	7.88	197.8	8.08	205.4	8.30	211.2	8.32
	86	20.3	149.8	7.19	162.2	8.38	176.6	9.75	192.0	10.98	197.8	11.23	205.4	11.51	211.2	11.73
		26.4	149.8	7.05	162.2	8.24	176.6	9.59	192.0	10.80	197.8	11.05	205.4	11.32	211.2	11.54
		50.8	149.8	6.49	162.2	7.70	176.6	8.96	192.0	10.10	197.8	10.33	205.4	10.60	211.2	10.80
		63.5	149.8	6.31	162.2	7.54	176.6	8.78	192.0	9.90	197.8	10.15	205.4	10.40	211.2	10.51
		76.2	149.8	6.13	162.2	7.38	176.6	8.60	192.0	9.70	197.8	9.97	205.4	10.20	211.2	10.22
	95	20.3	142.3	7.60	154.2	8.83	167.8	10.28	182.4	11.58	187.8	11.86	195.2	12.15	200.6	12.37
		26.4	142.3	7.45	154.2	8.69	167.8	10.12	182.4	11.40	187.8	11.67	195.2	11.95	200.6	12.17
		50.8	142.3	6.85	154.2	8.13	167.8	9.47	182.4	10.66	187.8	10.91	195.2	11.20	200.6	11.40
		63.5	142.3	6.67	154.2	7.95	167.8	9.27	182.4	10.46	187.8	10.71	195.2	10.98	200.6	11.09
		76.2	142.3	6.49	154.2	7.77	167.8	9.07	182.4	10.26	187.8	10.51	195.2	10.76	200.6	10.78
	104	20.3	134.7	8.54	146.0	9.91	159.0	11.55	172.8	12.99	178.0	13.30	185.0	13.63	190.0	13.87
		26.4	134.7	8.37	146.0	9.75	159.0	11.36	172.8	12.78	178.0	13.09	185.0	13.41	190.0	13.65
		50.8	134.7	7.68	146.0	9.12	159.0	10.62	172.8	11.95	178.0	12.24	185.0	12.55	190.0	12.78
		63.5	134.7	7.48	146.0	8.93	159.0	10.40	172.8	11.72	178.0	12.01	185.0	12.31	190.0	12.44
		76.2	134.7	7.28	146.0	8.74	159.0	10.18	172.8	11.49	178.0	11.78	185.0	12.07	190.0	12.10
	113	20.3	127.1	9.48	137.7	11.00	150.2	12.81	163.2	14.40	168.2	14.75	174.8	15.12	179.4	15.37
		26.4	127.1	9.29	137.7	10.82	150.2	12.60	163.2	14.17	168.2	14.51	174.8	14.88	179.4	15.13
		50.8	127.1	8.51	137.7	10.12	150.2	11.77	163.2	13.25	168.2	13.58	174.8	13.90	179.4	14.17
		63.5	127.1	8.29	137.7	9.90	150.2	11.54	163.2	12.98	168.2	13.31	174.8	13.65	179.4	13.79
		76.2	127.1	8.07	137.7	9.68	150.2	11.31	163.2	12.71	168.2	13.04	174.8	13.40	179.4	13.41
90	50	20.3	134.7	2.45	146.0	2.85	159.0	3.33	172.8	3.77	178.0	3.84	185.0	3.92	190.0	4.04
		26.4	134.7	2.41	146.0	2.81	159.0	3.28	172.8	3.71	178.0	3.78	185.0	3.87	190.0	3.97
		50.8	134.7	2.24	146.0	2.65	159.0	3.07	172.8	3.49	178.0	3.56	185.0	3.66	190.0	3.71
		63.5	134.7	2.17	146.0	2.56	159.0	3.02	172.8	3.38	178.0	3.49	185.0	3.59	190.0	3.59
		76.2	134.7	2.10	146.0	2.47	159.0	2.97	172.8	3.27	178.0	3.42	185.0	3.52	190.0	3.47

TC = Total Capacity (MBh).  
PI = Power Input (kW) (includes compressor and controls).  
The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM192BAS5

192,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	59	20.3	134.7	3.35	146.0	3.88	159.0	4.53	172.8	5.11	178.0	5.22	185.0	5.35	190.0	5.46
		26.4	134.7	3.28	146.0	3.82	159.0	4.45	172.8	5.03	178.0	5.14	185.0	5.26	190.0	5.37
		50.8	134.7	3.03	146.0	3.59	159.0	4.17	172.8	4.71	178.0	4.81	185.0	4.94	190.0	5.03
		63.5	134.7	2.94	146.0	3.50	159.0	4.09	172.8	4.60	178.0	4.72	185.0	4.85	190.0	4.89
		76.2	134.7	2.85	146.0	3.41	159.0	4.01	172.8	4.49	178.0	4.63	185.0	4.76	190.0	4.75
	67	20.3	134.7	4.14	146.0	4.80	159.0	5.59	172.8	6.31	178.0	6.45	185.0	6.62	190.0	6.72
		26.4	134.7	4.06	146.0	4.72	159.0	5.50	172.8	6.20	178.0	6.35	185.0	6.51	190.0	6.62
		50.8	134.7	3.73	146.0	4.42	159.0	5.14	172.8	5.79	178.0	5.93	185.0	6.08	190.0	6.20
		63.5	134.7	3.62	146.0	4.33	159.0	5.05	172.8	5.68	178.0	5.82	185.0	5.97	190.0	6.04
		76.2	134.7	3.51	146.0	4.24	159.0	4.96	172.8	5.57	178.0	5.71	185.0	5.86	190.0	5.88
	75	20.3	134.7	5.04	146.0	5.87	159.0	6.82	172.8	7.68	178.0	7.86	185.0	8.06	190.0	8.21
		26.4	134.7	4.94	146.0	5.77	159.0	6.71	172.8	7.55	178.0	7.74	185.0	7.93	190.0	8.08
		50.8	134.7	4.54	146.0	5.39	159.0	6.27	172.8	7.07	178.0	7.23	185.0	7.43	190.0	7.55
		63.5	134.7	4.42	146.0	5.26	159.0	6.15	172.8	6.92	178.0	7.10	185.0	7.28	190.0	7.36
		76.2	134.7	4.30	146.0	5.13	159.0	6.03	172.8	6.77	178.0	6.97	185.0	7.13	190.0	7.17
	86	20.3	134.7	6.20	146.0	7.20	159.0	8.39	172.8	9.46	178.0	9.67	185.0	9.91	190.0	10.10
		26.4	134.7	6.08	146.0	7.09	159.0	8.26	172.8	9.30	178.0	9.52	185.0	9.75	190.0	9.93
		50.8	134.7	5.59	146.0	6.62	159.0	7.72	172.8	8.69	178.0	8.91	185.0	9.12	190.0	9.29
		63.5	134.7	5.43	146.0	6.49	159.0	7.55	172.8	8.53	178.0	8.73	185.0	8.96	190.0	9.05
		76.2	134.7	5.27	146.0	6.36	159.0	7.38	172.8	8.37	178.0	8.55	185.0	8.80	190.0	8.81
	95	20.3	131.1	6.70	141.9	7.77	154.6	9.05	168.0	10.19	173.0	10.43	179.8	10.68	184.8	10.88
		26.4	131.1	6.56	141.9	7.64	154.6	8.91	168.0	10.02	173.0	10.26	179.8	10.51	184.8	10.71
		50.8	131.1	6.02	141.9	7.14	154.6	8.33	168.0	9.38	173.0	9.59	179.8	9.84	184.8	10.02
		63.5	131.1	5.86	141.9	7.00	154.6	8.15	168.0	9.20	173.0	9.43	179.8	9.66	184.8	9.75
		76.2	131.1	5.70	141.9	6.86	154.6	7.97	168.0	9.02	173.0	9.27	179.8	9.48	184.8	9.48
	104	20.3	127.3	7.69	137.9	8.93	150.2	10.39	163.2	11.71	168.2	11.98	174.6	12.28	179.6	12.49
		26.4	127.3	7.54	137.9	8.78	150.2	10.22	163.2	11.52	168.2	11.79	174.6	12.08	179.6	12.30
		50.8	127.3	6.92	137.9	8.20	150.2	9.57	163.2	10.76	168.2	11.03	174.6	11.31	179.6	11.52
		63.5	127.3	6.73	137.9	8.04	150.2	9.38	163.2	10.57	168.2	10.82	174.6	11.11	179.6	11.21
		76.2	127.3	6.54	137.9	7.88	150.2	9.19	163.2	10.38	168.2	10.61	174.6	10.91	179.6	10.90
	113	20.3	123.5	8.68	133.9	10.08	145.8	11.72	158.4	13.24	163.4	13.54	169.4	13.87	174.4	14.10
		26.4	123.5	8.51	133.9	9.92	145.8	11.54	158.4	13.02	163.4	13.32	169.4	13.65	174.4	13.88
		50.8	123.5	7.83	133.9	9.27	145.8	10.82	158.4	12.15	163.4	12.48	169.4	12.77	174.4	13.02
		63.5	123.5	7.59	133.9	9.09	145.8	10.60	158.4	11.94	163.4	12.21	169.4	12.55	174.4	12.68
		76.2	123.5	7.35	133.9	8.91	145.8	10.38	158.4	11.73	163.4	11.94	169.4	12.33	174.4	12.34
80	50	20.3	119.7	2.10	129.7	2.39	141.3	2.78	153.6	3.18	158.2	3.22	164.4	3.32	169.0	3.35
		26.4	119.7	2.05	129.7	2.36	141.3	2.74	153.6	3.12	158.2	3.17	164.4	3.26	169.0	3.29
		50.8	119.7	1.85	129.7	2.24	141.3	2.59	153.6	2.90	158.2	2.98	164.4	3.03	169.0	3.09
		63.5	119.7	1.84	129.7	2.17	141.3	2.53	153.6	2.84	158.2	2.89	164.4	2.98	169.0	3.02
		76.2	119.7	1.83	129.7	2.10	141.3	2.47	153.6	2.78	158.2	2.80	164.4	2.93	169.0	2.95
	59	20.3	119.7	2.82	129.7	3.26	141.3	3.79	153.6	4.29	158.2	4.38	164.4	4.49	169.0	4.56
		26.4	119.7	2.76	129.7	3.21	141.3	3.73	153.6	4.22	158.2	4.31	164.4	4.42	169.0	4.49
		50.8	119.7	2.52	129.7	3.01	141.3	3.50	153.6	3.93	158.2	4.04	164.4	4.13	169.0	4.20
		63.5	119.7	2.47	129.7	2.94	141.3	3.43	153.6	3.86	158.2	3.95	164.4	4.06	169.0	4.09
		76.2	119.7	2.42	129.7	2.87	141.3	3.36	153.6	3.79	158.2	3.86	164.4	3.99	169.0	3.98
	67	20.3	119.7	3.46	129.7	4.03	141.3	4.69	153.6	5.28	158.2	5.41	164.4	5.53	169.0	5.64
		26.4	119.7	3.39	129.7	3.97	141.3	4.62	153.6	5.19	158.2	5.32	164.4	5.45	169.0	5.55
		50.8	119.7	3.12	129.7	3.70	141.3	4.31	153.6	4.85	158.2	4.98	164.4	5.10	169.0	5.19
		63.5	119.7	3.03	129.7	3.62	141.3	4.22	153.6	4.76	158.2	4.89	164.4	5.01	169.0	5.05
		76.2	119.7	2.94	129.7	3.54	141.3	4.13	153.6	4.67	158.2	4.80	164.4	4.92	169.0	4.91
	75	20.3	119.7	4.23	129.7	4.91	141.3	5.72	153.6	6.43	158.2	6.60	164.4	6.76	169.0	6.87
		26.4	119.7	4.15	129.7	4.83	141.3	5.63	153.6	6.33	158.2	6.49	164.4	6.65	169.0	6.76
		50.8	119.7	3.80	129.7	4.51	141.3	5.26	153.6	5.93	158.2	6.06	164.4	6.22	169.0	6.33
		63.5	119.7	3.70	129.7	4.42	141.3	5.16	153.6	5.81	158.2	5.95	164.4	6.11	169.0	6.17
		76.2	119.7	3.60	129.7	4.33	141.3	5.06	153.6	5.69	158.2	5.84	164.4	6.00	169.0	6.01

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	20.3	119.7	5.18	129.7	6.03	141.3	7.04	153.6	7.92	158.2	8.10	164.4	8.30	169.0	8.47
		26.4	119.7	5.08	129.7	5.93	141.3	6.92	153.6	7.79	158.2	7.97	164.4	8.17	169.0	8.33
		50.8	119.7	4.69	129.7	5.55	141.3	6.47	153.6	7.28	158.2	7.46	164.4	7.64	169.0	7.79
		63.5	119.7	4.56	129.7	5.43	141.3	6.33	153.6	7.14	158.2	7.32	164.4	7.50	169.0	7.59
		76.2	119.7	4.43	129.7	5.31	141.3	6.19	153.6	7.00	158.2	7.18	164.4	7.36	169.0	7.39
	95	20.3	119.7	5.78	129.7	6.71	141.3	7.80	153.6	8.80	158.2	9.02	164.4	9.24	169.0	9.40
		26.4	119.7	5.66	129.7	6.60	141.3	7.68	153.6	8.65	158.2	8.87	164.4	9.09	169.0	9.25
		50.8	119.7	5.21	129.7	6.17	141.3	7.19	153.6	8.10	158.2	8.29	164.4	8.49	169.0	8.65
		63.5	119.7	5.07	129.7	6.04	141.3	7.05	153.6	7.93	158.2	8.13	164.4	8.35	169.0	8.42
		76.2	119.7	4.93	129.7	5.91	141.3	6.91	153.6	7.76	158.2	7.97	164.4	8.21	169.0	8.19
	104	20.3	119.7	6.84	129.7	7.96	141.3	9.26	153.6	10.43	158.2	10.67	164.4	10.94	169.0	11.12
		26.4	119.7	6.71	129.7	7.83	141.3	9.11	153.6	10.26	158.2	10.49	164.4	10.76	169.0	10.94
		50.8	119.7	6.17	129.7	7.30	141.3	8.51	153.6	9.59	158.2	9.81	164.4	10.06	169.0	10.24
		63.5	119.7	5.99	129.7	7.16	141.3	8.33	153.6	9.39	158.2	9.63	164.4	9.88	169.0	9.97
		76.2	119.7	5.81	129.7	7.02	141.3	8.15	153.6	9.19	158.2	9.45	164.4	9.70	169.0	9.70
	113	20.3	119.7	7.91	129.7	9.21	141.3	10.71	153.6	12.06	158.2	12.32	164.4	12.65	169.0	12.84
		26.4	119.7	7.75	129.7	9.05	141.3	10.53	153.6	11.86	158.2	12.12	164.4	12.44	169.0	12.64
		50.8	119.7	7.12	129.7	8.44	141.3	9.83	153.6	11.09	158.2	11.32	164.4	11.63	169.0	11.83
		63.5	119.7	6.91	129.7	8.28	141.3	9.61	153.6	10.85	158.2	11.12	164.4	11.41	169.0	11.52
		76.2	119.7	6.70	129.7	8.12	141.3	9.39	153.6	10.61	158.2	10.92	164.4	11.19	169.0	11.21
70	50	20.3	104.9	1.71	113.5	1.99	123.7	2.30	134.3	2.60	138.3	2.70	143.7	2.77	147.8	2.78
		26.4	104.9	1.68	113.5	1.96	123.7	2.27	134.3	2.56	138.3	2.65	143.7	2.72	147.8	2.74
		50.8	104.9	1.56	113.5	1.82	123.7	2.13	134.3	2.43	138.3	2.48	143.7	2.55	147.8	2.59
		63.5	104.9	1.53	113.5	1.79	123.7	2.10	134.3	2.36	138.3	2.41	143.7	2.48	147.8	2.52
		76.2	104.9	1.50	113.5	1.76	123.7	2.07	134.3	2.29	138.3	2.34	143.7	2.41	147.8	2.45
	59	20.3	104.9	2.34	113.5	2.71	123.7	3.15	134.3	3.55	138.3	3.65	143.7	3.74	147.8	3.79
		26.4	104.9	2.29	113.5	2.67	123.7	3.10	134.3	3.50	138.3	3.59	143.7	3.68	147.8	3.73
		50.8	104.9	2.11	113.5	2.49	123.7	2.90	134.3	3.28	138.3	3.35	143.7	3.44	147.8	3.50
		63.5	104.9	2.06	113.5	2.43	123.7	2.85	134.3	3.21	138.3	3.28	143.7	3.37	147.8	3.41
		76.2	104.9	2.01	113.5	2.37	123.7	2.80	134.3	3.14	138.3	3.21	143.7	3.30	147.8	3.32
	67	20.3	104.9	2.89	113.5	3.35	123.7	3.90	134.3	4.40	138.3	4.49	143.7	4.60	147.8	4.69
		26.4	104.9	2.83	113.5	3.30	123.7	3.84	134.3	4.33	138.3	4.42	143.7	4.53	147.8	4.62
		50.8	104.9	2.60	113.5	3.08	123.7	3.59	134.3	4.04	138.3	4.13	143.7	4.24	147.8	4.31
		63.5	104.9	2.52	113.5	3.01	123.7	3.52	134.3	3.97	138.3	4.06	143.7	4.17	147.8	4.20
		76.2	104.9	2.44	113.5	2.94	123.7	3.45	134.3	3.90	138.3	3.99	143.7	4.10	147.8	4.09
	75	20.3	104.9	3.51	113.5	4.09	123.7	4.74	134.3	5.35	138.3	5.48	143.7	5.60	147.8	5.72
		26.4	104.9	3.44	113.5	4.02	123.7	4.67	134.3	5.26	138.3	5.39	143.7	5.52	147.8	5.63
		50.8	104.9	3.17	113.5	3.75	123.7	4.38	134.3	4.92	138.3	5.05	143.7	5.17	147.8	5.26
		63.5	104.9	3.08	113.5	3.68	123.7	4.29	134.3	4.83	138.3	4.94	143.7	5.07	147.8	5.12
		76.2	104.9	2.99	113.5	3.61	123.7	4.20	134.3	4.74	138.3	4.83	143.7	4.97	147.8	4.98
	86	20.3	104.9	4.32	113.5	5.02	123.7	5.85	134.3	6.58	138.3	6.74	143.7	6.91	147.8	7.04
		26.4	104.9	4.24	113.5	4.94	123.7	5.75	134.3	6.47	138.3	6.64	143.7	6.80	147.8	6.92
		50.8	104.9	3.89	113.5	4.62	123.7	5.37	134.3	6.06	138.3	6.20	143.7	6.36	147.8	6.47
		63.5	104.9	3.79	113.5	4.53	123.7	5.26	134.3	5.93	138.3	6.09	143.7	6.24	147.8	6.31
		76.2	104.9	3.69	113.5	4.44	123.7	5.15	134.3	5.80	138.3	5.98	143.7	6.12	147.8	6.15
	95	20.3	104.9	4.80	113.5	5.57	123.7	6.51	134.3	7.31	138.3	7.50	143.7	7.68	147.8	7.80
		26.4	104.9	4.71	113.5	5.48	123.7	6.40	134.3	7.19	138.3	7.37	143.7	7.55	147.8	7.68
		50.8	104.9	4.33	113.5	5.14	123.7	5.97	134.3	6.73	138.3	6.89	143.7	7.07	147.8	7.19
		63.5	104.9	4.20	113.5	5.01	123.7	5.86	134.3	6.60	138.3	6.76	143.7	6.94	147.8	7.01
		76.2	104.9	4.07	113.5	4.88	123.7	5.75	134.3	6.47	138.3	6.63	143.7	6.81	147.8	6.83
	104	20.3	104.9	5.69	113.5	6.60	123.7	7.70	134.3	8.67	138.3	8.87	143.7	9.09	147.8	9.25
		26.4	104.9	5.57	113.5	6.49	123.7	7.57	134.3	8.53	138.3	8.73	143.7	8.94	147.8	9.11
		50.8	104.9	5.12	113.5	6.08	123.7	7.09	134.3	7.97	138.3	8.17	143.7	8.37	147.8	8.53
		63.5	104.9	4.98	113.5	5.95	123.7	6.92	134.3	7.81	138.3	8.01	143.7	8.22	147.8	8.29
		76.2	104.9	4.84	113.5	5.82	123.7	6.75	134.3	7.65	138.3	7.85	143.7	8.07	147.8	8.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA



ARWM192BAS5

192,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	113	20.3	104.9	6.57	113.5	7.62	123.7	8.88	134.3	10.03	138.3	10.24	143.7	10.50	147.8	10.70
		26.4	104.9	6.44	113.5	7.50	123.7	8.74	134.3	9.86	138.3	10.08	143.7	10.33	147.8	10.53
		50.8	104.9	5.91	113.5	7.01	123.7	8.20	134.3	9.21	138.3	9.45	143.7	9.66	147.8	9.86
		63.5	104.9	5.75	113.5	6.89	123.7	7.99	134.3	9.02	138.3	9.25	143.7	9.50	147.8	9.57
		76.2	104.9	5.59	113.5	6.77	123.7	7.78	134.3	8.83	138.3	9.05	143.7	9.34	147.8	9.28
60	50	20.3	89.9	1.36	97.3	1.59	105.9	1.82	115.1	2.10	118.7	2.16	123.3	2.18	126.7	2.21
		26.4	89.9	1.33	97.3	1.56	105.9	1.80	115.1	2.06	118.7	2.12	123.3	2.15	126.7	2.18
		50.8	89.9	1.23	97.3	1.46	105.9	1.72	115.1	1.92	118.7	1.96	123.3	2.03	126.7	2.06
		63.5	89.9	1.18	97.3	1.44	105.9	1.68	115.1	1.89	118.7	1.92	123.3	1.98	126.7	2.01
		76.2	89.9	1.13	97.3	1.42	105.9	1.64	115.1	1.86	118.7	1.88	123.3	1.93	126.7	1.96
	59	20.3	89.9	1.86	97.3	2.16	105.9	2.51	115.1	2.84	118.7	2.92	123.3	2.97	126.7	3.02
		26.4	89.9	1.82	97.3	2.13	105.9	2.47	115.1	2.79	118.7	2.87	123.3	2.92	126.7	2.98
		50.8	89.9	1.68	97.3	1.98	105.9	2.33	115.1	2.61	118.7	2.67	123.3	2.74	126.7	2.79
		63.5	89.9	1.62	97.3	1.95	105.9	2.27	115.1	2.56	118.7	2.61	123.3	2.69	126.7	2.72
		76.2	89.9	1.56	97.3	1.92	105.9	2.21	115.1	2.51	118.7	2.55	123.3	2.64	126.7	2.65
	67	20.3	89.9	2.30	97.3	2.68	105.9	3.12	115.1	3.50	118.7	3.59	123.3	3.67	126.7	3.74
		26.4	89.9	2.25	97.3	2.63	105.9	3.07	115.1	3.44	118.7	3.53	123.3	3.61	126.7	3.68
		50.8	89.9	2.07	97.3	2.45	105.9	2.87	115.1	3.23	118.7	3.30	123.3	3.37	126.7	3.44
		63.5	89.9	2.02	97.3	2.40	105.9	2.79	115.1	3.16	118.7	3.23	123.3	3.32	126.7	3.35
		76.2	89.9	1.97	97.3	2.35	105.9	2.71	115.1	3.09	118.7	3.16	123.3	3.27	126.7	3.26
	75	20.3	89.9	2.80	97.3	3.26	105.9	3.80	115.1	4.27	118.7	4.36	123.3	4.47	126.7	4.56
		26.4	89.9	2.74	97.3	3.21	105.9	3.73	115.1	4.20	118.7	4.29	123.3	4.40	126.7	4.49
		50.8	89.9	2.52	97.3	2.99	105.9	3.48	115.1	3.93	118.7	4.02	123.3	4.13	126.7	4.20
		63.5	89.9	2.45	97.3	2.92	105.9	3.41	115.1	3.84	118.7	3.95	123.3	4.04	126.7	4.09
		76.2	89.9	2.38	97.3	2.85	105.9	3.34	115.1	3.75	118.7	3.88	123.3	3.95	126.7	3.98
	86	20.3	89.9	3.44	97.3	3.99	105.9	4.65	115.1	5.24	118.7	5.37	123.3	5.50	126.7	5.61
		26.4	89.9	3.37	97.3	3.93	105.9	4.58	115.1	5.16	118.7	5.28	123.3	5.41	126.7	5.52
		50.8	89.9	3.10	97.3	3.68	105.9	4.29	115.1	4.83	118.7	4.94	123.3	5.07	126.7	5.16
		63.5	89.9	3.01	97.3	3.61	105.9	4.20	115.1	4.74	118.7	4.85	123.3	4.98	126.7	5.03
		76.2	89.9	2.92	97.3	3.54	105.9	4.11	115.1	4.65	118.7	4.76	123.3	4.89	126.7	4.90
	95	20.3	89.9	3.83	97.3	4.45	105.9	5.19	115.1	5.82	118.7	5.97	123.3	6.12	126.7	6.23
		26.4	89.9	3.75	97.3	4.38	105.9	5.10	115.1	5.73	118.7	5.88	123.3	6.02	126.7	6.13
		50.8	89.9	3.44	97.3	4.09	105.9	4.76	115.1	5.37	118.7	5.50	123.3	5.63	126.7	5.73
		63.5	89.9	3.35	97.3	4.00	105.9	4.67	115.1	5.26	118.7	5.39	123.3	5.54	126.7	5.59
		76.2	89.9	3.26	97.3	3.91	105.9	4.58	115.1	5.15	118.7	5.28	123.3	5.45	126.7	5.45
	104	20.3	89.9	4.52	97.3	5.26	105.9	6.14	115.1	6.91	118.7	7.07	123.3	7.24	126.7	7.38
		26.4	89.9	4.44	97.3	5.17	105.9	6.04	115.1	6.80	118.7	6.96	123.3	7.12	126.7	7.27
		50.8	89.9	4.09	97.3	4.85	105.9	5.64	115.1	6.35	118.7	6.51	123.3	6.67	126.7	6.80
		63.5	89.9	3.97	97.3	4.74	105.9	5.54	115.1	6.22	118.7	6.38	123.3	6.55	126.7	6.62
		76.2	89.9	3.85	97.3	4.63	105.9	5.44	115.1	6.09	118.7	6.25	123.3	6.43	126.7	6.44
	113	20.3	89.9	5.22	97.3	6.06	105.9	7.09	115.1	8.00	118.7	8.17	123.3	8.35	126.7	8.54
		26.4	89.9	5.12	97.3	5.97	105.9	6.98	115.1	7.86	118.7	8.04	123.3	8.22	126.7	8.40
		50.8	89.9	4.74	97.3	5.61	105.9	6.53	115.1	7.32	118.7	7.52	123.3	7.72	126.7	7.86
		63.5	89.9	4.58	97.3	5.48	105.9	6.40	115.1	7.18	118.7	7.37	123.3	7.55	126.7	7.64
		76.2	89.9	4.42	97.3	5.35	105.9	6.27	115.1	7.04	118.7	7.22	123.3	7.38	126.7	7.42
50	50	20.3	74.9	1.01	81.1	1.18	88.3	1.42	96.1	1.55	98.9	1.58	102.7	1.65	105.5	1.66
		26.4	74.9	0.99	81.1	1.16	88.3	1.39	96.1	1.53	98.9	1.56	102.7	1.61	105.5	1.63
		50.8	74.9	0.90	81.1	1.09	88.3	1.28	96.1	1.44	98.9	1.49	102.7	1.49	105.5	1.53
		63.5	74.9	0.88	81.1	1.10	88.3	1.25	96.1	1.40	98.9	1.42	102.7	1.47	105.5	1.47
		76.2	74.9	0.86	81.1	1.11	88.3	1.22	96.1	1.36	98.9	1.35	102.7	1.45	105.5	1.41
	59	20.3	74.9	1.38	81.1	1.61	88.3	1.89	96.1	2.11	98.9	2.16	102.7	2.22	105.5	2.25
		26.4	74.9	1.35	81.1	1.59	88.3	1.86	96.1	2.07	98.9	2.13	102.7	2.18	105.5	2.22
		50.8	74.9	1.24	81.1	1.48	88.3	1.73	96.1	1.95	98.9	2.00	102.7	2.04	105.5	2.07
		63.5	74.9	1.21	81.1	1.46	88.3	1.69	96.1	1.91	98.9	1.95	102.7	2.00	105.5	2.02
		76.2	74.9	1.18	81.1	1.44	88.3	1.65	96.1	1.87	98.9	1.90	102.7	1.96	105.5	1.97

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).





# COOLING CAPACITY DATA

ARWM192BAS5

192,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	67	20.3	74.9	1.71	81.1	2.00	88.3	2.31	96.1	2.60	98.9	2.68	102.7	2.73	105.5	2.79
		26.4	74.9	1.68	81.1	1.97	88.3	2.27	96.1	2.56	98.9	2.63	102.7	2.69	105.5	2.74
		50.8	74.9	1.55	81.1	1.82	88.3	2.13	96.1	2.40	98.9	2.45	102.7	2.52	105.5	2.56
		63.5	74.9	1.50	81.1	1.79	88.3	2.09	96.1	2.36	98.9	2.42	102.7	2.47	105.5	2.51
		76.2	74.9	1.45	81.1	1.76	88.3	2.05	96.1	2.32	98.9	2.39	102.7	2.42	105.5	2.46
	75	20.3	74.9	2.08	81.1	2.42	88.3	2.82	96.1	3.19	98.9	3.26	102.7	3.34	105.5	3.39
		26.4	74.9	2.04	81.1	2.38	88.3	2.78	96.1	3.14	98.9	3.21	102.7	3.28	105.5	3.34
		50.8	74.9	1.88	81.1	2.24	88.3	2.60	96.1	2.92	98.9	2.99	102.7	3.07	105.5	3.14
		63.5	74.9	1.82	81.1	2.18	88.3	2.54	96.1	2.87	98.9	2.94	102.7	3.01	105.5	3.05
		76.2	74.9	1.76	81.1	2.12	88.3	2.48	96.1	2.82	98.9	2.89	102.7	2.95	105.5	2.96
	86	20.3	74.9	2.58	81.1	2.99	88.3	3.48	96.1	3.92	98.9	4.02	102.7	4.10	105.5	4.18
		26.4	74.9	2.52	81.1	2.94	88.3	3.43	96.1	3.86	98.9	3.95	102.7	4.04	105.5	4.11
		50.8	74.9	2.31	81.1	2.74	88.3	3.19	96.1	3.61	98.9	3.68	102.7	3.79	105.5	3.84
		63.5	74.9	2.25	81.1	2.69	88.3	3.14	96.1	3.53	98.9	3.62	102.7	3.71	105.5	3.75
		76.2	74.9	2.19	81.1	2.64	88.3	3.09	96.1	3.45	98.9	3.56	102.7	3.63	105.5	3.66
	95	20.3	74.9	2.85	81.1	3.32	88.3	3.87	96.1	4.34	98.9	4.45	102.7	4.56	105.5	4.63
		26.4	74.9	2.79	81.1	3.26	88.3	3.80	96.1	4.27	98.9	4.38	102.7	4.49	105.5	4.56
		50.8	74.9	2.58	81.1	3.05	88.3	3.55	96.1	4.00	98.9	4.09	102.7	4.20	105.5	4.27
		63.5	74.9	2.51	81.1	2.99	88.3	3.48	96.1	3.93	98.9	4.02	102.7	4.13	105.5	4.17
		76.2	74.9	2.44	81.1	2.93	88.3	3.41	96.1	3.86	98.9	3.95	102.7	4.06	105.5	4.07
	104	20.3	74.9	3.39	81.1	3.92	88.3	4.59	96.1	5.15	98.9	5.28	102.7	5.41	105.5	5.50
		26.4	74.9	3.32	81.1	3.86	88.3	4.51	96.1	5.07	98.9	5.19	102.7	5.32	105.5	5.41
		50.8	74.9	3.05	81.1	3.61	88.3	4.20	96.1	4.74	98.9	4.85	102.7	4.98	105.5	5.07
		63.5	74.9	2.96	81.1	3.53	88.3	4.13	96.1	4.65	98.9	4.76	102.7	4.89	105.5	4.92
		76.2	74.9	2.87	81.1	3.45	88.3	4.06	96.1	4.56	98.9	4.67	102.7	4.80	105.5	4.77
	113	20.3	74.9	3.92	81.1	4.53	88.3	5.30	96.1	5.96	98.9	6.10	102.7	6.25	105.5	6.36
		26.4	74.9	3.84	81.1	4.45	88.3	5.21	96.1	5.86	98.9	6.00	102.7	6.15	105.5	6.26
		50.8	74.9	3.52	81.1	4.17	88.3	4.85	96.1	5.48	98.9	5.61	102.7	5.75	105.5	5.86
		63.5	74.9	3.41	81.1	4.07	88.3	4.78	96.1	5.37	98.9	5.50	102.7	5.64	105.5	5.68
		76.2	74.9	3.30	81.1	3.97	88.3	4.71	96.1	5.26	98.9	5.39	102.7	5.53	105.5	5.50

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM216BAS5

216,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
130	50	22.4	200.8	4.20	217.5	4.92	236.7	5.73	257.2	6.43	265.1	6.57	275.5	6.79	283.2	6.88
		28.4	200.8	4.12	217.5	4.84	236.7	5.64	257.2	6.33	265.1	6.48	275.5	6.67	283.2	6.78
		55.8	200.8	3.82	217.5	4.49	236.7	5.24	257.2	5.91	265.1	6.09	275.5	6.22	283.2	6.37
		69.8	200.8	3.71	217.5	4.43	236.7	5.16	257.2	5.78	265.1	5.96	275.5	6.11	283.2	6.19
		83.0	200.8	3.61	217.5	4.37	236.7	5.08	257.2	5.66	265.1	5.84	275.5	6.01	283.2	6.02
	59	22.3	197.5	5.54	214.0	6.45	232.9	7.52	253.2	8.45	260.8	8.65	271.0	8.88	278.6	9.03
		27.9	197.5	5.43	214.0	6.34	232.9	7.39	253.2	8.31	260.8	8.51	271.0	8.74	278.6	8.89
		55.8	197.5	5.00	214.0	5.92	232.9	6.90	253.2	7.77	260.8	7.98	271.0	8.18	278.6	8.36
		61.4	197.5	4.87	214.0	5.81	232.9	6.77	253.2	7.62	260.8	7.82	271.0	8.02	278.6	8.15
		67.0	197.5	4.74	214.0	5.70	232.9	6.64	253.2	7.47	260.8	7.66	271.0	7.86	278.6	7.94
	67	22.3	194.6	6.73	210.8	7.81	229.5	9.11	249.6	10.24	257.0	10.49	266.9	10.73	274.6	10.93
		27.9	194.6	6.59	210.8	7.69	229.5	8.96	249.6	10.08	257.0	10.32	266.9	10.57	274.6	10.77
		55.8	194.6	6.05	210.8	7.19	229.5	8.38	249.6	9.43	257.0	9.65	266.9	9.92	274.6	10.12
		61.4	194.6	5.90	210.8	7.04	229.5	8.20	249.6	9.25	257.0	9.47	266.9	9.72	274.6	9.90
		67.0	194.6	5.75	210.8	6.89	229.5	8.02	249.6	9.07	257.0	9.29	266.9	9.52	274.6	9.68
	75	22.3	194.6	8.30	210.8	9.62	229.5	11.22	249.6	12.65	257.0	12.94	266.9	13.25	274.6	13.47
		27.9	194.6	8.13	210.8	9.47	229.5	11.04	249.6	12.44	257.0	12.73	266.9	13.05	274.6	13.27
		55.8	194.6	7.48	210.8	8.87	229.5	10.32	249.6	11.62	257.0	11.91	266.9	12.24	274.6	12.47
		61.4	194.6	7.26	210.8	8.67	229.5	10.12	249.6	11.39	257.0	11.68	266.9	12.00	274.6	12.20
		67.0	194.6	7.04	210.8	8.47	229.5	9.92	249.6	11.16	257.0	11.45	266.9	11.76	274.6	11.93
	86	22.3	194.6	9.97	210.8	11.56	229.5	13.46	249.6	15.17	257.0	15.53	266.9	15.91	274.6	16.17
		27.9	194.6	9.76	210.8	11.37	229.5	13.25	249.6	14.92	257.0	15.28	266.9	15.66	274.6	15.93
		55.8	194.6	8.96	210.8	10.63	229.5	12.40	249.6	13.94	257.0	14.30	266.9	14.68	274.6	14.97
		61.4	194.6	8.71	210.8	10.41	229.5	12.13	249.6	13.67	257.0	14.03	266.9	14.39	274.6	14.63
		67.0	194.6	8.46	210.8	10.19	229.5	11.86	249.6	13.40	257.0	13.76	266.9	14.10	274.6	14.29
	95	22.3	175.2	10.05	189.6	11.70	206.5	13.62	224.6	15.32	231.3	15.71	240.3	16.09	247.1	16.35
		27.9	175.2	9.85	189.6	11.51	206.5	13.40	224.6	15.08	231.3	15.46	240.3	15.84	247.1	16.11
		55.8	175.2	9.07	189.6	10.75	206.5	12.53	224.6	14.12	231.3	14.45	240.3	14.83	247.1	15.15
		61.4	175.2	8.82	189.6	10.52	206.5	12.26	224.6	13.83	231.3	14.19	240.3	14.54	247.1	14.79
		67.0	175.2	8.57	189.6	10.29	206.5	11.99	224.6	13.54	231.3	13.93	240.3	14.25	247.1	14.43
	104	22.3	155.6	10.63	168.7	12.33	183.6	14.37	199.6	16.17	205.6	16.55	213.5	16.95	219.6	17.26
		27.9	155.6	10.41	168.7	12.13	183.6	14.14	199.6	15.91	205.6	16.29	213.5	16.69	219.6	17.00
		55.8	155.6	9.56	168.7	11.35	183.6	13.23	199.6	14.88	205.6	15.26	213.5	15.66	219.6	15.97
		61.4	155.6	9.29	168.7	11.10	183.6	12.94	199.6	14.59	205.6	14.97	213.5	15.35	219.6	15.62
		67.0	155.6	9.02	168.7	10.85	183.6	12.65	199.6	14.30	205.6	14.68	213.5	15.04	219.6	15.27
	113	22.3	136.0	11.20	147.8	12.96	160.6	15.12	174.6	17.01	180.0	17.38	186.7	17.80	192.1	18.17
		27.9	136.0	10.97	147.8	12.76	160.6	14.88	174.6	16.73	180.0	17.11	186.7	17.54	192.1	17.89
		55.8	136.0	10.05	147.8	11.95	160.6	13.92	174.6	15.64	180.0	16.06	186.7	16.49	192.1	16.80
		61.4	136.0	9.76	147.8	11.68	160.6	13.61	174.6	15.35	180.0	15.75	186.7	16.15	192.1	16.44
		67.0	136.0	9.47	147.8	11.41	160.6	13.30	174.6	15.06	180.0	15.44	186.7	15.81	192.1	16.08

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
120	50	22.3	190.1	4.01	205.7	4.67	224.2	5.41	243.6	6.09	250.8	6.28	260.7	6.43	267.9	6.50
		27.9	190.1	3.92	205.7	4.59	224.2	5.33	243.6	5.99	250.8	6.17	260.7	6.32	267.9	6.40
		55.8	190.1	3.60	205.7	4.29	224.2	5.00	243.6	5.60	250.8	5.73	260.7	5.88	267.9	6.02
		61.4	190.1	3.49	205.7	4.16	224.2	4.90	243.6	5.47	250.8	5.65	260.7	5.78	267.9	5.89
		67.0	190.1	3.38	205.7	4.03	224.2	4.80	243.6	5.34	250.8	5.57	260.7	5.68	267.9	5.76
	59	22.3	187.8	5.31	203.4	6.18	221.6	7.17	240.8	8.08	248.0	8.29	257.7	8.49	264.9	8.62
		27.9	187.8	5.21	203.4	6.08	221.6	7.06	240.8	7.95	248.0	8.15	257.7	8.36	264.9	8.49
		55.8	187.8	4.78	203.4	5.67	221.6	6.61	240.8	7.44	248.0	7.62	257.7	7.82	264.9	7.98
		61.4	187.8	4.65	203.4	5.54	221.6	6.48	240.8	7.28	248.0	7.48	257.7	7.66	264.9	7.80
		67.0	187.8	4.52	203.4	5.41	221.6	6.35	240.8	7.12	248.0	7.34	257.7	7.50	264.9	7.62
	67	22.3	185.8	6.47	201.4	7.52	219.4	8.74	238.3	9.85	245.5	10.08	255.0	10.32	262.2	10.50
		27.9	185.8	6.34	201.4	7.39	219.4	8.60	238.3	9.70	245.5	9.92	255.0	10.16	262.2	10.34
		55.8	185.8	5.83	201.4	6.90	219.4	8.04	238.3	9.07	245.5	9.29	255.0	9.54	262.2	9.72
		61.4	185.8	5.67	201.4	6.77	219.4	7.89	238.3	8.89	245.5	9.11	255.0	9.34	262.2	9.49
		67.0	185.8	5.51	201.4	6.64	219.4	7.74	238.3	8.71	245.5	8.93	255.0	9.14	262.2	9.26
	75	22.3	185.8	7.95	201.4	9.24	219.4	10.76	238.3	12.10	245.5	12.40	255.0	12.71	262.2	12.93
		27.9	185.8	7.80	201.4	9.09	219.4	10.59	238.3	11.91	245.5	12.20	255.0	12.51	262.2	12.73
		55.8	185.8	7.17	201.4	8.49	219.4	9.90	238.3	11.15	245.5	11.42	255.0	11.71	262.2	11.95
		61.4	185.8	6.97	201.4	8.31	219.4	9.70	238.3	10.92	245.5	11.19	255.0	11.48	262.2	11.66
		67.0	185.8	6.77	201.4	8.13	219.4	9.50	238.3	10.69	245.5	10.96	255.0	11.25	262.2	11.37
	86	22.3	185.8	9.59	201.4	11.17	219.4	13.02	238.3	14.65	245.5	14.98	255.0	15.37	262.2	15.64
		27.9	185.8	9.41	201.4	10.99	219.4	12.80	238.3	14.41	245.5	14.74	255.0	15.12	262.2	15.39
		55.8	185.8	8.67	201.4	10.28	219.4	11.95	238.3	13.47	245.5	13.81	255.0	14.16	262.2	14.43
		61.4	185.8	8.42	201.4	10.05	219.4	11.71	238.3	13.20	245.5	13.54	255.0	13.90	262.2	14.10
		67.0	185.8	8.17	201.4	9.82	219.4	11.47	238.3	12.93	245.5	13.27	255.0	13.64	262.2	13.77
	95	22.3	170.1	9.85	184.2	11.45	200.7	13.33	218.0	15.01	224.6	15.37	233.3	15.72	239.9	16.02
		27.9	170.1	9.65	184.2	11.26	200.7	13.11	218.0	14.77	224.6	15.12	233.3	15.48	239.9	15.77
		55.8	170.1	8.87	184.2	10.52	200.7	12.26	218.0	13.81	224.6	14.14	233.3	14.52	239.9	14.79
		61.4	170.1	8.62	184.2	10.30	200.7	12.02	218.0	13.54	224.6	13.87	233.3	14.23	239.9	14.45
		67.0	170.1	8.37	184.2	10.08	200.7	11.78	218.0	13.27	224.6	13.60	233.3	13.94	239.9	14.11
	104	22.3	154.3	10.60	167.1	12.31	182.0	14.35	198.0	16.14	203.8	16.53	211.7	16.93	217.6	17.24
		27.9	154.3	10.39	167.1	12.11	182.0	14.12	198.0	15.88	203.8	16.26	211.7	16.67	217.6	16.98
		55.8	154.3	9.56	167.1	11.33	182.0	13.20	198.0	14.86	203.8	15.21	211.7	15.62	217.6	15.93
		61.4	154.3	9.29	167.1	11.08	182.0	12.94	198.0	14.57	203.8	14.95	211.7	15.33	217.6	15.55
		67.0	154.3	9.02	167.1	10.83	182.0	12.68	198.0	14.28	203.8	14.69	211.7	15.04	217.6	15.17
	113	22.3	138.5	11.35	150.0	13.17	163.3	15.37	177.9	17.28	183.1	17.69	190.1	18.14	195.3	18.47
		27.9	138.5	11.13	150.0	12.96	163.3	15.12	177.9	17.00	183.1	17.40	190.1	17.85	195.3	18.19
		55.8	138.5	10.25	150.0	12.13	163.3	14.14	177.9	15.91	183.1	16.29	190.1	16.71	195.3	17.07
		61.4	138.5	9.96	150.0	11.86	163.3	13.85	177.9	15.59	183.1	16.02	190.1	16.42	195.3	16.64
		67.0	138.5	9.67	150.0	11.59	163.3	13.56	177.9	15.27	183.1	15.75	190.1	16.13	195.3	16.21

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM216BAS5

216,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combina- tion Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
110	50	22.3	179.2	3.78	194.3	4.37	211.4	5.13	229.7	5.75	236.4	5.88	245.9	6.06	252.4	6.15
		27.9	179.2	3.70	194.3	4.30	211.4	5.04	229.7	5.66	236.4	5.79	245.9	5.96	252.4	6.05
		55.8	179.2	3.40	194.3	4.02	211.4	4.69	229.7	5.29	236.4	5.45	245.9	5.58	252.4	5.66
		61.4	179.2	3.31	194.3	3.94	211.4	4.58	229.7	5.21	236.4	5.29	245.9	5.47	252.4	5.53
		67.0	179.2	3.22	194.3	3.86	211.4	4.47	229.7	5.13	236.4	5.13	245.9	5.36	252.4	5.40
	59	22.3	178.2	5.06	193.0	5.88	210.1	6.86	228.4	7.72	235.1	7.90	244.4	8.11	251.1	8.24
		27.9	178.2	4.96	193.0	5.79	210.1	6.75	228.4	7.60	235.1	7.77	244.4	7.98	251.1	8.11
		55.8	178.2	4.56	193.0	5.41	210.1	6.30	228.4	7.10	235.1	7.28	244.4	7.46	251.1	7.60
		61.4	178.2	4.45	193.0	5.29	210.1	6.17	228.4	6.97	235.1	7.13	244.4	7.33	251.1	7.42
		67.0	178.2	4.34	193.0	5.17	210.1	6.04	228.4	6.84	235.1	6.98	244.4	7.20	251.1	7.24
	67	22.3	177.3	6.20	191.9	7.22	209.0	8.40	227.3	9.47	234.0	9.70	243.0	9.92	250.0	10.10
		27.9	177.3	6.08	191.9	7.10	209.0	8.27	227.3	9.32	234.0	9.54	243.0	9.76	250.0	9.94
		55.8	177.3	5.59	191.9	6.64	209.0	7.73	227.3	8.71	234.0	8.91	243.0	9.14	250.0	9.32
		61.4	177.3	5.45	191.9	6.50	209.0	7.57	227.3	8.53	234.0	8.76	243.0	8.98	250.0	9.09
		67.0	177.3	5.31	191.9	6.36	209.0	7.41	227.3	8.35	234.0	8.61	243.0	8.82	250.0	8.86
	75	22.3	177.3	7.59	191.9	8.83	209.0	10.28	227.3	11.58	234.0	11.85	243.0	12.14	250.0	12.37
		27.9	177.3	7.44	191.9	8.69	209.0	10.12	227.3	11.39	234.0	11.66	243.0	11.95	250.0	12.18
		55.8	177.3	6.86	191.9	8.13	209.0	9.47	227.3	10.66	234.0	10.92	243.0	11.19	250.0	11.42
		61.4	177.3	6.66	191.9	7.95	209.0	9.27	227.3	10.46	234.0	10.70	243.0	10.99	250.0	11.13
		67.0	177.3	6.46	191.9	7.77	209.0	9.07	227.3	10.26	234.0	10.48	243.0	10.79	250.0	10.84
	86	22.3	177.3	9.25	191.9	10.76	209.0	12.54	227.3	14.13	234.0	14.46	243.0	14.80	250.0	15.07
		27.9	177.3	9.07	191.9	10.59	209.0	12.33	227.3	13.90	234.0	14.23	243.0	14.57	250.0	14.83
		55.8	177.3	8.36	191.9	9.90	209.0	11.53	227.3	12.98	234.0	13.31	243.0	13.65	250.0	13.90
		61.4	177.3	8.13	191.9	9.70	209.0	11.30	227.3	12.73	234.0	13.05	243.0	13.38	250.0	13.56
		67.0	177.3	7.90	191.9	9.50	209.0	11.07	227.3	12.48	234.0	12.79	243.0	13.11	250.0	13.22
	95	22.3	165.1	9.64	178.8	11.19	194.8	13.03	211.7	14.69	218.0	15.03	226.6	15.39	232.9	15.69
		27.9	165.1	9.45	178.8	11.01	194.8	12.82	211.7	14.45	218.0	14.79	226.6	15.15	232.9	15.44
		55.8	165.1	8.69	178.8	10.30	194.8	12.00	211.7	13.52	218.0	13.83	226.6	14.19	232.9	14.45
		61.4	165.1	8.44	178.8	10.08	194.8	11.75	211.7	13.25	218.0	13.58	226.6	13.92	232.9	14.10
		67.0	165.1	8.19	178.8	9.86	194.8	11.50	211.7	12.98	218.0	13.33	226.6	13.65	232.9	13.75
	104	22.3	152.9	10.57	165.8	12.31	180.4	14.33	196.2	16.12	202.0	16.51	209.9	16.91	215.8	17.23
		27.9	152.9	10.37	165.8	12.11	180.4	14.10	196.2	15.86	202.0	16.24	209.9	16.64	215.8	16.96
		55.8	152.9	9.54	165.8	11.30	180.4	13.18	196.2	14.83	202.0	15.19	209.9	15.59	215.8	15.88
		61.4	152.9	9.27	165.8	11.06	180.4	12.91	196.2	14.54	202.0	14.92	209.9	15.30	215.8	15.48
		67.0	152.9	9.00	165.8	10.82	180.4	12.64	196.2	14.25	202.0	14.65	209.9	15.01	215.8	15.08
	113	22.3	140.8	11.51	152.7	13.43	166.0	15.62	180.6	17.55	186.0	17.98	193.3	18.43	198.7	18.77
		27.9	140.8	11.28	152.7	13.20	166.0	15.37	180.6	17.27	186.0	17.69	193.3	18.14	198.7	18.48
		55.8	140.8	10.39	152.7	12.31	166.0	14.36	180.6	16.15	186.0	16.55	193.3	17.00	198.7	17.31
		61.4	140.8	10.10	152.7	12.04	166.0	14.07	180.6	15.84	186.0	16.26	193.3	16.69	198.7	16.87
		67.0	140.8	9.81	152.7	11.77	166.0	13.78	180.6	15.53	186.0	15.97	193.3	16.38	198.7	16.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
100	50	22.3	168.5	3.58	182.4	4.16	198.7	4.77	216.0	5.44	222.5	5.51	231.1	5.70	237.6	5.81
		27.9	168.5	3.50	182.4	4.09	198.7	4.70	216.0	5.35	222.5	5.43	231.1	5.61	237.6	5.72
		55.8	168.5	3.23	182.4	3.80	198.7	4.43	216.0	5.01	222.5	5.12	231.1	5.24	237.6	5.35
		61.4	168.5	3.12	182.4	3.72	198.7	4.32	216.0	4.90	222.5	5.01	231.1	5.14	237.6	5.18
		67.0	168.5	3.01	182.4	3.64	198.7	4.21	216.0	4.79	222.5	4.90	231.1	5.04	237.6	5.01
	59	22.3	168.5	4.83	182.4	5.61	198.7	6.51	216.0	7.36	222.5	7.51	231.1	7.72	237.6	7.85
		27.9	168.5	4.74	182.4	5.52	198.7	6.41	216.0	7.24	222.5	7.39	231.1	7.60	237.6	7.73
		55.8	168.5	4.36	182.4	5.16	198.7	6.01	216.0	6.77	222.5	6.93	231.1	7.10	237.6	7.24
		61.4	168.5	4.22	182.4	5.05	198.7	5.88	216.0	6.64	222.5	6.79	231.1	6.97	237.6	7.04
		67.0	168.5	4.08	182.4	4.94	198.7	5.75	216.0	6.51	222.5	6.65	231.1	6.84	237.6	6.84
	67	22.3	168.5	5.95	182.4	6.90	198.7	8.06	216.0	9.06	222.5	9.29	231.1	9.51	237.6	9.67
		27.9	168.5	5.83	182.4	6.79	198.7	7.93	216.0	8.91	222.5	9.14	231.1	9.36	237.6	9.52
		55.8	168.5	5.36	182.4	6.37	198.7	7.42	216.0	8.33	222.5	8.53	231.1	8.76	237.6	8.91
		61.4	168.5	5.21	182.4	6.23	198.7	7.26	216.0	8.18	222.5	8.38	231.1	8.60	237.6	8.69
		67.0	168.5	5.06	182.4	6.09	198.7	7.10	216.0	8.03	222.5	8.23	231.1	8.44	237.6	8.47
	75	22.3	168.5	7.25	182.4	8.42	198.7	9.81	216.0	11.06	222.5	11.33	231.1	11.60	237.6	11.80
		27.9	168.5	7.10	182.4	8.29	198.7	9.65	216.0	10.88	222.5	11.15	231.1	11.42	237.6	11.62
		55.8	168.5	6.55	182.4	7.75	198.7	9.03	216.0	10.16	222.5	10.41	231.1	10.68	237.6	10.88
		61.4	168.5	6.37	182.4	7.60	198.7	8.85	216.0	9.96	222.5	10.21	231.1	10.48	237.6	10.59
		67.0	168.5	6.19	182.4	7.45	198.7	8.67	216.0	9.76	222.5	10.01	231.1	10.28	237.6	10.30
	86	22.3	168.5	8.91	182.4	10.38	198.7	12.08	216.0	13.60	222.5	13.92	231.1	14.26	237.6	14.53
		27.9	168.5	8.74	182.4	10.21	198.7	11.89	216.0	13.38	222.5	13.69	231.1	14.03	237.6	14.30
		55.8	168.5	8.04	182.4	9.54	198.7	11.10	216.0	12.51	222.5	12.80	231.1	13.14	237.6	13.38
		61.4	168.5	7.82	182.4	9.34	198.7	10.88	216.0	12.26	222.5	12.58	231.1	12.89	237.6	13.02
		67.0	168.5	7.60	182.4	9.14	198.7	10.66	216.0	12.01	222.5	12.36	231.1	12.64	237.6	12.66
	95	22.3	160.1	9.41	173.4	10.94	188.7	12.74	205.2	14.35	211.3	14.69	219.6	15.05	225.7	15.32
		27.9	160.1	9.23	173.4	10.77	188.7	12.53	205.2	14.12	211.3	14.45	219.6	14.81	225.7	15.08
		55.8	160.1	8.49	173.4	10.08	188.7	11.73	205.2	13.20	211.3	13.52	219.6	13.87	225.7	14.12
		61.4	160.1	8.27	173.4	9.85	188.7	11.48	205.2	12.96	211.3	13.27	219.6	13.61	225.7	13.74
		67.0	160.1	8.05	173.4	9.62	188.7	11.23	205.2	12.72	211.3	13.02	219.6	13.35	225.7	13.36
	104	22.3	151.6	10.58	164.2	12.28	178.8	14.31	194.4	16.10	200.2	16.48	208.1	16.89	213.7	17.18
		27.9	151.6	10.37	164.2	12.09	178.8	14.07	194.4	15.84	200.2	16.22	208.1	16.62	213.7	16.91
		55.8	151.6	9.52	164.2	11.30	178.8	13.16	194.4	14.81	200.2	15.17	208.1	15.55	213.7	15.84
		61.4	151.6	9.27	164.2	11.06	178.8	12.89	194.4	14.52	200.2	14.88	208.1	15.26	213.7	15.41
		67.0	151.6	9.02	164.2	10.82	178.8	12.62	194.4	14.23	200.2	14.59	208.1	14.97	213.7	14.98
	113	22.3	143.0	11.75	155.0	13.62	168.9	15.88	183.6	17.85	189.2	18.28	196.6	18.74	201.8	19.04
		27.9	143.0	11.51	155.0	13.40	168.9	15.62	183.6	17.56	189.2	17.98	196.6	18.43	201.8	18.74
		55.8	143.0	10.54	155.0	12.53	168.9	14.59	183.6	16.42	189.2	16.82	196.6	17.22	201.8	17.56
		61.4	143.0	10.28	155.0	12.26	168.9	14.30	183.6	16.09	189.2	16.49	196.6	16.91	201.8	17.09
		67.0	143.0	10.02	155.0	11.99	168.9	14.01	183.6	15.76	189.2	16.16	196.6	16.60	201.8	16.62

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM216BAS5

216,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
90	50	22.3	151.6	3.04	164.2	3.53	178.8	4.13	194.4	4.67	200.2	4.75	208.1	4.85	213.7	5.01
		27.9	151.6	2.99	164.2	3.48	178.8	4.06	194.4	4.60	200.2	4.68	208.1	4.79	213.7	4.92
		55.8	151.6	2.77	164.2	3.29	178.8	3.80	194.4	4.32	200.2	4.41	208.1	4.54	213.7	4.60
		61.4	151.6	2.69	164.2	3.18	178.8	3.74	194.4	4.19	200.2	4.32	208.1	4.45	213.7	4.45
		67.0	151.6	2.61	164.2	3.07	178.8	3.68	194.4	4.06	200.2	4.23	208.1	4.36	213.7	4.30
	59	22.3	151.6	4.14	164.2	4.81	178.8	5.61	194.4	6.33	200.2	6.47	208.1	6.63	213.7	6.76
		27.9	151.6	4.07	164.2	4.74	178.8	5.52	194.4	6.23	200.2	6.37	208.1	6.52	213.7	6.66
		55.8	151.6	3.75	164.2	4.45	178.8	5.16	194.4	5.83	200.2	5.96	208.1	6.12	213.7	6.23
		61.4	151.6	3.64	164.2	4.33	178.8	5.07	194.4	5.70	200.2	5.85	208.1	6.01	213.7	6.05
		67.0	151.6	3.53	164.2	4.21	178.8	4.98	194.4	5.57	200.2	5.74	208.1	5.90	213.7	5.87
	67	22.3	151.6	5.13	164.2	5.95	178.8	6.93	194.4	7.81	200.2	7.99	208.1	8.20	213.7	8.33
		27.9	151.6	5.03	164.2	5.85	178.8	6.81	194.4	7.69	200.2	7.86	208.1	8.06	213.7	8.20
		55.8	151.6	4.62	164.2	5.47	178.8	6.37	194.4	7.17	200.2	7.35	208.1	7.53	213.7	7.69
		61.4	151.6	4.49	164.2	5.36	178.8	6.26	194.4	7.04	200.2	7.22	208.1	7.39	213.7	7.48
		67.0	151.6	4.36	164.2	5.25	178.8	6.15	194.4	6.91	200.2	7.09	208.1	7.25	213.7	7.27
	75	22.3	151.6	6.25	164.2	7.27	178.8	8.45	194.4	9.51	200.2	9.74	208.1	9.99	213.7	10.17
		27.9	151.6	6.12	164.2	7.15	178.8	8.31	194.4	9.36	200.2	9.58	208.1	9.83	213.7	10.01
		55.8	151.6	5.63	164.2	6.68	178.8	7.77	194.4	8.76	200.2	8.96	208.1	9.20	213.7	9.36
		61.4	151.6	5.47	164.2	6.52	178.8	7.62	194.4	8.58	200.2	8.80	208.1	9.03	213.7	9.11
		67.0	151.6	5.31	164.2	6.36	178.8	7.47	194.4	8.40	200.2	8.64	208.1	8.86	213.7	8.86
	86	22.3	151.6	7.68	164.2	8.93	178.8	10.40	194.4	11.72	200.2	11.99	208.1	12.28	213.7	12.51
		27.9	151.6	7.53	164.2	8.78	178.8	10.23	194.4	11.53	200.2	11.80	208.1	12.09	213.7	12.31
		55.8	151.6	6.93	164.2	8.20	178.8	9.56	194.4	10.77	200.2	11.04	208.1	11.30	213.7	11.51
		61.4	151.6	6.72	164.2	8.04	178.8	9.36	194.4	10.57	200.2	10.81	208.1	11.10	213.7	11.21
		67.0	151.6	6.51	164.2	7.88	178.8	9.16	194.4	10.37	200.2	10.58	208.1	10.90	213.7	10.91
	95	22.3	147.5	8.30	159.7	9.63	173.9	11.22	189.0	12.62	194.6	12.92	202.3	13.23	207.9	13.48
		27.9	147.5	8.13	159.7	9.47	173.9	11.04	189.0	12.42	194.6	12.71	202.3	13.02	207.9	13.27
		55.8	147.5	7.46	159.7	8.85	173.9	10.32	189.0	11.62	194.6	11.89	202.3	12.20	207.9	12.42
		61.4	147.5	7.26	159.7	8.67	173.9	10.10	189.0	11.39	194.6	11.68	202.3	11.97	207.9	12.09
		67.0	147.5	7.06	159.7	8.49	173.9	9.88	189.0	11.16	194.6	11.47	202.3	11.74	207.9	11.76
	104	22.3	143.2	9.53	155.2	11.06	168.9	12.87	183.6	14.51	189.2	14.85	196.4	15.21	202.0	15.48
		27.9	143.2	9.34	155.2	10.88	168.9	12.67	183.6	14.28	189.2	14.61	196.4	14.97	202.0	15.24
		55.8	143.2	8.58	155.2	10.16	168.9	11.86	183.6	13.34	189.2	13.67	196.4	14.01	202.0	14.28
		61.4	143.2	8.33	155.2	9.96	168.9	11.62	183.6	13.09	189.2	13.40	196.4	13.76	202.0	13.90
		67.0	143.2	8.08	155.2	9.76	168.9	11.38	183.6	12.84	189.2	13.13	196.4	13.51	202.0	13.52
	113	22.3	139.0	10.76	150.7	12.49	164.0	14.52	178.2	16.40	183.8	16.77	190.5	17.19	196.2	17.47
		27.9	139.0	10.54	150.7	12.29	164.0	14.30	178.2	16.13	183.8	16.51	190.5	16.91	196.2	17.20
		55.8	139.0	9.70	150.7	11.48	164.0	13.40	178.2	15.06	183.8	15.46	190.5	15.82	196.2	16.13
		61.4	139.0	9.41	150.7	11.26	164.0	13.14	178.2	14.79	183.8	15.12	190.5	15.55	196.2	15.71
		67.0	139.0	9.12	150.7	11.04	164.0	12.88	178.2	14.52	183.8	14.78	190.5	15.28	196.2	15.29

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
80	50	22.3	134.7	2.60	146.0	2.96	159.0	3.44	172.8	3.94	177.9	3.99	184.9	4.11	190.1	4.14
		27.9	134.7	2.54	146.0	2.92	159.0	3.39	172.8	3.87	177.9	3.93	184.9	4.04	190.1	4.08
		55.8	134.7	2.30	146.0	2.78	159.0	3.20	172.8	3.59	177.9	3.70	184.9	3.76	190.1	3.82
		61.4	134.7	2.28	146.0	2.69	159.0	3.14	172.8	3.52	177.9	3.59	184.9	3.69	190.1	3.74
		67.0	134.7	2.26	146.0	2.60	159.0	3.08	172.8	3.45	177.9	3.48	184.9	3.62	190.1	3.66
	59	22.3	134.7	3.49	146.0	4.04	159.0	4.70	172.8	5.32	177.9	5.42	184.9	5.56	190.1	5.65
		27.9	134.7	3.42	146.0	3.98	159.0	4.62	172.8	5.23	177.9	5.34	184.9	5.47	190.1	5.56
		55.8	134.7	3.13	146.0	3.73	159.0	4.33	172.8	4.87	177.9	5.00	184.9	5.12	190.1	5.21
		61.4	134.7	3.06	146.0	3.64	159.0	4.24	172.8	4.78	177.9	4.89	184.9	5.03	190.1	5.07
		67.0	134.7	2.99	146.0	3.55	159.0	4.15	172.8	4.69	177.9	4.78	184.9	4.94	190.1	4.93
	67	22.3	134.7	4.28	146.0	5.00	159.0	5.82	172.8	6.54	177.9	6.70	184.9	6.85	190.1	6.99
		27.9	134.7	4.20	146.0	4.91	159.0	5.72	172.8	6.43	177.9	6.59	184.9	6.75	190.1	6.88
		55.8	134.7	3.86	146.0	4.58	159.0	5.34	172.8	6.01	177.9	6.17	184.9	6.32	190.1	6.43
		61.4	134.7	3.75	146.0	4.49	159.0	5.23	172.8	5.90	177.9	6.05	184.9	6.21	190.1	6.26
		67.0	134.7	3.64	146.0	4.40	159.0	5.12	172.8	5.79	177.9	5.93	184.9	6.10	190.1	6.09
	75	22.3	134.7	5.25	146.0	6.09	159.0	7.08	172.8	7.97	177.9	8.18	184.9	8.38	190.1	8.51
		27.9	134.7	5.14	146.0	5.99	159.0	6.97	172.8	7.84	177.9	8.04	184.9	8.24	190.1	8.38
		55.8	134.7	4.71	146.0	5.59	159.0	6.52	172.8	7.35	177.9	7.51	184.9	7.71	190.1	7.84
		61.4	134.7	4.58	146.0	5.47	159.0	6.39	172.8	7.19	177.9	7.37	184.9	7.57	190.1	7.64
		67.0	134.7	4.45	146.0	5.35	159.0	6.26	172.8	7.03	177.9	7.23	184.9	7.43	190.1	7.44
	86	22.3	134.7	6.42	146.0	7.47	159.0	8.72	172.8	9.81	177.9	10.03	184.9	10.28	190.1	10.49
		27.9	134.7	6.30	146.0	7.35	159.0	8.58	172.8	9.65	177.9	9.87	184.9	10.12	190.1	10.32
		55.8	134.7	5.81	146.0	6.88	159.0	8.02	172.8	9.03	177.9	9.25	184.9	9.47	190.1	9.65
		61.4	134.7	5.65	146.0	6.72	159.0	7.84	172.8	8.85	177.9	9.07	184.9	9.29	190.1	9.41
		67.0	134.7	5.49	146.0	6.56	159.0	7.66	172.8	8.67	177.9	8.89	184.9	9.11	190.1	9.17
	95	22.3	134.7	7.16	146.0	8.31	159.0	9.67	172.8	10.90	177.9	11.17	184.9	11.45	190.1	11.65
		27.9	134.7	7.01	146.0	8.18	159.0	9.52	172.8	10.72	177.9	10.99	184.9	11.26	190.1	11.46
		55.8	134.7	6.46	146.0	7.64	159.0	8.91	172.8	10.03	177.9	10.28	184.9	10.52	190.1	10.72
		61.4	134.7	6.28	146.0	7.48	159.0	8.74	172.8	9.83	177.9	10.08	184.9	10.34	190.1	10.43
		67.0	134.7	6.10	146.0	7.32	159.0	8.57	172.8	9.63	177.9	9.88	184.9	10.16	190.1	10.14
	104	22.3	134.7	8.48	146.0	9.86	159.0	11.47	172.8	12.92	177.9	13.22	184.9	13.56	190.1	13.78
		27.9	134.7	8.31	146.0	9.70	159.0	11.28	172.8	12.71	177.9	13.00	184.9	13.34	190.1	13.56
		55.8	134.7	7.64	146.0	9.05	159.0	10.54	172.8	11.89	177.9	12.15	184.9	12.47	190.1	12.69
		61.4	134.7	7.42	146.0	8.87	159.0	10.32	172.8	11.64	177.9	11.93	184.9	12.24	190.1	12.35
		67.0	134.7	7.20	146.0	8.69	159.0	10.10	172.8	11.39	177.9	11.71	184.9	12.01	190.1	12.01
	113	22.3	134.7	9.80	146.0	11.41	159.0	13.27	172.8	14.94	177.9	15.26	184.9	15.67	190.1	15.91
		27.9	134.7	9.61	146.0	11.21	159.0	13.05	172.8	14.70	177.9	15.01	184.9	15.41	190.1	15.66
		55.8	134.7	8.82	146.0	10.46	159.0	12.18	172.8	13.74	177.9	14.03	184.9	14.41	190.1	14.66
		61.4	134.7	8.56	146.0	10.25	159.0	11.91	172.8	13.45	177.9	13.78	184.9	14.14	190.1	14.28
		67.0	134.7	8.30	146.0	10.04	159.0	11.64	172.8	13.16	177.9	13.53	184.9	13.87	190.1	13.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM216BAS5

216,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
70	50	22.3	118.0	2.12	127.7	2.47	139.2	2.86	151.1	3.22	155.6	3.34	161.7	3.43	166.2	3.44
		27.9	118.0	2.08	127.7	2.43	139.2	2.81	151.1	3.18	155.6	3.29	161.7	3.38	166.2	3.39
		55.8	118.0	1.94	127.7	2.25	139.2	2.64	151.1	3.01	155.6	3.07	161.7	3.16	166.2	3.20
		61.4	118.0	1.89	127.7	2.21	139.2	2.60	151.1	2.92	155.6	2.99	161.7	3.07	166.2	3.12
		67.0	118.0	1.84	127.7	2.17	139.2	2.56	151.1	2.83	155.6	2.91	161.7	2.98	166.2	3.04
	59	22.3	118.0	2.89	127.7	3.36	139.2	3.90	151.1	4.40	155.6	4.52	161.7	4.63	166.2	4.70
		27.9	118.0	2.84	127.7	3.31	139.2	3.84	151.1	4.33	155.6	4.45	161.7	4.56	166.2	4.62
		55.8	118.0	2.61	127.7	3.08	139.2	3.60	151.1	4.07	155.6	4.16	161.7	4.27	166.2	4.33
		61.4	118.0	2.55	127.7	3.02	139.2	3.53	151.1	3.98	155.6	4.07	161.7	4.18	166.2	4.22
		67.0	118.0	2.49	127.7	2.96	139.2	3.46	151.1	3.89	155.6	3.98	161.7	4.09	166.2	4.11
	67	22.3	118.0	3.58	127.7	4.16	139.2	4.84	151.1	5.45	155.6	5.56	161.7	5.70	166.2	5.82
		27.9	118.0	3.51	127.7	4.09	139.2	4.76	151.1	5.36	155.6	5.47	161.7	5.61	166.2	5.72
		55.8	118.0	3.22	127.7	3.82	139.2	4.45	151.1	5.00	155.6	5.12	161.7	5.25	166.2	5.34
		61.4	118.0	3.13	127.7	3.73	139.2	4.36	151.1	4.91	155.6	5.03	161.7	5.16	166.2	5.21
		67.0	118.0	3.04	127.7	3.64	139.2	4.27	151.1	4.82	155.6	4.94	161.7	5.07	166.2	5.08
	75	22.3	118.0	4.35	127.7	5.07	139.2	5.88	151.1	6.63	155.6	6.79	161.7	6.94	166.2	7.08
		27.9	118.0	4.27	127.7	4.98	139.2	5.79	151.1	6.52	155.6	6.68	161.7	6.84	166.2	6.97
		55.8	118.0	3.93	127.7	4.65	139.2	5.43	151.1	6.10	155.6	6.26	161.7	6.41	166.2	6.52
		61.4	118.0	3.82	127.7	4.56	139.2	5.32	151.1	5.99	155.6	6.12	161.7	6.28	166.2	6.34
		67.0	118.0	3.71	127.7	4.47	139.2	5.21	151.1	5.88	155.6	5.98	161.7	6.15	166.2	6.16
	86	22.3	118.0	5.36	127.7	6.22	139.2	7.25	151.1	8.15	155.6	8.36	161.7	8.56	166.2	8.72
		27.9	118.0	5.25	127.7	6.12	139.2	7.13	151.1	8.02	155.6	8.22	161.7	8.42	166.2	8.58
		55.8	118.0	4.83	127.7	5.72	139.2	6.66	151.1	7.51	155.6	7.69	161.7	7.89	166.2	8.02
		61.4	118.0	4.69	127.7	5.61	139.2	6.52	151.1	7.35	155.6	7.55	161.7	7.73	166.2	7.82
		67.0	118.0	4.55	127.7	5.50	139.2	6.38	151.1	7.19	155.6	7.41	161.7	7.57	166.2	7.62
	95	22.3	118.0	5.95	127.7	6.90	139.2	8.07	151.1	9.06	155.6	9.29	161.7	9.51	166.2	9.67
		27.9	118.0	5.83	127.7	6.79	139.2	7.93	151.1	8.91	155.6	9.14	161.7	9.36	166.2	9.52
		55.8	118.0	5.36	127.7	6.37	139.2	7.39	151.1	8.33	155.6	8.53	161.7	8.76	166.2	8.91
		61.4	118.0	5.21	127.7	6.21	139.2	7.26	151.1	8.18	155.6	8.38	161.7	8.60	166.2	8.69
		67.0	118.0	5.06	127.7	6.05	139.2	7.13	151.1	8.03	155.6	8.23	161.7	8.44	166.2	8.47
	104	22.3	118.0	7.04	127.7	8.17	139.2	9.54	151.1	10.74	155.6	10.99	161.7	11.26	166.2	11.46
		27.9	118.0	6.90	127.7	8.04	139.2	9.38	151.1	10.57	155.6	10.81	161.7	11.08	166.2	11.28
		55.8	118.0	6.34	127.7	7.53	139.2	8.78	151.1	9.87	155.6	10.12	161.7	10.37	166.2	10.57
		61.4	118.0	6.17	127.7	7.37	139.2	8.58	151.1	9.67	155.6	9.92	161.7	10.19	166.2	10.28
		67.0	118.0	6.00	127.7	7.21	139.2	8.38	151.1	9.47	155.6	9.72	161.7	10.01	166.2	9.99
	113	22.3	118.0	8.14	127.7	9.45	139.2	11.00	151.1	12.42	155.6	12.69	161.7	13.01	166.2	13.26
		27.9	118.0	7.98	127.7	9.29	139.2	10.84	151.1	12.22	155.6	12.49	161.7	12.80	166.2	13.05
		55.8	118.0	7.33	127.7	8.69	139.2	10.16	151.1	11.42	155.6	11.71	161.7	11.97	166.2	12.22
		61.4	118.0	7.13	127.7	8.53	139.2	9.90	151.1	11.17	155.6	11.46	161.7	11.77	166.2	11.86
		67.0	118.0	6.93	127.7	8.37	139.2	9.64	151.1	10.92	155.6	11.21	161.7	11.57	166.2	11.50

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

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Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
60	50	22.3	101.1	1.69	109.5	1.96	119.1	2.26	129.5	2.60	133.6	2.67	138.7	2.70	142.6	2.74
		27.9	101.1	1.65	109.5	1.93	119.1	2.23	129.5	2.56	133.6	2.62	138.7	2.66	142.6	2.71
		55.8	101.1	1.52	109.5	1.80	119.1	2.13	129.5	2.38	133.6	2.43	138.7	2.52	142.6	2.56
		61.4	101.1	1.46	109.5	1.78	119.1	2.09	129.5	2.34	133.6	2.38	138.7	2.45	142.6	2.49
		67.0	101.1	1.40	109.5	1.76	119.1	2.05	129.5	2.30	133.6	2.33	138.7	2.38	142.6	2.42
	59	22.3	101.1	2.30	109.5	2.68	119.1	3.11	129.5	3.52	133.6	3.61	138.7	3.68	142.6	3.74
		27.9	101.1	2.26	109.5	2.64	119.1	3.06	129.5	3.46	133.6	3.55	138.7	3.62	142.6	3.69
		55.8	101.1	2.08	109.5	2.46	119.1	2.88	129.5	3.24	133.6	3.31	138.7	3.40	142.6	3.46
		61.4	101.1	2.01	109.5	2.41	119.1	2.81	129.5	3.17	133.6	3.24	138.7	3.33	142.6	3.37
		67.0	101.1	1.94	109.5	2.36	119.1	2.74	129.5	3.10	133.6	3.17	138.7	3.26	142.6	3.28
	67	22.3	101.1	2.85	109.5	3.32	119.1	3.86	129.5	4.33	133.6	4.45	138.7	4.54	142.6	4.63
		27.9	101.1	2.79	109.5	3.26	119.1	3.80	129.5	4.27	133.6	4.38	138.7	4.47	142.6	4.56
		55.8	101.1	2.57	109.5	3.04	119.1	3.55	129.5	4.00	133.6	4.09	138.7	4.18	142.6	4.27
		61.4	101.1	2.50	109.5	2.97	119.1	3.46	129.5	3.91	133.6	4.00	138.7	4.11	142.6	4.16
		67.0	101.1	2.43	109.5	2.90	119.1	3.37	129.5	3.82	133.6	3.91	138.7	4.04	142.6	4.05
	75	22.3	101.1	3.46	109.5	4.04	119.1	4.70	129.5	5.29	133.6	5.40	138.7	5.54	142.6	5.65
		27.9	101.1	3.40	109.5	3.98	119.1	4.62	129.5	5.21	133.6	5.32	138.7	5.45	142.6	5.56
		55.8	101.1	3.13	109.5	3.71	119.1	4.31	129.5	4.87	133.6	4.98	138.7	5.12	142.6	5.21
		61.4	101.1	3.04	109.5	3.62	119.1	4.22	129.5	4.76	133.6	4.89	138.7	5.00	142.6	5.07
		67.0	101.1	2.95	109.5	3.53	119.1	4.13	129.5	4.65	133.6	4.80	138.7	4.88	142.6	4.93
	86	22.3	101.1	4.26	109.5	4.95	119.1	5.76	129.5	6.49	133.6	6.65	138.7	6.81	142.6	6.95
		27.9	101.1	4.18	109.5	4.87	119.1	5.67	129.5	6.39	133.6	6.55	138.7	6.70	142.6	6.84
		55.8	101.1	3.84	109.5	4.56	119.1	5.32	129.5	5.99	133.6	6.12	138.7	6.28	142.6	6.39
		61.4	101.1	3.73	109.5	4.47	119.1	5.21	129.5	5.88	133.6	6.01	138.7	6.17	142.6	6.23
		67.0	101.1	3.62	109.5	4.38	119.1	5.10	129.5	5.77	133.6	5.90	138.7	6.06	142.6	6.07
	95	22.3	101.1	4.74	109.5	5.52	119.1	6.43	129.5	7.22	133.6	7.40	138.7	7.59	142.6	7.72
		27.9	101.1	4.65	109.5	5.43	119.1	6.32	129.5	7.10	133.6	7.28	138.7	7.46	142.6	7.60
		55.8	101.1	4.27	109.5	5.07	119.1	5.90	129.5	6.66	133.6	6.81	138.7	6.97	142.6	7.10
		61.4	101.1	4.16	109.5	4.96	119.1	5.79	129.5	6.52	133.6	6.68	138.7	6.86	142.6	6.93
		67.0	101.1	4.05	109.5	4.85	119.1	5.68	129.5	6.38	133.6	6.55	138.7	6.75	142.6	6.76
	104	22.3	101.1	5.60	109.5	6.51	119.1	7.61	129.5	8.56	133.6	8.76	138.7	8.97	142.6	9.15
		27.9	101.1	5.50	109.5	6.41	119.1	7.48	129.5	8.42	133.6	8.62	138.7	8.82	142.6	9.00
		55.8	101.1	5.07	109.5	6.01	119.1	6.99	129.5	7.86	133.6	8.06	138.7	8.27	142.6	8.42
		61.4	101.1	4.91	109.5	5.88	119.1	6.86	129.5	7.71	133.6	7.91	138.7	8.11	142.6	8.20
		67.0	101.1	4.75	109.5	5.75	119.1	6.73	129.5	7.56	133.6	7.76	138.7	7.95	142.6	7.98
	113	22.3	101.1	6.46	109.5	7.51	119.1	8.79	129.5	9.91	133.6	10.13	138.7	10.35	142.6	10.58
		27.9	101.1	6.34	109.5	7.39	119.1	8.65	129.5	9.74	133.6	9.96	138.7	10.19	142.6	10.41
		55.8	101.1	5.88	109.5	6.95	119.1	8.09	129.5	9.07	133.6	9.32	138.7	9.56	142.6	9.74
		61.4	101.1	5.67	109.5	6.79	119.1	7.93	129.5	8.89	133.6	9.14	138.7	9.36	142.6	9.47
		67.0	101.1	5.46	109.5	6.63	119.1	7.77	129.5	8.71	133.6	8.96	138.7	9.16	142.6	9.20

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM216BAS5

216,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
50	50	22.3	84.2	1.25	91.2	1.46	99.3	1.76	108.1	1.92	111.3	1.95	115.5	2.04	118.7	2.05
		27.9	84.2	1.22	91.2	1.44	99.3	1.72	108.1	1.89	111.3	1.93	115.5	2.00	118.7	2.02
		55.8	84.2	1.11	91.2	1.35	99.3	1.59	108.1	1.78	111.3	1.85	115.5	1.85	118.7	1.89
		61.4	84.2	1.09	91.2	1.36	99.3	1.55	108.1	1.74	111.3	1.76	115.5	1.83	118.7	1.82
		67.0	84.2	1.07	91.2	1.37	99.3	1.51	108.1	1.70	111.3	1.67	115.5	1.81	118.7	1.75
	59	22.3	84.2	1.71	91.2	2.00	99.3	2.34	108.1	2.61	111.3	2.68	115.5	2.75	118.7	2.79
		27.9	84.2	1.68	91.2	1.97	99.3	2.30	108.1	2.57	111.3	2.64	115.5	2.70	118.7	2.75
		55.8	84.2	1.54	91.2	1.83	99.3	2.14	108.1	2.41	111.3	2.48	115.5	2.52	118.7	2.57
		61.4	84.2	1.50	91.2	1.81	99.3	2.10	108.1	2.37	111.3	2.41	115.5	2.48	118.7	2.50
		67.0	84.2	1.46	91.2	1.79	99.3	2.06	108.1	2.33	111.3	2.34	115.5	2.44	118.7	2.43
	67	22.3	84.2	2.12	91.2	2.48	99.3	2.86	108.1	3.22	111.3	3.32	115.5	3.38	118.7	3.45
		27.9	84.2	2.08	91.2	2.44	99.3	2.81	108.1	3.17	111.3	3.26	115.5	3.33	118.7	3.40
		55.8	84.2	1.92	91.2	2.26	99.3	2.64	108.1	2.97	111.3	3.04	115.5	3.13	118.7	3.17
		61.4	84.2	1.85	91.2	2.21	99.3	2.59	108.1	2.93	111.3	2.99	115.5	3.06	118.7	3.11
		67.0	84.2	1.78	91.2	2.16	99.3	2.54	108.1	2.89	111.3	2.94	115.5	2.99	118.7	3.05
	75	22.3	84.2	2.58	91.2	2.99	99.3	3.50	108.1	3.95	111.3	4.04	115.5	4.13	118.7	4.20
		27.9	84.2	2.52	91.2	2.95	99.3	3.44	108.1	3.89	111.3	3.98	115.5	4.07	118.7	4.13
		55.8	84.2	2.32	91.2	2.77	99.3	3.22	108.1	3.62	111.3	3.71	115.5	3.80	118.7	3.89
		61.4	84.2	2.26	91.2	2.70	99.3	3.15	108.1	3.55	111.3	3.64	115.5	3.73	118.7	3.78
		67.0	84.2	2.20	91.2	2.63	99.3	3.08	108.1	3.48	111.3	3.57	115.5	3.66	118.7	3.67
	86	22.3	84.2	3.20	91.2	3.70	99.3	4.32	108.1	4.86	111.3	4.98	115.5	5.08	118.7	5.18
		27.9	84.2	3.13	91.2	3.64	99.3	4.24	108.1	4.78	111.3	4.89	115.5	5.00	118.7	5.09
		55.8	84.2	2.86	91.2	3.40	99.3	3.95	108.1	4.47	111.3	4.56	115.5	4.69	118.7	4.76
		61.4	84.2	2.79	91.2	3.33	99.3	3.89	108.1	4.38	111.3	4.49	115.5	4.60	118.7	4.65
		67.0	84.2	2.72	91.2	3.26	99.3	3.83	108.1	4.29	111.3	4.42	115.5	4.51	118.7	4.54
	95	22.3	84.2	3.53	91.2	4.11	99.3	4.79	108.1	5.38	111.3	5.52	115.5	5.65	118.7	5.74
		27.9	84.2	3.46	91.2	4.04	99.3	4.71	108.1	5.29	111.3	5.43	115.5	5.56	118.7	5.65
		55.8	84.2	3.19	91.2	3.78	99.3	4.40	108.1	4.96	111.3	5.07	115.5	5.21	118.7	5.29
		61.4	84.2	3.11	91.2	3.71	99.3	4.31	108.1	4.87	111.3	4.98	115.5	5.12	118.7	5.16
		67.0	84.2	3.03	91.2	3.64	99.3	4.22	108.1	4.78	111.3	4.89	115.5	5.03	118.7	5.03
	104	22.3	84.2	4.20	91.2	4.86	99.3	5.68	108.1	6.38	111.3	6.54	115.5	6.70	118.7	6.81
		27.9	84.2	4.11	91.2	4.78	99.3	5.59	108.1	6.28	111.3	6.43	115.5	6.59	118.7	6.70
		55.8	84.2	3.78	91.2	4.47	99.3	5.21	108.1	5.88	111.3	6.01	115.5	6.17	118.7	6.28
		61.4	84.2	3.66	91.2	4.38	99.3	5.12	108.1	5.76	111.3	5.90	115.5	6.05	118.7	6.10
		67.0	84.2	3.54	91.2	4.29	99.3	5.03	108.1	5.64	111.3	5.79	115.5	5.93	118.7	5.92
	113	22.3	84.2	4.86	91.2	5.61	99.3	6.57	108.1	7.38	111.3	7.56	115.5	7.74	118.7	7.88
		27.9	84.2	4.76	91.2	5.52	99.3	6.46	108.1	7.26	111.3	7.44	115.5	7.62	118.7	7.75
		55.8	84.2	4.36	91.2	5.16	99.3	6.01	108.1	6.79	111.3	6.95	115.5	7.13	118.7	7.26
		61.4	84.2	4.22	91.2	5.05	99.3	5.92	108.1	6.66	111.3	6.81	115.5	6.99	118.7	7.04
		67.0	84.2	4.08	91.2	4.94	99.3	5.83	108.1	6.53	111.3	6.67	115.5	6.85	118.7	6.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	50	24.4	222.6	5.03	241.1	5.90	262.3	6.87	285.1	7.71	293.9	7.88	305.4	8.14	313.9	8.25
		35.6	222.6	4.94	241.1	5.80	262.3	6.76	285.1	7.58	293.9	7.76	305.4	8.00	313.9	8.13
		60.9	222.6	4.58	241.1	5.38	262.3	6.29	285.1	7.09	293.9	7.30	305.4	7.45	313.9	7.64
		76.1	222.6	4.45	241.1	5.31	262.3	6.19	285.1	6.93	293.9	7.14	305.4	7.32	313.9	7.43
		91.4	222.6	4.39	241.1	5.27	262.3	6.14	285.1	6.85	293.9	7.06	305.4	7.26	313.9	7.32
	59	24.4	218.9	6.64	237.2	7.73	258.1	9.01	280.6	10.13	289.1	10.37	300.3	10.64	308.8	10.82
		35.6	218.9	6.51	237.2	7.61	258.1	8.86	280.6	9.96	289.1	10.20	300.3	10.47	308.8	10.66
		60.9	218.9	6.00	237.2	7.10	258.1	8.28	280.6	9.32	289.1	9.56	300.3	9.80	308.8	10.02
		76.1	218.9	5.84	237.2	6.96	258.1	8.11	280.6	9.13	289.1	9.37	300.3	9.61	308.8	9.78
		91.4	218.9	5.76	237.2	6.90	258.1	8.03	280.6	9.04	289.1	9.28	300.3	9.52	308.8	9.65
	67	24.4	215.7	8.06	233.7	9.36	254.4	10.92	276.6	12.27	284.8	12.58	295.8	12.86	304.3	13.10
		35.6	215.7	7.90	233.7	9.21	254.4	10.74	276.6	12.08	284.8	12.37	295.8	12.67	304.3	12.91
		60.9	215.7	7.26	233.7	8.62	254.4	10.04	276.6	11.30	284.8	11.57	295.8	11.89	304.3	12.13
		76.1	215.7	7.07	233.7	8.44	254.4	9.83	276.6	11.09	284.8	11.36	295.8	11.65	304.3	11.86
		91.4	215.7	6.98	233.7	8.34	254.4	9.72	276.6	10.98	284.8	11.25	295.8	11.53	304.3	11.73
	75	24.4	215.7	9.94	233.7	11.54	254.4	13.45	276.6	15.17	284.8	15.52	295.8	15.88	304.3	16.15
		35.6	215.7	9.75	233.7	11.36	254.4	13.23	276.6	14.92	284.8	15.27	295.8	15.64	304.3	15.91
		60.9	215.7	8.97	233.7	10.63	254.4	12.37	276.6	13.93	284.8	14.27	295.8	14.68	304.3	14.94
		76.1	215.7	8.70	233.7	10.39	254.4	12.13	276.6	13.66	284.8	14.01	295.8	14.38	304.3	14.62
		91.4	215.7	8.57	233.7	10.27	254.4	12.01	276.6	13.52	284.8	13.87	295.8	14.23	304.3	14.46
	86	24.4	215.7	11.95	233.7	13.85	254.4	16.14	276.6	18.19	284.8	18.62	295.8	19.07	304.3	19.39
		35.6	215.7	11.70	233.7	13.63	254.4	15.88	276.6	17.89	284.8	18.32	295.8	18.77	304.3	19.10
		60.9	215.7	10.74	233.7	12.75	254.4	14.86	276.6	16.71	284.8	17.14	295.8	17.60	304.3	17.94
		76.1	215.7	10.44	233.7	12.48	254.4	14.54	276.6	16.39	284.8	16.82	295.8	17.25	304.3	17.54
		91.4	215.7	10.30	233.7	12.35	254.4	14.38	276.6	16.23	284.8	16.66	295.8	17.07	304.3	17.34
	95	24.4	194.2	12.05	210.2	14.02	228.9	16.33	248.9	18.37	256.4	18.84	266.4	19.29	273.8	19.60
		35.6	194.2	11.81	210.2	13.79	228.9	16.07	248.9	18.08	256.4	18.53	266.4	18.99	273.8	19.31
		60.9	194.2	10.87	210.2	12.88	228.9	15.02	248.9	16.93	256.4	17.33	266.4	17.78	273.8	18.16
		76.1	194.2	10.58	210.2	12.61	228.9	14.70	248.9	16.58	256.4	17.01	266.4	17.43	273.8	17.73
		91.4	194.2	10.43	210.2	12.48	228.9	14.54	248.9	16.40	256.4	16.84	266.4	17.26	273.8	17.51
	104	24.4	172.5	12.74	187.0	14.78	203.5	17.23	221.2	19.38	227.9	19.83	236.7	20.32	243.4	20.69
		35.6	172.5	12.48	187.0	14.54	203.5	16.95	221.2	19.07	227.9	19.52	236.7	20.01	243.4	20.38
		60.9	172.5	11.46	187.0	13.60	203.5	15.85	221.2	17.84	227.9	18.29	236.7	18.77	243.4	19.15
		76.1	172.5	11.14	187.0	13.31	203.5	15.51	221.2	17.49	227.9	17.94	236.7	18.40	243.4	18.72
		91.4	172.5	10.98	187.0	13.16	203.5	15.33	221.2	17.31	227.9	17.77	236.7	18.21	243.4	18.50
	113	24.4	150.8	13.43	163.8	15.54	178.0	18.13	193.5	20.39	199.5	20.83	206.9	21.34	212.9	21.78
		35.6	150.8	13.15	163.8	15.29	178.0	17.84	193.5	20.06	199.5	20.51	206.9	21.02	212.9	21.45
		60.9	150.8	12.05	163.8	14.33	178.0	16.68	193.5	18.75	199.5	19.26	206.9	19.76	212.9	20.14
		76.1	150.8	11.70	163.8	14.01	178.0	16.31	193.5	18.40	199.5	18.88	206.9	19.36	212.9	19.71
		91.4	150.8	11.53	163.8	13.84	178.0	16.12	193.5	18.22	199.5	18.69	206.9	19.16	212.9	19.50
120	50	24.4	210.7	4.80	227.9	5.60	248.4	6.48	269.9	7.30	277.9	7.53	289.0	7.71	296.9	7.79
		35.6	210.7	4.70	227.9	5.51	248.4	6.38	269.9	7.18	277.9	7.40	289.0	7.58	296.9	7.68
		60.9	210.7	4.32	227.9	5.15	248.4	6.00	269.9	6.72	277.9	6.87	289.0	7.05	296.9	7.21
		76.1	210.7	4.18	227.9	4.98	248.4	5.87	269.9	6.56	277.9	6.77	289.0	6.93	296.9	7.06
		91.4	210.7	4.12	227.9	4.90	248.4	5.80	269.9	6.48	277.9	6.72	289.0	6.86	296.9	6.98
	59	24.4	208.2	6.37	225.4	7.41	245.6	8.60	266.9	9.69	274.8	9.94	285.6	10.18	293.6	10.33
		35.6	208.2	6.24	225.4	7.28	245.6	8.46	266.9	9.53	274.8	9.78	285.6	10.02	293.6	10.18
		60.9	208.2	5.73	225.4	6.80	245.6	7.93	266.9	8.92	274.8	9.13	285.6	9.37	293.6	9.56
		76.1	208.2	5.57	225.4	6.64	245.6	7.77	266.9	8.73	274.8	8.97	285.6	9.19	293.6	9.35
		91.4	208.2	5.49	225.4	6.56	245.6	7.69	266.9	8.64	274.8	8.89	285.6	9.09	293.6	9.24
	67	24.4	205.9	7.76	223.2	9.01	243.1	10.48	264.1	11.81	272.1	12.08	282.6	12.37	290.6	12.59
		35.6	205.9	7.61	223.2	8.86	243.1	10.31	264.1	11.62	272.1	11.89	282.6	12.19	290.6	12.40
		60.9	205.9	6.99	223.2	8.28	243.1	9.64	264.1	10.87	272.1	11.14	282.6	11.44	290.6	11.65
		76.1	205.9	6.80	223.2	8.11	243.1	9.45	264.1	10.66	272.1	10.93	282.6	11.19	290.6	11.38
		91.4	205.9	6.71	223.2	8.03	243.1	9.36	264.1	10.55	272.1	10.82	282.6	11.07	290.6	11.25

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA



ARWM240BAS5

240,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	75	24.4	205.9	9.54	223.2	11.08	243.1	12.90	264.1	14.50	272.1	14.86	282.6	15.24	290.6	15.50
		35.6	205.9	9.35	223.2	10.90	243.1	12.69	264.1	14.27	272.1	14.62	282.6	15.00	290.6	15.27
		60.9	205.9	8.60	223.2	10.18	243.1	11.86	264.1	13.36	272.1	13.69	282.6	14.03	290.6	14.33
		76.1	205.9	8.36	223.2	9.96	243.1	11.62	264.1	13.10	272.1	13.42	282.6	13.77	290.6	13.98
		91.4	205.9	8.23	223.2	9.85	243.1	11.50	264.1	12.96	272.1	13.28	282.6	13.63	290.6	13.80
	86	24.4	205.9	11.50	223.2	13.39	243.1	15.60	264.1	17.56	272.1	17.96	282.6	18.42	290.6	18.74
		35.6	205.9	11.27	223.2	13.18	243.1	15.35	264.1	17.27	272.1	17.68	282.6	18.13	290.6	18.45
		60.9	205.9	10.39	223.2	12.32	243.1	14.33	264.1	16.15	272.1	16.55	282.6	16.98	290.6	17.30
		76.1	205.9	10.10	223.2	12.05	243.1	14.03	264.1	15.83	272.1	16.23	282.6	16.66	290.6	16.90
		91.4	205.9	9.95	223.2	11.92	243.1	13.89	264.1	15.67	272.1	16.07	282.6	16.50	290.6	16.70
	95	24.4	188.5	11.81	204.2	13.72	222.4	15.98	241.6	17.99	248.9	18.43	258.6	18.85	265.9	19.21
		35.6	188.5	11.57	204.2	13.50	222.4	15.72	241.6	17.70	248.9	18.13	258.6	18.56	265.9	18.91
		60.9	188.5	10.63	204.2	12.61	222.4	14.70	241.6	16.55	248.9	16.95	258.6	17.41	265.9	17.73
		76.1	188.5	10.34	204.2	12.35	222.4	14.41	241.6	16.23	248.9	16.63	258.6	17.06	265.9	17.33
		91.4	188.5	10.19	204.2	12.21	222.4	14.26	241.6	16.07	248.9	16.47	258.6	16.88	265.9	17.13
	104	24.4	171.0	12.70	185.2	14.75	201.7	17.20	219.4	19.35	225.9	19.81	234.7	20.30	241.1	20.67
		35.6	171.0	12.45	185.2	14.52	201.7	16.93	219.4	19.04	225.9	19.50	234.7	19.98	241.1	20.35
		60.9	171.0	11.46	185.2	13.58	201.7	15.83	219.4	17.81	225.9	18.24	234.7	18.72	241.1	19.10
		76.1	171.0	11.14	185.2	13.28	201.7	15.51	219.4	17.46	225.9	17.92	234.7	18.37	241.1	18.64
		91.4	171.0	10.98	185.2	13.14	201.7	15.34	219.4	17.29	225.9	17.75	234.7	18.20	241.1	18.41
	113	24.4	153.5	13.60	166.3	15.78	181.0	18.43	197.2	20.71	203.0	21.20	210.7	21.74	216.4	22.14
		35.6	153.5	13.34	166.3	15.53	181.0	18.13	197.2	20.38	203.0	20.86	210.7	21.40	216.4	21.80
		60.9	153.5	12.29	166.3	14.54	181.0	16.95	197.2	19.07	203.0	19.52	210.7	20.03	216.4	20.46
		76.1	153.5	11.94	166.3	14.22	181.0	16.60	197.2	18.69	203.0	19.20	210.7	19.68	216.4	19.95
		91.4	153.5	11.77	166.3	14.06	181.0	16.43	197.2	18.50	203.0	19.04	210.7	19.51	216.4	19.70
110	50	24.4	198.6	4.53	215.3	5.24	234.3	6.14	254.5	6.90	262.0	7.04	272.5	7.27	279.7	7.37
		35.6	198.6	4.44	215.3	5.16	234.3	6.04	254.5	6.79	262.0	6.94	272.5	7.15	279.7	7.25
		60.9	198.6	4.08	215.3	4.82	234.3	5.62	254.5	6.35	262.0	6.53	272.5	6.69	279.7	6.79
		76.1	198.6	3.97	215.3	4.72	234.3	5.49	254.5	6.25	262.0	6.34	272.5	6.55	279.7	6.63
		91.4	198.6	3.92	215.3	4.67	234.3	5.43	254.5	6.20	262.0	6.25	272.5	6.49	279.7	6.55
	59	24.4	197.5	6.07	213.9	7.05	232.9	8.22	253.1	9.25	260.6	9.47	270.9	9.72	278.3	9.88
		35.6	197.5	5.95	213.9	6.94	232.9	8.09	253.1	9.11	260.6	9.32	270.9	9.56	278.3	9.72
		60.9	197.5	5.46	213.9	6.48	232.9	7.55	253.1	8.52	260.6	8.73	270.9	8.94	278.3	9.11
		76.1	197.5	5.33	213.9	6.35	232.9	7.39	253.1	8.36	260.6	8.54	270.9	8.78	278.3	8.89
		91.4	197.5	5.26	213.9	6.28	232.9	7.31	253.1	8.27	260.6	8.45	270.9	8.70	278.3	8.78
	67	24.4	196.5	7.43	212.7	8.66	231.7	10.07	251.9	11.35	259.4	11.63	269.4	11.89	277.1	12.11
		35.6	196.5	7.28	212.7	8.52	231.7	9.91	251.9	11.17	259.4	11.44	269.4	11.70	277.1	11.92
		60.9	196.5	6.70	212.7	7.95	231.7	9.27	251.9	10.44	259.4	10.69	269.4	10.95	277.1	11.17
		76.1	196.5	6.53	212.7	7.79	231.7	9.08	251.9	10.23	259.4	10.50	269.4	10.77	277.1	10.90
		91.4	196.5	6.45	212.7	7.71	231.7	8.98	251.9	10.12	259.4	10.40	269.4	10.67	277.1	10.77
	75	24.4	196.5	9.09	212.7	10.59	231.7	12.33	251.9	13.88	259.4	14.20	269.4	14.56	277.1	14.83
		35.6	196.5	8.92	212.7	10.42	231.7	12.13	251.9	13.66	259.4	13.98	269.4	14.33	277.1	14.60
		60.9	196.5	8.22	212.7	9.75	231.7	11.36	251.9	12.77	259.4	13.10	269.4	13.42	277.1	13.69
		76.1	196.5	7.98	212.7	9.53	231.7	11.11	251.9	12.53	259.4	12.83	269.4	13.18	277.1	13.34
		91.4	196.5	7.86	212.7	9.43	231.7	10.99	251.9	12.41	259.4	12.69	269.4	13.05	277.1	13.16
	86	24.4	196.5	11.09	212.7	12.90	231.7	15.03	251.9	16.94	259.4	17.34	269.4	17.74	277.1	18.07
		35.6	196.5	10.87	212.7	12.69	231.7	14.78	251.9	16.66	259.4	17.06	269.4	17.46	277.1	17.78
		60.9	196.5	10.02	212.7	11.86	231.7	13.82	251.9	15.56	259.4	15.96	269.4	16.36	277.1	16.66
		76.1	196.5	9.75	212.7	11.62	231.7	13.55	251.9	15.27	259.4	15.64	269.4	16.04	277.1	16.26
		91.4	196.5	9.61	212.7	11.50	231.7	13.42	251.9	15.12	259.4	15.48	269.4	15.88	277.1	16.05
	95	24.4	183.0	11.56	198.2	13.42	215.9	15.62	234.7	17.61	241.6	18.02	251.1	18.45	258.1	18.80
		35.6	183.0	11.33	198.2	13.20	215.9	15.37	234.7	17.33	241.6	17.73	251.1	18.16	258.1	18.51
		60.9	183.0	10.42	198.2	12.35	215.9	14.38	234.7	16.20	241.6	16.58	251.1	17.01	258.1	17.33
		76.1	183.0	10.12	198.2	12.08	215.9	14.09	234.7	15.88	241.6	16.28	251.1	16.68	258.1	16.90
		91.4	183.0	9.97	198.2	11.94	215.9	13.94	234.7	15.72	241.6	16.13	251.1	16.52	258.1	16.68

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

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Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	24.4	169.5	12.68	183.7	14.76	200.0	17.18	217.4	19.33	223.9	19.79	232.7	20.27	239.2	20.65
		35.6	169.5	12.43	183.7	14.52	200.0	16.90	217.4	19.01	223.9	19.47	232.7	19.95	239.2	20.33
		60.9	169.5	11.44	183.7	13.55	200.0	15.80	217.4	17.78	223.9	18.21	232.7	18.69	239.2	19.04
		76.1	169.5	11.11	183.7	13.26	200.0	15.48	217.4	17.43	223.9	17.89	232.7	18.35	239.2	18.56
		91.4	169.5	10.95	183.7	13.11	200.0	15.32	217.4	17.26	223.9	17.73	232.7	18.17	239.2	18.32
	113	24.4	156.0	13.80	169.3	16.10	184.0	18.73	200.2	21.04	206.2	21.56	214.2	22.09	220.2	22.50
		35.6	156.0	13.52	169.3	15.83	184.0	18.43	200.2	20.70	206.2	21.21	214.2	21.75	220.2	22.15
		60.9	156.0	12.45	169.3	14.76	184.0	17.22	200.2	19.36	206.2	19.85	214.2	20.38	220.2	20.76
		76.1	156.0	12.11	169.3	14.44	184.0	16.87	200.2	18.99	206.2	19.50	214.2	20.01	220.2	20.22
		91.4	156.0	11.93	169.3	14.27	184.0	16.70	200.2	18.80	206.2	19.32	214.2	19.82	220.2	19.95
100	50	24.4	186.7	4.29	202.2	4.98	220.2	5.72	239.4	6.52	246.6	6.61	256.1	6.84	263.4	6.97
		35.6	186.7	4.20	202.2	4.90	220.2	5.64	239.4	6.42	246.6	6.51	256.1	6.73	263.4	6.86
		60.9	186.7	3.87	202.2	4.56	220.2	5.31	239.4	6.01	246.6	6.13	256.1	6.29	263.4	6.42
		76.1	186.7	3.74	202.2	4.46	220.2	5.18	239.4	5.88	246.6	6.00	256.1	6.16	263.4	6.21
		91.4	186.7	3.67	202.2	4.40	220.2	5.11	239.4	5.81	246.6	5.94	256.1	6.09	263.4	6.10
	59	24.4	186.7	5.79	202.2	6.72	220.2	7.81	239.4	8.82	246.6	9.01	256.1	9.25	263.4	9.42
		35.6	186.7	5.68	202.2	6.62	220.2	7.69	239.4	8.68	246.6	8.86	256.1	9.11	263.4	9.27
		60.9	186.7	5.22	202.2	6.19	220.2	7.20	239.4	8.11	246.6	8.30	256.1	8.52	263.4	8.68
		76.1	186.7	5.06	202.2	6.05	220.2	7.04	239.4	7.95	246.6	8.14	256.1	8.36	263.4	8.44
		91.4	186.7	4.98	202.2	5.99	220.2	6.96	239.4	7.87	246.6	8.06	256.1	8.27	263.4	8.31
	67	24.4	186.7	7.13	202.2	8.27	220.2	9.66	239.4	10.86	246.6	11.14	256.1	11.40	263.4	11.59
		35.6	186.7	6.99	202.2	8.14	220.2	9.51	239.4	10.69	246.6	10.95	256.1	11.22	263.4	11.41
		60.9	186.7	6.43	202.2	7.63	220.2	8.89	239.4	9.99	246.6	10.23	256.1	10.50	263.4	10.69
		76.1	186.7	6.24	202.2	7.47	220.2	8.70	239.4	9.80	246.6	10.04	256.1	10.31	263.4	10.42
		91.4	186.7	6.15	202.2	7.39	220.2	8.61	239.4	9.71	246.6	9.95	256.1	10.22	263.4	10.28
	75	24.4	186.7	8.69	202.2	10.10	220.2	11.76	239.4	13.26	246.6	13.59	256.1	13.91	263.4	14.15
		35.6	186.7	8.52	202.2	9.94	220.2	11.57	239.4	13.04	246.6	13.36	256.1	13.69	263.4	13.93
		60.9	186.7	7.85	202.2	9.29	220.2	10.82	239.4	12.19	246.6	12.48	256.1	12.80	263.4	13.04
		76.1	186.7	7.63	202.2	9.11	220.2	10.61	239.4	11.94	246.6	12.24	256.1	12.56	263.4	12.69
		91.4	186.7	7.52	202.2	9.01	220.2	10.50	239.4	11.82	246.6	12.12	256.1	12.44	263.4	12.52
	86	24.4	186.7	10.68	202.2	12.44	220.2	14.48	239.4	16.31	246.6	16.69	256.1	17.09	263.4	17.42
		35.6	186.7	10.47	202.2	12.24	220.2	14.25	239.4	16.04	246.6	16.42	256.1	16.82	263.4	17.14
		60.9	186.7	9.64	202.2	11.44	220.2	13.31	239.4	15.00	246.6	15.35	256.1	15.75	263.4	16.04
		76.1	186.7	9.37	202.2	11.19	220.2	13.04	239.4	14.70	246.6	15.08	256.1	15.45	263.4	15.61
		91.4	186.7	9.24	202.2	11.07	220.2	12.91	239.4	14.55	246.6	14.94	256.1	15.30	263.4	15.40
	95	24.4	177.5	11.28	192.2	13.12	209.2	15.27	227.4	17.20	234.2	17.61	243.4	18.04	250.1	18.37
		35.6	177.5	11.06	192.2	12.91	209.2	15.02	227.4	16.93	234.2	17.33	243.4	17.76	250.1	18.08
		60.9	177.5	10.18	192.2	12.08	209.2	14.06	227.4	15.83	234.2	16.20	243.4	16.63	250.1	16.93
		76.1	177.5	9.91	192.2	11.81	209.2	13.77	227.4	15.53	234.2	15.91	243.4	16.31	250.1	16.47
		91.4	177.5	9.77	192.2	11.68	209.2	13.62	227.4	15.38	234.2	15.76	243.4	16.15	250.1	16.24
	104	24.4	168.0	12.68	182.0	14.73	198.2	17.15	215.4	19.30	221.9	19.76	230.7	20.25	236.9	20.60
		35.6	168.0	12.43	182.0	14.49	198.2	16.87	215.4	18.99	221.9	19.44	230.7	19.93	236.9	20.27
		60.9	168.0	11.41	182.0	13.55	198.2	15.77	215.4	17.76	221.9	18.18	230.7	18.64	236.9	18.99
		76.1	168.0	11.11	182.0	13.26	198.2	15.45	215.4	17.41	221.9	17.84	230.7	18.29	236.9	18.48
		91.4	168.0	10.97	182.0	13.11	198.2	15.29	215.4	17.23	221.9	17.66	230.7	18.12	236.9	18.22
	113	24.4	158.5	14.08	171.7	16.33	187.2	19.03	203.5	21.40	209.7	21.91	217.9	22.46	223.7	22.83
		35.6	158.5	13.79	171.7	16.07	187.2	18.72	203.5	21.05	209.7	21.56	217.9	22.09	223.7	22.47
		60.9	158.5	12.64	171.7	15.02	187.2	17.49	203.5	19.68	209.7	20.17	217.9	20.65	223.7	21.05
		76.1	158.5	12.32	171.7	14.70	187.2	17.14	203.5	19.28	209.7	19.76	217.9	20.27	223.7	20.49
		91.4	158.5	12.16	171.7	14.54	187.2	16.96	203.5	19.08	209.7	19.56	217.9	20.08	223.7	20.20
90	50	24.4	168.0	3.64	182.0	4.23	198.2	4.95	215.4	5.60	221.9	5.70	230.7	5.82	236.9	6.00
		35.6	168.0	3.58	182.0	4.17	198.2	4.87	215.4	5.51	221.9	5.61	230.7	5.74	236.9	5.90
		60.9	168.0	3.32	182.0	3.94	198.2	4.56	215.4	5.18	221.9	5.28	230.7	5.44	236.9	5.51
		76.1	168.0	3.22	182.0	3.81	198.2	4.48	215.4	5.02	221.9	5.18	230.7	5.34	236.9	5.33
		91.4	168.0	3.17	182.0	3.74	198.2	4.44	215.4	4.94	221.9	5.13	230.7	5.28	236.9	5.24

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

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# COOLING CAPACITY DATA



ARWM240BAS5

240,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	24.4	168.0	4.97	182.0	5.77	198.2	6.72	215.4	7.59	221.9	7.75	230.7	7.94	236.9	8.11
		35.6	168.0	4.87	182.0	5.68	198.2	6.62	215.4	7.47	221.9	7.63	230.7	7.82	236.9	7.98
		60.9	168.0	4.50	182.0	5.33	198.2	6.19	215.4	6.99	221.9	7.15	230.7	7.34	236.9	7.47
		76.1	168.0	4.37	182.0	5.20	198.2	6.08	215.4	6.83	221.9	7.02	230.7	7.20	236.9	7.26
		91.4	168.0	4.30	182.0	5.13	198.2	6.03	215.4	6.75	221.9	6.95	230.7	7.14	236.9	7.15
	67	24.4	168.0	6.15	182.0	7.13	198.2	8.30	215.4	9.37	221.9	9.58	230.7	9.83	236.9	9.98
		35.6	168.0	6.03	182.0	7.02	198.2	8.17	215.4	9.21	221.9	9.43	230.7	9.67	236.9	9.83
		60.9	168.0	5.54	182.0	6.56	198.2	7.63	215.4	8.60	221.9	8.81	230.7	9.03	236.9	9.21
		76.1	168.0	5.38	182.0	6.43	198.2	7.50	215.4	8.44	221.9	8.65	230.7	8.86	236.9	8.97
		91.4	168.0	5.30	182.0	6.36	198.2	7.43	215.4	8.36	221.9	8.57	230.7	8.78	236.9	8.85
	75	24.4	168.0	7.49	182.0	8.71	198.2	10.13	215.4	11.40	221.9	11.68	230.7	11.97	236.9	12.19
		35.6	168.0	7.34	182.0	8.57	198.2	9.96	215.4	11.22	221.9	11.49	230.7	11.78	236.9	12.00
		60.9	168.0	6.75	182.0	8.01	198.2	9.32	215.4	10.50	221.9	10.74	230.7	11.03	236.9	11.22
		76.1	168.0	6.56	182.0	7.82	198.2	9.13	215.4	10.28	221.9	10.55	230.7	10.82	236.9	10.93
		91.4	168.0	6.47	182.0	7.73	198.2	9.04	215.4	10.18	221.9	10.46	230.7	10.71	236.9	10.78
	86	24.4	168.0	9.21	182.0	10.70	198.2	12.47	215.4	14.05	221.9	14.37	230.7	14.73	236.9	15.00
		35.6	168.0	9.03	182.0	10.53	198.2	12.27	215.4	13.82	221.9	14.14	230.7	14.49	236.9	14.76
		60.9	168.0	8.30	182.0	9.83	198.2	11.46	215.4	12.91	221.9	13.23	230.7	13.55	236.9	13.79
		76.1	168.0	8.06	182.0	9.64	198.2	11.22	215.4	12.67	221.9	12.96	230.7	13.31	236.9	13.44
		91.4	168.0	7.94	182.0	9.55	198.2	11.10	215.4	12.55	221.9	12.83	230.7	13.19	236.9	13.27
	95	24.4	163.5	9.95	177.0	11.54	192.7	13.45	209.4	15.13	215.7	15.49	224.2	15.86	230.4	16.17
		35.6	163.5	9.75	177.0	11.36	192.7	13.23	209.4	14.89	215.7	15.24	224.2	15.61	230.4	15.91
		60.9	163.5	8.94	177.0	10.61	192.7	12.37	209.4	13.93	215.7	14.25	224.2	14.62	230.4	14.89
		76.1	163.5	8.70	177.0	10.39	192.7	12.11	209.4	13.66	215.7	14.01	224.2	14.35	230.4	14.49
		91.4	163.5	8.58	177.0	10.28	192.7	11.97	209.4	13.52	215.7	13.89	224.2	14.22	230.4	14.29
	104	24.4	158.8	11.42	172.0	13.26	187.2	15.43	203.5	17.40	209.7	17.80	217.7	18.23	223.9	18.56
		35.6	158.8	11.19	172.0	13.04	187.2	15.19	203.5	17.11	209.7	17.52	217.7	17.94	223.9	18.26
		60.9	158.8	10.28	172.0	12.19	187.2	14.22	203.5	15.99	209.7	16.39	217.7	16.79	223.9	17.11
		76.1	158.8	9.99	172.0	11.94	187.2	13.93	203.5	15.69	209.7	16.07	217.7	16.50	223.9	16.66
		91.4	158.8	9.84	172.0	11.82	187.2	13.78	203.5	15.55	209.7	15.91	217.7	16.35	223.9	16.43
	113	24.4	154.0	12.90	167.0	14.97	181.7	17.41	197.5	19.66	203.7	20.11	211.2	20.61	217.4	20.95
		35.6	154.0	12.64	167.0	14.73	181.7	17.14	197.5	19.34	203.7	19.79	211.2	20.27	217.4	20.62
		60.9	154.0	11.62	167.0	13.77	181.7	16.07	197.5	18.05	203.7	18.53	211.2	18.96	217.4	19.34
		76.1	154.0	11.27	167.0	13.50	181.7	15.75	197.5	17.73	203.7	18.13	211.2	18.64	217.4	18.83
		91.4	154.0	11.10	167.0	13.36	181.7	15.59	197.5	17.57	203.7	17.93	211.2	18.48	217.4	18.57
80	50	24.4	149.3	3.12	161.8	3.55	176.2	4.12	191.5	4.73	197.2	4.78	205.0	4.93	210.7	4.97
		35.6	149.3	3.04	161.8	3.50	176.2	4.07	191.5	4.64	197.2	4.71	205.0	4.84	210.7	4.89
		60.9	149.3	2.76	161.8	3.33	176.2	3.84	191.5	4.30	197.2	4.43	205.0	4.51	210.7	4.58
		76.1	149.3	2.74	161.8	3.22	176.2	3.76	191.5	4.22	197.2	4.30	205.0	4.43	210.7	4.48
		91.4	149.3	2.72	161.8	3.17	176.2	3.72	191.5	4.19	197.2	4.23	205.0	4.39	210.7	4.43
	59	24.4	149.3	4.19	161.8	4.84	176.2	5.63	191.5	6.38	197.2	6.50	205.0	6.67	210.7	6.78
		35.6	149.3	4.10	161.8	4.77	176.2	5.54	191.5	6.27	197.2	6.40	205.0	6.56	210.7	6.67
		60.9	149.3	3.75	161.8	4.47	176.2	5.20	191.5	5.84	197.2	6.00	205.0	6.13	210.7	6.24
		76.1	149.3	3.67	161.8	4.37	176.2	5.09	191.5	5.73	197.2	5.87	205.0	6.03	210.7	6.08
		91.4	149.3	3.63	161.8	4.31	176.2	5.03	191.5	5.68	197.2	5.80	205.0	5.97	210.7	6.00
	67	24.4	149.3	5.14	161.8	5.99	176.2	6.97	191.5	7.84	197.2	8.03	205.0	8.22	210.7	8.38
		35.6	149.3	5.03	161.8	5.89	176.2	6.86	191.5	7.71	197.2	7.90	205.0	8.09	210.7	8.25
		60.9	149.3	4.63	161.8	5.49	176.2	6.40	191.5	7.20	197.2	7.39	205.0	7.58	210.7	7.71
		76.1	149.3	4.50	161.8	5.38	176.2	6.27	191.5	7.07	197.2	7.26	205.0	7.45	210.7	7.50
		91.4	149.3	4.43	161.8	5.33	176.2	6.20	191.5	7.00	197.2	7.19	205.0	7.38	210.7	7.39
	75	24.4	149.3	6.29	161.8	7.30	176.2	8.49	191.5	9.55	197.2	9.80	205.0	10.04	210.7	10.21
		35.6	149.3	6.16	161.8	7.18	176.2	8.36	191.5	9.40	197.2	9.64	205.0	9.88	210.7	10.04
		60.9	149.3	5.65	161.8	6.70	176.2	7.82	191.5	8.81	197.2	9.00	205.0	9.24	210.7	9.40
		76.1	149.3	5.49	161.8	6.56	176.2	7.66	191.5	8.62	197.2	8.84	205.0	9.08	210.7	9.16
		91.4	149.3	5.41	161.8	6.49	176.2	7.58	191.5	8.53	197.2	8.76	205.0	9.00	210.7	9.04

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	24.4	149.3	7.70	161.8	8.95	176.2	10.45	191.5	11.76	197.2	12.03	205.0	12.33	210.7	12.58
		35.6	149.3	7.55	161.8	8.81	176.2	10.28	191.5	11.57	197.2	11.84	205.0	12.13	210.7	12.37
		60.9	149.3	6.96	161.8	8.25	176.2	9.61	191.5	10.82	197.2	11.09	205.0	11.36	210.7	11.57
		76.1	149.3	6.78	161.8	8.06	176.2	9.40	191.5	10.61	197.2	10.87	205.0	11.14	210.7	11.27
		91.4	149.3	6.68	161.8	7.97	176.2	9.29	191.5	10.50	197.2	10.77	205.0	11.03	210.7	11.13
	95	24.4	149.3	8.58	161.8	9.96	176.2	11.59	191.5	13.06	197.2	13.39	205.0	13.72	210.7	13.96
		35.6	149.3	8.41	161.8	9.80	176.2	11.41	191.5	12.86	197.2	13.18	205.0	13.50	210.7	13.74
		60.9	149.3	7.74	161.8	9.16	176.2	10.69	191.5	12.02	197.2	12.32	205.0	12.61	210.7	12.86
		76.1	149.3	7.53	161.8	8.97	176.2	10.47	191.5	11.78	197.2	12.08	205.0	12.40	210.7	12.51
		91.4	149.3	7.42	161.8	8.88	176.2	10.36	191.5	11.66	197.2	11.96	205.0	12.29	210.7	12.33
	104	24.4	149.3	10.17	161.8	11.82	176.2	13.75	191.5	15.49	197.2	15.84	205.0	16.25	210.7	16.52
		35.6	149.3	9.96	161.8	11.62	176.2	13.52	191.5	15.24	197.2	15.59	205.0	15.99	210.7	16.26
		60.9	149.3	9.16	161.8	10.85	176.2	12.64	191.5	14.25	197.2	14.57	205.0	14.94	210.7	15.21
		76.1	149.3	8.89	161.8	10.63	176.2	12.37	191.5	13.95	197.2	14.30	205.0	14.68	210.7	14.81
		91.4	149.3	8.76	161.8	10.52	176.2	12.24	191.5	13.80	197.2	14.17	205.0	14.54	210.7	14.61
	113	24.4	149.3	11.75	161.8	13.67	176.2	15.90	191.5	17.91	197.2	18.29	205.0	18.78	210.7	19.08
		35.6	149.3	11.52	161.8	13.44	176.2	15.64	191.5	17.62	197.2	18.00	205.0	18.48	210.7	18.77
		60.9	149.3	10.58	161.8	12.53	176.2	14.60	191.5	16.47	197.2	16.82	205.0	17.27	210.7	17.57
		76.1	149.3	10.26	161.8	12.29	176.2	14.27	191.5	16.12	197.2	16.52	205.0	16.95	210.7	17.11
		91.4	149.3	10.10	161.8	12.17	176.2	14.11	191.5	15.95	197.2	16.38	205.0	16.79	210.7	16.88
70	50	24.4	130.8	2.54	141.5	2.96	154.3	3.42	167.5	3.86	172.5	4.01	179.2	4.11	184.2	4.12
		35.6	130.8	2.50	141.5	2.91	154.3	3.37	167.5	3.81	172.5	3.94	179.2	4.05	184.2	4.07
		60.9	130.8	2.32	141.5	2.70	154.3	3.17	167.5	3.61	172.5	3.69	179.2	3.79	184.2	3.84
		76.1	130.8	2.27	141.5	2.65	154.3	3.12	167.5	3.50	172.5	3.58	179.2	3.68	184.2	3.74
		91.4	130.8	2.24	141.5	2.63	154.3	3.09	167.5	3.45	172.5	3.52	179.2	3.63	184.2	3.68
	59	24.4	130.8	3.47	141.5	4.03	154.3	4.68	167.5	5.28	172.5	5.42	179.2	5.55	184.2	5.63
		35.6	130.8	3.40	141.5	3.96	154.3	4.61	167.5	5.20	172.5	5.33	179.2	5.46	184.2	5.54
		60.9	130.8	3.13	141.5	3.70	154.3	4.31	167.5	4.87	172.5	4.98	179.2	5.12	184.2	5.20
		76.1	130.8	3.05	141.5	3.62	154.3	4.23	167.5	4.77	172.5	4.87	179.2	5.01	184.2	5.06
		91.4	130.8	3.01	141.5	3.58	154.3	4.19	167.5	4.71	172.5	4.82	179.2	4.95	184.2	4.99
	67	24.4	130.8	4.29	141.5	4.98	154.3	5.80	167.5	6.54	172.5	6.67	179.2	6.83	184.2	6.97
		35.6	130.8	4.20	141.5	4.90	154.3	5.70	167.5	6.43	172.5	6.56	179.2	6.72	184.2	6.86
		60.9	130.8	3.86	141.5	4.58	154.3	5.33	167.5	6.00	172.5	6.13	179.2	6.29	184.2	6.40
		76.1	130.8	3.75	141.5	4.47	154.3	5.22	167.5	5.89	172.5	6.03	179.2	6.19	184.2	6.24
		91.4	130.8	3.70	141.5	4.42	154.3	5.17	167.5	5.84	172.5	5.97	179.2	6.13	184.2	6.16
	75	24.4	130.8	5.22	141.5	6.07	154.3	7.04	167.5	7.95	172.5	8.14	179.2	8.32	184.2	8.49
		35.6	130.8	5.12	141.5	5.97	154.3	6.94	167.5	7.82	172.5	8.01	179.2	8.20	184.2	8.36
		60.9	130.8	4.71	141.5	5.57	154.3	6.51	167.5	7.31	172.5	7.50	179.2	7.69	184.2	7.82
		76.1	130.8	4.58	141.5	5.46	154.3	6.37	167.5	7.18	172.5	7.34	179.2	7.53	184.2	7.61
		91.4	130.8	4.51	141.5	5.41	154.3	6.31	167.5	7.11	172.5	7.26	179.2	7.44	184.2	7.50
86	24.4	130.8	6.42	141.5	7.46	154.3	8.69	167.5	9.77	172.5	10.02	179.2	10.26	184.2	10.45	
	35.6	130.8	6.29	141.5	7.34	154.3	8.54	167.5	9.61	172.5	9.86	179.2	10.10	184.2	10.28	
	60.9	130.8	5.78	141.5	6.86	154.3	7.98	167.5	9.00	172.5	9.21	179.2	9.45	184.2	9.61	
	76.1	130.8	5.62	141.5	6.72	154.3	7.82	167.5	8.81	172.5	9.05	179.2	9.27	184.2	9.37	
	91.4	130.8	5.54	141.5	6.65	154.3	7.74	167.5	8.72	172.5	8.97	179.2	9.17	184.2	9.25	
95	24.4	130.8	7.13	141.5	8.27	154.3	9.67	167.5	10.86	172.5	11.14	179.2	11.40	184.2	11.59	
	35.6	130.8	6.99	141.5	8.14	154.3	9.51	167.5	10.69	172.5	10.95	179.2	11.22	184.2	11.41	
	60.9	130.8	6.43	141.5	7.63	154.3	8.86	167.5	9.99	172.5	10.23	179.2	10.50	184.2	10.69	
	76.1	130.8	6.24	141.5	7.45	154.3	8.70	167.5	9.80	172.5	10.04	179.2	10.31	184.2	10.42	
	91.4	130.8	6.15	141.5	7.35	154.3	8.62	167.5	9.71	172.5	9.95	179.2	10.22	184.2	10.28	
104	24.4	130.8	8.44	141.5	9.80	154.3	11.43	167.5	12.88	172.5	13.17	179.2	13.50	184.2	13.74	
	35.6	130.8	8.28	141.5	9.64	154.3	11.25	167.5	12.67	172.5	12.96	179.2	13.28	184.2	13.52	
	60.9	130.8	7.61	141.5	9.03	154.3	10.53	167.5	11.84	172.5	12.13	179.2	12.43	184.2	12.67	
	76.1	130.8	7.39	141.5	8.84	154.3	10.28	167.5	11.60	172.5	11.89	179.2	12.21	184.2	12.32	
	91.4	130.8	7.28	141.5	8.74	154.3	10.16	167.5	11.47	172.5	11.77	179.2	12.10	184.2	12.14	

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM240BAS5

240,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	24.4	130.8	9.76	141.5	11.32	154.3	13.19	167.5	14.89	172.5	15.21	179.2	15.60	184.2	15.89
		35.6	130.8	9.56	141.5	11.14	154.3	12.99	167.5	14.65	172.5	14.97	179.2	15.35	184.2	15.64
		60.9	130.8	8.78	141.5	10.42	154.3	12.19	167.5	13.69	172.5	14.03	179.2	14.35	184.2	14.65
		76.1	130.8	8.54	141.5	10.23	154.3	11.86	167.5	13.39	172.5	13.74	179.2	14.11	184.2	14.22
		91.4	130.8	8.42	141.5	10.14	154.3	11.70	167.5	13.24	172.5	13.59	179.2	13.99	184.2	14.01
60	50	24.4	112.1	2.02	121.3	2.36	132.1	2.71	143.5	3.12	148.0	3.20	153.8	3.24	158.0	3.29
		35.6	112.1	1.98	121.3	2.32	132.1	2.67	143.5	3.07	148.0	3.14	153.8	3.19	158.0	3.24
		60.9	112.1	1.83	121.3	2.16	132.1	2.55	143.5	2.86	148.0	2.91	153.8	3.02	158.0	3.07
		76.1	112.1	1.75	121.3	2.14	132.1	2.50	143.5	2.81	148.0	2.86	153.8	2.94	158.0	2.99
		91.4	112.1	1.71	121.3	2.13	132.1	2.48	143.5	2.78	148.0	2.83	153.8	2.90	158.0	2.95
	59	24.4	112.1	2.76	121.3	3.21	132.1	3.72	143.5	4.22	148.0	4.33	153.8	4.41	158.0	4.49
		35.6	112.1	2.70	121.3	3.16	132.1	3.67	143.5	4.15	148.0	4.26	153.8	4.34	158.0	4.42
		60.9	112.1	2.49	121.3	2.95	132.1	3.45	143.5	3.88	148.0	3.96	153.8	4.07	158.0	4.15
		76.1	112.1	2.41	121.3	2.89	132.1	3.37	143.5	3.80	148.0	3.88	153.8	3.99	158.0	4.04
		91.4	112.1	2.37	121.3	2.87	132.1	3.33	143.5	3.76	148.0	3.84	153.8	3.95	158.0	3.99
	67	24.4	112.1	3.42	121.3	3.98	132.1	4.63	143.5	5.20	148.0	5.34	153.8	5.44	158.0	5.55
		35.6	112.1	3.35	121.3	3.91	132.1	4.55	143.5	5.12	148.0	5.25	153.8	5.36	158.0	5.46
		60.9	112.1	3.08	121.3	3.64	132.1	4.26	143.5	4.79	148.0	4.90	153.8	5.01	158.0	5.12
		76.1	112.1	3.00	121.3	3.56	132.1	4.15	143.5	4.69	148.0	4.79	153.8	4.93	158.0	4.98
		91.4	112.1	2.96	121.3	3.52	132.1	4.10	143.5	4.63	148.0	4.74	153.8	4.89	158.0	4.91
	75	24.4	112.1	4.15	121.3	4.85	132.1	5.64	143.5	6.34	148.0	6.48	153.8	6.64	158.0	6.78
		35.6	112.1	4.07	121.3	4.77	132.1	5.54	143.5	6.24	148.0	6.37	153.8	6.53	158.0	6.67
		60.9	112.1	3.75	121.3	4.45	132.1	5.17	143.5	5.84	148.0	5.97	153.8	6.13	158.0	6.24
		76.1	112.1	3.64	121.3	4.34	132.1	5.06	143.5	5.70	148.0	5.87	153.8	6.00	158.0	6.08
		91.4	112.1	3.59	121.3	4.28	132.1	5.01	143.5	5.64	148.0	5.81	153.8	5.93	158.0	6.00
	86	24.4	112.1	5.11	121.3	5.93	132.1	6.91	143.5	7.78	148.0	7.98	153.8	8.16	158.0	8.33
		35.6	112.1	5.01	121.3	5.84	132.1	6.80	143.5	7.66	148.0	7.85	153.8	8.03	158.0	8.20
		60.9	112.1	4.61	121.3	5.46	132.1	6.37	143.5	7.18	148.0	7.34	153.8	7.53	158.0	7.66
		76.1	112.1	4.47	121.3	5.36	132.1	6.24	143.5	7.04	148.0	7.20	153.8	7.39	158.0	7.47
		91.4	112.1	4.41	121.3	5.30	132.1	6.17	143.5	6.98	148.0	7.14	153.8	7.32	158.0	7.38
	95	24.4	112.1	5.69	121.3	6.62	132.1	7.71	143.5	8.65	148.0	8.87	153.8	9.09	158.0	9.25
		35.6	112.1	5.57	121.3	6.51	132.1	7.58	143.5	8.52	148.0	8.73	153.8	8.94	158.0	9.11
		60.9	112.1	5.12	121.3	6.08	132.1	7.07	143.5	7.98	148.0	8.17	153.8	8.36	158.0	8.52
		76.1	112.1	4.98	121.3	5.95	132.1	6.94	143.5	7.82	148.0	8.01	153.8	8.22	158.0	8.30
		91.4	112.1	4.91	121.3	5.88	132.1	6.87	143.5	7.74	148.0	7.93	153.8	8.15	158.0	8.19
	104	24.4	112.1	6.72	121.3	7.81	132.1	9.12	143.5	10.27	148.0	10.51	153.8	10.75	158.0	10.97
		35.6	112.1	6.59	121.3	7.69	132.1	8.97	143.5	10.10	148.0	10.34	153.8	10.58	158.0	10.79
		60.9	112.1	6.08	121.3	7.20	132.1	8.38	143.5	9.43	148.0	9.67	153.8	9.91	158.0	10.10
		76.1	112.1	5.89	121.3	7.04	132.1	8.22	143.5	9.24	148.0	9.48	153.8	9.72	158.0	9.83
		91.4	112.1	5.80	121.3	6.96	132.1	8.14	143.5	9.15	148.0	9.39	153.8	9.63	158.0	9.69
	113	24.4	112.1	7.75	121.3	9.00	132.1	10.53	143.5	11.88	148.0	12.14	153.8	12.40	158.0	12.68
		35.6	112.1	7.61	121.3	8.86	132.1	10.36	143.5	11.68	148.0	11.94	153.8	12.21	158.0	12.48
		60.9	112.1	7.04	121.3	8.33	132.1	9.69	143.5	10.87	148.0	11.17	153.8	11.46	158.0	11.68
		76.1	112.1	6.80	121.3	8.14	132.1	9.51	143.5	10.66	148.0	10.95	153.8	11.22	158.0	11.36
		91.4	112.1	6.68	121.3	8.05	132.1	9.41	143.5	10.55	148.0	10.85	153.8	11.10	158.0	11.19
50	50	24.4	93.4	1.50	101.1	1.75	110.1	2.11	119.8	2.30	123.3	2.34	128.1	2.44	131.6	2.46
		35.6	93.4	1.47	101.1	1.72	110.1	2.07	119.8	2.27	123.3	2.32	128.1	2.40	131.6	2.42
		60.9	93.4	1.34	101.1	1.62	110.1	1.91	119.8	2.14	123.3	2.22	128.1	2.21	131.6	2.27
		76.1	93.4	1.31	101.1	1.63	110.1	1.85	119.8	2.09	123.3	2.11	128.1	2.19	131.6	2.19
		91.4	93.4	1.30	101.1	1.63	110.1	1.83	119.8	2.06	123.3	2.05	128.1	2.18	131.6	2.15
	59	24.4	93.4	2.05	101.1	2.40	110.1	2.81	119.8	3.13	123.3	3.21	128.1	3.29	131.6	3.35
		35.6	93.4	2.01	101.1	2.36	110.1	2.76	119.8	3.08	123.3	3.16	128.1	3.24	131.6	3.29
		60.9	93.4	1.85	101.1	2.20	110.1	2.57	119.8	2.89	123.3	2.97	128.1	3.03	131.6	3.08
		76.1	93.4	1.79	101.1	2.17	110.1	2.52	119.8	2.84	123.3	2.89	128.1	2.97	131.6	3.00
		91.4	93.4	1.77	101.1	2.16	110.1	2.49	119.8	2.81	123.3	2.85	128.1	2.95	131.6	2.96

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 240,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	67	24.4	93.4	2.54	101.1	2.97	110.1	3.43	119.8	3.86	123.3	3.98	128.1	4.05	131.6	4.14
		35.6	93.4	2.49	101.1	2.92	110.1	3.37	119.8	3.80	123.3	3.91	128.1	3.99	131.6	4.07
		60.9	93.4	2.30	101.1	2.70	110.1	3.16	119.8	3.56	123.3	3.64	128.1	3.75	131.6	3.80
		76.1	93.4	2.22	101.1	2.65	110.1	3.11	119.8	3.51	123.3	3.59	128.1	3.67	131.6	3.72
		91.4	93.4	2.18	101.1	2.62	110.1	3.08	119.8	3.48	123.3	3.56	128.1	3.63	131.6	3.68
	75	24.4	93.4	3.09	101.1	3.59	110.1	4.19	119.8	4.74	123.3	4.85	128.1	4.96	131.6	5.03
		35.6	93.4	3.03	101.1	3.54	110.1	4.12	119.8	4.66	123.3	4.77	128.1	4.87	131.6	4.95
		60.9	93.4	2.79	101.1	3.32	110.1	3.86	119.8	4.34	123.3	4.45	128.1	4.55	131.6	4.66
		76.1	93.4	2.70	101.1	3.24	110.1	3.78	119.8	4.26	123.3	4.37	128.1	4.47	131.6	4.53
		91.4	93.4	2.66	101.1	3.20	110.1	3.74	119.8	4.22	123.3	4.32	128.1	4.43	131.6	4.46
	86	24.4	93.4	3.83	101.1	4.44	110.1	5.18	119.8	5.83	123.3	5.97	128.1	6.09	131.6	6.21
		35.6	93.4	3.75	101.1	4.37	110.1	5.09	119.8	5.73	123.3	5.87	128.1	6.00	131.6	6.11
		60.9	93.4	3.43	101.1	4.07	110.1	4.74	119.8	5.36	123.3	5.46	128.1	5.62	131.6	5.70
		76.1	93.4	3.35	101.1	3.99	110.1	4.66	119.8	5.25	123.3	5.38	128.1	5.52	131.6	5.57
		91.4	93.4	3.31	101.1	3.95	110.1	4.62	119.8	5.20	123.3	5.34	128.1	5.46	131.6	5.50
	95	24.4	93.4	4.23	101.1	4.93	110.1	5.75	119.8	6.45	123.3	6.62	128.1	6.78	131.6	6.88
		35.6	93.4	4.15	101.1	4.85	110.1	5.65	119.8	6.35	123.3	6.51	128.1	6.67	131.6	6.78
		60.9	93.4	3.83	101.1	4.53	110.1	5.28	119.8	5.95	123.3	6.08	128.1	6.24	131.6	6.35
		76.1	93.4	3.72	101.1	4.45	110.1	5.17	119.8	5.84	123.3	5.97	128.1	6.13	131.6	6.19
		91.4	93.4	3.67	101.1	4.41	110.1	5.11	119.8	5.78	123.3	5.92	128.1	6.08	131.6	6.11
	104	24.4	93.4	5.03	101.1	5.83	110.1	6.81	119.8	7.65	123.3	7.84	128.1	8.03	131.6	8.16
		35.6	93.4	4.93	101.1	5.73	110.1	6.70	119.8	7.53	123.3	7.71	128.1	7.90	131.6	8.03
		60.9	93.4	4.53	101.1	5.36	110.1	6.24	119.8	7.04	123.3	7.20	128.1	7.39	131.6	7.53
		76.1	93.4	4.39	101.1	5.25	110.1	6.13	119.8	6.91	123.3	7.07	128.1	7.26	131.6	7.31
		91.4	93.4	4.32	101.1	5.20	110.1	6.08	119.8	6.84	123.3	7.00	128.1	7.19	131.6	7.20
	113	24.4	93.4	5.83	101.1	6.72	110.1	7.88	119.8	8.85	123.3	9.07	128.1	9.28	131.6	9.44
		35.6	93.4	5.70	101.1	6.62	110.1	7.74	119.8	8.70	123.3	8.92	128.1	9.13	131.6	9.29
		60.9	93.4	5.22	101.1	6.19	110.1	7.20	119.8	8.14	123.3	8.33	128.1	8.54	131.6	8.70
		76.1	93.4	5.06	101.1	6.05	110.1	7.10	119.8	7.98	123.3	8.17	128.1	8.38	131.6	8.44
		91.4	93.4	4.98	101.1	5.99	110.1	7.04	119.8	7.90	123.3	8.09	128.1	8.30	131.6	8.30

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA



ARWM264BAS5

264,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
130	50	26.4	245.5	5.83	265.9	6.84	289.3	7.97	314.4	8.93	324.0	9.13	336.7	9.43	346.1	9.57
		35.6	245.5	5.73	265.9	6.72	289.3	7.83	314.4	8.79	324.0	9.00	336.7	9.27	346.1	9.42
		65.9	245.5	5.31	265.9	6.24	289.3	7.29	314.4	8.22	324.0	8.46	336.7	8.64	346.1	8.85
		82.4	245.5	5.16	265.9	6.15	289.3	7.17	314.4	8.04	324.0	8.28	336.7	8.49	346.1	8.61
		98.9	245.5	5.08	265.9	6.11	289.3	7.11	314.4	7.94	324.0	8.19	336.7	8.42	346.1	8.48
	59	26.4	241.4	7.69	261.5	8.96	284.6	10.45	309.4	11.74	318.8	12.01	331.2	12.33	340.5	12.54
		35.6	241.4	7.54	261.5	8.82	284.6	10.27	309.4	11.55	318.8	11.83	331.2	12.14	340.5	12.35
		65.9	241.4	6.95	261.5	8.23	284.6	9.59	309.4	10.80	318.8	11.08	331.2	11.36	340.5	11.61
		82.4	241.4	6.77	261.5	8.07	284.6	9.41	309.4	10.59	318.8	10.86	331.2	11.14	340.5	11.33
		98.9	241.4	6.67	261.5	7.99	284.6	9.31	309.4	10.48	318.8	10.75	331.2	11.03	340.5	11.19
	67	26.4	237.8	9.35	257.7	10.85	280.5	12.65	305.0	14.23	314.1	14.58	326.2	14.91	335.6	15.19
		35.6	237.8	9.16	257.7	10.68	280.5	12.45	305.0	14.00	314.1	14.34	326.2	14.68	335.6	14.96
		65.9	237.8	8.41	257.7	10.00	280.5	11.64	305.0	13.10	314.1	13.41	326.2	13.78	335.6	14.06
		82.4	237.8	8.19	257.7	9.78	280.5	11.39	305.0	12.85	314.1	13.16	326.2	13.50	335.6	13.75
		98.9	237.8	8.09	257.7	9.67	280.5	11.27	305.0	12.73	314.1	13.04	326.2	13.36	335.6	13.59
	75	26.4	237.8	11.53	257.7	13.37	280.5	15.59	305.0	17.58	314.1	17.98	326.2	18.41	335.6	18.72
		35.6	237.8	11.30	257.7	13.16	280.5	15.33	305.0	17.29	314.1	17.69	326.2	18.13	335.6	18.44
		65.9	237.8	10.40	257.7	12.32	280.5	14.34	305.0	16.14	314.1	16.55	326.2	17.01	335.6	17.32
		82.4	237.8	10.09	257.7	12.04	280.5	14.06	305.0	15.83	314.1	16.23	326.2	16.67	335.6	16.95
		98.9	237.8	9.93	257.7	11.90	280.5	13.92	305.0	15.67	314.1	16.08	326.2	16.50	335.6	16.76
	86	26.4	237.8	13.85	257.7	16.06	280.5	18.71	305.0	21.08	314.1	21.58	326.2	22.11	335.6	22.47
		35.6	237.8	13.57	257.7	15.80	280.5	18.41	305.0	20.74	314.1	21.23	326.2	21.76	335.6	22.13
		65.9	237.8	12.45	257.7	14.78	280.5	17.23	305.0	19.37	314.1	19.87	326.2	20.39	335.6	20.80
		82.4	237.8	12.11	257.7	14.47	280.5	16.86	305.0	19.00	314.1	19.49	326.2	19.99	335.6	20.33
		98.9	237.8	11.93	257.7	14.31	280.5	16.67	305.0	18.81	314.1	19.31	326.2	19.79	335.6	20.10
	95	26.4	214.2	13.96	231.8	16.25	252.4	18.93	274.5	21.29	282.7	21.83	293.7	22.36	302.0	22.72
		35.6	214.2	13.69	231.8	15.99	252.4	18.62	274.5	20.95	282.7	21.48	293.7	22.01	302.0	22.38
		65.9	214.2	12.60	231.8	14.93	252.4	17.41	274.5	19.62	282.7	20.08	293.7	20.61	302.0	21.05
		82.4	214.2	12.26	231.8	14.62	252.4	17.04	274.5	19.21	282.7	19.71	293.7	20.21	302.0	20.55
		98.9	214.2	12.09	231.8	14.46	252.4	16.85	274.5	19.01	282.7	19.52	293.7	20.00	302.0	20.30
	104	26.4	190.2	14.76	206.2	17.13	224.4	19.97	243.9	22.46	251.3	22.99	261.0	23.55	268.4	23.98
		35.6	190.2	14.47	206.2	16.86	224.4	19.65	243.9	22.10	251.3	22.63	261.0	23.19	268.4	23.62
		65.9	190.2	13.29	206.2	15.77	224.4	18.38	243.9	20.67	251.3	21.20	261.0	21.76	268.4	22.19
		82.4	190.2	12.91	206.2	15.43	224.4	17.97	243.9	20.27	251.3	20.80	261.0	21.33	268.4	21.70
		98.9	190.2	12.73	206.2	15.26	224.4	17.77	243.9	20.07	251.3	20.59	261.0	21.11	268.4	21.45
	113	26.4	166.3	15.56	180.6	18.01	196.3	21.01	213.3	23.63	220.0	24.15	228.2	24.74	234.8	25.25
		35.6	166.3	15.24	180.6	17.72	196.3	20.67	213.3	23.25	220.0	23.78	228.2	24.37	234.8	24.86
		65.9	166.3	13.97	180.6	16.61	196.3	19.34	213.3	21.73	220.0	22.32	228.2	22.91	234.8	23.34
		82.4	166.3	13.57	180.6	16.23	196.3	18.90	213.3	21.33	220.0	21.88	228.2	22.44	234.8	22.85
		98.9	166.3	13.36	180.6	16.05	196.3	18.69	213.3	21.12	220.0	21.67	228.2	22.21	234.8	22.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
120	50	26.4	232.4	5.57	251.4	6.49	274.0	7.51	297.7	8.46	306.5	8.72	318.6	8.93	327.5	9.03
		35.6	232.4	5.45	251.4	6.38	274.0	7.40	297.7	8.33	306.5	8.57	318.6	8.78	327.5	8.90
		65.9	232.4	5.00	251.4	5.96	274.0	6.95	297.7	7.79	306.5	7.97	318.6	8.18	327.5	8.36
		82.4	232.4	4.85	251.4	5.78	274.0	6.80	297.7	7.61	306.5	7.85	318.6	8.03	327.5	8.18
		98.9	232.4	4.77	251.4	5.68	274.0	6.73	297.7	7.51	306.5	7.79	318.6	7.95	327.5	8.09
	59	26.4	229.6	7.38	248.6	8.58	270.9	9.97	294.3	11.23	303.1	11.52	314.9	11.80	323.7	11.98
		35.6	229.6	7.23	248.6	8.44	270.9	9.81	294.3	11.05	303.1	11.33	314.9	11.61	323.7	11.80
		65.9	229.6	6.64	248.6	7.88	270.9	9.19	294.3	10.34	303.1	10.59	314.9	10.86	323.7	11.08
		82.4	229.6	6.46	248.6	7.70	270.9	9.00	294.3	10.12	303.1	10.40	314.9	10.65	323.7	10.83
		98.9	229.6	6.36	248.6	7.60	270.9	8.91	294.3	10.01	303.1	10.31	314.9	10.54	323.7	10.71
	67	26.4	227.1	9.00	246.1	10.45	268.1	12.15	291.3	13.69	300.1	14.00	311.6	14.34	320.4	14.59
		35.6	227.1	8.82	246.1	10.27	268.1	11.95	291.3	13.47	300.1	13.78	311.6	14.12	320.4	14.37
		65.9	227.1	8.10	246.1	9.59	268.1	11.17	291.3	12.60	300.1	12.91	311.6	13.25	320.4	13.50
		82.4	227.1	7.88	246.1	9.41	268.1	10.96	291.3	12.35	300.1	12.66	311.6	12.98	320.4	13.19
		98.9	227.1	7.78	246.1	9.31	268.1	10.85	291.3	12.23	300.1	12.54	311.6	12.83	320.4	13.04
	75	26.4	227.1	11.05	246.1	12.85	268.1	14.96	291.3	16.81	300.1	17.22	311.6	17.67	320.4	17.97
		35.6	227.1	10.83	246.1	12.63	268.1	14.71	291.3	16.55	300.1	16.95	311.6	17.38	320.4	17.69
		65.9	227.1	9.96	246.1	11.80	268.1	13.75	291.3	15.49	300.1	15.86	311.6	16.27	320.4	16.61
		82.4	227.1	9.68	246.1	11.55	268.1	13.47	291.3	15.18	300.1	15.55	311.6	15.96	320.4	16.20
		98.9	227.1	9.54	246.1	11.42	268.1	13.33	291.3	15.02	300.1	15.40	311.6	15.80	320.4	16.00
	86	26.4	227.1	13.33	246.1	15.52	268.1	18.08	291.3	20.35	300.1	20.82	311.6	21.35	320.4	21.72
		35.6	227.1	13.07	246.1	15.27	268.1	17.79	291.3	20.02	300.1	20.49	311.6	21.02	320.4	21.39
		65.9	227.1	12.04	246.1	14.28	268.1	16.61	291.3	18.72	300.1	19.18	311.6	19.68	320.4	20.05
		82.4	227.1	11.70	246.1	13.97	268.1	16.27	291.3	18.35	300.1	18.81	311.6	19.31	320.4	19.59
		98.9	227.1	11.53	246.1	13.81	268.1	16.09	291.3	18.16	300.1	18.62	311.6	19.12	320.4	19.35
	95	26.4	207.8	13.68	225.2	15.90	245.3	18.52	266.5	20.86	274.5	21.36	285.2	21.85	293.2	22.26
		35.6	207.8	13.41	225.2	15.64	245.3	18.22	266.5	20.52	274.5	21.02	285.2	21.51	293.2	21.92
		65.9	207.8	12.32	225.2	14.62	245.3	17.04	266.5	19.18	274.5	19.65	285.2	20.18	293.2	20.55
		82.4	207.8	11.98	225.2	14.31	245.3	16.70	266.5	18.81	274.5	19.28	285.2	19.77	293.2	20.08
		98.9	207.8	11.81	225.2	14.15	245.3	16.53	266.5	18.62	274.5	19.09	285.2	19.57	293.2	19.85
	104	26.4	188.6	14.72	204.3	17.10	222.4	19.94	242.0	22.43	249.1	22.97	258.8	23.53	265.9	23.96
		35.6	188.6	14.43	204.3	16.82	222.4	19.62	242.0	22.07	249.1	22.60	258.8	23.16	265.9	23.59
		65.9	188.6	13.29	204.3	15.74	222.4	18.35	242.0	20.64	249.1	21.14	258.8	21.70	265.9	22.13
		82.4	188.6	12.91	204.3	15.40	222.4	17.97	242.0	20.24	249.1	20.77	258.8	21.29	265.9	21.60
		98.9	188.6	12.73	204.3	15.22	222.4	17.79	242.0	20.04	249.1	20.58	258.8	21.09	265.9	21.34
	113	26.4	169.3	15.76	183.3	18.29	199.6	21.36	217.5	24.01	223.8	24.57	232.3	25.20	238.7	25.66
		35.6	169.3	15.46	183.3	18.00	199.6	21.02	217.5	23.62	223.8	24.18	232.3	24.80	238.7	25.27
		65.9	169.3	14.25	183.3	16.86	199.6	19.65	217.5	22.10	223.8	22.63	232.3	23.22	238.7	23.72
		82.4	169.3	13.84	183.3	16.48	199.6	19.25	217.5	21.67	223.8	22.26	232.3	22.82	238.7	23.13
		98.9	169.3	13.64	183.3	16.30	199.6	19.04	217.5	21.45	223.8	22.07	232.3	22.61	238.7	22.83

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM264BAS5

264,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

MULTI V Water 5 Outdoor Unit Performance Data Manual

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
110	50	26.4	219.0	5.25	237.5	6.08	258.4	7.12	280.7	7.99	288.9	8.16	300.5	8.42	308.5	8.54
		35.6	219.0	5.15	237.5	5.98	258.4	7.00	280.7	7.87	288.9	8.04	300.5	8.29	308.5	8.40
		65.9	219.0	4.73	237.5	5.59	258.4	6.52	280.7	7.36	288.9	7.57	300.5	7.75	308.5	7.87
		82.4	219.0	4.61	237.5	5.47	258.4	6.37	280.7	7.24	288.9	7.35	300.5	7.60	308.5	7.69
		98.9	219.0	4.55	237.5	5.41	258.4	6.29	280.7	7.18	288.9	7.24	300.5	7.52	308.5	7.60
	59	26.4	217.8	7.03	235.9	8.17	256.8	9.53	279.1	10.73	287.4	10.97	298.7	11.26	306.9	11.45
		35.6	217.8	6.89	235.9	8.04	256.8	9.37	279.1	10.55	287.4	10.80	298.7	11.08	306.9	11.27
		65.9	217.8	6.33	235.9	7.51	256.8	8.75	279.1	9.87	287.4	10.12	298.7	10.37	306.9	10.55
		82.4	217.8	6.18	235.9	7.36	256.8	8.57	279.1	9.68	287.4	9.90	298.7	10.18	306.9	10.31
		98.9	217.8	6.10	235.9	7.28	256.8	8.47	279.1	9.59	287.4	9.79	298.7	10.09	306.9	10.18
	67	26.4	216.7	8.62	234.5	10.04	255.5	11.67	277.8	13.16	286.0	13.47	297.0	13.78	305.6	14.03
		35.6	216.7	8.44	234.5	9.87	255.5	11.49	277.8	12.94	286.0	13.25	297.0	13.57	305.6	13.81
		65.9	216.7	7.76	234.5	9.22	255.5	10.74	277.8	12.11	286.0	12.39	297.0	12.70	305.6	12.94
		82.4	216.7	7.57	234.5	9.03	255.5	10.52	277.8	11.86	286.0	12.17	297.0	12.48	305.6	12.63
		98.9	216.7	7.48	234.5	8.94	255.5	10.41	277.8	11.73	286.0	12.06	297.0	12.37	305.6	12.48
	75	26.4	216.7	10.54	234.5	12.27	255.5	14.29	277.8	16.09	286.0	16.46	297.0	16.87	305.6	17.18
		35.6	216.7	10.34	234.5	12.08	255.5	14.06	277.8	15.83	286.0	16.20	297.0	16.61	305.6	16.92
		65.9	216.7	9.53	234.5	11.30	255.5	13.16	277.8	14.81	286.0	15.18	297.0	15.55	305.6	15.86
		82.4	216.7	9.25	234.5	11.05	255.5	12.88	277.8	14.53	286.0	14.87	297.0	15.27	305.6	15.46
		98.9	216.7	9.11	234.5	10.93	255.5	12.74	277.8	14.39	286.0	14.71	297.0	15.13	305.6	15.26
	86	26.4	216.7	12.85	234.5	14.96	255.5	17.42	277.8	19.63	286.0	20.09	297.0	20.56	305.6	20.94
		35.6	216.7	12.60	234.5	14.71	255.5	17.13	277.8	19.31	286.0	19.77	297.0	20.24	305.6	20.61
		65.9	216.7	11.61	234.5	13.75	255.5	16.02	277.8	18.04	286.0	18.50	297.0	18.97	305.6	19.31
		82.4	216.7	11.30	234.5	13.47	255.5	15.71	277.8	17.69	286.0	18.13	297.0	18.59	305.6	18.84
		98.9	216.7	11.14	234.5	13.33	255.5	15.55	277.8	17.52	286.0	17.94	297.0	18.41	305.6	18.61
	95	26.4	201.8	13.40	218.6	15.55	238.1	18.11	258.8	20.41	266.5	20.89	276.9	21.38	284.6	21.79
		35.6	201.8	13.13	218.6	15.30	238.1	17.82	258.8	20.08	266.5	20.55	276.9	21.05	284.6	21.45
		65.9	201.8	12.08	218.6	14.31	238.1	16.67	258.8	18.78	266.5	19.21	276.9	19.71	284.6	20.08
		82.4	201.8	11.73	218.6	14.00	238.1	16.33	258.8	18.41	266.5	18.87	276.9	19.34	284.6	19.59
		98.9	201.8	11.56	218.6	13.84	238.1	16.16	258.8	18.22	266.5	18.70	276.9	19.15	284.6	19.34
	104	26.4	186.9	14.69	202.6	17.11	220.5	19.91	239.8	22.40	246.9	22.94	256.6	23.49	263.7	23.94
		35.6	186.9	14.40	202.6	16.82	220.5	19.59	239.8	22.04	246.9	22.57	256.6	23.13	263.7	23.56
		65.9	186.9	13.25	202.6	15.71	220.5	18.31	239.8	20.61	246.9	21.11	256.6	21.67	263.7	22.07
		82.4	186.9	12.88	202.6	15.37	220.5	17.94	239.8	20.21	246.9	20.74	256.6	21.26	263.7	21.51
		98.9	186.9	12.69	202.6	15.19	220.5	17.75	239.8	20.00	246.9	20.55	256.6	21.06	263.7	21.23
	113	26.4	172.1	15.99	186.6	18.66	202.9	21.71	220.8	24.39	227.4	24.98	236.2	25.61	242.8	26.08
		35.6	172.1	15.68	186.6	18.35	202.9	21.36	220.8	24.00	227.4	24.58	236.2	25.21	242.8	25.67
		65.9	172.1	14.43	186.6	17.10	202.9	19.96	220.8	22.44	227.4	23.00	236.2	23.62	242.8	24.06
		82.4	172.1	14.03	186.6	16.73	202.9	19.56	220.8	22.01	227.4	22.60	236.2	23.19	242.8	23.44
		98.9	172.1	13.83	186.6	16.54	202.9	19.35	220.8	21.79	227.4	22.39	236.2	22.97	242.8	23.12

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
100	50	26.4	205.9	4.97	223.0	5.78	242.8	6.63	264.0	7.56	272.0	7.66	282.4	7.92	290.4	8.07
		35.6	205.9	4.87	223.0	5.68	242.8	6.53	264.0	7.44	272.0	7.55	282.4	7.80	290.4	7.95
		65.9	205.9	4.48	223.0	5.28	242.8	6.15	264.0	6.96	272.0	7.11	282.4	7.29	290.4	7.44
		82.4	205.9	4.33	223.0	5.16	242.8	6.00	264.0	6.81	272.0	6.96	282.4	7.14	290.4	7.19
		98.9	205.9	4.25	223.0	5.10	242.8	5.92	264.0	6.73	272.0	6.88	282.4	7.06	290.4	7.07
	59	26.4	205.9	6.71	223.0	7.79	242.8	9.05	264.0	10.22	272.0	10.44	282.4	10.73	290.4	10.91
		35.6	205.9	6.58	223.0	7.67	242.8	8.91	264.0	10.06	272.0	10.27	282.4	10.55	290.4	10.74
		65.9	205.9	6.05	223.0	7.17	242.8	8.35	264.0	9.41	272.0	9.62	282.4	9.87	290.4	10.06
		82.4	205.9	5.87	223.0	7.02	242.8	8.16	264.0	9.22	272.0	9.44	282.4	9.68	290.4	9.78
		98.9	205.9	5.77	223.0	6.94	242.8	8.07	264.0	9.13	272.0	9.34	282.4	9.59	290.4	9.64
	67	26.4	205.9	8.27	223.0	9.59	242.8	11.20	264.0	12.59	272.0	12.91	282.4	13.22	290.4	13.44
		35.6	205.9	8.10	223.0	9.44	242.8	11.02	264.0	12.39	272.0	12.70	282.4	13.01	290.4	13.22
		65.9	205.9	7.45	223.0	8.85	242.8	10.31	264.0	11.58	272.0	11.86	282.4	12.17	290.4	12.39
		82.4	205.9	7.23	223.0	8.66	242.8	10.09	264.0	11.36	272.0	11.64	282.4	11.95	290.4	12.08
		98.9	205.9	7.12	223.0	8.57	242.8	9.98	264.0	11.25	272.0	11.53	282.4	11.84	290.4	11.92
	75	26.4	205.9	10.07	223.0	11.70	242.8	13.63	264.0	15.37	272.0	15.75	282.4	16.12	290.4	16.40
		35.6	205.9	9.87	223.0	11.52	242.8	13.41	264.0	15.12	272.0	15.49	282.4	15.86	290.4	16.14
		65.9	205.9	9.10	223.0	10.77	242.8	12.54	264.0	14.12	272.0	14.47	282.4	14.84	290.4	15.12
		82.4	205.9	8.85	223.0	10.55	242.8	12.29	264.0	13.84	272.0	14.19	282.4	14.56	290.4	14.71
		98.9	205.9	8.72	223.0	10.44	242.8	12.17	264.0	13.70	272.0	14.05	282.4	14.42	290.4	14.51
	86	26.4	205.9	12.38	223.0	14.42	242.8	16.79	264.0	18.90	272.0	19.34	282.4	19.81	290.4	20.19
		35.6	205.9	12.14	223.0	14.19	242.8	16.51	264.0	18.59	272.0	19.03	282.4	19.49	290.4	19.87
		65.9	205.9	11.17	223.0	13.25	242.8	15.43	264.0	17.38	272.0	17.79	282.4	18.25	290.4	18.59
		82.4	205.9	10.86	223.0	12.98	242.8	15.12	264.0	17.04	272.0	17.48	282.4	17.91	290.4	18.10
		98.9	205.9	10.71	223.0	12.83	242.8	14.96	264.0	16.87	272.0	17.32	282.4	17.74	290.4	17.85
	95	26.4	195.7	13.08	212.0	15.21	230.7	17.70	250.8	19.94	258.2	20.41	268.4	20.91	275.8	21.29
		35.6	195.7	12.82	212.0	14.96	230.7	17.41	250.8	19.62	258.2	20.08	268.4	20.58	275.8	20.95
		65.9	195.7	11.80	212.0	14.00	230.7	16.30	250.8	18.35	258.2	18.78	268.4	19.28	275.8	19.62
		82.4	195.7	11.49	212.0	13.69	230.7	15.96	250.8	18.00	258.2	18.44	268.4	18.90	275.8	19.09
		98.9	195.7	11.33	212.0	13.53	230.7	15.78	250.8	17.83	258.2	18.27	268.4	18.72	275.8	18.82
	104	26.4	185.3	14.70	200.7	17.07	218.6	19.88	237.6	22.37	244.7	22.90	254.4	23.47	261.2	23.87
		35.6	185.3	14.40	200.7	16.79	218.6	19.56	237.6	22.01	244.7	22.54	254.4	23.09	261.2	23.50
		65.9	185.3	13.22	200.7	15.71	218.6	18.28	237.6	20.58	244.7	21.08	254.4	21.60	261.2	22.01
		82.4	185.3	12.88	200.7	15.37	218.6	17.91	237.6	20.18	244.7	20.67	254.4	21.20	261.2	21.42
		98.9	185.3	12.71	200.7	15.19	218.6	17.72	237.6	19.97	244.7	20.47	254.4	21.00	261.2	21.12
	113	26.4	174.8	16.32	189.4	18.93	206.5	22.06	224.4	24.80	231.2	25.40	240.3	26.03	246.7	26.46
		35.6	174.8	15.99	189.4	18.62	206.5	21.70	224.4	24.40	231.2	24.99	240.3	25.61	246.7	26.04
		65.9	174.8	14.65	189.4	17.41	206.5	20.27	224.4	22.82	231.2	23.37	240.3	23.93	246.7	24.40
		82.4	174.8	14.28	189.4	17.04	206.5	19.87	224.4	22.35	231.2	22.91	240.3	23.50	246.7	23.75
		98.9	174.8	14.09	189.4	16.85	206.5	19.66	224.4	22.12	231.2	22.67	240.3	23.28	246.7	23.42

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

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# COOLING CAPACITY DATA



ARWM264BAS5

264,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
90	50	26.4	185.3	4.22	200.7	4.90	218.6	5.73	237.6	6.49	244.7	6.60	254.4	6.74	261.2	6.95
		35.6	185.3	4.15	200.7	4.83	218.6	5.64	237.6	6.39	244.7	6.51	254.4	6.65	261.2	6.84
		65.9	185.3	3.85	200.7	4.57	218.6	5.28	237.6	6.01	244.7	6.12	254.4	6.31	261.2	6.39
		82.4	185.3	3.73	200.7	4.42	218.6	5.20	237.6	5.82	244.7	6.00	254.4	6.19	261.2	6.18
		98.9	185.3	3.67	200.7	4.34	218.6	5.15	237.6	5.73	244.7	5.94	254.4	6.12	261.2	6.07
	59	26.4	185.3	5.76	200.7	6.68	218.6	7.79	237.6	8.80	244.7	8.99	254.4	9.21	261.2	9.40
		35.6	185.3	5.65	200.7	6.58	218.6	7.67	237.6	8.66	244.7	8.85	254.4	9.06	261.2	9.25
		65.9	185.3	5.21	200.7	6.18	218.6	7.17	237.6	8.10	244.7	8.29	254.4	8.51	261.2	8.66
		82.4	185.3	5.06	200.7	6.02	218.6	7.05	237.6	7.92	244.7	8.13	254.4	8.35	261.2	8.41
		98.9	185.3	4.98	200.7	5.94	218.6	6.98	237.6	7.82	244.7	8.05	254.4	8.27	261.2	8.29
	67	26.4	185.3	7.13	200.7	8.27	218.6	9.62	237.6	10.86	244.7	11.11	254.4	11.39	261.2	11.57
		35.6	185.3	6.98	200.7	8.13	218.6	9.47	237.6	10.68	244.7	10.93	254.4	11.21	261.2	11.39
		65.9	185.3	6.43	200.7	7.61	218.6	8.85	237.6	9.96	244.7	10.21	254.4	10.46	261.2	10.68
		82.4	185.3	6.24	200.7	7.45	218.6	8.69	237.6	9.78	244.7	10.03	254.4	10.27	261.2	10.40
		98.9	185.3	6.15	200.7	7.37	218.6	8.61	237.6	9.68	244.7	9.93	254.4	10.18	261.2	10.26
	75	26.4	185.3	8.68	200.7	10.10	218.6	11.74	237.6	13.22	244.7	13.54	254.4	13.88	261.2	14.13
		35.6	185.3	8.51	200.7	9.93	218.6	11.55	237.6	13.01	244.7	13.32	254.4	13.66	261.2	13.91
		65.9	185.3	7.82	200.7	9.28	218.6	10.80	237.6	12.17	244.7	12.45	254.4	12.79	261.2	13.01
		82.4	185.3	7.61	200.7	9.06	218.6	10.59	237.6	11.92	244.7	12.23	254.4	12.54	261.2	12.66
		98.9	185.3	7.50	200.7	8.95	218.6	10.48	237.6	11.79	244.7	12.12	254.4	12.42	261.2	12.49
	86	26.4	185.3	10.67	200.7	12.40	218.6	14.45	237.6	16.28	244.7	16.66	254.4	17.07	261.2	17.39
		35.6	185.3	10.46	200.7	12.20	218.6	14.22	237.6	16.02	244.7	16.39	254.4	16.79	261.2	17.10
		65.9	185.3	9.62	200.7	11.39	218.6	13.29	237.6	14.96	244.7	15.33	254.4	15.71	261.2	15.99
		82.4	185.3	9.34	200.7	11.17	218.6	13.01	237.6	14.68	244.7	15.02	254.4	15.43	261.2	15.58
		98.9	185.3	9.20	200.7	11.07	218.6	12.87	237.6	14.54	244.7	14.87	254.4	15.29	261.2	15.38
	95	26.4	180.3	11.53	195.2	13.38	212.5	15.59	231.0	17.54	237.8	17.95	247.2	18.39	254.1	18.74
		35.6	180.3	11.30	195.2	13.16	212.5	15.33	231.0	17.26	237.8	17.66	247.2	18.10	254.1	18.44
		65.9	180.3	10.37	195.2	12.29	212.5	14.34	231.0	16.14	237.8	16.51	247.2	16.95	254.1	17.26
		82.4	180.3	10.09	195.2	12.04	212.5	14.03	231.0	15.83	237.8	16.23	247.2	16.64	254.1	16.79
		98.9	180.3	9.95	195.2	11.92	212.5	13.87	231.0	15.67	237.8	16.09	247.2	16.48	254.1	16.56
	104	26.4	175.1	13.24	189.7	15.37	206.5	17.88	224.4	20.16	231.2	20.63	240.1	21.13	246.9	21.51
		35.6	175.1	12.98	189.7	15.12	206.5	17.60	224.4	19.84	231.2	20.30	240.1	20.80	246.9	21.17
		65.9	175.1	11.92	189.7	14.12	206.5	16.48	224.4	18.53	231.2	19.00	240.1	19.46	246.9	19.84
		82.4	175.1	11.58	189.7	13.84	206.5	16.14	224.4	18.19	231.2	18.62	240.1	19.12	246.9	19.31
		98.9	175.1	11.41	189.7	13.70	206.5	15.97	224.4	18.02	231.2	18.44	240.1	18.95	246.9	19.04
	113	26.4	169.9	14.95	184.2	17.36	200.4	20.18	217.8	22.79	224.6	23.31	232.9	23.88	239.8	24.28
		35.6	169.9	14.65	184.2	17.07	200.4	19.87	217.8	22.41	224.6	22.94	232.9	23.50	239.8	23.90
		65.9	169.9	13.47	184.2	15.96	200.4	18.62	217.8	20.92	224.6	21.48	232.9	21.98	239.8	22.41
		82.4	169.9	13.07	184.2	15.64	200.4	18.25	217.8	20.55	224.6	21.02	232.9	21.60	239.8	21.82
		98.9	169.9	12.87	184.2	15.49	200.4	18.06	217.8	20.36	224.6	20.78	232.9	21.42	239.8	21.52

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
80	50	26.4	164.6	3.61	178.4	4.11	194.4	4.78	211.1	5.48	217.5	5.55	226.0	5.71	232.3	5.76
		35.6	164.6	3.53	178.4	4.06	194.4	4.71	211.1	5.38	217.5	5.46	226.0	5.61	232.3	5.67
		65.9	164.6	3.19	178.4	3.86	194.4	4.45	211.1	4.99	217.5	5.14	226.0	5.22	232.3	5.31
		82.4	164.6	3.17	178.4	3.73	194.4	4.36	211.1	4.90	217.5	4.98	226.0	5.13	232.3	5.20
		98.9	164.6	3.16	178.4	3.67	194.4	4.32	211.1	4.85	217.5	4.90	226.0	5.09	232.3	5.14
	59	26.4	164.6	4.85	178.4	5.61	194.4	6.53	211.1	7.39	217.5	7.54	226.0	7.73	232.3	7.85
		35.6	164.6	4.75	178.4	5.53	194.4	6.43	211.1	7.26	217.5	7.42	226.0	7.61	232.3	7.73
		65.9	164.6	4.35	178.4	5.18	194.4	6.02	211.1	6.77	217.5	6.95	226.0	7.11	232.3	7.23
		82.4	164.6	4.25	178.4	5.06	194.4	5.90	211.1	6.64	217.5	6.80	226.0	6.98	232.3	7.05
		98.9	164.6	4.21	178.4	5.00	194.4	5.84	211.1	6.58	217.5	6.72	226.0	6.92	232.3	6.95
	67	26.4	164.6	5.95	178.4	6.95	194.4	8.08	211.1	9.09	217.5	9.31	226.0	9.52	232.3	9.72
		35.6	164.6	5.84	178.4	6.83	194.4	7.95	211.1	8.94	217.5	9.16	226.0	9.37	232.3	9.56
		65.9	164.6	5.37	178.4	6.36	194.4	7.42	211.1	8.35	217.5	8.57	226.0	8.78	232.3	8.94
		82.4	164.6	5.21	178.4	6.24	194.4	7.26	211.1	8.19	217.5	8.41	226.0	8.63	232.3	8.69
		98.9	164.6	5.14	178.4	6.18	194.4	7.19	211.1	8.12	217.5	8.33	226.0	8.55	232.3	8.57
	75	26.4	164.6	7.29	178.4	8.46	194.4	9.84	211.1	11.07	217.5	11.36	226.0	11.64	232.3	11.83
		35.6	164.6	7.14	178.4	8.32	194.4	9.68	211.1	10.90	217.5	11.17	226.0	11.45	232.3	11.64
		65.9	164.6	6.55	178.4	7.76	194.4	9.06	211.1	10.21	217.5	10.43	226.0	10.71	232.3	10.90
		82.4	164.6	6.36	178.4	7.61	194.4	8.88	211.1	10.00	217.5	10.24	226.0	10.52	232.3	10.62
		98.9	164.6	6.27	178.4	7.53	194.4	8.78	211.1	9.89	217.5	10.15	226.0	10.43	232.3	10.48
	86	26.4	164.6	8.93	178.4	10.38	194.4	12.12	211.1	13.63	217.5	13.94	226.0	14.29	232.3	14.58
		35.6	164.6	8.75	178.4	10.21	194.4	11.92	211.1	13.41	217.5	13.72	226.0	14.06	232.3	14.34
		65.9	164.6	8.07	178.4	9.56	194.4	11.14	211.1	12.54	217.5	12.85	226.0	13.16	232.3	13.41
		82.4	164.6	7.85	178.4	9.34	194.4	10.90	211.1	12.29	217.5	12.60	226.0	12.91	232.3	13.07
		98.9	164.6	7.74	178.4	9.23	194.4	10.77	211.1	12.17	217.5	12.48	226.0	12.79	232.3	12.90
	95	26.4	164.6	9.94	178.4	11.55	194.4	13.44	211.1	15.14	217.5	15.52	226.0	15.90	232.3	16.18
		35.6	164.6	9.75	178.4	11.36	194.4	13.22	211.1	14.90	217.5	15.27	226.0	15.64	232.3	15.92
		65.9	164.6	8.97	178.4	10.62	194.4	12.39	211.1	13.94	217.5	14.28	226.0	14.62	232.3	14.90
		82.4	164.6	8.72	178.4	10.40	194.4	12.14	211.1	13.66	217.5	14.00	226.0	14.37	232.3	14.50
		98.9	164.6	8.60	178.4	10.29	194.4	12.01	211.1	13.52	217.5	13.86	226.0	14.25	232.3	14.29
	104	26.4	164.6	11.78	178.4	13.70	194.4	15.93	211.1	17.95	217.5	18.36	226.0	18.84	232.3	19.15
		35.6	164.6	11.55	178.4	13.47	194.4	15.68	211.1	17.66	217.5	18.07	226.0	18.53	232.3	18.84
		65.9	164.6	10.62	178.4	12.57	194.4	14.65	211.1	16.51	217.5	16.89	226.0	17.32	232.3	17.63
		82.4	164.6	10.31	178.4	12.32	194.4	14.34	211.1	16.17	217.5	16.58	226.0	17.01	232.3	17.17
		98.9	164.6	10.15	178.4	12.20	194.4	14.18	211.1	16.00	217.5	16.42	226.0	16.85	232.3	16.93
	113	26.4	164.6	13.62	178.4	15.85	194.4	18.43	211.1	20.76	217.5	21.20	226.0	21.77	232.3	22.11
		35.6	164.6	13.35	178.4	15.58	194.4	18.13	211.1	20.43	217.5	20.86	226.0	21.42	232.3	21.76
		65.9	164.6	12.26	178.4	14.53	194.4	16.92	211.1	19.09	217.5	19.49	226.0	20.02	232.3	20.36
		82.4	164.6	11.89	178.4	14.25	194.4	16.55	211.1	18.69	217.5	19.15	226.0	19.65	232.3	19.84
		98.9	164.6	11.70	178.4	14.11	194.4	16.36	211.1	18.48	217.5	18.98	226.0	19.46	232.3	19.57

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM264BAS5

264,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
70	50	26.4	144.3	2.95	156.1	3.43	170.1	3.97	184.7	4.47	190.2	4.65	197.7	4.77	203.2	4.78
		35.6	144.3	2.89	156.1	3.37	170.1	3.91	184.7	4.42	190.2	4.57	197.7	4.69	203.2	4.71
		65.9	144.3	2.69	156.1	3.13	170.1	3.67	184.7	4.18	190.2	4.27	197.7	4.39	203.2	4.45
		82.4	144.3	2.63	156.1	3.07	170.1	3.61	184.7	4.06	190.2	4.15	197.7	4.27	203.2	4.33
		98.9	144.3	2.60	156.1	3.04	170.1	3.58	184.7	4.00	190.2	4.09	197.7	4.21	203.2	4.27
	59	26.4	144.3	4.02	156.1	4.67	170.1	5.43	184.7	6.12	190.2	6.28	197.7	6.43	203.2	6.53
		35.6	144.3	3.94	156.1	4.59	170.1	5.34	184.7	6.02	190.2	6.18	197.7	6.33	203.2	6.43
		65.9	144.3	3.63	156.1	4.28	170.1	5.00	184.7	5.65	190.2	5.77	197.7	5.93	203.2	6.02
		82.4	144.3	3.54	156.1	4.19	170.1	4.90	184.7	5.53	190.2	5.65	197.7	5.80	203.2	5.87
		98.9	144.3	3.49	156.1	4.14	170.1	4.86	184.7	5.46	190.2	5.59	197.7	5.74	203.2	5.79
	67	26.4	144.3	4.98	156.1	5.77	170.1	6.72	184.7	7.58	190.2	7.73	197.7	7.92	203.2	8.08
		35.6	144.3	4.87	156.1	5.68	170.1	6.61	184.7	7.45	190.2	7.61	197.7	7.79	203.2	7.95
		65.9	144.3	4.47	156.1	5.31	170.1	6.18	184.7	6.95	190.2	7.11	197.7	7.29	203.2	7.42
		82.4	144.3	4.35	156.1	5.18	170.1	6.05	184.7	6.83	190.2	6.98	197.7	7.17	203.2	7.23
		98.9	144.3	4.28	156.1	5.12	170.1	5.99	184.7	6.77	190.2	6.92	197.7	7.11	203.2	7.14
	75	26.4	144.3	6.05	156.1	7.04	170.1	8.17	184.7	9.21	190.2	9.43	197.7	9.65	203.2	9.84
		35.6	144.3	5.93	156.1	6.92	170.1	8.04	184.7	9.06	190.2	9.28	197.7	9.50	203.2	9.68
		65.9	144.3	5.46	156.1	6.46	170.1	7.54	184.7	8.47	190.2	8.69	197.7	8.91	203.2	9.06
		82.4	144.3	5.31	156.1	6.33	170.1	7.39	184.7	8.32	190.2	8.51	197.7	8.72	203.2	8.82
		98.9	144.3	5.23	156.1	6.27	170.1	7.31	184.7	8.24	190.2	8.41	197.7	8.63	203.2	8.69
	86	26.4	144.3	7.44	156.1	8.65	170.1	10.07	184.7	11.32	190.2	11.61	197.7	11.89	203.2	12.12
		35.6	144.3	7.29	156.1	8.51	170.1	9.90	184.7	11.14	190.2	11.42	197.7	11.70	203.2	11.92
		65.9	144.3	6.70	156.1	7.95	170.1	9.25	184.7	10.43	190.2	10.68	197.7	10.96	203.2	11.14
		82.4	144.3	6.52	156.1	7.79	170.1	9.06	184.7	10.21	190.2	10.49	197.7	10.74	203.2	10.86
		98.9	144.3	6.42	156.1	7.71	170.1	8.97	184.7	10.10	190.2	10.40	197.7	10.63	203.2	10.72
	95	26.4	144.3	8.27	156.1	9.59	170.1	11.21	184.7	12.59	190.2	12.91	197.7	13.22	203.2	13.44
		35.6	144.3	8.10	156.1	9.44	170.1	11.02	184.7	12.39	190.2	12.70	197.7	13.01	203.2	13.22
		65.9	144.3	7.45	156.1	8.85	170.1	10.27	184.7	11.58	190.2	11.86	197.7	12.17	203.2	12.39
		82.4	144.3	7.23	156.1	8.63	170.1	10.09	184.7	11.36	190.2	11.64	197.7	11.95	203.2	12.08
		98.9	144.3	7.12	156.1	8.52	170.1	9.99	184.7	11.25	190.2	11.53	197.7	11.84	203.2	11.92
	104	26.4	144.3	9.79	156.1	11.36	170.1	13.25	184.7	14.93	190.2	15.27	197.7	15.65	203.2	15.93
		35.6	144.3	9.59	156.1	11.17	170.1	13.04	184.7	14.68	190.2	15.02	197.7	15.40	203.2	15.68
		65.9	144.3	8.82	156.1	10.46	170.1	12.20	184.7	13.72	190.2	14.06	197.7	14.40	203.2	14.68
		82.4	144.3	8.57	156.1	10.24	170.1	11.92	184.7	13.44	190.2	13.78	197.7	14.15	203.2	14.28
		98.9	144.3	8.44	156.1	10.13	170.1	11.78	184.7	13.30	190.2	13.64	197.7	14.03	203.2	14.08
	113	26.4	144.3	11.31	156.1	13.12	170.1	15.29	184.7	17.26	190.2	17.63	197.7	18.08	203.2	18.42
		35.6	144.3	11.08	156.1	12.91	170.1	15.06	184.7	16.98	190.2	17.35	197.7	17.79	203.2	18.13
		65.9	144.3	10.18	156.1	12.08	170.1	14.12	184.7	15.86	190.2	16.27	197.7	16.64	203.2	16.98
		82.4	144.3	9.90	156.1	11.86	170.1	13.75	184.7	15.52	190.2	15.92	197.7	16.36	203.2	16.48
		98.9	144.3	9.76	156.1	11.75	170.1	13.56	184.7	15.35	190.2	15.75	197.7	16.22	203.2	16.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
60	50	26.4	123.6	2.34	133.8	2.73	145.6	3.14	158.3	3.62	163.2	3.71	169.6	3.75	174.3	3.81
		35.6	123.6	2.30	133.8	2.69	145.6	3.10	158.3	3.55	163.2	3.64	169.6	3.70	174.3	3.76
		65.9	123.6	2.12	133.8	2.51	145.6	2.96	158.3	3.31	163.2	3.37	169.6	3.50	174.3	3.55
		82.4	123.6	2.03	133.8	2.48	145.6	2.90	158.3	3.26	163.2	3.31	169.6	3.40	174.3	3.46
	59	98.9	123.6	1.98	133.8	2.47	145.6	2.87	158.3	3.23	163.2	3.28	169.6	3.36	174.3	3.42
		26.4	123.6	3.20	133.8	3.73	145.6	4.32	158.3	4.89	163.2	5.02	169.6	5.11	174.3	5.20
		35.6	123.6	3.14	133.8	3.66	145.6	4.25	158.3	4.81	163.2	4.94	169.6	5.03	174.3	5.12
		65.9	123.6	2.89	133.8	3.41	145.6	4.00	158.3	4.50	163.2	4.59	169.6	4.72	174.3	4.81
	67	82.4	123.6	2.79	133.8	3.35	145.6	3.91	158.3	4.41	163.2	4.50	169.6	4.63	174.3	4.69
		98.9	123.6	2.75	133.8	3.32	145.6	3.86	158.3	4.36	163.2	4.45	169.6	4.58	174.3	4.62
		26.4	123.6	3.96	133.8	4.61	145.6	5.36	158.3	6.02	163.2	6.19	169.6	6.31	174.3	6.43
		35.6	123.6	3.88	133.8	4.53	145.6	5.28	158.3	5.93	163.2	6.08	169.6	6.21	174.3	6.33
	75	65.9	123.6	3.57	133.8	4.22	145.6	4.94	158.3	5.56	163.2	5.68	169.6	5.80	174.3	5.93
		82.4	123.6	3.48	133.8	4.13	145.6	4.81	158.3	5.43	163.2	5.56	169.6	5.71	174.3	5.77
		98.9	123.6	3.43	133.8	4.08	145.6	4.75	158.3	5.37	163.2	5.49	169.6	5.66	174.3	5.70
		26.4	123.6	4.81	133.8	5.62	145.6	6.54	158.3	7.35	163.2	7.51	169.6	7.69	174.3	7.85
	86	35.6	123.6	4.72	133.8	5.53	145.6	6.43	158.3	7.23	163.2	7.39	169.6	7.57	174.3	7.73
		65.9	123.6	4.35	133.8	5.15	145.6	5.99	158.3	6.77	163.2	6.92	169.6	7.11	174.3	7.23
		82.4	123.6	4.22	133.8	5.03	145.6	5.87	158.3	6.61	163.2	6.80	169.6	6.95	174.3	7.05
		98.9	123.6	4.16	133.8	4.97	145.6	5.80	158.3	6.53	163.2	6.74	169.6	6.88	174.3	6.95
	95	26.4	123.6	5.92	133.8	6.88	145.6	8.01	158.3	9.02	163.2	9.24	169.6	9.46	174.3	9.66
		35.6	123.6	5.80	133.8	6.77	145.6	7.88	158.3	8.88	163.2	9.10	169.6	9.31	174.3	9.50
		65.9	123.6	5.34	133.8	6.33	145.6	7.39	158.3	8.32	163.2	8.51	169.6	8.72	174.3	8.88
		82.4	123.6	5.18	133.8	6.21	145.6	7.23	158.3	8.16	163.2	8.35	169.6	8.57	174.3	8.66
	104	98.9	123.6	5.11	133.8	6.15	145.6	7.15	158.3	8.09	163.2	8.27	169.6	8.49	174.3	8.55
		26.4	123.6	6.59	133.8	7.67	145.6	8.93	158.3	10.03	163.2	10.28	169.6	10.54	174.3	10.73
		35.6	123.6	6.46	133.8	7.54	145.6	8.78	158.3	9.87	163.2	10.12	169.6	10.37	174.3	10.55
		65.9	123.6	5.93	133.8	7.05	145.6	8.19	158.3	9.25	163.2	9.47	169.6	9.68	174.3	9.87
	113	82.4	123.6	5.77	133.8	6.89	145.6	8.04	158.3	9.06	163.2	9.28	169.6	9.53	174.3	9.62
		98.9	123.6	5.70	133.8	6.81	145.6	7.96	158.3	8.97	163.2	9.19	169.6	9.45	174.3	9.50
		26.4	123.6	7.79	133.8	9.05	145.6	10.57	158.3	11.90	163.2	12.18	169.6	12.46	174.3	12.71
		35.6	123.6	7.64	133.8	8.91	145.6	10.40	158.3	11.70	163.2	11.98	169.6	12.26	174.3	12.51
	113	65.9	123.6	7.05	133.8	8.35	145.6	9.72	158.3	10.93	163.2	11.21	169.6	11.49	174.3	11.70
		82.4	123.6	6.83	133.8	8.16	145.6	9.53	158.3	10.71	163.2	10.99	169.6	11.27	174.3	11.39
		98.9	123.6	6.72	133.8	8.07	145.6	9.44	158.3	10.60	163.2	10.88	169.6	11.16	174.3	11.24
		26.4	123.6	8.98	133.8	10.43	145.6	12.21	158.3	13.77	163.2	14.07	169.6	14.37	174.3	14.70
	113	35.6	123.6	8.82	133.8	10.27	145.6	12.01	158.3	13.53	163.2	13.84	169.6	14.15	174.3	14.47
		65.9	123.6	8.16	133.8	9.65	145.6	11.24	158.3	12.60	163.2	12.94	169.6	13.29	174.3	13.53
		82.4	123.6	7.88	133.8	9.44	145.6	11.02	158.3	12.35	163.2	12.70	169.6	13.01	174.3	13.16
		98.9	123.6	7.74	133.8	9.33	145.6	10.91	158.3	12.23	163.2	12.57	169.6	12.87	174.3	12.97

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM264BAS5

264,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
50	50	26.4	103.0	1.74	111.5	2.03	121.4	2.44	132.1	2.66	136.0	2.71	141.2	2.83	145.1	2.85
		35.6	103.0	1.70	111.5	2.00	121.4	2.39	132.1	2.63	136.0	2.69	141.2	2.78	145.1	2.81
		65.9	103.0	1.55	111.5	1.88	121.4	2.21	132.1	2.48	136.0	2.57	141.2	2.56	145.1	2.63
		82.4	103.0	1.52	111.5	1.89	121.4	2.15	132.1	2.42	136.0	2.44	141.2	2.54	145.1	2.53
		98.9	103.0	1.51	111.5	1.89	121.4	2.12	132.1	2.39	136.0	2.38	141.2	2.52	145.1	2.49
	59	26.4	103.0	2.38	111.5	2.78	121.4	3.25	132.1	3.62	136.0	3.72	141.2	3.82	145.1	3.88
		35.6	103.0	2.33	111.5	2.73	121.4	3.20	132.1	3.57	136.0	3.66	141.2	3.76	145.1	3.82
		65.9	103.0	2.14	111.5	2.55	121.4	2.98	132.1	3.35	136.0	3.45	141.2	3.51	145.1	3.57
		82.4	103.0	2.08	111.5	2.51	121.4	2.92	132.1	3.29	136.0	3.35	141.2	3.45	145.1	3.48
		98.9	103.0	2.05	111.5	2.50	121.4	2.89	132.1	3.26	136.0	3.31	141.2	3.41	145.1	3.43
	67	26.4	103.0	2.94	111.5	3.45	121.4	3.97	132.1	4.48	136.0	4.61	141.2	4.70	145.1	4.80
		35.6	103.0	2.89	111.5	3.38	121.4	3.91	132.1	4.41	136.0	4.53	141.2	4.63	145.1	4.72
		65.9	103.0	2.67	111.5	3.14	121.4	3.66	132.1	4.13	136.0	4.22	141.2	4.35	145.1	4.41
		82.4	103.0	2.58	111.5	3.07	121.4	3.60	132.1	4.07	136.0	4.16	141.2	4.25	145.1	4.31
		98.9	103.0	2.53	111.5	3.04	121.4	3.57	132.1	4.04	136.0	4.13	141.2	4.21	145.1	4.27
	75	26.4	103.0	3.58	111.5	4.16	121.4	4.86	132.1	5.50	136.0	5.62	141.2	5.74	145.1	5.83
		35.6	103.0	3.51	111.5	4.10	121.4	4.78	132.1	5.40	136.0	5.53	141.2	5.65	145.1	5.74
		65.9	103.0	3.23	111.5	3.85	121.4	4.47	132.1	5.03	136.0	5.15	141.2	5.28	145.1	5.40
		82.4	103.0	3.14	111.5	3.76	121.4	4.38	132.1	4.94	136.0	5.06	141.2	5.18	145.1	5.25
		98.9	103.0	3.09	111.5	3.71	121.4	4.33	132.1	4.89	136.0	5.01	141.2	5.14	145.1	5.17
	86	26.4	103.0	4.44	111.5	5.15	121.4	6.00	132.1	6.75	136.0	6.92	141.2	7.06	145.1	7.20
		35.6	103.0	4.35	111.5	5.06	121.4	5.90	132.1	6.64	136.0	6.80	141.2	6.95	145.1	7.08
		65.9	103.0	3.97	111.5	4.72	121.4	5.49	132.1	6.21	136.0	6.33	141.2	6.52	145.1	6.61
		82.4	103.0	3.88	111.5	4.63	121.4	5.40	132.1	6.08	136.0	6.24	141.2	6.39	145.1	6.46
		98.9	103.0	3.83	111.5	4.58	121.4	5.35	132.1	6.02	136.0	6.19	141.2	6.33	145.1	6.38
	95	26.4	103.0	4.91	111.5	5.71	121.4	6.66	132.1	7.47	136.0	7.67	141.2	7.85	145.1	7.98
		35.6	103.0	4.81	111.5	5.62	121.4	6.55	132.1	7.36	136.0	7.54	141.2	7.73	145.1	7.85
		65.9	103.0	4.44	111.5	5.25	121.4	6.12	132.1	6.89	136.0	7.05	141.2	7.23	145.1	7.36
		82.4	103.0	4.31	111.5	5.15	121.4	5.99	132.1	6.77	136.0	6.92	141.2	7.11	145.1	7.17
		98.9	103.0	4.25	111.5	5.11	121.4	5.93	132.1	6.70	136.0	6.86	141.2	7.05	145.1	7.08
	104	26.4	103.0	5.83	111.5	6.75	121.4	7.89	132.1	8.86	136.0	9.09	141.2	9.31	145.1	9.46
		35.6	103.0	5.71	111.5	6.64	121.4	7.76	132.1	8.72	136.0	8.94	141.2	9.16	145.1	9.31
		65.9	103.0	5.25	111.5	6.21	121.4	7.23	132.1	8.16	136.0	8.35	141.2	8.57	145.1	8.72
		82.4	103.0	5.09	111.5	6.08	121.4	7.11	132.1	8.01	136.0	8.19	141.2	8.41	145.1	8.47
		98.9	103.0	5.01	111.5	6.02	121.4	7.05	132.1	7.93	136.0	8.12	141.2	8.33	145.1	8.35
	113	26.4	103.0	6.75	111.5	7.79	121.4	9.13	132.1	10.25	136.0	10.51	141.2	10.76	145.1	10.94
		35.6	103.0	6.61	111.5	7.67	121.4	8.97	132.1	10.09	136.0	10.34	141.2	10.59	145.1	10.77
		65.9	103.0	6.05	111.5	7.17	121.4	8.35	132.1	9.44	136.0	9.65	141.2	9.90	145.1	10.09
		82.4	103.0	5.87	111.5	7.02	121.4	8.23	132.1	9.25	136.0	9.47	141.2	9.72	145.1	9.78
		98.9	103.0	5.77	111.5	6.94	121.4	8.16	132.1	9.16	136.0	9.37	141.2	9.62	145.1	9.62

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	50	28.4	267.5	6.34	289.7	7.44	315.3	8.66	342.6	9.71	353.1	9.93	367.0	10.26	377.2	10.40
		35.5	267.5	6.23	289.7	7.31	315.3	8.52	342.6	9.56	353.1	9.79	367.0	10.09	377.2	10.25
		71.0	267.5	5.78	289.7	6.78	315.3	7.92	342.6	8.94	353.1	9.20	367.0	9.39	377.2	9.63
		88.8	267.5	5.61	289.7	6.69	315.3	7.80	342.6	8.74	353.1	9.01	367.0	9.23	377.2	9.36
		106.5	267.5	5.53	289.7	6.64	315.3	7.73	342.6	8.64	353.1	8.91	367.0	9.15	377.2	9.23
	59	28.4	263.1	8.37	285.0	9.75	310.2	11.36	337.2	12.76	347.4	13.07	360.9	13.41	371.1	13.64
		35.5	263.1	8.20	285.0	9.59	310.2	11.17	337.2	12.56	347.4	12.86	360.9	13.20	371.1	13.44
		71.0	263.1	7.56	285.0	8.95	310.2	10.43	337.2	11.75	347.4	12.05	360.9	12.36	371.1	12.63
		88.8	263.1	7.36	285.0	8.78	310.2	10.23	337.2	11.51	347.4	11.82	360.9	12.12	371.1	12.32
		106.5	263.1	7.26	285.0	8.69	310.2	10.13	337.2	11.39	347.4	11.70	360.9	12.00	371.1	12.17
	67	28.4	259.2	10.16	280.8	11.80	305.7	13.76	332.4	15.47	342.3	15.85	355.5	16.22	365.7	16.52
		35.5	259.2	9.96	280.8	11.61	305.7	13.54	332.4	15.23	342.3	15.60	355.5	15.97	365.7	16.27
		71.0	259.2	9.15	280.8	10.87	305.7	12.66	332.4	14.25	342.3	14.58	355.5	14.99	365.7	15.29
		88.8	259.2	8.91	280.8	10.63	305.7	12.39	332.4	13.98	342.3	14.31	355.5	14.68	365.7	14.96
		106.5	259.2	8.79	280.8	10.51	305.7	12.25	332.4	13.84	342.3	14.18	355.5	14.53	365.7	14.78
	75	28.4	259.2	12.54	280.8	14.54	305.7	16.95	332.4	19.12	342.3	19.56	355.5	20.02	365.7	20.36
		35.5	259.2	12.29	280.8	14.31	305.7	16.68	332.4	18.80	342.3	19.24	355.5	19.72	365.7	20.05
		71.0	259.2	11.31	280.8	13.40	305.7	15.60	332.4	17.55	342.3	17.99	355.5	18.50	365.7	18.84
		88.8	259.2	10.97	280.8	13.10	305.7	15.29	332.4	17.22	342.3	17.66	355.5	18.13	365.7	18.43
		106.5	259.2	10.80	280.8	12.95	305.7	15.14	332.4	17.05	342.3	17.49	355.5	17.94	365.7	18.23
	86	28.4	259.2	15.06	280.8	17.46	305.7	20.34	332.4	22.93	342.3	23.47	355.5	24.04	365.7	24.44
		35.5	259.2	14.75	280.8	17.18	305.7	20.02	332.4	22.55	342.3	23.09	355.5	23.66	365.7	24.07
		71.0	259.2	13.54	280.8	16.07	305.7	18.74	332.4	21.07	342.3	21.61	355.5	22.18	365.7	22.62
		88.8	259.2	13.17	280.8	15.73	305.7	18.33	332.4	20.66	342.3	21.20	355.5	21.74	365.7	22.11
		106.5	259.2	12.98	280.8	15.56	305.7	18.13	332.4	20.46	342.3	21.00	355.5	21.52	365.7	21.86
	95	28.4	233.4	15.19	252.6	17.68	275.1	20.59	299.1	23.15	308.1	23.74	320.1	24.32	329.1	24.71
		35.5	233.4	14.89	252.6	17.39	275.1	20.26	299.1	22.79	308.1	23.36	320.1	23.93	329.1	24.34
		71.0	233.4	13.71	252.6	16.24	275.1	18.94	299.1	21.34	308.1	21.84	320.1	22.42	329.1	22.89
		88.8	233.4	13.33	252.6	15.90	275.1	18.53	299.1	20.90	308.1	21.44	320.1	21.98	329.1	22.35
		106.5	233.4	13.15	252.6	15.73	275.1	18.33	299.1	20.68	308.1	21.23	320.1	21.76	329.1	22.08
	104	28.4	207.3	16.06	224.7	18.63	244.5	21.72	265.8	24.43	273.9	25.00	284.4	25.61	292.5	26.08
		35.5	207.3	15.73	224.7	18.33	244.5	21.37	265.8	24.04	273.9	24.61	284.4	25.22	292.5	25.69
		71.0	207.3	14.45	224.7	17.15	244.5	19.99	265.8	22.48	273.9	23.06	284.4	23.66	292.5	24.14
		88.8	207.3	14.04	224.7	16.78	244.5	19.55	265.8	22.04	273.9	22.62	284.4	23.19	292.5	23.60
		106.5	207.3	13.84	224.7	16.59	244.5	19.33	265.8	21.82	273.9	22.40	284.4	22.95	292.5	23.33
	113	28.4	181.2	16.93	196.8	19.58	213.9	22.85	232.5	25.70	239.7	26.26	248.7	26.90	255.9	27.46
		35.5	181.2	16.58	196.8	19.28	213.9	22.48	232.5	25.29	239.7	25.86	248.7	26.50	255.9	27.04
		71.0	181.2	15.19	196.8	18.06	213.9	21.03	232.5	23.63	239.7	24.27	248.7	24.91	255.9	25.39
		88.8	181.2	14.75	196.8	17.66	213.9	20.56	232.5	23.19	239.7	23.80	248.7	24.41	255.9	24.85
		106.5	181.2	14.53	196.8	17.45	213.9	20.32	232.5	22.97	239.7	23.56	248.7	24.15	255.9	24.57
120	50	28.4	253.2	6.05	273.9	7.06	298.6	8.17	324.4	9.20	334.0	9.49	347.3	9.72	356.9	9.82
		35.5	253.2	5.93	273.9	6.94	298.6	8.05	324.4	9.06	334.0	9.32	347.3	9.55	356.9	9.68
		71.0	253.2	5.44	273.9	6.49	298.6	7.56	324.4	8.47	334.0	8.66	347.3	8.89	356.9	9.09
		88.8	253.2	5.27	273.9	6.28	298.6	7.40	324.4	8.27	334.0	8.54	347.3	8.73	356.9	8.90
		106.5	253.2	5.19	273.9	6.18	298.6	7.31	324.4	8.17	334.0	8.47	347.3	8.65	356.9	8.80
	59	28.4	250.2	8.03	270.9	9.34	295.2	10.84	320.7	12.21	330.3	12.53	343.2	12.83	352.8	13.02
		35.5	250.2	7.87	270.9	9.18	295.2	10.67	320.7	12.02	330.3	12.32	343.2	12.63	352.8	12.83
		71.0	250.2	7.22	270.9	8.57	295.2	9.99	320.7	11.24	330.3	11.51	343.2	11.82	352.8	12.05
		88.8	250.2	7.02	270.9	8.37	295.2	9.79	320.7	11.01	330.3	11.31	343.2	11.58	352.8	11.78
		106.5	250.2	6.92	270.9	8.27	295.2	9.69	320.7	10.89	330.3	11.21	343.2	11.46	352.8	11.65
	67	28.4	247.5	9.78	268.2	11.36	292.2	13.21	317.4	14.89	327.0	15.23	339.6	15.60	349.2	15.87
		35.5	247.5	9.59	268.2	11.17	292.2	13.00	317.4	14.65	327.0	14.99	339.6	15.36	349.2	15.63
		71.0	247.5	8.81	268.2	10.43	292.2	12.15	317.4	13.71	327.0	14.04	339.6	14.41	349.2	14.68
		88.8	247.5	8.57	268.2	10.23	292.2	11.92	317.4	13.44	327.0	13.77	339.6	14.11	349.2	14.35
		106.5	247.5	8.46	268.2	10.13	292.2	11.80	317.4	13.30	327.0	13.64	339.6	13.96	349.2	14.18

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM288BAS5

288,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	28.4	247.5	12.02	268.2	13.97	292.2	16.27	317.4	18.28	327.0	18.73	339.6	19.21	349.2	19.54
		35.5	247.5	11.78	268.2	13.74	292.2	16.00	317.4	17.99	327.0	18.43	339.6	18.90	349.2	19.24
		71.0	247.5	10.84	268.2	12.83	292.2	14.96	317.4	16.85	327.0	17.25	339.6	17.69	349.2	18.06
		88.8	247.5	10.53	268.2	12.56	292.2	14.65	317.4	16.51	327.0	16.91	339.6	17.35	349.2	17.62
		106.5	247.5	10.38	268.2	12.42	292.2	14.50	317.4	16.34	327.0	16.74	339.6	17.18	349.2	17.40
	86	28.4	247.5	14.49	268.2	16.88	292.2	19.67	317.4	22.13	327.0	22.64	339.6	23.22	349.2	23.63
		35.5	247.5	14.21	268.2	16.61	292.2	19.34	317.4	21.77	327.0	22.28	339.6	22.85	349.2	23.26
		71.0	247.5	13.10	268.2	15.53	292.2	18.06	317.4	20.36	327.0	20.86	339.6	21.40	349.2	21.81
		88.8	247.5	12.73	268.2	15.19	292.2	17.69	317.4	19.95	327.0	20.46	339.6	21.00	349.2	21.30
		106.5	247.5	12.54	268.2	15.02	292.2	17.50	317.4	19.75	327.0	20.25	339.6	20.79	349.2	21.05
	95	28.4	226.5	14.88	245.4	17.30	267.3	20.14	290.4	22.68	299.1	23.23	310.8	23.76	319.5	24.21
		35.5	226.5	14.58	245.4	17.01	267.3	19.82	290.4	22.31	299.1	22.85	310.8	23.39	319.5	23.83
		71.0	226.5	13.40	245.4	15.90	267.3	18.53	290.4	20.86	299.1	21.37	310.8	21.94	319.5	22.35
		88.8	226.5	13.03	245.4	15.56	267.3	18.16	290.4	20.46	299.1	20.96	310.8	21.50	319.5	21.84
		106.5	226.5	12.84	245.4	15.39	267.3	17.97	290.4	20.25	299.1	20.76	310.8	21.28	319.5	21.59
	104	28.4	205.5	16.01	222.6	18.60	242.4	21.69	263.7	24.39	271.5	24.98	282.0	25.58	289.8	26.06
		35.5	205.5	15.70	222.6	18.30	242.4	21.34	263.7	24.00	271.5	24.58	282.0	25.18	289.8	25.66
		71.0	205.5	14.45	222.6	17.12	242.4	19.95	263.7	22.45	271.5	22.99	282.0	23.60	289.8	24.07
		88.8	205.5	14.04	222.6	16.74	242.4	19.55	263.7	22.01	271.5	22.58	282.0	23.16	289.8	23.50
		106.5	205.5	13.84	222.6	16.56	242.4	19.34	263.7	21.79	271.5	22.38	282.0	22.94	289.8	23.21
	113	28.4	184.5	17.14	199.8	19.90	217.5	23.23	237.0	26.11	243.9	26.72	253.2	27.41	260.1	27.91
		35.5	184.5	16.81	199.8	19.58	217.5	22.85	237.0	25.69	243.9	26.30	253.2	26.97	260.1	27.48
		71.0	184.5	15.50	199.8	18.33	217.5	21.37	237.0	24.04	243.9	24.61	253.2	25.25	260.1	25.79
		88.8	184.5	15.06	199.8	17.93	217.5	20.93	237.0	23.56	243.9	24.20	253.2	24.81	260.1	25.15
		106.5	184.5	14.84	199.8	17.72	217.5	20.71	237.0	23.33	243.9	24.00	253.2	24.59	260.1	24.83
110	50	28.4	238.7	5.71	258.8	6.61	281.6	7.74	305.9	8.69	314.9	8.88	327.5	9.16	336.2	9.29
		35.5	238.7	5.60	258.8	6.50	281.6	7.61	305.9	8.55	314.9	8.75	327.5	9.01	336.2	9.14
		71.0	238.7	5.14	258.8	6.08	281.6	7.09	305.9	8.00	314.9	8.23	327.5	8.43	336.2	8.55
		88.8	238.7	5.01	258.8	5.95	281.6	6.92	305.9	7.87	314.9	8.00	327.5	8.26	336.2	8.36
		106.5	238.7	4.94	258.8	5.88	281.6	6.84	305.9	7.81	314.9	7.88	327.5	8.18	336.2	8.26
	59	28.4	237.3	7.65	257.1	8.89	279.9	10.37	304.2	11.67	313.2	11.94	325.5	12.25	334.5	12.45
		35.5	237.3	7.49	257.1	8.74	279.9	10.20	304.2	11.48	313.2	11.75	325.5	12.05	334.5	12.25
		71.0	237.3	6.89	257.1	8.17	279.9	9.52	304.2	10.74	313.2	11.01	325.5	11.28	334.5	11.48
		88.8	237.3	6.72	257.1	8.00	279.9	9.32	304.2	10.53	313.2	10.77	325.5	11.07	334.5	11.21
		106.5	237.3	6.63	257.1	7.92	279.9	9.22	304.2	10.43	313.2	10.65	325.5	10.97	334.5	11.07
	67	28.4	236.1	9.37	255.6	10.91	278.4	12.70	302.7	14.31	311.7	14.65	323.7	14.99	333.0	15.26
		35.5	236.1	9.18	255.6	10.74	278.4	12.49	302.7	14.08	311.7	14.41	323.7	14.75	333.0	15.02
		71.0	236.1	8.44	255.6	10.03	278.4	11.68	302.7	13.17	311.7	13.47	323.7	13.81	333.0	14.08
		88.8	236.1	8.24	255.6	9.82	278.4	11.44	302.7	12.90	311.7	13.23	323.7	13.57	333.0	13.74
		106.5	236.1	8.14	255.6	9.72	278.4	11.33	302.7	12.76	311.7	13.11	323.7	13.45	333.0	13.57
	75	28.4	236.1	11.46	255.6	13.35	278.4	15.54	302.7	17.50	311.7	17.90	323.7	18.35	333.0	18.69
		35.5	236.1	11.24	255.6	13.13	278.4	15.29	302.7	17.22	311.7	17.62	323.7	18.06	333.0	18.40
		71.0	236.1	10.36	255.6	12.29	278.4	14.31	302.7	16.10	311.7	16.51	323.7	16.91	333.0	17.25
		88.8	236.1	10.06	255.6	12.02	278.4	14.01	302.7	15.80	311.7	16.17	323.7	16.61	333.0	16.81
		106.5	236.1	9.91	255.6	11.88	278.4	13.86	302.7	15.65	311.7	16.00	323.7	16.46	333.0	16.59
	86	28.4	236.1	13.98	255.6	16.27	278.4	18.94	302.7	21.35	311.7	21.85	323.7	22.36	333.0	22.77
		35.5	236.1	13.71	255.6	16.00	278.4	18.63	302.7	21.00	311.7	21.50	323.7	22.01	333.0	22.42
		71.0	236.1	12.63	255.6	14.96	278.4	17.42	302.7	19.61	311.7	20.12	323.7	20.63	333.0	21.00
		88.8	236.1	12.29	255.6	14.65	278.4	17.08	302.7	19.24	311.7	19.72	323.7	20.22	333.0	20.49
		106.5	236.1	12.12	255.6	14.50	278.4	16.91	302.7	19.06	311.7	19.51	323.7	20.02	333.0	20.24
	95	28.4	219.9	14.57	238.2	16.92	259.5	19.69	282.0	22.20	290.4	22.71	301.8	23.25	310.2	23.70
		35.5	219.9	14.28	238.2	16.64	259.5	19.38	282.0	21.84	290.4	22.35	301.8	22.89	310.2	23.33
		71.0	219.9	13.13	238.2	15.56	259.5	18.13	282.0	20.42	290.4	20.90	301.8	21.44	310.2	21.84
		88.8	219.9	12.76	238.2	15.23	259.5	17.76	282.0	20.02	290.4	20.53	301.8	21.03	310.2	21.30
		106.5	219.9	12.57	238.2	15.05	259.5	17.57	282.0	19.81	290.4	20.34	301.8	20.83	310.2	21.03

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	28.4	203.7	15.98	220.8	18.60	240.3	21.65	261.3	24.36	269.1	24.94	279.6	25.55	287.4	26.03
		35.5	203.7	15.66	220.8	18.30	240.3	21.30	261.3	23.97	269.1	24.54	279.6	25.15	287.4	25.62
		71.0	203.7	14.41	220.8	17.08	240.3	19.92	261.3	22.42	269.1	22.96	279.6	23.56	287.4	24.00
		88.8	203.7	14.01	220.8	16.71	240.3	19.51	261.3	21.98	269.1	22.55	279.6	23.12	287.4	23.39
		106.5	203.7	13.81	220.8	16.52	240.3	19.31	261.3	21.76	269.1	22.35	279.6	22.90	287.4	23.09
	113	28.4	187.5	17.39	203.4	20.29	221.1	23.61	240.6	26.52	247.8	27.17	257.4	27.85	264.6	28.36
		35.5	187.5	17.05	203.4	19.95	221.1	23.23	240.6	26.10	247.8	26.74	257.4	27.41	264.6	27.92
		71.0	187.5	15.70	203.4	18.60	221.1	21.71	240.6	24.41	247.8	25.02	257.4	25.69	264.6	26.16
		88.8	187.5	15.26	203.4	18.20	221.1	21.27	240.6	23.93	247.8	24.58	257.4	25.22	264.6	25.49
		106.5	187.5	15.04	203.4	17.99	221.1	21.05	240.6	23.70	247.8	24.36	257.4	24.98	264.6	25.15
100	50	28.4	224.4	5.40	243.0	6.28	264.6	7.21	287.7	8.22	296.4	8.33	307.8	8.62	316.5	8.78
		35.5	224.4	5.30	243.0	6.17	264.6	7.11	287.7	8.09	296.4	8.21	307.8	8.48	316.5	8.64
		71.0	224.4	4.87	243.0	5.75	264.6	6.69	287.7	7.57	296.4	7.73	307.8	7.92	316.5	8.09
		88.8	224.4	4.71	243.0	5.62	264.6	6.52	287.7	7.41	296.4	7.57	307.8	7.76	316.5	7.82
		106.5	224.4	4.63	243.0	5.55	264.6	6.44	287.7	7.32	296.4	7.48	307.8	7.68	316.5	7.69
	59	28.4	224.4	7.30	243.0	8.47	264.6	9.84	287.7	11.12	296.4	11.35	307.8	11.67	316.5	11.87
		35.5	224.4	7.16	243.0	8.34	264.6	9.69	287.7	10.94	296.4	11.17	307.8	11.48	316.5	11.68
		71.0	224.4	6.58	243.0	7.80	264.6	9.08	287.7	10.23	296.4	10.47	307.8	10.74	316.5	10.94
		88.8	224.4	6.38	243.0	7.63	264.6	8.88	287.7	10.03	296.4	10.26	307.8	10.53	316.5	10.63
		106.5	224.4	6.28	243.0	7.54	264.6	8.78	287.7	9.92	296.4	10.16	307.8	10.43	316.5	10.48
	67	28.4	224.4	8.99	243.0	10.42	264.6	12.18	287.7	13.69	296.4	14.04	307.8	14.38	316.5	14.61
		35.5	224.4	8.81	243.0	10.26	264.6	11.98	287.7	13.47	296.4	13.81	307.8	14.14	316.5	14.38
		71.0	224.4	8.10	243.0	9.62	264.6	11.21	287.7	12.59	296.4	12.90	307.8	13.23	316.5	13.47
		88.8	224.4	7.87	243.0	9.42	264.6	10.97	287.7	12.36	296.4	12.66	307.8	13.00	316.5	13.13
		106.5	224.4	7.75	243.0	9.32	264.6	10.85	287.7	12.24	296.4	12.54	307.8	12.88	316.5	12.96
	75	28.4	224.4	10.95	243.0	12.73	264.6	14.82	287.7	16.71	296.4	17.13	307.8	17.53	316.5	17.84
		35.5	224.4	10.74	243.0	12.52	264.6	14.58	287.7	16.44	296.4	16.85	307.8	17.25	316.5	17.55
		71.0	224.4	9.89	243.0	11.71	264.6	13.64	287.7	15.36	296.4	15.73	307.8	16.14	316.5	16.44
		88.8	224.4	9.62	243.0	11.48	264.6	13.37	287.7	15.06	296.4	15.43	307.8	15.83	316.5	16.00
		106.5	224.4	9.49	243.0	11.36	264.6	13.23	287.7	14.90	296.4	15.27	307.8	15.68	316.5	15.78
	86	28.4	224.4	13.46	243.0	15.68	264.6	18.26	287.7	20.55	296.4	21.04	307.8	21.54	316.5	21.96
		35.5	224.4	13.20	243.0	15.43	264.6	17.96	287.7	20.22	296.4	20.69	307.8	21.20	316.5	21.61
		71.0	224.4	12.15	243.0	14.41	264.6	16.78	287.7	18.90	296.4	19.34	307.8	19.85	316.5	20.22
		88.8	224.4	11.82	243.0	14.11	264.6	16.44	287.7	18.53	296.4	19.01	307.8	19.48	316.5	19.68
		106.5	224.4	11.65	243.0	13.96	264.6	16.27	287.7	18.35	296.4	18.84	307.8	19.29	316.5	19.41
	95	28.4	213.3	14.22	231.0	16.54	251.4	19.25	273.3	21.69	281.4	22.20	292.5	22.74	300.6	23.15
		35.5	213.3	13.94	231.0	16.27	251.4	18.94	273.3	21.34	281.4	21.84	292.5	22.38	300.6	22.79
		71.0	213.3	12.83	231.0	15.23	251.4	17.72	273.3	19.95	281.4	20.42	292.5	20.96	300.6	21.34
		88.8	213.3	12.49	231.0	14.89	251.4	17.35	273.3	19.58	281.4	20.05	292.5	20.56	300.6	20.76
		106.5	213.3	12.32	231.0	14.72	251.4	17.16	273.3	19.39	281.4	19.87	292.5	20.35	300.6	20.47
	104	28.4	201.9	15.99	218.7	18.56	238.2	21.62	258.9	24.33	266.7	24.91	277.2	25.53	284.7	25.96
		35.5	201.9	15.66	218.7	18.26	238.2	21.27	258.9	23.93	266.7	24.51	277.2	25.12	284.7	25.56
		71.0	201.9	14.38	218.7	17.08	238.2	19.88	258.9	22.38	266.7	22.92	277.2	23.50	284.7	23.93
		88.8	201.9	14.01	218.7	16.71	238.2	19.48	258.9	21.94	266.7	22.48	277.2	23.06	284.7	23.29
		106.5	201.9	13.82	218.7	16.52	238.2	19.27	258.9	21.72	266.7	22.26	277.2	22.84	284.7	22.97
	113	28.4	190.5	17.75	206.4	20.59	225.0	23.99	244.5	26.97	252.0	27.62	261.9	28.31	268.8	28.78
		35.5	190.5	17.39	206.4	20.26	225.0	23.60	244.5	26.53	252.0	27.18	261.9	27.85	268.8	28.32
		71.0	190.5	15.93	206.4	18.94	225.0	22.04	244.5	24.81	252.0	25.42	261.9	26.03	268.8	26.53
		88.8	190.5	15.53	206.4	18.53	225.0	21.61	244.5	24.31	252.0	24.91	261.9	25.56	268.8	25.83
		106.5	190.5	15.32	206.4	18.33	225.0	21.38	244.5	24.05	252.0	24.66	261.9	25.32	268.8	25.47
90	50	28.4	201.9	4.59	218.7	5.33	238.2	6.23	258.9	7.06	266.7	7.18	277.2	7.33	284.7	7.56
		35.5	201.9	4.51	218.7	5.26	238.2	6.14	258.9	6.95	266.7	7.08	277.2	7.24	284.7	7.44
		71.0	201.9	4.19	218.7	4.97	238.2	5.75	258.9	6.53	266.7	6.66	277.2	6.86	284.7	6.95
		88.8	201.9	4.06	218.7	4.80	238.2	5.65	258.9	6.33	266.7	6.53	277.2	6.73	284.7	6.72
		106.5	201.9	3.99	218.7	4.72	238.2	5.60	258.9	6.23	266.7	6.46	277.2	6.66	284.7	6.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA



ARWM288BAS5

288,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	28.4	201.9	6.26	218.7	7.27	238.2	8.47	258.9	9.57	266.7	9.77	277.2	10.01	284.7	10.22
		35.5	201.9	6.14	218.7	7.16	238.2	8.34	258.9	9.42	266.7	9.62	277.2	9.86	284.7	10.06
		71.0	201.9	5.67	218.7	6.72	238.2	7.80	258.9	8.81	266.7	9.01	277.2	9.25	284.7	9.42
		88.8	201.9	5.50	218.7	6.55	238.2	7.66	258.9	8.61	266.7	8.84	277.2	9.08	284.7	9.15
		106.5	201.9	5.42	218.7	6.46	238.2	7.60	258.9	8.51	266.7	8.76	277.2	9.00	284.7	9.01
	67	28.4	201.9	7.75	218.7	8.99	238.2	10.47	258.9	11.81	266.7	12.08	277.2	12.39	284.7	12.59
		35.5	201.9	7.60	218.7	8.84	238.2	10.30	258.9	11.61	266.7	11.88	277.2	12.19	284.7	12.39
		71.0	201.9	6.99	218.7	8.27	238.2	9.62	258.9	10.84	266.7	11.11	277.2	11.38	284.7	11.61
		88.8	201.9	6.79	218.7	8.10	238.2	9.45	258.9	10.63	266.7	10.90	277.2	11.17	284.7	11.31
		106.5	201.9	6.68	218.7	8.02	238.2	9.37	258.9	10.53	266.7	10.80	277.2	11.07	284.7	11.16
	75	28.4	201.9	9.44	218.7	10.98	238.2	12.76	258.9	14.38	266.7	14.72	277.2	15.09	284.7	15.37
		35.5	201.9	9.25	218.7	10.80	238.2	12.56	258.9	14.14	266.7	14.48	277.2	14.85	284.7	15.12
		71.0	201.9	8.51	218.7	10.09	238.2	11.75	258.9	13.23	266.7	13.54	277.2	13.91	284.7	14.14
		88.8	201.9	8.27	218.7	9.86	238.2	11.51	258.9	12.96	266.7	13.30	277.2	13.64	284.7	13.77
		106.5	201.9	8.15	218.7	9.74	238.2	11.39	258.9	12.83	266.7	13.18	277.2	13.50	284.7	13.59
	86	28.4	201.9	11.61	218.7	13.49	238.2	15.72	258.9	17.71	266.7	18.11	277.2	18.56	284.7	18.91
		35.5	201.9	11.38	218.7	13.27	238.2	15.46	258.9	17.42	266.7	17.82	277.2	18.26	284.7	18.60
		71.0	201.9	10.47	218.7	12.39	238.2	14.45	258.9	16.27	266.7	16.68	277.2	17.08	284.7	17.39
		88.8	201.9	10.16	218.7	12.15	238.2	14.14	258.9	15.97	266.7	16.34	277.2	16.78	284.7	16.95
		106.5	201.9	10.01	218.7	12.03	238.2	13.99	258.9	15.81	266.7	16.17	277.2	16.62	284.7	16.73
	95	28.4	196.5	12.54	212.7	14.55	231.6	16.95	251.7	19.08	259.2	19.52	269.4	20.00	276.9	20.38
		35.5	196.5	12.29	212.7	14.31	231.6	16.68	251.7	18.77	259.2	19.21	269.4	19.68	276.9	20.05
		71.0	196.5	11.28	212.7	13.37	231.6	15.60	251.7	17.55	259.2	17.96	269.4	18.43	276.9	18.77
		88.8	196.5	10.97	212.7	13.10	231.6	15.26	251.7	17.22	259.2	17.66	269.4	18.09	276.9	18.26
		106.5	196.5	10.82	212.7	12.96	231.6	15.09	251.7	17.05	259.2	17.50	269.4	17.92	276.9	18.01
	104	28.4	190.8	14.40	206.7	16.71	225.0	19.45	244.5	21.93	252.0	22.44	261.6	22.98	269.1	23.39
		35.5	190.8	14.11	206.7	16.44	225.0	19.14	244.5	21.57	252.0	22.08	261.6	22.62	269.1	23.02
		71.0	190.8	12.96	206.7	15.36	225.0	17.93	244.5	20.15	252.0	20.66	261.6	21.17	269.1	21.57
		88.8	190.8	12.59	206.7	15.06	225.0	17.55	244.5	19.78	252.0	20.26	261.6	20.80	269.1	21.00
		106.5	190.8	12.40	206.7	14.90	225.0	17.37	244.5	19.60	252.0	20.05	261.6	20.61	269.1	20.71
	113	28.4	185.1	16.26	200.7	18.87	218.4	21.95	237.3	24.78	244.8	25.35	253.8	25.97	261.3	26.40
		35.5	185.1	15.93	200.7	18.57	218.4	21.61	237.3	24.37	244.8	24.95	253.8	25.56	261.3	25.99
		71.0	185.1	14.65	200.7	17.35	218.4	20.26	237.3	22.75	244.8	23.36	253.8	23.90	261.3	24.37
		88.8	185.1	14.21	200.7	17.01	218.4	19.85	237.3	22.35	244.8	22.85	253.8	23.50	261.3	23.73
		106.5	185.1	13.99	200.7	16.84	218.4	19.65	237.3	22.14	244.8	22.60	253.8	23.29	261.3	23.41
80	50	28.4	179.4	3.93	194.4	4.47	211.8	5.20	230.1	5.96	237.0	6.03	246.3	6.21	253.2	6.26
		35.5	179.4	3.84	194.4	4.41	211.8	5.13	230.1	5.85	237.0	5.94	246.3	6.11	253.2	6.17
		71.0	179.4	3.47	194.4	4.19	211.8	4.84	230.1	5.42	237.0	5.59	246.3	5.68	253.2	5.78
		88.8	179.4	3.45	194.4	4.06	211.8	4.74	230.1	5.33	237.0	5.42	246.3	5.58	253.2	5.65
		106.5	179.4	3.43	194.4	3.99	211.8	4.69	230.1	5.28	237.0	5.33	246.3	5.53	253.2	5.59
	59	28.4	179.4	5.28	194.4	6.10	211.8	7.10	230.1	8.04	237.0	8.20	246.3	8.41	253.2	8.54
		35.5	179.4	5.17	194.4	6.01	211.8	6.99	230.1	7.90	237.0	8.07	246.3	8.27	253.2	8.41
		71.0	179.4	4.73	194.4	5.64	211.8	6.55	230.1	7.36	237.0	7.56	246.3	7.73	253.2	7.87
		88.8	179.4	4.62	194.4	5.50	211.8	6.41	230.1	7.22	237.0	7.39	246.3	7.60	253.2	7.66
		106.5	179.4	4.57	194.4	5.43	211.8	6.35	230.1	7.16	237.0	7.31	246.3	7.53	253.2	7.56
	67	28.4	179.4	6.47	194.4	7.55	211.8	8.79	230.1	9.88	237.0	10.12	246.3	10.36	253.2	10.57
		35.5	179.4	6.35	194.4	7.43	211.8	8.64	230.1	9.72	237.0	9.96	246.3	10.20	253.2	10.40
		71.0	179.4	5.84	194.4	6.92	211.8	8.07	230.1	9.08	237.0	9.32	246.3	9.55	253.2	9.72
		88.8	179.4	5.67	194.4	6.79	211.8	7.90	230.1	8.91	237.0	9.15	246.3	9.38	253.2	9.45
		106.5	179.4	5.59	194.4	6.72	211.8	7.81	230.1	8.83	237.0	9.06	246.3	9.30	253.2	9.32
	75	28.4	179.4	7.93	194.4	9.20	211.8	10.70	230.1	12.04	237.0	12.36	246.3	12.66	253.2	12.86
		35.5	179.4	7.76	194.4	9.05	211.8	10.53	230.1	11.85	237.0	12.15	246.3	12.46	253.2	12.66
		71.0	179.4	7.12	194.4	8.44	211.8	9.86	230.1	11.11	237.0	11.34	246.3	11.65	253.2	11.85
		88.8	179.4	6.92	194.4	8.27	211.8	9.65	230.1	10.87	237.0	11.14	246.3	11.44	253.2	11.55
		106.5	179.4	6.82	194.4	8.19	211.8	9.55	230.1	10.75	237.0	11.04	246.3	11.34	253.2	11.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	28.4	179.4	9.71	194.4	11.29	211.8	13.18	230.1	14.82	237.0	15.16	246.3	15.54	253.2	15.85
		35.5	179.4	9.52	194.4	11.11	211.8	12.96	230.1	14.58	237.0	14.92	246.3	15.29	253.2	15.60
		71.0	179.4	8.78	194.4	10.40	211.8	12.12	230.1	13.64	237.0	13.98	246.3	14.31	253.2	14.58
		88.8	179.4	8.54	194.4	10.16	211.8	11.85	230.1	13.37	237.0	13.71	246.3	14.04	253.2	14.21
		106.5	179.4	8.42	194.4	10.04	211.8	11.71	230.1	13.23	237.0	13.57	246.3	13.91	253.2	14.03
	95	28.4	179.4	10.81	194.4	12.56	211.8	14.61	230.1	16.47	237.0	16.88	246.3	17.30	253.2	17.60
		35.5	179.4	10.60	194.4	12.36	211.8	14.38	230.1	16.20	237.0	16.61	246.3	17.01	253.2	17.32
		71.0	179.4	9.76	194.4	11.55	211.8	13.47	230.1	15.16	237.0	15.53	246.3	15.90	253.2	16.20
		88.8	179.4	9.49	194.4	11.31	211.8	13.20	230.1	14.85	237.0	15.23	246.3	15.63	253.2	15.77
		106.5	179.4	9.35	194.4	11.19	211.8	13.06	230.1	14.70	237.0	15.07	246.3	15.49	253.2	15.54
	104	28.4	179.4	12.81	194.4	14.90	211.8	17.33	230.1	19.52	237.0	19.97	246.3	20.49	253.2	20.82
		35.5	179.4	12.56	194.4	14.65	211.8	17.05	230.1	19.21	237.0	19.65	246.3	20.15	253.2	20.49
		71.0	179.4	11.55	194.4	13.67	211.8	15.93	230.1	17.96	237.0	18.36	246.3	18.84	253.2	19.17
		88.8	179.4	11.21	194.4	13.40	211.8	15.60	230.1	17.59	237.0	18.03	246.3	18.50	253.2	18.67
		106.5	179.4	11.04	194.4	13.27	211.8	15.43	230.1	17.40	237.0	17.86	246.3	18.33	253.2	18.41
	113	28.4	179.4	14.81	194.4	17.24	211.8	20.05	230.1	22.58	237.0	23.06	246.3	23.68	253.2	24.05
		35.5	179.4	14.52	194.4	16.95	211.8	19.72	230.1	22.21	237.0	22.69	246.3	23.29	253.2	23.66
		71.0	179.4	13.33	194.4	15.80	211.8	18.40	230.1	20.76	237.0	21.20	246.3	21.77	253.2	22.15
		88.8	179.4	12.93	194.4	15.50	211.8	17.99	230.1	20.32	237.0	20.83	246.3	21.37	253.2	21.57
		106.5	179.4	12.73	194.4	15.34	211.8	17.79	230.1	20.10	237.0	20.64	246.3	21.17	253.2	21.28
70	50	28.4	157.2	3.20	170.1	3.73	185.4	4.31	201.3	4.87	207.3	5.05	215.4	5.18	221.4	5.20
		35.5	157.2	3.15	170.1	3.67	185.4	4.25	201.3	4.80	207.3	4.97	215.4	5.10	221.4	5.13
		71.0	157.2	2.92	170.1	3.41	185.4	3.99	201.3	4.55	207.3	4.65	215.4	4.78	221.4	4.84
		88.8	157.2	2.86	170.1	3.34	185.4	3.93	201.3	4.41	207.3	4.51	215.4	4.64	221.4	4.71
		106.5	157.2	2.83	170.1	3.31	185.4	3.90	201.3	4.35	207.3	4.44	215.4	4.57	221.4	4.64
	59	28.4	157.2	4.37	170.1	5.08	185.4	5.90	201.3	6.65	207.3	6.83	215.4	7.00	221.4	7.10
		35.5	157.2	4.29	170.1	5.00	185.4	5.81	201.3	6.55	207.3	6.72	215.4	6.89	221.4	6.99
		71.0	157.2	3.95	170.1	4.66	185.4	5.44	201.3	6.14	207.3	6.28	215.4	6.45	221.4	6.55
		88.8	157.2	3.85	170.1	4.56	185.4	5.33	201.3	6.01	207.3	6.14	215.4	6.31	221.4	6.38
		106.5	157.2	3.80	170.1	4.51	185.4	5.28	201.3	5.94	207.3	6.08	215.4	6.24	221.4	6.30
	67	28.4	157.2	5.41	170.1	6.28	185.4	7.31	201.3	8.24	207.3	8.41	215.4	8.61	221.4	8.79
		35.5	157.2	5.30	170.1	6.18	185.4	7.19	201.3	8.10	207.3	8.27	215.4	8.47	221.4	8.64
		71.0	157.2	4.86	170.1	5.77	185.4	6.72	201.3	7.56	207.3	7.73	215.4	7.93	221.4	8.07
		88.8	157.2	4.73	170.1	5.64	185.4	6.58	201.3	7.43	207.3	7.60	215.4	7.80	221.4	7.87
		106.5	157.2	4.66	170.1	5.57	185.4	6.51	201.3	7.36	207.3	7.53	215.4	7.73	221.4	7.76
	75	28.4	157.2	6.58	170.1	7.66	185.4	8.88	201.3	10.02	207.3	10.26	215.4	10.49	221.4	10.70
		35.5	157.2	6.45	170.1	7.53	185.4	8.74	201.3	9.86	207.3	10.09	215.4	10.33	221.4	10.53
		71.0	157.2	5.94	170.1	7.02	185.4	8.20	201.3	9.22	207.3	9.45	215.4	9.69	221.4	9.86
		88.8	157.2	5.77	170.1	6.89	185.4	8.03	201.3	9.05	207.3	9.25	215.4	9.49	221.4	9.59
		106.5	157.2	5.69	170.1	6.82	185.4	7.95	201.3	8.96	207.3	9.15	215.4	9.38	221.4	9.45
	86	28.4	157.2	8.10	170.1	9.40	185.4	10.95	201.3	12.32	207.3	12.63	215.4	12.93	221.4	13.18
		35.5	157.2	7.93	170.1	9.25	185.4	10.77	201.3	12.12	207.3	12.42	215.4	12.73	221.4	12.96
		71.0	157.2	7.29	170.1	8.64	185.4	10.06	201.3	11.34	207.3	11.61	215.4	11.92	221.4	12.12
		88.8	157.2	7.09	170.1	8.47	185.4	9.86	201.3	11.11	207.3	11.41	215.4	11.68	221.4	11.82
		106.5	157.2	6.99	170.1	8.39	185.4	9.76	201.3	10.99	207.3	11.31	215.4	11.56	221.4	11.66
	95	28.4	157.2	8.99	170.1	10.42	185.4	12.19	201.3	13.69	207.3	14.04	215.4	14.38	221.4	14.61
		35.5	157.2	8.81	170.1	10.26	185.4	11.98	201.3	13.47	207.3	13.81	215.4	14.14	221.4	14.38
		71.0	157.2	8.10	170.1	9.62	185.4	11.17	201.3	12.59	207.3	12.90	215.4	13.23	221.4	13.47
		88.8	157.2	7.87	170.1	9.38	185.4	10.97	201.3	12.36	207.3	12.66	215.4	13.00	221.4	13.13
		106.5	157.2	7.75	170.1	9.27	185.4	10.87	201.3	12.24	207.3	12.54	215.4	12.88	221.4	12.96
	104	28.4	157.2	10.64	170.1	12.35	185.4	14.41	201.3	16.23	207.3	16.60	215.4	17.02	221.4	17.32
		35.5	157.2	10.43	170.1	12.15	185.4	14.18	201.3	15.97	207.3	16.34	215.4	16.74	221.4	17.05
		71.0	157.2	9.59	170.1	11.38	185.4	13.27	201.3	14.92	207.3	15.29	215.4	15.66	221.4	15.97
		88.8	157.2	9.32	170.1	11.14	185.4	12.96	201.3	14.62	207.3	14.99	215.4	15.39	221.4	15.53
		106.5	157.2	9.18	170.1	11.02	185.4	12.81	201.3	14.46	207.3	14.84	215.4	15.26	221.4	15.31

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM288BAS5

288,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	28.4	134.7	2.55	145.8	2.97	158.7	3.41	172.5	3.93	177.9	4.04	184.8	4.08	189.9	4.15
		35.5	134.7	2.50	145.8	2.92	158.7	3.37	172.5	3.87	177.9	3.96	184.8	4.03	189.9	4.09
		71.0	134.7	2.30	145.8	2.73	158.7	3.22	172.5	3.60	177.9	3.67	184.8	3.80	189.9	3.87
		88.8	134.7	2.20	145.8	2.70	158.7	3.15	172.5	3.54	177.9	3.60	184.8	3.70	189.9	3.77
		106.5	134.7	2.15	145.8	2.68	158.7	3.12	172.5	3.51	177.9	3.57	184.8	3.65	189.9	3.72
60	50	28.4	134.7	3.48	145.8	4.05	158.7	4.69	172.5	5.32	177.9	5.46	184.8	5.55	189.9	5.66
		35.5	134.7	3.41	145.8	3.98	158.7	4.62	172.5	5.23	177.9	5.37	184.8	5.47	189.9	5.57
		71.0	134.7	3.14	145.8	3.71	158.7	4.35	172.5	4.89	177.9	5.00	184.8	5.13	189.9	5.23
		88.8	134.7	3.04	145.8	3.65	158.7	4.25	172.5	4.79	177.9	4.89	184.8	5.03	189.9	5.10
		106.5	134.7	2.99	145.8	3.61	158.7	4.20	172.5	4.74	177.9	4.84	184.8	4.98	189.9	5.03
	59	28.4	134.7	4.31	145.8	5.01	158.7	5.83	172.5	6.55	177.9	6.73	184.8	6.86	189.9	7.00
		35.5	134.7	4.22	145.8	4.93	158.7	5.74	172.5	6.45	177.9	6.62	184.8	6.75	189.9	6.89
		71.0	134.7	3.88	145.8	4.59	158.7	5.37	172.5	6.04	177.9	6.18	184.8	6.31	189.9	6.45
		88.8	134.7	3.78	145.8	4.49	158.7	5.23	172.5	5.91	177.9	6.04	184.8	6.21	189.9	6.28
		106.5	134.7	3.73	145.8	4.44	158.7	5.16	172.5	5.84	177.9	5.97	184.8	6.16	189.9	6.19
	67	28.4	134.7	5.23	145.8	6.11	158.7	7.11	172.5	7.99	177.9	8.16	184.8	8.36	189.9	8.54
		35.5	134.7	5.13	145.8	6.01	158.7	6.99	172.5	7.87	177.9	8.03	184.8	8.24	189.9	8.41
		71.0	134.7	4.73	145.8	5.60	158.7	6.52	172.5	7.36	177.9	7.53	184.8	7.73	189.9	7.87
		88.8	134.7	4.59	145.8	5.47	158.7	6.38	172.5	7.19	177.9	7.39	184.8	7.56	189.9	7.66
		106.5	134.7	4.52	145.8	5.40	158.7	6.31	172.5	7.11	177.9	7.33	184.8	7.48	189.9	7.56
	75	28.4	134.7	6.44	145.8	7.48	158.7	8.71	172.5	9.81	177.9	10.05	184.8	10.29	189.9	10.50
		35.5	134.7	6.31	145.8	7.36	158.7	8.57	172.5	9.65	177.9	9.89	184.8	10.13	189.9	10.33
		71.0	134.7	5.81	145.8	6.89	158.7	8.03	172.5	9.05	177.9	9.25	184.8	9.49	189.9	9.65
		88.8	134.7	5.64	145.8	6.75	158.7	7.87	172.5	8.88	177.9	9.08	184.8	9.32	189.9	9.42
		106.5	134.7	5.55	145.8	6.68	158.7	7.78	172.5	8.79	177.9	9.00	184.8	9.23	189.9	9.30
	86	28.4	134.7	7.17	145.8	8.34	158.7	9.72	172.5	10.91	177.9	11.18	184.8	11.46	189.9	11.67
		35.5	134.7	7.02	145.8	8.20	158.7	9.55	172.5	10.74	177.9	11.01	184.8	11.28	189.9	11.48
		71.0	134.7	6.45	145.8	7.66	158.7	8.91	172.5	10.06	177.9	10.30	184.8	10.53	189.9	10.74
		88.8	134.7	6.28	145.8	7.49	158.7	8.74	172.5	9.86	177.9	10.09	184.8	10.36	189.9	10.47
		106.5	134.7	6.19	145.8	7.41	158.7	8.66	172.5	9.76	177.9	9.99	184.8	10.28	189.9	10.33
	95	28.4	134.7	8.47	145.8	9.84	158.7	11.50	172.5	12.94	177.9	13.24	184.8	13.55	189.9	13.83
		35.5	134.7	8.30	145.8	9.69	158.7	11.31	172.5	12.73	177.9	13.03	184.8	13.33	189.9	13.60
		71.0	134.7	7.66	145.8	9.08	158.7	10.57	172.5	11.88	177.9	12.19	184.8	12.49	189.9	12.73
		88.8	134.7	7.43	145.8	8.88	158.7	10.36	172.5	11.65	177.9	11.95	184.8	12.25	189.9	12.39
		106.5	134.7	7.31	145.8	8.78	158.7	10.26	172.5	11.53	177.9	11.83	184.8	12.14	189.9	12.22
	104	28.4	134.7	9.77	145.8	11.34	158.7	13.28	172.5	14.97	177.9	15.30	184.8	15.63	189.9	15.99
		35.5	134.7	9.59	145.8	11.17	158.7	13.06	172.5	14.72	177.9	15.06	184.8	15.39	189.9	15.73
		71.0	134.7	8.88	145.8	10.50	158.7	12.22	172.5	13.71	177.9	14.08	184.8	14.45	189.9	14.72
		88.8	134.7	8.57	145.8	10.26	158.7	11.98	172.5	13.44	177.9	13.81	184.8	14.14	189.9	14.31
		106.5	134.7	8.42	145.8	10.14	158.7	11.87	172.5	13.30	177.9	13.67	184.8	13.99	189.9	14.11
	113	42.6	202.2	13.77	219.0	15.90	238.2	18.52	259.2	20.83	267.0	21.32	277.2	21.94	285.0	22.22
		53.3	202.2	13.48	219.0	15.64	238.2	18.22	259.2	20.50	267.0	20.98	277.2	21.58	285.0	21.88
		106.5	202.2	12.35	219.0	14.62	238.2	17.02	259.2	19.18	267.0	19.60	277.2	20.14	285.0	20.50
		133.1	202.2	11.99	219.0	14.38	238.2	16.72	259.2	18.76	267.0	19.24	277.2	19.72	285.0	19.96
		159.8	202.2	11.81	219.0	14.26	238.2	16.57	259.2	18.55	267.0	19.06	277.2	19.51	285.0	19.69
50	50	28.4	112.2	1.89	121.5	2.21	132.3	2.65	144.0	2.90	148.2	2.95	153.9	3.08	158.1	3.10
		35.5	112.2	1.85	121.5	2.17	132.3	2.60	144.0	2.86	148.2	2.92	153.9	3.02	158.1	3.05
		71.0	112.2	1.68	121.5	2.05	132.3	2.41	144.0	2.70	148.2	2.80	153.9	2.79	158.1	2.86
		88.8	112.2	1.65	121.5	2.05	132.3	2.34	144.0	2.63	148.2	2.66	153.9	2.76	158.1	2.76
		106.5	112.2	1.64	121.5	2.05	132.3	2.30	144.0	2.59	148.2	2.59	153.9	2.74	158.1	2.70
	59	28.4	112.2	2.58	121.5	3.02	132.3	3.54	144.0	3.94	148.2	4.04	153.9	4.15	158.1	4.22
		35.5	112.2	2.53	121.5	2.97	132.3	3.48	144.0	3.88	148.2	3.98	153.9	4.08	158.1	4.15
		71.0	112.2	2.33	121.5	2.77	132.3	3.24	144.0	3.65	148.2	3.75	153.9	3.81	158.1	3.88
		88.8	112.2	2.26	121.5	2.73	132.3	3.17	144.0	3.58	148.2	3.65	153.9	3.75	158.1	3.78
		106.5	112.2	2.23	121.5	2.72	132.3	3.14	144.0	3.54	148.2	3.59	153.9	3.71	158.1	3.73

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	67	28.4	112.2	3.20	121.5	3.75	132.3	4.32	144.0	4.87	148.2	5.01	153.9	5.11	158.1	5.22
		35.5	112.2	3.14	121.5	3.68	132.3	4.25	144.0	4.79	148.2	4.93	153.9	5.03	158.1	5.13
		71.0	112.2	2.90	121.5	3.41	132.3	3.98	144.0	4.49	148.2	4.59	153.9	4.73	158.1	4.79
		88.8	112.2	2.80	121.5	3.34	132.3	3.92	144.0	4.42	148.2	4.52	153.9	4.62	158.1	4.69
		106.5	112.2	2.75	121.5	3.31	132.3	3.88	144.0	4.39	148.2	4.49	153.9	4.57	158.1	4.64
	75	28.4	112.2	3.89	121.5	4.52	132.3	5.28	144.0	5.98	148.2	6.11	153.9	6.25	158.1	6.34
		35.5	112.2	3.81	121.5	4.46	132.3	5.20	144.0	5.87	148.2	6.01	153.9	6.14	158.1	6.25
		71.0	112.2	3.51	121.5	4.19	132.3	4.86	144.0	5.47	148.2	5.60	153.9	5.74	158.1	5.87
		88.8	112.2	3.41	121.5	4.08	132.3	4.76	144.0	5.37	148.2	5.50	153.9	5.64	158.1	5.71
		106.5	112.2	3.36	121.5	4.03	132.3	4.71	144.0	5.32	148.2	5.45	153.9	5.59	158.1	5.62
	86	28.4	112.2	4.83	121.5	5.60	132.3	6.52	144.0	7.34	148.2	7.52	153.9	7.68	158.1	7.82
		35.5	112.2	4.73	121.5	5.50	132.3	6.41	144.0	7.22	148.2	7.39	153.9	7.56	158.1	7.70
		71.0	112.2	4.32	121.5	5.13	132.3	5.98	144.0	6.75	148.2	6.89	153.9	7.09	158.1	7.19
		88.8	112.2	4.22	121.5	5.03	132.3	5.87	144.0	6.62	148.2	6.79	153.9	6.95	158.1	7.02
		106.5	112.2	4.17	121.5	4.98	132.3	5.82	144.0	6.55	148.2	6.73	153.9	6.89	158.1	6.94
	95	28.4	112.2	5.33	121.5	6.21	132.3	7.24	144.0	8.13	148.2	8.34	153.9	8.54	158.1	8.68
		35.5	112.2	5.23	121.5	6.11	132.3	7.12	144.0	8.00	148.2	8.20	153.9	8.41	158.1	8.54
		71.0	112.2	4.83	121.5	5.71	132.3	6.65	144.0	7.49	148.2	7.66	153.9	7.87	158.1	8.00
		88.8	112.2	4.69	121.5	5.60	132.3	6.52	144.0	7.36	148.2	7.53	153.9	7.73	158.1	7.80
		106.5	112.2	4.62	121.5	5.55	132.3	6.45	144.0	7.29	148.2	7.46	153.9	7.66	158.1	7.70
	104	28.4	112.2	6.34	121.5	7.34	132.3	8.58	144.0	9.64	148.2	9.88	153.9	10.12	158.1	10.29
		35.5	112.2	6.21	121.5	7.22	132.3	8.44	144.0	9.49	148.2	9.72	153.9	9.96	158.1	10.13
		71.0	112.2	5.71	121.5	6.75	132.3	7.87	144.0	8.88	148.2	9.08	153.9	9.32	158.1	9.49
		88.8	112.2	5.54	121.5	6.62	132.3	7.73	144.0	8.71	148.2	8.91	153.9	9.15	158.1	9.22
		106.5	112.2	5.45	121.5	6.55	132.3	7.66	144.0	8.62	148.2	8.83	153.9	9.06	158.1	9.08
	113	28.4	112.2	7.34	121.5	8.47	132.3	9.93	144.0	11.15	148.2	11.43	153.9	11.70	158.1	11.90
		35.5	112.2	7.19	121.5	8.34	132.3	9.76	144.0	10.97	148.2	11.24	153.9	11.51	158.1	11.71
		71.0	112.2	6.58	121.5	7.80	132.3	9.08	144.0	10.26	148.2	10.50	153.9	10.77	158.1	10.97
		88.8	112.2	6.38	121.5	7.63	132.3	8.95	144.0	10.06	148.2	10.30	153.9	10.57	158.1	10.63
		106.5	112.2	6.28	121.5	7.54	132.3	8.88	144.0	9.96	148.2	10.19	153.9	10.46	158.1	10.46

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM360BAS5

360,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	50	36.6	334.7	9.09	362.5	10.66	394.5	12.42	428.7	13.92	441.9	14.23	459.2	14.70	472.0	14.91
		53.4	334.7	8.93	362.5	10.47	394.5	12.20	428.7	13.70	441.9	14.02	459.2	14.45	472.0	14.68
		91.2	334.7	8.28	362.5	9.72	394.5	11.36	428.7	12.81	441.9	13.19	459.2	13.46	472.0	13.79
		114.0	334.7	8.10	362.5	9.62	394.5	11.22	428.7	12.60	441.9	12.98	459.2	13.29	472.0	13.51
		136.8	334.7	7.92	362.5	9.52	394.5	11.08	428.7	12.38	441.9	12.76	459.2	13.11	472.0	13.22
	59	36.6	329.2	11.99	356.6	13.97	388.2	16.28	421.9	18.29	434.7	18.72	451.6	19.22	464.4	19.55
		53.4	329.2	11.75	356.6	13.74	388.2	16.01	421.9	18.00	434.7	18.43	451.6	18.91	464.4	19.25
		91.2	329.2	10.84	356.6	12.82	388.2	14.95	421.9	16.83	434.7	17.27	451.6	17.70	464.4	18.09
		114.0	329.2	10.62	356.6	12.64	388.2	14.73	421.9	16.58	434.7	17.02	451.6	17.45	464.4	17.77
		136.8	329.2	10.40	356.6	12.46	388.2	14.51	421.9	16.32	434.7	16.76	451.6	17.20	464.4	17.44
	67	36.6	324.3	14.56	351.4	16.91	382.5	19.72	415.9	22.17	428.3	22.72	444.8	23.24	457.6	23.67
		53.4	324.3	14.27	351.4	16.64	382.5	19.40	415.9	21.82	428.3	22.35	444.8	22.88	457.6	23.32
		91.2	324.3	13.11	351.4	15.58	382.5	18.14	415.9	20.41	428.3	20.90	444.8	21.48	457.6	21.91
		114.0	324.3	12.86	351.4	15.33	382.5	17.85	415.9	20.12	428.3	20.61	444.8	21.15	457.6	21.55
		136.8	324.3	12.60	351.4	15.07	382.5	17.56	415.9	19.83	428.3	20.32	444.8	20.82	457.6	21.19
	75	36.6	324.3	17.96	351.4	20.84	382.5	24.29	415.9	27.40	428.3	28.03	444.8	28.69	457.6	29.17
		53.4	324.3	17.61	351.4	20.51	382.5	23.90	415.9	26.94	428.3	27.57	444.8	28.25	457.6	28.73
		91.2	324.3	16.21	351.4	19.20	382.5	22.35	415.9	25.15	428.3	25.78	444.8	26.51	457.6	26.99
		114.0	324.3	15.85	351.4	18.88	382.5	22.02	415.9	24.79	428.3	25.42	444.8	26.11	457.6	26.56
		136.8	324.3	15.48	351.4	18.55	382.5	21.69	415.9	24.43	428.3	25.06	444.8	25.71	457.6	26.12
	86	36.6	324.3	21.58	351.4	25.03	382.5	29.15	415.9	32.85	428.3	33.63	444.8	34.45	457.6	35.02
		53.4	324.3	21.14	351.4	24.62	382.5	28.69	415.9	32.31	428.3	33.09	444.8	33.91	457.6	34.49
		91.2	324.3	19.40	351.4	23.03	382.5	26.85	415.9	30.19	428.3	30.96	444.8	31.78	457.6	32.41
		114.0	324.3	19.00	351.4	22.67	382.5	26.41	415.9	29.75	428.3	30.53	444.8	31.31	457.6	31.87
		136.8	324.3	18.60	351.4	22.30	382.5	25.97	415.9	29.31	428.3	30.09	444.8	30.84	457.6	31.32
	95	36.6	292.1	21.76	316.1	25.33	344.2	29.50	374.3	33.18	385.5	34.02	400.5	34.85	411.8	35.40
		53.4	292.1	21.33	316.1	24.91	344.2	29.02	374.3	32.65	385.5	33.48	400.5	34.30	411.8	34.88
		91.2	292.1	19.64	316.1	23.27	344.2	27.14	374.3	30.57	385.5	31.30	400.5	32.12	411.8	32.80
		114.0	292.1	19.24	316.1	22.91	344.2	26.70	374.3	30.10	385.5	30.87	400.5	31.65	411.8	32.22
		136.8	292.1	18.84	316.1	22.54	344.2	26.26	374.3	29.63	385.5	30.43	400.5	31.17	411.8	31.63
	104	36.6	259.4	23.01	281.2	26.69	305.9	31.12	332.6	35.00	342.7	35.83	355.9	36.70	366.0	37.37
		53.4	259.4	22.54	281.2	26.27	305.9	30.62	332.6	34.44	342.7	35.26	355.9	36.14	366.0	36.81
		91.2	259.4	20.70	281.2	24.57	305.9	28.64	332.6	32.22	342.7	33.04	355.9	33.91	366.0	34.59
		114.0	259.4	20.27	281.2	24.17	305.9	28.17	332.6	31.75	342.7	32.57	355.9	33.40	366.0	34.01
		136.8	259.4	19.83	281.2	23.77	305.9	27.69	332.6	31.27	342.7	32.09	355.9	32.89	366.0	33.42
	113	36.6	226.7	24.25	246.3	28.06	267.7	32.74	290.9	36.83	299.9	37.63	311.2	38.55	320.2	39.35
		53.4	226.7	23.75	246.3	27.62	267.7	32.22	290.9	36.23	299.9	37.05	311.2	37.97	320.2	38.75
		91.2	226.7	21.77	246.3	25.88	267.7	30.14	290.9	33.86	299.9	34.78	311.2	35.70	320.2	36.38
		114.0	226.7	21.30	246.3	25.45	267.7	29.63	290.9	33.39	299.9	34.27	311.2	35.16	320.2	35.80
		136.8	226.7	20.82	246.3	25.01	267.7	29.12	290.9	32.92	299.9	33.76	311.2	34.61	320.2	35.21
120	50	36.6	316.9	8.67	342.8	10.11	373.6	11.71	405.9	13.19	418.0	13.60	434.5	13.92	446.5	14.08
		53.4	316.9	8.50	342.8	9.95	373.6	11.53	405.9	12.98	418.0	13.36	434.5	13.68	446.5	13.87
		91.2	316.9	7.79	342.8	9.29	373.6	10.84	405.9	12.14	418.0	12.41	434.5	12.74	446.5	13.02
		114.0	316.9	7.62	342.8	9.08	373.6	10.66	405.9	11.93	418.0	12.28	434.5	12.57	446.5	12.82
		136.8	316.9	7.44	342.8	8.86	373.6	10.48	405.9	11.71	418.0	12.14	434.5	12.40	446.5	12.61
	59	36.6	313.1	11.50	339.0	13.38	369.4	15.53	401.3	17.50	413.3	17.95	429.4	18.39	441.5	18.66
		53.4	313.1	11.27	339.0	13.16	369.4	15.29	401.3	17.22	413.3	17.66	429.4	18.09	441.5	18.38
		91.2	313.1	10.35	339.0	12.29	369.4	14.32	401.3	16.11	413.3	16.50	429.4	16.93	441.5	17.27
		114.0	313.1	10.14	339.0	12.07	369.4	14.10	401.3	15.86	413.3	16.28	429.4	16.68	441.5	16.98
		136.8	313.1	9.92	339.0	11.85	369.4	13.88	401.3	15.60	413.3	16.06	429.4	16.42	441.5	16.69
	67	36.6	309.7	14.02	335.6	16.28	365.6	18.93	397.2	21.34	409.2	21.82	424.9	22.35	437.0	22.74
		53.4	309.7	13.74	335.6	16.01	365.6	18.62	397.2	20.99	409.2	21.48	424.9	22.01	437.0	22.40
		91.2	309.7	12.63	335.6	14.95	365.6	17.41	397.2	19.64	409.2	20.12	424.9	20.66	437.0	21.04
		114.0	309.7	12.38	335.6	14.73	365.6	17.16	397.2	19.35	409.2	19.83	424.9	20.33	437.0	20.68
		136.8	309.7	12.12	335.6	14.51	365.6	16.91	397.2	19.06	409.2	19.54	424.9	20.00	437.0	20.32

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	36.6	309.7	17.22	335.6	20.02	365.6	23.31	397.2	26.20	409.2	26.84	424.9	27.53	437.0	28.00
		53.4	309.7	16.88	335.6	19.69	365.6	22.93	397.2	25.78	409.2	26.41	424.9	27.09	437.0	27.57
		91.2	309.7	15.53	335.6	18.38	365.6	21.43	397.2	24.14	409.2	24.72	424.9	25.35	437.0	25.88
		114.0	309.7	15.20	335.6	18.09	365.6	21.11	397.2	23.78	409.2	24.36	424.9	24.99	437.0	25.41
		136.8	309.7	14.87	335.6	17.80	365.6	20.78	397.2	23.41	409.2	23.99	424.9	24.62	437.0	24.93
	86	36.6	309.7	20.77	335.6	24.19	365.6	28.18	397.2	31.71	409.2	32.44	424.9	33.27	437.0	33.86
		53.4	309.7	20.37	335.6	23.80	365.6	27.72	397.2	31.20	409.2	31.93	424.9	32.75	437.0	33.33
		91.2	309.7	18.77	335.6	22.25	365.6	25.88	397.2	29.17	409.2	29.90	424.9	30.67	437.0	31.25
		114.0	309.7	18.37	335.6	21.89	365.6	25.48	397.2	28.74	409.2	29.46	424.9	30.24	437.0	30.71
		136.8	309.7	17.97	335.6	21.52	365.6	25.08	397.2	28.30	409.2	29.02	424.9	29.80	437.0	30.16
	95	36.6	283.4	21.33	307.1	24.78	334.5	28.86	363.4	32.50	374.3	33.29	388.9	34.05	399.8	34.69
		53.4	283.4	20.90	307.1	24.38	334.5	28.40	363.4	31.98	374.3	32.75	388.9	33.52	399.8	34.15
		91.2	283.4	19.20	307.1	22.78	334.5	26.56	363.4	29.90	374.3	30.62	388.9	31.44	399.8	32.02
		114.0	283.4	18.80	307.1	22.42	334.5	26.16	363.4	29.46	374.3	30.19	388.9	30.97	399.8	31.48
		136.8	283.4	18.40	307.1	22.06	334.5	25.76	363.4	29.02	374.3	29.75	388.9	30.50	399.8	30.93
	104	36.6	257.1	22.95	278.5	26.65	303.3	31.07	330.0	34.96	339.7	35.79	352.9	36.66	362.6	37.34
		53.4	257.1	22.49	278.5	26.22	303.3	30.57	330.0	34.39	339.7	35.22	352.9	36.09	362.6	36.76
		91.2	257.1	20.70	278.5	24.53	303.3	28.59	330.0	32.17	339.7	32.94	352.9	33.81	362.6	34.49
		114.0	257.1	20.27	278.5	24.13	303.3	28.16	330.0	31.70	339.7	32.51	352.9	33.34	362.6	33.87
		136.8	257.1	19.83	278.5	23.73	303.3	27.72	330.0	31.22	339.7	32.07	352.9	32.87	362.6	33.25
	113	36.6	230.9	24.57	250.0	28.51	272.2	33.29	296.6	37.41	305.2	38.29	316.8	39.27	325.5	39.99
		53.4	230.9	24.09	250.0	28.06	272.2	32.75	296.6	36.81	305.2	37.68	316.8	38.65	325.5	39.38
		91.2	230.9	22.20	250.0	26.27	272.2	30.62	296.6	34.44	305.2	35.26	316.8	36.18	325.5	36.96
		114.0	230.9	21.73	250.0	25.83	272.2	30.15	296.6	33.93	305.2	34.83	316.8	35.71	325.5	36.27
		136.8	230.9	21.26	250.0	25.39	272.2	29.68	296.6	33.42	305.2	34.39	316.8	35.24	325.5	35.58
110	50	36.6	298.6	8.18	323.8	9.47	352.4	11.10	382.8	12.46	394.0	12.72	409.8	13.13	420.7	13.31
		53.4	298.6	8.02	323.8	9.32	352.4	10.91	382.8	12.26	394.0	12.53	409.8	12.92	420.7	13.10
		91.2	298.6	7.36	323.8	8.71	352.4	10.16	382.8	11.46	394.0	11.80	409.8	12.08	420.7	12.26
		114.0	298.6	7.22	323.8	8.57	352.4	9.98	382.8	11.33	394.0	11.55	409.8	11.90	420.7	12.05
		136.8	298.6	7.08	323.8	8.43	352.4	9.80	382.8	11.19	394.0	11.29	409.8	11.72	420.7	11.84
	59	36.6	296.9	10.96	321.7	12.74	350.2	14.85	380.6	16.72	391.9	17.10	407.3	17.55	418.6	17.84
		53.4	296.9	10.74	321.7	12.53	350.2	14.61	380.6	16.45	391.9	16.83	407.3	17.27	418.6	17.56
		91.2	296.9	9.87	321.7	11.71	350.2	13.64	380.6	15.38	391.9	15.77	407.3	16.16	418.6	16.45
		114.0	296.9	9.69	321.7	11.53	350.2	13.43	380.6	15.17	391.9	15.52	407.3	15.94	418.6	16.16
		136.8	296.9	9.50	321.7	11.34	350.2	13.21	380.6	14.95	391.9	15.26	407.3	15.72	418.6	15.87
	67	36.6	295.4	13.43	319.8	15.64	348.4	18.19	378.8	20.50	390.0	21.00	405.0	21.48	416.7	21.87
		53.4	295.4	13.16	319.8	15.38	348.4	17.90	378.8	20.17	390.0	20.66	405.0	21.14	416.7	21.53
		91.2	295.4	12.09	319.8	14.37	348.4	16.74	378.8	18.87	390.0	19.30	405.0	19.79	416.7	20.17
		114.0	295.4	11.88	319.8	14.15	348.4	16.49	378.8	18.58	390.0	19.05	405.0	19.54	416.7	19.81
		136.8	295.4	11.66	319.8	13.93	348.4	16.23	378.8	18.28	390.0	18.79	405.0	19.28	416.7	19.44
	75	36.6	295.4	16.43	319.8	19.12	348.4	22.27	378.8	25.07	390.0	25.65	405.0	26.30	416.7	26.78
		53.4	295.4	16.11	319.8	18.82	348.4	21.91	378.8	24.67	390.0	25.25	405.0	25.88	416.7	26.36
		91.2	295.4	14.85	319.8	17.61	348.4	20.51	378.8	23.07	390.0	23.66	405.0	24.24	416.7	24.72
		114.0	295.4	14.53	319.8	17.32	348.4	20.19	378.8	22.75	390.0	23.30	405.0	23.91	416.7	24.25
		136.8	295.4	14.20	319.8	17.03	348.4	19.86	378.8	22.42	390.0	22.93	405.0	23.58	416.7	23.77
	86	36.6	295.4	20.03	319.8	23.31	348.4	27.14	378.8	30.59	390.0	31.32	405.0	32.04	416.7	32.63
		53.4	295.4	19.64	319.8	22.93	348.4	26.70	378.8	30.09	390.0	30.81	405.0	31.54	416.7	32.12
		91.2	295.4	18.09	319.8	21.43	348.4	24.96	378.8	28.11	390.0	28.83	405.0	29.56	416.7	30.09
		114.0	295.4	17.73	319.8	21.11	348.4	24.60	378.8	27.71	390.0	28.40	405.0	29.12	416.7	29.55
		136.8	295.4	17.36	319.8	20.78	348.4	24.23	378.8	27.31	390.0	27.96	405.0	28.68	416.7	29.00
	95	36.6	275.2	20.88	298.1	24.24	324.7	28.22	352.9	31.81	363.4	32.55	377.6	33.32	388.2	33.96
		53.4	275.2	20.46	298.1	23.85	324.7	27.77	352.9	31.30	363.4	32.02	377.6	32.80	388.2	33.43
		91.2	275.2	18.82	298.1	22.30	324.7	25.98	352.9	29.27	363.4	29.94	377.6	30.72	388.2	31.30
		114.0	275.2	18.42	298.1	21.94	324.7	25.58	352.9	28.83	363.4	29.54	377.6	30.28	388.2	30.72
		136.8	275.2	18.02	298.1	21.57	324.7	25.18	352.9	28.39	363.4	29.14	377.6	29.84	388.2	30.13

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA



ARWM360BAS5

360,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	36.6	254.9	22.90	276.3	26.66	300.7	31.03	327.0	34.91	336.7	35.74	349.9	36.61	359.6	37.30
		53.4	254.9	22.45	276.3	26.22	300.7	30.52	327.0	34.35	336.7	35.17	349.9	36.04	359.6	36.72
		91.2	254.9	20.66	276.3	24.48	300.7	28.54	327.0	32.12	336.7	32.89	349.9	33.77	359.6	34.39
		114.0	254.9	20.22	276.3	24.08	300.7	28.11	327.0	31.65	336.7	32.46	349.9	33.30	359.6	33.74
		136.8	254.9	19.78	276.3	23.68	300.7	27.67	327.0	31.17	336.7	32.02	349.9	32.82	359.6	33.08
	113	36.6	234.6	24.92	254.5	29.08	276.7	33.83	301.1	38.00	310.1	38.94	322.1	39.90	331.1	40.64
		53.4	234.6	24.43	254.5	28.59	276.7	33.28	301.1	37.39	310.1	38.31	322.1	39.28	331.1	40.01
		91.2	234.6	22.49	254.5	26.65	276.7	31.10	301.1	34.97	310.1	35.85	322.1	36.81	331.1	37.49
		114.0	234.6	22.02	254.5	26.22	276.7	30.63	301.1	34.47	310.1	35.38	322.1	36.30	331.1	36.77
		136.8	234.6	21.55	254.5	25.78	276.7	30.16	301.1	33.96	310.1	34.90	322.1	35.79	331.1	36.04
100	50	36.6	280.8	7.74	304.1	9.00	331.1	10.33	360.0	11.78	370.9	11.94	385.2	12.35	396.0	12.58
		53.4	280.8	7.59	304.1	8.85	331.1	10.18	360.0	11.59	370.9	11.77	385.2	12.15	396.0	12.38
		91.2	280.8	6.98	304.1	8.24	331.1	9.58	360.0	10.85	370.9	11.08	385.2	11.36	396.0	11.59
		114.0	280.8	6.81	304.1	8.10	331.1	9.41	360.0	10.67	370.9	10.90	385.2	11.18	396.0	11.31
		136.8	280.8	6.63	304.1	7.95	331.1	9.23	360.0	10.49	370.9	10.72	385.2	11.00	396.0	11.02
	59	36.6	280.8	10.46	304.1	12.14	331.1	14.10	360.0	15.93	370.9	16.27	385.2	16.72	396.0	17.01
		53.4	280.8	10.26	304.1	11.95	331.1	13.88	360.0	15.67	370.9	16.01	385.2	16.45	396.0	16.74
		91.2	280.8	9.43	304.1	11.17	331.1	13.01	360.0	14.66	370.9	15.00	385.2	15.38	396.0	15.67
		114.0	280.8	9.22	304.1	10.99	331.1	12.80	360.0	14.44	370.9	14.78	385.2	15.17	396.0	15.35
		136.8	280.8	9.00	304.1	10.81	331.1	12.58	360.0	14.22	370.9	14.56	385.2	14.95	396.0	15.02
	67	36.6	280.8	12.88	304.1	14.94	331.1	17.45	360.0	19.62	370.9	20.11	385.2	20.60	396.0	20.94
		53.4	280.8	12.63	304.1	14.71	331.1	17.17	360.0	19.30	370.9	19.79	385.2	20.27	396.0	20.61
		91.2	280.8	11.61	304.1	13.79	331.1	16.06	360.0	18.04	370.9	18.48	385.2	18.96	396.0	19.30
		114.0	280.8	11.36	304.1	13.57	331.1	15.81	360.0	17.79	370.9	18.23	385.2	18.71	396.0	18.94
		136.8	280.8	11.10	304.1	13.35	331.1	15.55	360.0	17.53	370.9	17.97	385.2	18.45	396.0	18.57
	75	36.6	280.8	15.69	304.1	18.24	331.1	21.24	360.0	23.95	370.9	24.54	385.2	25.12	396.0	25.56
		53.4	280.8	15.38	304.1	17.95	331.1	20.90	360.0	23.56	370.9	24.14	385.2	24.72	396.0	25.15
		91.2	280.8	14.17	304.1	16.79	331.1	19.54	360.0	22.01	370.9	22.54	385.2	23.12	396.0	23.56
		114.0	280.8	13.88	304.1	16.54	331.1	19.25	360.0	21.69	370.9	22.22	385.2	22.80	396.0	23.09
		136.8	280.8	13.59	304.1	16.28	331.1	18.96	360.0	21.36	370.9	21.89	385.2	22.47	396.0	22.61
	86	36.6	280.8	19.29	304.1	22.47	331.1	26.16	360.0	29.45	370.9	30.14	385.2	30.87	396.0	31.46
		53.4	280.8	18.91	304.1	22.11	331.1	25.74	360.0	28.98	370.9	29.65	385.2	30.38	396.0	30.96
		91.2	280.8	17.41	304.1	20.66	331.1	24.04	360.0	27.09	370.9	27.72	385.2	28.44	396.0	28.98
		114.0	280.8	17.05	304.1	20.33	331.1	23.68	360.0	26.69	370.9	27.36	385.2	28.04	396.0	28.40
		136.8	280.8	16.69	304.1	20.00	331.1	23.31	360.0	26.29	370.9	26.99	385.2	27.64	396.0	27.81
	95	36.6	266.9	20.38	289.1	23.70	314.6	27.58	342.0	31.07	352.1	31.81	366.0	32.59	376.1	33.18
		53.4	266.9	19.98	289.1	23.32	314.6	27.14	342.0	30.57	352.1	31.30	366.0	32.07	376.1	32.65
		91.2	266.9	18.38	289.1	21.82	314.6	25.40	342.0	28.59	352.1	29.27	366.0	30.04	376.1	30.57
		114.0	266.9	18.02	289.1	21.46	314.6	25.00	342.0	28.19	352.1	28.87	366.0	29.61	376.1	29.96
		136.8	266.9	17.65	289.1	21.09	314.6	24.60	342.0	27.79	352.1	28.47	366.0	29.17	376.1	29.34
	104	36.6	252.6	22.91	273.7	26.60	298.1	30.98	324.0	34.86	333.7	35.69	346.9	36.58	356.2	37.21
		53.4	252.6	22.45	273.7	26.17	298.1	30.48	324.0	34.30	333.7	35.12	346.9	35.99	356.2	36.62
		91.2	252.6	20.61	273.7	24.48	298.1	28.49	324.0	32.07	333.7	32.85	346.9	33.67	356.2	34.30
		114.0	252.6	20.21	273.7	24.08	298.1	28.06	324.0	31.60	333.7	32.38	346.9	33.20	356.2	33.61
		136.8	252.6	19.81	273.7	23.68	298.1	27.62	324.0	31.13	333.7	31.90	346.9	32.72	356.2	32.92
	113	36.6	238.4	25.44	258.3	29.50	281.5	34.38	305.9	38.65	315.3	39.58	327.7	40.57	336.4	41.23
		53.4	238.4	24.91	258.3	29.02	281.5	33.81	305.9	38.02	315.3	38.94	327.7	39.91	336.4	40.59
		91.2	238.4	22.83	258.3	27.14	281.5	31.59	305.9	35.56	315.3	36.43	327.7	37.30	336.4	38.02
		114.0	238.4	22.40	258.3	26.70	281.5	31.12	305.9	35.01	315.3	35.88	327.7	36.79	336.4	37.26
		136.8	238.4	21.96	258.3	26.26	281.5	30.64	305.9	34.46	315.3	35.33	327.7	36.28	336.4	36.49
90	50	36.6	252.6	6.58	273.7	7.64	298.1	8.93	324.0	10.11	333.7	10.29	346.9	10.51	356.2	10.84
		53.4	252.6	6.46	273.7	7.53	298.1	8.79	324.0	9.96	333.7	10.14	346.9	10.37	356.2	10.66
		91.2	252.6	6.00	273.7	7.12	298.1	8.24	324.0	9.36	333.7	9.54	346.9	9.83	356.2	9.96
		114.0	252.6	5.86	273.7	6.94	298.1	8.14	324.0	9.14	333.7	9.40	346.9	9.69	356.2	9.71
		136.8	252.6	5.72	273.7	6.76	298.1	8.03	324.0	8.92	333.7	9.26	346.9	9.54	356.2	9.46

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	36.6	252.6	8.98	273.7	10.41	298.1	12.14	324.0	13.72	333.7	14.01	346.9	14.35	356.2	14.65
		53.4	252.6	8.80	273.7	10.26	298.1	11.95	324.0	13.50	333.7	13.79	346.9	14.13	356.2	14.42
		91.2	252.6	8.13	273.7	9.63	298.1	11.17	324.0	12.63	333.7	12.92	346.9	13.25	356.2	13.50
		114.0	252.6	7.95	273.7	9.45	298.1	11.03	324.0	12.41	333.7	12.74	346.9	13.07	356.2	13.21
		136.8	252.6	7.76	273.7	9.26	298.1	10.88	324.0	12.19	333.7	12.55	346.9	12.89	356.2	12.91
	67	36.6	252.6	11.10	273.7	12.88	298.1	15.00	324.0	16.92	333.7	17.31	346.9	17.76	356.2	18.03
		53.4	252.6	10.88	273.7	12.67	298.1	14.75	324.0	16.64	333.7	17.03	346.9	17.46	356.2	17.75
		91.2	252.6	10.01	273.7	11.85	298.1	13.79	324.0	15.53	333.7	15.92	346.9	16.30	356.2	16.64
		114.0	252.6	9.80	273.7	11.67	298.1	13.61	324.0	15.31	333.7	15.70	346.9	16.09	356.2	16.32
		136.8	252.6	9.58	273.7	11.49	298.1	13.42	324.0	15.09	333.7	15.48	346.9	15.87	356.2	15.99
	75	36.6	252.6	13.52	273.7	15.74	298.1	18.29	324.0	20.60	333.7	21.09	346.9	21.63	356.2	22.03
		53.4	252.6	13.25	273.7	15.48	298.1	18.00	324.0	20.27	333.7	20.75	346.9	21.28	356.2	21.67
		91.2	252.6	12.19	273.7	14.46	298.1	16.83	324.0	18.96	333.7	19.40	346.9	19.93	356.2	20.27
		114.0	252.6	11.94	273.7	14.21	298.1	16.58	324.0	18.67	333.7	19.15	346.9	19.64	356.2	19.87
		136.8	252.6	11.68	273.7	13.95	298.1	16.32	324.0	18.38	333.7	18.89	346.9	19.35	356.2	19.47
	86	36.6	252.6	16.63	273.7	19.33	298.1	22.52	324.0	25.38	333.7	25.96	346.9	26.60	356.2	27.09
		53.4	252.6	16.30	273.7	19.01	298.1	22.16	324.0	24.96	333.7	25.54	346.9	26.17	356.2	26.65
		91.2	252.6	15.00	273.7	17.75	298.1	20.70	324.0	23.32	333.7	23.90	346.9	24.48	356.2	24.91
		114.0	252.6	14.67	273.7	17.50	298.1	20.38	324.0	22.99	333.7	23.54	346.9	24.15	356.2	24.44
		136.8	252.6	14.34	273.7	17.24	298.1	20.05	324.0	22.66	333.7	23.17	346.9	23.82	356.2	23.97
	95	36.6	245.9	17.97	266.2	20.85	289.8	24.29	315.0	27.34	324.3	27.98	337.1	28.65	346.5	29.20
		53.4	245.9	17.61	266.2	20.51	289.8	23.90	315.0	26.90	324.3	27.52	337.1	28.20	346.5	28.73
		91.2	245.9	16.16	266.2	19.16	289.8	22.35	315.0	25.15	324.3	25.74	337.1	26.41	346.5	26.90
		114.0	245.9	15.83	266.2	18.87	289.8	21.99	315.0	24.79	324.3	25.41	337.1	26.05	346.5	26.35
		136.8	245.9	15.50	266.2	18.57	289.8	21.62	315.0	24.43	324.3	25.08	337.1	25.68	346.5	25.80
	104	36.6	238.7	20.64	258.6	23.95	281.5	27.87	305.9	31.42	315.3	32.15	327.3	32.94	336.7	33.52
		53.4	238.7	20.22	258.6	23.56	281.5	27.43	305.9	30.91	315.3	31.64	327.3	32.41	336.7	32.99
		91.2	238.7	18.58	258.6	22.01	281.5	25.69	305.9	28.88	315.3	29.61	327.3	30.33	336.7	30.91
		114.0	238.7	18.18	258.6	21.69	281.5	25.29	305.9	28.48	315.3	29.17	327.3	29.93	336.7	30.29
		136.8	238.7	17.78	258.6	21.36	281.5	24.89	305.9	28.08	315.3	28.73	327.3	29.53	336.7	29.67
	113	36.6	231.6	23.30	251.1	27.05	273.3	31.45	296.9	35.51	306.3	36.32	317.6	37.22	327.0	37.83
		53.4	231.6	22.83	251.1	26.61	273.3	30.96	296.9	34.93	306.3	35.75	317.6	36.62	327.0	37.25
		91.2	231.6	20.99	251.1	24.86	273.3	29.02	296.9	32.60	306.3	33.48	317.6	34.25	327.0	34.93
		114.0	231.6	20.52	251.1	24.50	273.3	28.59	296.9	32.17	306.3	32.93	317.6	33.82	327.0	34.24
		136.8	231.6	20.05	251.1	24.14	273.3	28.15	296.9	31.73	306.3	32.38	317.6	33.38	327.0	33.54
80	50	36.6	224.5	5.63	243.3	6.40	265.0	7.45	287.9	8.54	296.6	8.64	308.2	8.90	316.8	8.97
		53.4	224.5	5.50	243.3	6.32	265.0	7.35	287.9	8.38	296.6	8.51	308.2	8.75	316.8	8.83
		91.2	224.5	4.98	243.3	6.01	265.0	6.94	287.9	7.77	296.6	8.01	308.2	8.14	316.8	8.28
		114.0	224.5	4.95	243.3	5.87	265.0	6.84	287.9	7.67	296.6	7.83	308.2	8.04	316.8	8.15
		136.8	224.5	4.92	243.3	5.72	265.0	6.73	287.9	7.56	296.6	7.64	308.2	7.93	316.8	8.01
	59	36.6	224.5	7.56	243.3	8.75	265.0	10.17	287.9	11.52	296.6	11.74	308.2	12.05	316.8	12.24
		53.4	224.5	7.40	243.3	8.61	265.0	10.01	287.9	11.32	296.6	11.56	308.2	11.85	316.8	12.05
		91.2	224.5	6.77	243.3	8.08	265.0	9.38	287.9	10.55	296.6	10.84	308.2	11.08	316.8	11.27
		114.0	224.5	6.66	243.3	7.94	265.0	9.24	287.9	10.40	296.6	10.66	308.2	10.94	316.8	11.05
		136.8	224.5	6.55	243.3	7.79	265.0	9.09	287.9	10.25	296.6	10.47	308.2	10.79	316.8	10.83
	67	36.6	224.5	9.28	243.3	10.83	265.0	12.59	287.9	14.16	296.6	14.50	308.2	14.84	316.8	15.14
		53.4	224.5	9.09	243.3	10.64	265.0	12.38	287.9	13.93	296.6	14.27	308.2	14.61	316.8	14.90
		91.2	224.5	8.37	243.3	9.92	265.0	11.56	287.9	13.01	296.6	13.35	308.2	13.69	316.8	13.93
		114.0	224.5	8.19	243.3	9.78	265.0	11.38	287.9	12.83	296.6	13.17	308.2	13.51	316.8	13.64
		136.8	224.5	8.00	243.3	9.63	265.0	11.20	287.9	12.65	296.6	12.99	308.2	13.33	316.8	13.35
	75	36.6	224.5	11.36	243.3	13.18	265.0	15.34	287.9	17.25	296.6	17.71	308.2	18.14	316.8	18.43
		53.4	224.5	11.13	243.3	12.96	265.0	15.09	287.9	16.98	296.6	17.41	308.2	17.85	316.8	18.14
		91.2	224.5	10.21	243.3	12.09	265.0	14.13	287.9	15.92	296.6	16.25	308.2	16.69	316.8	16.98
		114.0	224.5	9.99	243.3	11.91	265.0	13.91	287.9	15.67	296.6	16.04	308.2	16.47	316.8	16.65
		136.8	224.5	9.77	243.3	11.73	265.0	13.69	287.9	15.41	296.6	15.82	308.2	16.25	316.8	16.32

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM360BAS5

360,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	86	36.6	224.5	13.91	243.3	16.17	265.0	18.88	287.9	21.24	296.6	21.72	308.2	22.27	316.8	22.72
		53.4	224.5	13.64	243.3	15.92	265.0	18.58	287.9	20.90	296.6	21.38	308.2	21.91	316.8	22.35
		91.2	224.5	12.58	243.3	14.90	265.0	17.37	287.9	19.54	296.6	20.03	308.2	20.51	316.8	20.90
		114.0	224.5	12.33	243.3	14.65	265.0	17.08	287.9	19.25	296.6	19.74	308.2	20.22	316.8	20.50
		136.8	224.5	12.07	243.3	14.39	265.0	16.78	287.9	18.96	296.6	19.44	308.2	19.93	316.8	20.10
	95	36.6	224.5	15.49	243.3	18.00	265.0	20.94	287.9	23.60	296.6	24.19	308.2	24.78	316.8	25.22
		53.4	224.5	15.19	243.3	17.70	265.0	20.61	287.9	23.22	296.6	23.80	308.2	24.38	316.8	24.82
		91.2	224.5	13.98	243.3	16.54	265.0	19.30	287.9	21.72	296.6	22.25	308.2	22.78	316.8	23.22
		114.0	224.5	13.69	243.3	16.29	265.0	19.01	287.9	21.40	296.6	21.93	308.2	22.49	316.8	22.75
		136.8	224.5	13.40	243.3	16.03	265.0	18.72	287.9	21.07	296.6	21.60	308.2	22.20	316.8	22.27
	104	36.6	224.5	18.36	243.3	21.35	265.0	24.83	287.9	27.98	296.6	28.62	308.2	29.36	316.8	29.84
		53.4	224.5	18.00	243.3	20.99	265.0	24.43	287.9	27.52	296.6	28.15	308.2	28.88	316.8	29.36
		91.2	224.5	16.54	243.3	19.59	265.0	22.83	287.9	25.74	296.6	26.32	308.2	26.99	316.8	27.48
		114.0	224.5	16.18	243.3	19.30	265.0	22.47	287.9	25.34	296.6	25.96	308.2	26.63	316.8	26.94
		136.8	224.5	15.82	243.3	19.01	265.0	22.11	287.9	24.93	296.6	25.59	308.2	26.27	316.8	26.39
	113	36.6	224.5	21.23	243.3	24.70	265.0	28.73	287.9	32.36	296.6	33.05	308.2	33.93	316.8	34.46
		53.4	224.5	20.80	243.3	24.28	265.0	28.25	287.9	31.83	296.6	32.51	308.2	33.38	316.8	33.91
		91.2	224.5	19.11	243.3	22.64	265.0	26.36	287.9	29.75	296.6	30.38	308.2	31.20	316.8	31.73
		114.0	224.5	18.67	243.3	22.31	265.0	25.93	287.9	29.28	296.6	29.98	308.2	30.77	316.8	31.12
		136.8	224.5	18.23	243.3	21.98	265.0	25.49	287.9	28.80	296.6	29.58	308.2	30.33	316.8	30.50
70	50	36.6	196.7	4.59	212.8	5.35	232.0	6.18	251.9	6.97	259.4	7.24	269.5	7.43	277.0	7.45
		53.4	196.7	4.51	212.8	5.25	232.0	6.09	251.9	6.88	259.4	7.12	269.5	7.31	277.0	7.35
		91.2	196.7	4.19	212.8	4.88	232.0	5.72	251.9	6.52	259.4	6.66	269.5	6.84	277.0	6.94
		114.0	196.7	4.12	212.8	4.81	232.0	5.65	251.9	6.38	259.4	6.52	269.5	6.70	277.0	6.80
		136.8	196.7	4.05	212.8	4.74	232.0	5.58	251.9	6.23	259.4	6.37	269.5	6.55	277.0	6.65
	59	36.6	196.7	6.27	212.8	7.28	232.0	8.45	251.9	9.53	259.4	9.79	269.5	10.03	277.0	10.17
		53.4	196.7	6.14	212.8	7.16	232.0	8.32	251.9	9.38	259.4	9.63	269.5	9.87	277.0	10.01
		91.2	196.7	5.66	212.8	6.68	232.0	7.79	251.9	8.80	259.4	9.00	269.5	9.24	277.0	9.38
		114.0	196.7	5.55	212.8	6.57	232.0	7.68	251.9	8.66	259.4	8.86	269.5	9.10	277.0	9.20
		136.8	196.7	5.44	212.8	6.46	232.0	7.57	251.9	8.51	259.4	8.71	269.5	8.95	277.0	9.02
	67	36.6	196.7	7.75	212.8	9.00	232.0	10.47	251.9	11.81	259.4	12.05	269.5	12.34	277.0	12.59
		53.4	196.7	7.59	212.8	8.85	232.0	10.30	251.9	11.61	259.4	11.85	269.5	12.14	277.0	12.38
		91.2	196.7	6.97	212.8	8.27	232.0	9.63	251.9	10.84	259.4	11.08	269.5	11.37	277.0	11.56
		114.0	196.7	6.82	212.8	8.13	232.0	9.49	251.9	10.69	259.4	10.94	269.5	11.23	277.0	11.34
		136.8	196.7	6.67	212.8	7.98	232.0	9.34	251.9	10.54	259.4	10.79	269.5	11.08	277.0	11.12
	75	36.6	196.7	9.42	212.8	10.97	232.0	12.72	251.9	14.36	259.4	14.70	269.5	15.03	277.0	15.34
		53.4	196.7	9.24	212.8	10.79	232.0	12.53	251.9	14.13	259.4	14.46	269.5	14.80	277.0	15.09
		91.2	196.7	8.51	212.8	10.06	232.0	11.75	251.9	13.21	259.4	13.54	269.5	13.88	277.0	14.13
		114.0	196.7	8.33	212.8	9.92	232.0	11.57	251.9	13.03	259.4	13.33	269.5	13.67	277.0	13.84
		136.8	196.7	8.15	212.8	9.77	232.0	11.39	251.9	12.84	259.4	13.11	269.5	13.45	277.0	13.54
	86	36.6	196.7	11.60	212.8	13.47	232.0	15.69	251.9	17.65	259.4	18.09	269.5	18.53	277.0	18.88
		53.4	196.7	11.37	212.8	13.25	232.0	15.43	251.9	17.37	259.4	17.80	269.5	18.24	277.0	18.58
		91.2	196.7	10.45	212.8	12.38	232.0	14.42	251.9	16.25	259.4	16.64	269.5	17.08	277.0	17.37
		114.0	196.7	10.23	212.8	12.20	232.0	14.20	251.9	16.00	259.4	16.42	269.5	16.83	277.0	17.04
		136.8	196.7	10.01	212.8	12.02	232.0	13.98	251.9	15.74	259.4	16.20	269.5	16.57	277.0	16.71
	95	36.6	196.7	12.88	212.8	14.94	232.0	17.47	251.9	19.62	259.4	20.11	269.5	20.60	277.0	20.94
		53.4	196.7	12.63	212.8	14.71	232.0	17.17	251.9	19.30	259.4	19.79	269.5	20.27	277.0	20.61
		91.2	196.7	11.61	212.8	13.79	232.0	16.01	251.9	18.04	259.4	18.48	269.5	18.96	277.0	19.30
		114.0	196.7	11.36	212.8	13.54	232.0	15.80	251.9	17.79	259.4	18.23	269.5	18.71	277.0	18.94
		136.8	196.7	11.10	212.8	13.28	232.0	15.58	251.9	17.53	259.4	17.97	269.5	18.45	277.0	18.57
	104	36.6	196.7	15.25	212.8	17.70	232.0	20.65	251.9	23.26	259.4	23.79	269.5	24.38	277.0	24.82
		53.4	196.7	14.95	212.8	17.41	232.0	20.32	251.9	22.88	259.4	23.41	269.5	23.99	277.0	24.43
		91.2	196.7	13.74	212.8	16.30	232.0	19.01	251.9	21.38	259.4	21.91	269.5	22.45	277.0	22.88
		114.0	196.7	13.45	212.8	16.05	232.0	18.69	251.9	21.06	259.4	21.59	269.5	22.16	277.0	22.41
		136.8	196.7	13.16	212.8	15.79	232.0	18.36	251.9	20.73	259.4	21.26	269.5	21.86	277.0	21.94

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	36.6	196.7	17.62	212.8	20.45	232.0	23.83	251.9	26.90	259.4	27.47	269.5	28.17	277.0	28.70
		53.4	196.7	17.27	212.8	20.12	232.0	23.46	251.9	26.46	259.4	27.04	269.5	27.72	277.0	28.25
		91.2	196.7	15.87	212.8	18.82	232.0	22.01	251.9	24.72	259.4	25.35	269.5	25.93	277.0	26.46
		114.0	196.7	15.54	212.8	18.57	232.0	21.58	251.9	24.32	259.4	24.95	269.5	25.60	277.0	25.88
		136.8	196.7	15.21	212.8	18.31	232.0	21.14	251.9	23.92	259.4	24.55	269.5	25.27	277.0	25.30
60	50	36.6	168.6	3.65	182.4	4.25	198.6	4.89	215.8	5.63	222.6	5.78	231.2	5.85	237.6	5.94
		53.4	168.6	3.58	182.4	4.18	198.6	4.83	215.8	5.54	222.6	5.68	231.2	5.77	237.6	5.86
		91.2	168.6	3.30	182.4	3.91	198.6	4.61	215.8	5.16	222.6	5.25	231.2	5.45	237.6	5.54
		114.0	168.6	3.19	182.4	3.88	198.6	4.54	215.8	5.10	222.6	5.19	231.2	5.34	237.6	5.44
		136.8	168.6	3.08	182.4	3.84	198.6	4.47	215.8	5.03	222.6	5.12	231.2	5.23	237.6	5.33
	59	36.6	168.6	4.98	182.4	5.81	198.6	6.73	215.8	7.62	222.6	7.83	231.2	7.96	237.6	8.10
		53.4	168.6	4.89	182.4	5.71	198.6	6.63	215.8	7.50	222.6	7.69	231.2	7.84	237.6	7.98
		91.2	168.6	4.50	182.4	5.32	198.6	6.24	215.8	7.01	222.6	7.16	231.2	7.35	237.6	7.50
		114.0	168.6	4.39	182.4	5.25	198.6	6.13	215.8	6.91	222.6	7.05	231.2	7.24	237.6	7.36
		136.8	168.6	4.28	182.4	5.18	198.6	6.02	215.8	6.80	222.6	6.94	231.2	7.13	237.6	7.21
	67	36.6	168.6	6.17	182.4	7.18	198.6	8.36	215.8	9.39	222.6	9.64	231.2	9.83	237.6	10.03
		53.4	168.6	6.05	182.4	7.06	198.6	8.22	215.8	9.24	222.6	9.48	231.2	9.67	237.6	9.87
		91.2	168.6	5.56	182.4	6.58	198.6	7.69	215.8	8.66	222.6	8.85	231.2	9.05	237.6	9.24
		114.0	168.6	5.45	182.4	6.47	198.6	7.55	215.8	8.52	222.6	8.71	231.2	8.94	237.6	9.06
		136.8	168.6	5.34	182.4	6.36	198.6	7.40	215.8	8.37	222.6	8.56	231.2	8.83	237.6	8.88
	75	36.6	168.6	7.50	182.4	8.76	198.6	10.18	215.8	11.45	222.6	11.70	231.2	11.99	237.6	12.24
		53.4	168.6	7.35	182.4	8.61	198.6	10.01	215.8	11.27	222.6	11.51	231.2	11.80	237.6	12.05
		91.2	168.6	6.77	182.4	8.03	198.6	9.34	215.8	10.55	222.6	10.79	231.2	11.08	237.6	11.27
		114.0	168.6	6.63	182.4	7.89	198.6	9.20	215.8	10.37	222.6	10.65	231.2	10.90	237.6	11.05
		136.8	168.6	6.48	182.4	7.74	198.6	9.05	215.8	10.18	222.6	10.50	231.2	10.71	237.6	10.83
	86	36.6	168.6	9.23	182.4	10.72	198.6	12.48	215.8	14.05	222.6	14.41	231.2	14.74	237.6	15.05
		53.4	168.6	9.05	182.4	10.55	198.6	12.29	215.8	13.84	222.6	14.17	231.2	14.51	237.6	14.80
		91.2	168.6	8.32	182.4	9.87	198.6	11.51	215.8	12.96	222.6	13.25	231.2	13.59	237.6	13.84
		114.0	168.6	8.14	182.4	9.73	198.6	11.33	215.8	12.78	222.6	13.07	231.2	13.41	237.6	13.59
		136.8	168.6	7.96	182.4	9.58	198.6	11.15	215.8	12.60	222.6	12.89	231.2	13.23	237.6	13.33
	95	36.6	168.6	10.27	182.4	11.95	198.6	13.92	215.8	15.63	222.6	16.03	231.2	16.43	237.6	16.72
		53.4	168.6	10.06	182.4	11.75	198.6	13.69	215.8	15.38	222.6	15.77	231.2	16.16	237.6	16.45
		91.2	168.6	9.24	182.4	10.98	198.6	12.77	215.8	14.42	222.6	14.75	231.2	15.09	237.6	15.38
		114.0	168.6	9.06	182.4	10.80	198.6	12.59	215.8	14.20	222.6	14.54	231.2	14.91	237.6	15.09
		136.8	168.6	8.88	182.4	10.62	198.6	12.41	215.8	13.98	222.6	14.32	231.2	14.73	237.6	14.80
	104	36.6	168.6	12.13	182.4	14.10	198.6	16.47	215.8	18.54	222.6	18.98	231.2	19.41	237.6	19.81
		53.4	168.6	11.90	182.4	13.88	198.6	16.21	215.8	18.24	222.6	18.67	231.2	19.11	237.6	19.49
		91.2	168.6	10.98	182.4	13.01	198.6	15.14	215.8	17.03	222.6	17.46	231.2	17.90	237.6	18.24
		114.0	168.6	10.73	182.4	12.80	198.6	14.92	215.8	16.78	222.6	17.21	231.2	17.65	237.6	17.88
		136.8	168.6	10.47	182.4	12.58	198.6	14.70	215.8	16.52	222.6	16.95	231.2	17.39	237.6	17.51
	113	36.6	168.6	13.99	182.4	16.26	198.6	19.03	215.8	21.46	222.6	21.93	231.2	22.40	237.6	22.91
		53.4	168.6	13.74	182.4	16.01	198.6	18.72	215.8	21.09	222.6	21.57	231.2	22.06	237.6	22.54
		91.2	168.6	12.72	182.4	15.04	198.6	17.51	215.8	19.64	222.6	20.17	231.2	20.70	237.6	21.09
		114.0	168.6	12.40	182.4	14.79	198.6	17.26	215.8	19.35	222.6	19.88	231.2	20.38	237.6	20.66
		136.8	168.6	12.07	182.4	14.54	198.6	17.00	215.8	19.06	222.6	19.59	231.2	20.05	237.6	20.22
50	50	36.6	140.4	2.71	152.0	3.16	165.5	3.80	180.2	4.15	185.4	4.23	192.6	4.41	197.8	4.44
		53.4	140.4	2.65	152.0	3.11	165.5	3.73	180.2	4.09	185.4	4.18	192.6	4.33	197.8	4.37
		91.2	140.4	2.41	152.0	2.93	165.5	3.45	180.2	3.86	185.4	4.01	192.6	4.00	197.8	4.09
		114.0	140.4	2.38	152.0	2.94	165.5	3.38	180.2	3.79	185.4	3.86	192.6	3.97	197.8	3.99
		136.8	140.4	2.35	152.0	2.94	165.5	3.30	180.2	3.72	185.4	3.71	192.6	3.93	197.8	3.88
	59	36.6	140.4	3.70	152.0	4.33	165.5	5.07	180.2	5.65	185.4	5.79	192.6	5.95	197.8	6.05
		53.4	140.4	3.63	152.0	4.26	165.5	4.98	180.2	5.56	185.4	5.71	192.6	5.85	197.8	5.95
		91.2	140.4	3.34	152.0	3.97	165.5	4.64	180.2	5.22	185.4	5.37	192.6	5.47	197.8	5.56
		114.0	140.4	3.27	152.0	3.93	165.5	4.57	180.2	5.15	185.4	5.26	192.6	5.40	197.8	5.45
		136.8	140.4	3.19	152.0	3.89	165.5	4.50	180.2	5.08	185.4	5.15	192.6	5.32	197.8	5.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

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# COOLING CAPACITY DATA



ARWM360BAS5

360,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	67	36.6	140.4	4.58	152.0	5.37	165.5	6.19	180.2	6.98	185.4	7.18	192.6	7.32	197.8	7.48
		53.4	140.4	4.50	152.0	5.27	165.5	6.10	180.2	6.87	185.4	7.06	192.6	7.21	197.8	7.35
		91.2	140.4	4.16	152.0	4.89	165.5	5.71	180.2	6.43	185.4	6.58	192.6	6.77	197.8	6.87
		114.0	140.4	4.05	152.0	4.82	165.5	5.64	180.2	6.36	185.4	6.51	192.6	6.66	197.8	6.76
		136.8	140.4	3.94	152.0	4.74	165.5	5.56	180.2	6.29	185.4	6.43	192.6	6.55	197.8	6.65
	75	36.6	140.4	5.58	152.0	6.48	165.5	7.57	180.2	8.56	185.4	8.76	192.6	8.95	197.8	9.08
		53.4	140.4	5.47	152.0	6.39	165.5	7.45	180.2	8.42	185.4	8.61	192.6	8.80	197.8	8.95
		91.2	140.4	5.03	152.0	6.00	165.5	6.97	180.2	7.84	185.4	8.03	192.6	8.22	197.8	8.42
		114.0	140.4	4.92	152.0	5.89	165.5	6.86	180.2	7.73	185.4	7.92	192.6	8.12	197.8	8.24
		136.8	140.4	4.81	152.0	5.78	165.5	6.75	180.2	7.62	185.4	7.81	192.6	8.01	197.8	8.05
	86	36.6	140.4	6.92	152.0	8.02	165.5	9.35	180.2	10.52	185.4	10.78	192.6	11.01	197.8	11.21
		53.4	140.4	6.77	152.0	7.89	165.5	9.19	180.2	10.35	185.4	10.59	192.6	10.84	197.8	11.03
		91.2	140.4	6.19	152.0	7.35	165.5	8.56	180.2	9.67	185.4	9.87	192.6	10.16	197.8	10.30
		114.0	140.4	6.08	152.0	7.24	165.5	8.45	180.2	9.53	185.4	9.76	192.6	10.02	197.8	10.12
		136.8	140.4	5.97	152.0	7.13	165.5	8.34	180.2	9.38	185.4	9.65	192.6	9.87	197.8	9.94
	95	36.6	140.4	7.64	152.0	8.90	165.5	10.38	180.2	11.65	185.4	11.95	192.6	12.24	197.8	12.43
		53.4	140.4	7.50	152.0	8.76	165.5	10.21	180.2	11.46	185.4	11.75	192.6	12.05	197.8	12.24
		91.2	140.4	6.92	152.0	8.18	165.5	9.53	180.2	10.74	185.4	10.98	192.6	11.27	197.8	11.46
		114.0	140.4	6.78	152.0	8.07	165.5	9.39	180.2	10.60	185.4	10.84	192.6	11.13	197.8	11.25
		136.8	140.4	6.63	152.0	7.96	165.5	9.24	180.2	10.45	185.4	10.69	192.6	10.98	197.8	11.03
	104	36.6	140.4	9.08	152.0	10.52	165.5	12.30	180.2	13.81	185.4	14.16	192.6	14.50	197.8	14.74
		53.4	140.4	8.90	152.0	10.35	165.5	12.09	180.2	13.59	185.4	13.93	192.6	14.27	197.8	14.51
		91.2	140.4	8.18	152.0	9.67	165.5	11.27	180.2	12.72	185.4	13.01	192.6	13.35	197.8	13.59
		114.0	140.4	8.00	152.0	9.53	165.5	11.13	180.2	12.54	185.4	12.83	192.6	13.17	197.8	13.30
		136.8	140.4	7.81	152.0	9.38	165.5	10.98	180.2	12.36	185.4	12.65	192.6	12.99	197.8	13.01
	113	36.6	140.4	10.52	152.0	12.14	165.5	14.22	180.2	15.98	185.4	16.38	192.6	16.76	197.8	17.05
		53.4	140.4	10.30	152.0	11.95	165.5	13.98	180.2	15.72	185.4	16.11	192.6	16.50	197.8	16.79
		91.2	140.4	9.43	152.0	11.17	165.5	13.01	180.2	14.71	185.4	15.04	192.6	15.43	197.8	15.72
		114.0	140.4	9.22	152.0	10.99	165.5	12.87	180.2	14.49	185.4	14.83	192.6	15.21	197.8	15.36
		136.8	140.4	9.00	152.0	10.81	165.5	12.72	180.2	14.27	185.4	14.61	192.6	14.99	197.8	14.99

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	50	42.6	400.3	12.45	433.5	14.60	471.7	17.00	512.6	19.06	528.4	19.49	549.1	20.13	564.4	20.41
		53.3	400.3	12.22	433.5	14.34	471.7	16.71	512.6	18.76	528.4	19.20	549.1	19.79	564.4	20.11
		106.5	400.3	11.34	433.5	13.31	471.7	15.55	512.6	17.54	528.4	18.06	549.1	18.43	564.4	18.89
		133.1	400.3	11.01	433.5	13.12	471.7	15.30	512.6	17.15	528.4	17.67	549.1	18.12	564.4	18.37
		159.8	400.3	10.85	433.5	13.03	471.7	15.18	512.6	16.95	528.4	17.47	549.1	17.96	564.4	18.10
	59	42.6	393.7	16.42	426.5	19.13	464.2	22.30	504.6	25.04	519.8	25.64	540.0	26.32	555.3	26.77
		53.3	393.7	16.10	426.5	18.81	464.2	21.93	504.6	24.64	519.8	25.24	540.0	25.90	555.3	26.37
		106.5	393.7	14.84	426.5	17.55	464.2	20.47	504.6	23.05	519.8	23.65	540.0	24.25	555.3	24.78
		133.1	393.7	14.44	426.5	17.22	464.2	20.07	504.6	22.59	519.8	23.19	540.0	23.78	555.3	24.18
		159.8	393.7	14.24	426.5	17.06	464.2	19.87	504.6	22.36	519.8	22.95	540.0	23.55	555.3	23.88
	67	42.6	387.9	19.94	420.2	23.16	457.4	27.00	497.4	30.36	512.2	31.11	532.0	31.82	547.2	32.42
		53.3	387.9	19.54	420.2	22.79	457.4	26.56	497.4	29.88	512.2	30.61	532.0	31.33	547.2	31.93
		106.5	387.9	17.95	420.2	21.33	457.4	24.84	497.4	27.96	512.2	28.62	532.0	29.41	547.2	30.01
		133.1	387.9	17.49	420.2	20.87	457.4	24.31	497.4	27.43	512.2	28.09	532.0	28.82	547.2	29.35
		159.8	387.9	17.25	420.2	20.63	457.4	24.04	497.4	27.16	512.2	27.82	532.0	28.52	547.2	29.01
	75	42.6	387.9	24.60	420.2	28.54	457.4	33.26	497.4	37.52	512.2	38.38	532.0	39.29	547.2	39.95
		53.3	387.9	24.11	420.2	28.09	457.4	32.72	497.4	36.90	512.2	37.76	532.0	38.69	547.2	39.35
		106.5	387.9	22.19	420.2	26.30	457.4	30.61	497.4	34.45	512.2	35.31	532.0	36.30	547.2	36.96
		133.1	387.9	21.53	420.2	25.70	457.4	30.01	497.4	33.78	512.2	34.65	532.0	35.57	547.2	36.17
		159.8	387.9	21.20	420.2	25.40	457.4	29.71	497.4	33.45	512.2	34.31	532.0	35.21	547.2	35.77
	86	42.6	387.9	29.55	420.2	34.27	457.4	39.92	497.4	44.99	512.2	46.05	532.0	47.17	547.2	47.95
		53.3	387.9	28.95	420.2	33.72	457.4	39.28	497.4	44.25	512.2	45.31	532.0	46.44	547.2	47.23
		106.5	387.9	26.56	420.2	31.53	457.4	36.77	497.4	41.34	512.2	42.40	532.0	43.52	547.2	44.38
		133.1	387.9	25.84	420.2	30.87	457.4	35.97	497.4	40.54	512.2	41.60	532.0	42.66	547.2	43.39
		159.8	387.9	25.47	420.2	30.54	457.4	35.57	497.4	40.14	512.2	41.20	532.0	42.23	547.2	42.89
	95	42.6	349.2	29.80	378.0	34.68	411.6	40.40	447.6	45.43	461.0	46.59	479.0	47.72	492.4	48.48
		53.3	349.2	29.21	378.0	34.12	411.6	39.75	447.6	44.72	461.0	45.84	479.0	46.97	492.4	47.76
		106.5	349.2	26.90	378.0	31.86	411.6	37.16	447.6	41.87	461.0	42.86	479.0	43.99	492.4	44.91
		133.1	349.2	26.17	378.0	31.20	411.6	36.37	447.6	41.01	461.0	42.07	479.0	43.13	492.4	43.85
		159.8	349.2	25.80	378.0	30.87	411.6	35.97	447.6	40.57	461.0	41.66	479.0	42.69	492.4	43.32
	104	42.6	310.2	31.51	336.2	36.56	365.9	42.62	397.7	47.94	409.9	49.06	425.6	50.25	437.7	51.18
		53.3	310.2	30.87	336.2	35.97	365.9	41.93	397.7	47.17	409.9	48.29	425.6	49.48	437.7	50.41
		106.5	310.2	28.35	336.2	33.65	365.9	39.22	397.7	44.12	409.9	45.25	425.6	46.44	437.7	47.36
		133.1	310.2	27.56	336.2	32.92	365.9	38.36	397.7	43.26	409.9	44.38	425.6	45.51	437.7	46.31
		159.8	310.2	27.16	336.2	32.56	365.9	37.92	397.7	42.82	409.9	43.95	425.6	45.04	437.7	45.77
	113	42.6	271.1	33.21	294.5	38.43	320.1	44.84	347.9	50.44	358.7	51.53	372.1	52.79	382.9	53.88
		53.3	271.1	32.53	294.5	37.83	320.1	44.12	347.9	49.62	358.7	50.74	372.1	52.00	382.9	53.06
		106.5	271.1	29.81	294.5	35.44	320.1	41.27	347.9	46.37	358.7	47.63	372.1	48.89	382.9	49.82
		133.1	271.1	28.95	294.5	34.65	320.1	40.34	347.9	45.51	358.7	46.70	372.1	47.89	382.9	48.76
		159.8	271.1	28.51	294.5	34.25	320.1	39.88	347.9	45.08	358.7	46.24	372.1	47.39	382.9	48.22
120	50	42.6	378.9	11.88	409.9	13.85	446.8	16.03	485.4	18.06	499.8	18.62	519.6	19.07	534.0	19.28
		53.3	378.9	11.63	409.9	13.62	446.8	15.79	485.4	17.77	499.8	18.29	519.6	18.74	534.0	18.99
		106.5	378.9	10.67	409.9	12.73	446.8	14.84	485.4	16.62	499.8	17.00	519.6	17.45	534.0	17.84
		133.1	378.9	10.35	409.9	12.33	446.8	14.52	485.4	16.23	499.8	16.75	519.6	17.13	534.0	17.46
		159.8	378.9	10.19	409.9	12.13	446.8	14.35	485.4	16.03	499.8	16.63	519.6	16.97	534.0	17.26
	59	42.6	374.4	15.75	405.4	18.32	441.7	21.27	479.9	23.97	494.2	24.58	513.5	25.18	527.9	25.56
		53.3	374.4	15.44	405.4	18.02	441.7	20.93	479.9	23.58	494.2	24.18	513.5	24.78	527.9	25.17
		106.5	374.4	14.18	405.4	16.83	441.7	19.61	479.9	22.06	494.2	22.59	513.5	23.19	527.9	23.65
		133.1	374.4	13.78	405.4	16.43	441.7	19.21	479.9	21.60	494.2	22.19	513.5	22.72	527.9	23.12
		159.8	374.4	13.58	405.4	16.23	441.7	19.01	479.9	21.36	494.2	21.99	513.5	22.49	527.9	22.85
	67	42.6	370.3	19.20	401.3	22.30	437.2	25.92	474.9	29.22	489.3	29.88	508.2	30.61	522.5	31.14
		53.3	370.3	18.81	401.3	21.93	437.2	25.50	474.9	28.75	489.3	29.41	508.2	30.14	522.5	30.67
		106.5	370.3	17.29	401.3	20.47	437.2	23.85	474.9	26.90	489.3	27.56	508.2	28.29	522.5	28.82
		133.1	370.3	16.83	401.3	20.07	437.2	23.38	474.9	26.37	489.3	27.03	508.2	27.69	522.5	28.15
		159.8	370.3	16.59	401.3	19.87	437.2	23.15	474.9	26.10	489.3	26.76	508.2	27.39	522.5	27.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA



ARWM432BAS5

432,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	42.6	370.3	23.59	401.3	27.41	437.2	31.92	474.9	35.88	489.3	36.76	508.2	37.70	522.5	38.35
		53.3	370.3	23.12	401.3	26.96	437.2	31.40	474.9	35.31	489.3	36.17	508.2	37.10	522.5	37.76
		106.5	370.3	21.26	401.3	25.17	437.2	29.35	474.9	33.06	489.3	33.85	508.2	34.71	522.5	35.44
		133.1	370.3	20.67	401.3	24.64	437.2	28.75	474.9	32.39	489.3	33.19	508.2	34.05	522.5	34.58
		159.8	370.3	20.37	401.3	24.38	437.2	28.45	474.9	32.06	489.3	32.85	508.2	33.72	522.5	34.15
	86	42.6	370.3	28.44	401.3	33.13	437.2	38.59	474.9	43.43	489.3	44.42	508.2	45.57	522.5	46.36
		53.3	370.3	27.89	401.3	32.59	437.2	37.96	474.9	42.73	489.3	43.72	508.2	44.85	522.5	45.64
		106.5	370.3	25.70	401.3	30.47	437.2	35.44	474.9	39.95	489.3	40.94	508.2	42.00	522.5	42.79
		133.1	370.3	24.97	401.3	29.81	437.2	34.71	474.9	39.15	489.3	40.14	508.2	41.20	522.5	41.80
		159.8	370.3	24.61	401.3	29.48	437.2	34.34	474.9	38.75	489.3	39.74	508.2	40.80	522.5	41.30
	95	42.6	338.9	29.20	367.2	33.94	400.0	39.52	434.5	44.51	447.6	45.58	465.1	46.63	478.1	47.50
		53.3	338.9	28.62	367.2	33.39	400.0	38.89	434.5	43.79	447.6	44.85	465.1	45.91	478.1	46.77
		106.5	338.9	26.30	367.2	31.20	400.0	36.37	434.5	40.94	447.6	41.93	465.1	43.06	478.1	43.85
		133.1	338.9	25.57	367.2	30.54	400.0	35.64	434.5	40.14	447.6	41.14	465.1	42.20	478.1	42.86
		159.8	338.9	25.20	367.2	30.20	400.0	35.27	434.5	39.74	447.6	40.74	465.1	41.76	478.1	42.36
	104	42.6	307.5	31.42	333.1	36.49	362.7	42.55	394.6	47.87	406.3	49.01	422.0	50.20	433.6	51.13
		53.3	307.5	30.80	333.1	35.90	362.7	41.87	394.6	47.10	406.3	48.23	422.0	49.42	433.6	50.35
		106.5	307.5	28.35	333.1	33.59	362.7	39.15	394.6	44.05	406.3	45.11	422.0	46.31	433.6	47.23
		133.1	307.5	27.56	333.1	32.86	362.7	38.36	394.6	43.19	406.3	44.32	422.0	45.44	433.6	46.11
		159.8	307.5	27.16	333.1	32.49	362.7	37.96	394.6	42.76	406.3	43.92	422.0	45.01	433.6	45.54
	113	42.6	276.1	33.64	299.0	39.04	325.5	45.58	354.6	51.23	365.0	52.44	378.9	53.78	389.2	54.76
		53.3	276.1	32.99	299.0	38.42	325.5	44.85	354.6	50.41	365.0	51.60	378.9	52.93	389.2	53.92
		106.5	276.1	30.41	299.0	35.97	325.5	41.93	354.6	47.17	365.0	48.29	378.9	49.55	389.2	50.61
		133.1	276.1	29.55	299.0	35.18	325.5	41.07	354.6	46.24	365.0	47.50	378.9	48.69	389.2	49.35
		159.8	276.1	29.11	299.0	34.78	325.5	40.64	354.6	45.77	365.0	47.10	378.9	48.26	389.2	48.72
110	50	42.6	357.1	11.21	387.2	12.97	421.4	15.20	457.7	17.06	471.2	17.42	490.1	17.98	503.1	18.23
		53.3	357.1	10.98	387.2	12.76	421.4	14.94	457.7	16.78	471.2	17.17	490.1	17.69	503.1	17.94
		106.5	357.1	10.09	387.2	11.93	421.4	13.91	457.7	15.70	471.2	16.16	490.1	16.54	503.1	16.78
		133.1	357.1	9.83	387.2	11.68	421.4	13.59	457.7	15.45	471.2	15.69	490.1	16.21	503.1	16.40
		159.8	357.1	9.70	387.2	11.55	421.4	13.43	457.7	15.33	471.2	15.46	490.1	16.05	503.1	16.21
	59	42.6	355.1	15.01	384.7	17.44	418.8	20.34	455.2	22.89	468.7	23.42	487.1	24.03	500.5	24.43
		53.3	355.1	14.71	384.7	17.16	418.8	20.01	455.2	22.52	468.7	23.05	487.1	23.65	500.5	24.05
		106.5	355.1	13.51	384.7	16.03	418.8	18.68	455.2	21.07	468.7	21.60	487.1	22.13	500.5	22.52
		133.1	355.1	13.18	384.7	15.70	418.8	18.28	455.2	20.67	468.7	21.13	487.1	21.73	500.5	21.99
		159.8	355.1	13.02	384.7	15.53	418.8	18.08	455.2	20.47	468.7	20.90	487.1	21.53	500.5	21.73
	67	42.6	353.3	18.39	382.5	21.42	416.6	24.91	452.9	28.08	466.4	28.75	484.4	29.42	498.3	29.95
		53.3	353.3	18.02	382.5	21.07	416.6	24.51	452.9	27.62	466.4	28.29	484.4	28.95	498.3	29.48
		106.5	353.3	16.56	382.5	19.67	416.6	22.92	452.9	25.84	466.4	26.43	484.4	27.09	498.3	27.62
		133.1	353.3	16.16	382.5	19.28	416.6	22.46	452.9	25.31	466.4	25.97	484.4	26.63	498.3	26.96
		159.8	353.3	15.96	382.5	19.08	416.6	22.22	452.9	25.04	466.4	25.73	484.4	26.40	498.3	26.63
	75	42.6	353.3	22.49	382.5	26.19	416.6	30.49	452.9	34.34	466.4	35.13	484.4	36.01	498.3	36.67
		53.3	353.3	22.06	382.5	25.77	416.6	30.01	452.9	33.78	466.4	34.58	484.4	35.44	498.3	36.10
		106.5	353.3	20.34	382.5	24.11	416.6	28.09	452.9	31.60	466.4	32.39	484.4	33.19	498.3	33.85
		133.1	353.3	19.74	382.5	23.58	416.6	27.49	452.9	31.00	466.4	31.73	484.4	32.59	498.3	32.99
		159.8	353.3	19.44	382.5	23.32	416.6	27.19	452.9	30.70	466.4	31.40	484.4	32.29	498.3	32.56
	86	42.6	353.3	27.43	382.5	31.92	416.6	37.17	452.9	41.89	466.4	42.88	484.4	43.88	498.3	44.69
		53.3	353.3	26.90	382.5	31.40	416.6	36.57	452.9	41.20	466.4	42.20	484.4	43.19	498.3	43.99
		106.5	353.3	24.78	382.5	29.35	416.6	34.18	452.9	38.49	466.4	39.48	484.4	40.48	498.3	41.20
		133.1	353.3	24.11	382.5	28.75	416.6	33.52	452.9	37.76	466.4	38.69	484.4	39.68	498.3	40.21
		159.8	353.3	23.78	382.5	28.45	416.6	33.19	452.9	37.39	466.4	38.29	484.4	39.28	498.3	39.71
	95	42.6	329.0	28.59	356.4	33.19	388.3	38.64	422.0	43.56	434.5	44.57	451.6	45.63	464.2	46.51
		53.3	329.0	28.02	356.4	32.66	388.3	38.02	422.0	42.86	434.5	43.85	451.6	44.91	464.2	45.78
		106.5	329.0	25.77	356.4	30.54	388.3	35.57	422.0	40.08	434.5	41.01	451.6	42.07	464.2	42.86
		133.1	329.0	25.04	356.4	29.88	388.3	34.84	422.0	39.28	434.5	40.28	451.6	41.27	464.2	41.80
		159.8	329.0	24.67	356.4	29.54	388.3	34.48	422.0	38.88	434.5	39.91	451.6	40.87	464.2	41.27

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

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Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	42.6	304.8	31.36	330.4	36.51	359.6	42.49	391.0	47.80	402.7	48.95	418.4	50.14	430.1	51.08
		53.3	304.8	30.74	330.4	35.90	359.6	41.80	391.0	47.03	402.7	48.16	418.4	49.35	430.1	50.28
		106.5	304.8	28.29	330.4	33.52	359.6	39.08	391.0	43.99	402.7	45.05	418.4	46.24	430.1	47.10
		133.1	304.8	27.49	330.4	32.79	359.6	38.29	391.0	43.13	402.7	44.25	418.4	45.38	430.1	45.91
		159.8	304.8	27.09	330.4	32.42	359.6	37.89	391.0	42.69	402.7	43.85	418.4	44.94	430.1	45.31
	113	42.6	280.6	34.12	304.4	39.82	330.8	46.33	360.0	52.04	370.8	53.32	385.2	54.64	395.9	55.65
		53.3	280.6	33.45	304.4	39.15	330.8	45.58	360.0	51.21	370.8	52.47	385.2	53.79	395.9	54.78
		106.5	280.6	30.80	304.4	36.50	330.8	42.60	360.0	47.89	370.8	49.09	385.2	50.41	395.9	51.34
		133.1	280.6	29.94	304.4	35.71	330.8	41.73	360.0	46.97	370.8	48.23	385.2	49.48	395.9	50.01
		159.8	280.6	29.51	304.4	35.31	330.8	41.30	360.0	46.50	370.8	47.79	385.2	49.02	395.9	49.35
100	50	42.6	335.8	10.60	363.6	12.33	395.9	14.15	430.5	16.13	443.5	16.35	460.6	16.91	473.6	17.23
		53.3	335.8	10.39	363.6	12.11	395.9	13.94	430.5	15.87	443.5	16.11	460.6	16.64	473.6	16.96
		106.5	335.8	9.56	363.6	11.28	395.9	13.12	430.5	14.86	443.5	15.17	460.6	15.55	473.6	15.87
		133.1	335.8	9.24	363.6	11.02	395.9	12.80	430.5	14.53	443.5	14.85	460.6	15.23	473.6	15.35
		159.8	335.8	9.08	363.6	10.89	395.9	12.64	430.5	14.37	443.5	14.68	460.6	15.07	473.6	15.09
	59	42.6	335.8	14.33	363.6	16.63	395.9	19.31	430.5	21.81	443.5	22.28	460.6	22.89	473.6	23.29
		53.3	335.8	14.04	363.6	16.36	395.9	19.01	430.5	21.46	443.5	21.93	460.6	22.52	473.6	22.92
		106.5	335.8	12.92	363.6	15.30	395.9	17.82	430.5	20.07	443.5	20.54	460.6	21.07	473.6	21.46
		133.1	335.8	12.52	363.6	14.97	395.9	17.42	430.5	19.67	443.5	20.14	460.6	20.67	473.6	20.87
		159.8	335.8	12.32	363.6	14.80	395.9	17.22	430.5	19.47	443.5	19.94	460.6	20.47	473.6	20.57
	67	42.6	335.8	17.64	363.6	20.46	395.9	23.90	430.5	26.87	443.5	27.55	460.6	28.21	473.6	28.67
		53.3	335.8	17.29	363.6	20.14	395.9	23.52	430.5	26.43	443.5	27.09	460.6	27.76	473.6	28.22
		106.5	335.8	15.90	363.6	18.88	395.9	21.99	430.5	24.71	443.5	25.31	460.6	25.97	473.6	26.43
		133.1	335.8	15.44	363.6	18.48	395.9	21.53	430.5	24.25	443.5	24.84	460.6	25.50	473.6	25.77
		159.8	335.8	15.20	363.6	18.28	395.9	21.30	430.5	24.01	443.5	24.61	460.6	25.27	473.6	25.44
	75	42.6	335.8	21.48	363.6	24.98	395.9	29.09	430.5	32.80	443.5	33.61	460.6	34.40	473.6	35.00
		53.3	335.8	21.07	363.6	24.58	395.9	28.62	430.5	32.26	443.5	33.06	460.6	33.85	473.6	34.45
		106.5	335.8	19.41	363.6	22.99	395.9	26.76	430.5	30.14	443.5	30.87	460.6	31.66	473.6	32.26
		133.1	335.8	18.88	363.6	22.52	395.9	26.23	430.5	29.55	443.5	30.27	460.6	31.07	473.6	31.40
		159.8	335.8	18.61	363.6	22.29	395.9	25.97	430.5	29.24	443.5	29.97	460.6	30.77	473.6	30.97
	86	42.6	335.8	26.42	363.6	30.78	395.9	35.83	430.5	40.33	443.5	41.28	460.6	42.27	473.6	43.08
		53.3	335.8	25.90	363.6	30.27	395.9	35.24	430.5	39.68	443.5	40.61	460.6	41.60	473.6	42.40
		106.5	335.8	23.85	363.6	28.29	395.9	32.92	430.5	37.10	443.5	37.96	460.6	38.95	473.6	39.68
		133.1	335.8	23.19	363.6	27.69	395.9	32.26	430.5	36.37	443.5	37.30	460.6	38.22	473.6	38.62
		159.8	335.8	22.85	363.6	27.39	395.9	31.93	430.5	36.00	443.5	36.96	460.6	37.86	473.6	38.09
	95	42.6	319.2	27.91	345.7	32.45	376.2	37.77	409.0	42.55	421.1	43.56	437.7	44.62	449.8	45.43
		53.3	319.2	27.36	345.7	31.93	376.2	37.16	409.0	41.87	421.1	42.86	437.7	43.92	449.8	44.72
		106.5	319.2	25.17	345.7	29.88	376.2	34.78	409.0	39.15	421.1	40.08	437.7	41.14	449.8	41.87
		133.1	319.2	24.51	345.7	29.21	376.2	34.05	409.0	38.42	421.1	39.35	437.7	40.34	449.8	40.74
		159.8	319.2	24.18	345.7	28.88	376.2	33.68	409.0	38.05	421.1	38.98	437.7	39.94	449.8	40.17
	104	42.6	302.1	31.37	327.3	36.42	356.4	42.42	387.4	47.74	399.1	48.88	414.8	50.09	426.0	50.95
		53.3	302.1	30.74	327.3	35.84	356.4	41.73	387.4	46.97	399.1	48.09	414.8	49.29	426.0	50.15
		106.5	302.1	28.22	327.3	33.52	356.4	39.02	387.4	43.92	399.1	44.98	414.8	46.11	426.0	46.97
		133.1	302.1	27.49	327.3	32.79	356.4	38.22	387.4	43.06	399.1	44.12	414.8	45.25	426.0	45.71
		159.8	302.1	27.12	327.3	32.42	356.4	37.82	387.4	42.63	399.1	43.68	414.8	44.81	426.0	45.07
	113	42.6	285.1	34.84	308.8	40.40	336.7	47.07	365.9	52.92	377.1	54.20	391.9	55.56	402.2	56.47
		53.3	285.1	34.12	308.8	39.75	336.7	46.31	365.9	52.07	377.1	53.33	391.9	54.65	402.2	55.58
		106.5	285.1	31.27	308.8	37.16	336.7	43.26	365.9	48.69	377.1	49.88	391.9	51.07	402.2	52.07
		133.1	285.1	30.47	308.8	36.37	336.7	42.40	365.9	47.70	377.1	48.89	391.9	50.15	402.2	50.68
		159.8	285.1	30.07	308.8	35.97	336.7	41.96	365.9	47.20	377.1	48.39	391.9	49.68	402.2	49.98
90	50	42.6	302.1	9.01	327.3	10.46	356.4	12.23	387.4	13.85	399.1	14.09	414.8	14.39	426.0	14.84
		53.3	302.1	8.85	327.3	10.32	356.4	12.04	387.4	13.64	399.1	13.89	414.8	14.20	426.0	14.60
		106.5	302.1	8.22	327.3	9.75	356.4	11.28	387.4	12.82	399.1	13.07	414.8	13.46	426.0	13.64
		133.1	302.1	7.97	327.3	9.42	356.4	11.09	387.4	12.42	399.1	12.81	414.8	13.20	426.0	13.18
		159.8	302.1	7.84	327.3	9.26	356.4	10.99	387.4	12.22	399.1	12.68	414.8	13.07	426.0	12.95

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM432BAS5

432,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	42.6	302.1	12.29	327.3	14.26	356.4	16.63	387.4	18.78	399.1	19.18	414.8	19.64	426.0	20.06
		53.3	302.1	12.06	327.3	14.04	356.4	16.36	387.4	18.48	399.1	18.88	414.8	19.34	426.0	19.74
		106.5	302.1	11.13	327.3	13.18	356.4	15.30	387.4	17.29	399.1	17.69	414.8	18.15	426.0	18.48
		133.1	302.1	10.80	327.3	12.85	356.4	15.04	387.4	16.89	399.1	17.36	414.8	17.82	426.0	17.95
		159.8	302.1	10.63	327.3	12.68	356.4	14.90	387.4	16.69	399.1	17.19	414.8	17.65	426.0	17.69
	67	42.6	302.1	15.21	327.3	17.64	356.4	20.54	387.4	23.17	399.1	23.70	414.8	24.32	426.0	24.70
		53.3	302.1	14.91	327.3	17.36	356.4	20.20	387.4	22.79	399.1	23.32	414.8	23.91	426.0	24.31
		106.5	302.1	13.71	327.3	16.23	356.4	18.88	387.4	21.26	399.1	21.79	414.8	22.32	426.0	22.79
		133.1	302.1	13.32	327.3	15.90	356.4	18.55	387.4	20.87	399.1	21.40	414.8	21.93	426.0	22.19
		159.8	302.1	13.11	327.3	15.73	356.4	18.38	387.4	20.67	399.1	21.20	414.8	21.73	426.0	21.89
	75	42.6	302.1	18.52	327.3	21.55	356.4	25.04	387.4	28.21	399.1	28.89	414.8	29.62	426.0	30.16
		53.3	302.1	18.15	327.3	21.20	356.4	24.64	387.4	27.76	399.1	28.42	414.8	29.15	426.0	29.68
		106.5	302.1	16.69	327.3	19.81	356.4	23.05	387.4	25.97	399.1	26.56	414.8	27.29	426.0	27.76
		133.1	302.1	16.23	327.3	19.34	356.4	22.59	387.4	25.44	399.1	26.10	414.8	26.76	426.0	27.03
		159.8	302.1	16.00	327.3	19.11	356.4	22.36	387.4	25.17	399.1	25.87	414.8	26.50	426.0	26.66
	86	42.6	302.1	22.78	327.3	26.47	356.4	30.84	387.4	34.75	399.1	35.55	414.8	36.42	426.0	37.10
		53.3	302.1	22.32	327.3	26.03	356.4	30.34	387.4	34.18	399.1	34.98	414.8	35.84	426.0	36.50
		106.5	302.1	20.54	327.3	24.31	356.4	28.35	387.4	31.93	399.1	32.72	414.8	33.52	426.0	34.12
		133.1	302.1	19.94	327.3	23.85	356.4	27.76	387.4	31.33	399.1	32.06	414.8	32.92	426.0	33.25
		159.8	302.1	19.64	327.3	23.61	356.4	27.46	387.4	31.03	399.1	31.73	414.8	32.62	426.0	32.82
	95	42.6	294.0	24.62	318.3	28.56	346.6	33.26	376.6	37.43	387.9	38.31	403.1	39.24	414.3	39.99
		53.3	294.0	24.11	318.3	28.09	346.6	32.72	376.6	36.83	387.9	37.69	403.1	38.62	414.3	39.35
		106.5	294.0	22.13	318.3	26.23	346.6	30.61	376.6	34.45	387.9	35.24	403.1	36.17	414.3	36.83
		133.1	294.0	21.53	318.3	25.70	346.6	29.94	376.6	33.78	387.9	34.65	403.1	35.51	414.3	35.84
		159.8	294.0	21.23	318.3	25.44	346.6	29.61	376.6	33.45	387.9	34.35	403.1	35.17	414.3	35.34
	104	42.6	285.5	28.26	309.3	32.80	336.7	38.16	365.9	43.03	377.1	44.03	391.4	45.10	402.7	45.90
		53.3	285.5	27.69	309.3	32.26	336.7	37.56	365.9	42.33	377.1	43.32	391.4	44.38	402.7	45.18
		106.5	285.5	25.44	309.3	30.14	336.7	35.18	365.9	39.55	377.1	40.54	391.4	41.54	402.7	42.33
		133.1	285.5	24.71	309.3	29.55	336.7	34.45	365.9	38.82	377.1	39.75	391.4	40.81	402.7	41.20
		159.8	285.5	24.34	309.3	29.24	336.7	34.08	365.9	38.45	377.1	39.35	391.4	40.44	402.7	40.64
	113	42.6	277.0	31.90	300.3	37.04	326.8	43.07	355.1	48.63	366.3	49.74	379.8	50.97	391.0	51.81
		53.3	277.0	31.27	300.3	36.43	326.8	42.40	355.1	47.83	366.3	48.95	379.8	50.15	391.0	51.01
		106.5	277.0	28.75	300.3	34.05	326.8	39.75	355.1	44.65	366.3	45.84	379.8	46.90	391.0	47.83
		133.1	277.0	27.89	300.3	33.39	326.8	38.95	355.1	43.85	366.3	44.85	379.8	46.11	391.0	46.57
		159.8	277.0	27.46	300.3	33.05	326.8	38.55	355.1	43.45	366.3	44.35	379.8	45.71	391.0	45.94
80	50	42.6	268.4	7.71	290.9	8.77	316.9	10.20	344.3	11.69	354.6	11.83	368.6	12.19	378.9	12.29
		53.3	268.4	7.53	290.9	8.66	316.9	10.06	344.3	11.48	354.6	11.66	368.6	11.98	378.9	12.10
		106.5	268.4	6.81	290.9	8.23	316.9	9.50	344.3	10.64	354.6	10.96	368.6	11.15	378.9	11.34
		133.1	268.4	6.77	290.9	7.97	316.9	9.31	344.3	10.45	354.6	10.63	368.6	10.96	378.9	11.09
		159.8	268.4	6.74	290.9	7.83	316.9	9.21	344.3	10.35	354.6	10.47	368.6	10.86	378.9	10.96
	59	42.6	268.4	10.35	290.9	11.98	316.9	13.93	344.3	15.77	354.6	16.08	368.6	16.50	378.9	16.76
		53.3	268.4	10.14	290.9	11.79	316.9	13.71	344.3	15.50	354.6	15.83	368.6	16.23	378.9	16.49
		106.5	268.4	9.27	290.9	11.06	316.9	12.85	344.3	14.44	354.6	14.84	368.6	15.17	378.9	15.44
		133.1	268.4	9.08	290.9	10.80	316.9	12.59	344.3	14.18	354.6	14.51	368.6	14.91	378.9	15.04
		159.8	268.4	8.98	290.9	10.66	316.9	12.45	344.3	14.04	354.6	14.34	368.6	14.77	378.9	14.84
	67	42.6	268.4	12.70	290.9	14.82	316.9	17.24	344.3	19.40	354.6	19.86	368.6	20.32	378.9	20.74
		53.3	268.4	12.45	290.9	14.57	316.9	16.96	344.3	19.08	354.6	19.54	368.6	20.01	378.9	20.40
		106.5	268.4	11.46	290.9	13.58	316.9	15.83	344.3	17.82	354.6	18.28	368.6	18.75	378.9	19.08
		133.1	268.4	11.13	290.9	13.32	316.9	15.50	344.3	17.49	354.6	17.95	368.6	18.42	378.9	18.55
		159.8	268.4	10.96	290.9	13.18	316.9	15.33	344.3	17.32	354.6	17.79	368.6	18.25	378.9	18.28
	75	42.6	268.4	15.55	290.9	18.05	316.9	21.00	344.3	23.62	354.6	24.25	368.6	24.85	378.9	25.24
		53.3	268.4	15.24	290.9	17.75	316.9	20.67	344.3	23.25	354.6	23.85	368.6	24.44	378.9	24.84
		106.5	268.4	13.98	290.9	16.56	316.9	19.34	344.3	21.79	354.6	22.26	368.6	22.85	378.9	23.25
		133.1	268.4	13.58	290.9	16.23	316.9	18.95	344.3	21.33	354.6	21.86	368.6	22.46	378.9	22.66
		159.8	268.4	13.38	290.9	16.06	316.9	18.75	344.3	21.10	354.6	21.66	368.6	22.26	378.9	22.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	42.6	268.4	19.05	290.9	22.15	316.9	25.86	344.3	29.09	354.6	29.75	368.6	30.49	378.9	31.11
		53.3	268.4	18.68	290.9	21.79	316.9	25.44	344.3	28.62	354.6	29.28	368.6	30.01	378.9	30.61
		106.5	268.4	17.22	290.9	20.40	316.9	23.78	344.3	26.76	354.6	27.43	368.6	28.09	378.9	28.62
		133.1	268.4	16.76	290.9	19.94	316.9	23.25	344.3	26.23	354.6	26.90	368.6	27.56	378.9	27.89
		159.8	268.4	16.53	290.9	19.71	316.9	22.98	344.3	25.97	354.6	26.63	368.6	27.29	378.9	27.52
	95	42.6	268.4	21.22	290.9	24.65	316.9	28.67	344.3	32.32	354.6	33.13	368.6	33.94	378.9	34.54
		53.3	268.4	20.80	290.9	24.25	316.9	28.22	344.3	31.80	354.6	32.59	368.6	33.39	378.9	33.98
		106.5	268.4	19.14	290.9	22.66	316.9	26.43	344.3	29.74	354.6	30.47	368.6	31.20	378.9	31.80
		133.1	268.4	18.61	290.9	22.19	316.9	25.90	344.3	29.15	354.6	29.88	368.6	30.67	378.9	30.94
		159.8	268.4	18.35	290.9	21.96	316.9	25.63	344.3	28.85	354.6	29.58	368.6	30.40	378.9	30.50
	104	42.6	268.4	25.14	290.9	29.24	316.9	34.01	344.3	38.31	354.6	39.19	368.6	40.20	378.9	40.86
		53.3	268.4	24.64	290.9	28.75	316.9	33.45	344.3	37.69	354.6	38.55	368.6	39.55	378.9	40.21
		106.5	268.4	22.66	290.9	26.83	316.9	31.27	344.3	35.24	354.6	36.04	368.6	36.96	378.9	37.63
		133.1	268.4	21.99	290.9	26.30	316.9	30.61	344.3	34.51	354.6	35.37	368.6	36.30	378.9	36.63
		159.8	268.4	21.66	290.9	26.03	316.9	30.27	344.3	34.15	354.6	35.04	368.6	35.97	378.9	36.13
	113	42.6	268.4	29.07	290.9	33.82	316.9	39.34	344.3	44.31	354.6	45.25	368.6	46.46	378.9	47.19
		53.3	268.4	28.49	290.9	33.25	316.9	38.69	344.3	43.59	354.6	44.52	368.6	45.71	378.9	46.44
		106.5	268.4	26.17	290.9	31.00	316.9	36.10	344.3	40.74	354.6	41.60	368.6	42.73	378.9	43.46
		133.1	268.4	25.37	290.9	30.41	316.9	35.31	344.3	39.88	354.6	40.87	368.6	41.93	378.9	42.33
		159.8	268.4	24.97	290.9	30.11	316.9	34.91	344.3	39.45	354.6	40.51	368.6	41.53	378.9	41.76
70	50	42.6	235.2	6.29	254.5	7.33	277.4	8.47	301.2	9.55	310.2	9.92	322.3	10.17	331.3	10.20
		53.3	235.2	6.18	254.5	7.20	277.4	8.34	301.2	9.42	310.2	9.75	322.3	10.01	331.3	10.06
		106.5	235.2	5.74	254.5	6.68	277.4	7.83	301.2	8.93	310.2	9.12	322.3	9.37	331.3	9.50
		133.1	235.2	5.61	254.5	6.56	277.4	7.71	301.2	8.66	310.2	8.85	322.3	9.11	331.3	9.24
		159.8	235.2	5.55	254.5	6.50	277.4	7.65	301.2	8.53	310.2	8.72	322.3	8.98	331.3	9.11
	59	42.6	235.2	8.58	254.5	9.97	277.4	11.58	301.2	13.05	310.2	13.40	322.3	13.73	331.3	13.93
		53.3	235.2	8.41	254.5	9.80	277.4	11.39	301.2	12.85	310.2	13.18	322.3	13.51	331.3	13.71
		106.5	235.2	7.75	254.5	9.14	277.4	10.67	301.2	12.06	310.2	12.32	322.3	12.65	331.3	12.85
		133.1	235.2	7.55	254.5	8.94	277.4	10.47	301.2	11.79	310.2	12.06	322.3	12.39	331.3	12.52
		159.8	235.2	7.45	254.5	8.84	277.4	10.37	301.2	11.66	310.2	11.92	322.3	12.25	331.3	12.35
	67	42.6	235.2	10.62	254.5	12.32	277.4	14.34	301.2	16.17	310.2	16.50	322.3	16.90	331.3	17.24
		53.3	235.2	10.40	254.5	12.12	277.4	14.11	301.2	15.90	310.2	16.23	322.3	16.63	331.3	16.96
		106.5	235.2	9.54	254.5	11.33	277.4	13.18	301.2	14.84	310.2	15.17	322.3	15.57	331.3	15.83
		133.1	235.2	9.27	254.5	11.06	277.4	12.92	301.2	14.57	310.2	14.91	322.3	15.30	331.3	15.44
		159.8	235.2	9.14	254.5	10.93	277.4	12.78	301.2	14.44	310.2	14.77	322.3	15.17	331.3	15.23
	75	42.6	235.2	12.90	254.5	15.02	277.4	17.43	301.2	19.66	310.2	20.13	322.3	20.59	331.3	21.00
		53.3	235.2	12.65	254.5	14.77	277.4	17.16	301.2	19.34	310.2	19.81	322.3	20.27	331.3	20.67
		106.5	235.2	11.66	254.5	13.78	277.4	16.10	301.2	18.08	310.2	18.55	322.3	19.01	331.3	19.34
		133.1	235.2	11.33	254.5	13.51	277.4	15.77	301.2	17.75	310.2	18.15	322.3	18.61	331.3	18.81
		159.8	235.2	11.16	254.5	13.38	277.4	15.60	301.2	17.59	310.2	17.95	322.3	18.41	331.3	18.55
	86	42.6	235.2	15.89	254.5	18.45	277.4	21.48	301.2	24.17	310.2	24.78	322.3	25.38	331.3	25.86
		53.3	235.2	15.57	254.5	18.15	277.4	21.13	301.2	23.78	310.2	24.38	322.3	24.97	331.3	25.44
		106.5	235.2	14.31	254.5	16.96	277.4	19.74	301.2	22.26	310.2	22.79	322.3	23.38	331.3	23.78
		133.1	235.2	13.91	254.5	16.63	277.4	19.34	301.2	21.79	310.2	22.39	322.3	22.92	331.3	23.19
		159.8	235.2	13.71	254.5	16.46	277.4	19.14	301.2	21.56	310.2	22.19	322.3	22.69	331.3	22.89
	95	42.6	235.2	17.64	254.5	20.46	277.4	23.92	301.2	26.87	310.2	27.55	322.3	28.21	331.3	28.67
		53.3	235.2	17.29	254.5	20.14	277.4	23.52	301.2	26.43	310.2	27.09	322.3	27.76	331.3	28.22
		106.5	235.2	15.90	254.5	18.88	277.4	21.93	301.2	24.71	310.2	25.31	322.3	25.97	331.3	26.43
		133.1	235.2	15.44	254.5	18.42	277.4	21.53	301.2	24.25	310.2	24.84	322.3	25.50	331.3	25.77
		159.8	235.2	15.20	254.5	18.18	277.4	21.33	301.2	24.01	310.2	24.61	322.3	25.27	331.3	25.44
	104	42.6	235.2	20.89	254.5	24.23	277.4	28.27	301.2	31.85	310.2	32.58	322.3	33.39	331.3	33.99
		53.3	235.2	20.47	254.5	23.85	277.4	27.82	301.2	31.33	310.2	32.06	322.3	32.86	331.3	33.45
		106.5	235.2	18.81	254.5	22.32	277.4	26.03	301.2	29.28	310.2	30.01	322.3	30.74	331.3	31.33
		133.1	235.2	18.28	254.5	21.86	277.4	25.44	301.2	28.68	310.2	29.41	322.3	30.21	331.3	30.47
		159.8	235.2	18.02	254.5	21.63	277.4	25.14	301.2	28.38	310.2	29.11	322.3	29.94	331.3	30.04

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM432BAS5

432,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	42.6	235.2	24.13	254.5	28.01	277.4	32.63	301.2	36.84	310.2	37.62	322.3	38.58	331.3	39.31
		53.3	235.2	23.65	254.5	27.56	277.4	32.13	301.2	36.24	310.2	37.03	322.3	37.96	331.3	38.69
		106.5	235.2	21.73	254.5	25.77	277.4	30.14	301.2	33.85	310.2	34.71	322.3	35.51	331.3	36.24
		133.1	235.2	21.13	254.5	25.31	277.4	29.35	301.2	33.12	310.2	33.98	322.3	34.91	331.3	35.18
		159.8	235.2	20.83	254.5	25.07	277.4	28.95	301.2	32.76	310.2	33.62	322.3	34.61	331.3	34.64
60	50	42.6	201.6	5.00	218.2	5.83	237.5	6.69	258.1	7.71	266.2	7.92	276.5	8.01	284.2	8.13
		53.3	201.6	4.90	218.2	5.73	237.5	6.62	258.1	7.59	266.2	7.78	276.5	7.90	284.2	8.02
		106.5	201.6	4.52	218.2	5.35	237.5	6.31	258.1	7.07	266.2	7.20	276.5	7.46	284.2	7.59
		133.1	201.6	4.32	218.2	5.29	237.5	6.19	258.1	6.95	266.2	7.07	276.5	7.26	284.2	7.39
		159.8	201.6	4.22	218.2	5.26	237.5	6.12	258.1	6.88	266.2	7.01	276.5	7.16	284.2	7.30
	59	42.6	201.6	6.82	218.2	7.95	237.5	9.21	258.1	10.44	266.2	10.72	276.5	10.90	284.2	11.10
		53.3	201.6	6.69	218.2	7.82	237.5	9.08	258.1	10.27	266.2	10.53	276.5	10.73	284.2	10.93
		106.5	201.6	6.16	218.2	7.29	237.5	8.55	258.1	9.61	266.2	9.80	276.5	10.07	284.2	10.27
		133.1	201.6	5.96	218.2	7.15	237.5	8.35	258.1	9.41	266.2	9.61	276.5	9.87	284.2	10.00
		159.8	201.6	5.86	218.2	7.09	237.5	8.25	258.1	9.31	266.2	9.51	276.5	9.77	284.2	9.87
	67	42.6	201.6	8.45	218.2	9.84	237.5	11.45	258.1	12.85	266.2	13.20	276.5	13.47	284.2	13.73
		53.3	201.6	8.28	218.2	9.67	237.5	11.26	258.1	12.65	266.2	12.98	276.5	13.25	284.2	13.51
		106.5	201.6	7.62	218.2	9.01	237.5	10.53	258.1	11.86	266.2	12.12	276.5	12.39	284.2	12.65
		133.1	201.6	7.42	218.2	8.81	237.5	10.27	258.1	11.59	266.2	11.86	276.5	12.19	284.2	12.32
		159.8	201.6	7.32	218.2	8.71	237.5	10.13	258.1	11.46	266.2	11.72	276.5	12.09	284.2	12.15
	75	42.6	201.6	10.27	218.2	11.99	237.5	13.95	258.1	15.69	266.2	16.02	276.5	16.41	284.2	16.76
		53.3	201.6	10.07	218.2	11.79	237.5	13.71	258.1	15.44	266.2	15.77	276.5	16.16	284.2	16.49
		106.5	201.6	9.27	218.2	11.00	237.5	12.79	258.1	14.44	266.2	14.77	276.5	15.17	284.2	15.44
		133.1	201.6	9.01	218.2	10.73	237.5	12.52	258.1	14.11	266.2	14.51	276.5	14.84	284.2	15.04
		159.8	201.6	8.88	218.2	10.60	237.5	12.39	258.1	13.94	266.2	14.37	276.5	14.67	284.2	14.84
	86	42.6	201.6	12.64	218.2	14.68	237.5	17.09	258.1	19.25	266.2	19.73	276.5	20.19	284.2	20.61
		53.3	201.6	12.39	218.2	14.44	237.5	16.83	258.1	18.95	266.2	19.41	276.5	19.87	284.2	20.27
		106.5	201.6	11.39	218.2	13.51	237.5	15.77	258.1	17.75	266.2	18.15	276.5	18.61	284.2	18.95
		133.1	201.6	11.06	218.2	13.25	237.5	15.44	258.1	17.42	266.2	17.82	276.5	18.28	284.2	18.48
		159.8	201.6	10.90	218.2	13.12	237.5	15.27	258.1	17.26	266.2	17.65	276.5	18.12	284.2	18.25
	95	42.6	201.6	14.06	218.2	16.37	237.5	19.07	258.1	21.40	266.2	21.95	276.5	22.49	284.2	22.89
		53.3	201.6	13.78	218.2	16.10	237.5	18.75	258.1	21.07	266.2	21.60	276.5	22.13	284.2	22.52
		106.5	201.6	12.65	218.2	15.04	237.5	17.49	258.1	19.74	266.2	20.20	276.5	20.67	284.2	21.07
		133.1	201.6	12.32	218.2	14.71	237.5	17.16	258.1	19.34	266.2	19.81	276.5	20.34	284.2	20.54
		159.8	201.6	12.15	218.2	14.54	237.5	16.99	258.1	19.14	266.2	19.61	276.5	20.17	284.2	20.27
	104	42.6	201.6	16.61	218.2	19.31	237.5	22.56	258.1	25.39	266.2	25.99	276.5	26.58	284.2	27.13
		53.3	201.6	16.30	218.2	19.01	237.5	22.19	258.1	24.97	266.2	25.57	276.5	26.17	284.2	26.70
		106.5	201.6	15.04	218.2	17.82	237.5	20.73	258.1	23.32	266.2	23.91	276.5	24.51	284.2	24.97
		133.1	201.6	14.57	218.2	17.42	237.5	20.34	258.1	22.85	266.2	23.45	276.5	24.05	284.2	24.31
		159.8	201.6	14.34	218.2	17.22	237.5	20.14	258.1	22.62	266.2	23.22	276.5	23.81	284.2	23.98
	113	42.6	201.6	19.16	218.2	22.26	237.5	26.05	258.1	29.38	266.2	30.03	276.5	30.68	284.2	31.37
		53.3	201.6	18.81	218.2	21.93	237.5	25.64	258.1	28.88	266.2	29.55	276.5	30.21	284.2	30.87
		106.5	201.6	17.42	218.2	20.60	237.5	23.98	258.1	26.90	266.2	27.62	276.5	28.35	284.2	28.88
		133.1	201.6	16.83	218.2	20.14	237.5	23.52	258.1	26.37	266.2	27.09	276.5	27.76	284.2	28.09
		159.8	201.6	16.53	218.2	19.90	237.5	23.28	258.1	26.10	266.2	26.83	276.5	27.46	284.2	27.69
50	50	42.6	167.9	3.71	181.8	4.33	198.0	5.21	215.5	5.69	221.8	5.79	230.3	6.04	236.6	6.08
		53.3	167.9	3.63	181.8	4.26	198.0	5.11	215.5	5.61	221.8	5.73	230.3	5.93	236.6	5.99
		106.5	167.9	3.30	181.8	4.02	198.0	4.72	215.5	5.29	221.8	5.49	230.3	5.47	236.6	5.61
		133.1	167.9	3.25	181.8	4.02	198.0	4.59	215.5	5.16	221.8	5.22	230.3	5.42	236.6	5.41
		159.8	167.9	3.22	181.8	4.03	198.0	4.52	215.5	5.09	221.8	5.08	230.3	5.39	236.6	5.31
	59	42.6	167.9	5.07	181.8	5.93	198.0	6.94	215.5	7.74	221.8	7.93	230.3	8.15	236.6	8.28
		53.3	167.9	4.97	181.8	5.83	198.0	6.82	215.5	7.62	221.8	7.82	230.3	8.02	236.6	8.15
		106.5	167.9	4.57	181.8	5.43	198.0	6.36	215.5	7.15	221.8	7.35	230.3	7.49	236.6	7.62
		133.1	167.9	4.44	181.8	5.37	198.0	6.23	215.5	7.02	221.8	7.15	230.3	7.35	236.6	7.42
		159.8	167.9	4.37	181.8	5.33	198.0	6.16	215.5	6.96	221.8	7.05	230.3	7.29	236.6	7.32

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	67	42.6	167.9	6.28	181.8	7.35	198.0	8.48	215.5	9.56	221.8	9.84	230.3	10.02	236.6	10.24
		53.3	167.9	6.16	181.8	7.22	198.0	8.35	215.5	9.41	221.8	9.67	230.3	9.87	236.6	10.07
		106.5	167.9	5.70	181.8	6.69	198.0	7.82	215.5	8.81	221.8	9.01	230.3	9.27	236.6	9.41
		133.1	167.9	5.50	181.8	6.56	198.0	7.68	215.5	8.68	221.8	8.88	230.3	9.08	236.6	9.21
		159.8	167.9	5.40	181.8	6.49	198.0	7.62	215.5	8.61	221.8	8.81	230.3	8.98	236.6	9.11
	75	42.6	167.9	7.64	181.8	8.88	198.0	10.37	215.5	11.73	221.8	11.99	230.3	12.26	236.6	12.44
		53.3	167.9	7.49	181.8	8.74	198.0	10.20	215.5	11.53	221.8	11.79	230.3	12.06	236.6	12.26
		106.5	167.9	6.89	181.8	8.21	198.0	9.54	215.5	10.73	221.8	11.00	230.3	11.26	236.6	11.53
		133.1	167.9	6.69	181.8	8.02	198.0	9.34	215.5	10.53	221.8	10.80	230.3	11.06	236.6	11.20
		159.8	167.9	6.59	181.8	7.92	198.0	9.24	215.5	10.43	221.8	10.70	230.3	10.96	236.6	11.03
	86	42.6	167.9	9.48	181.8	10.98	198.0	12.80	215.5	14.41	221.8	14.76	230.3	15.07	236.6	15.35
		53.3	167.9	9.27	181.8	10.80	198.0	12.59	215.5	14.18	221.8	14.51	230.3	14.84	236.6	15.10
		106.5	167.9	8.48	181.8	10.07	198.0	11.73	215.5	13.25	221.8	13.51	230.3	13.91	236.6	14.11
		133.1	167.9	8.28	181.8	9.87	198.0	11.53	215.5	12.98	221.8	13.32	230.3	13.65	236.6	13.78
		159.8	167.9	8.18	181.8	9.77	198.0	11.43	215.5	12.85	221.8	13.22	230.3	13.51	236.6	13.61
	95	42.6	167.9	10.47	181.8	12.19	198.0	14.21	215.5	15.95	221.8	16.37	230.3	16.76	236.6	17.03
		53.3	167.9	10.27	181.8	11.99	198.0	13.98	215.5	15.70	221.8	16.10	230.3	16.49	236.6	16.76
		106.5	167.9	9.47	181.8	11.20	198.0	13.05	215.5	14.71	221.8	15.04	230.3	15.44	236.6	15.70
		133.1	167.9	9.21	181.8	11.00	198.0	12.79	215.5	14.44	221.8	14.77	230.3	15.17	236.6	15.30
		159.8	167.9	9.07	181.8	10.90	198.0	12.65	215.5	14.31	221.8	14.64	230.3	15.04	236.6	15.10
	104	42.6	167.9	12.44	181.8	14.41	198.0	16.85	215.5	18.92	221.8	19.40	230.3	19.86	236.6	20.19
		53.3	167.9	12.19	181.8	14.18	198.0	16.56	215.5	18.61	221.8	19.08	230.3	19.54	236.6	19.87
		106.5	167.9	11.20	181.8	13.25	198.0	15.44	215.5	17.42	221.8	17.82	230.3	18.28	236.6	18.61
		133.1	167.9	10.86	181.8	12.98	198.0	15.17	215.5	17.09	221.8	17.49	230.3	17.95	236.6	18.08
		159.8	167.9	10.70	181.8	12.85	198.0	15.04	215.5	16.92	221.8	17.32	230.3	17.79	236.6	17.82
	113	42.6	167.9	14.41	181.8	16.63	198.0	19.48	215.5	21.88	221.8	22.43	230.3	22.96	236.6	23.36
		53.3	167.9	14.11	181.8	16.36	198.0	19.14	215.5	21.53	221.8	22.06	230.3	22.59	236.6	22.99
		106.5	167.9	12.92	181.8	15.30	198.0	17.82	215.5	20.14	221.8	20.60	230.3	21.13	236.6	21.53
		133.1	167.9	12.52	181.8	14.97	198.0	17.55	215.5	19.74	221.8	20.20	230.3	20.73	236.6	20.87
		159.8	167.9	12.32	181.8	14.80	198.0	17.42	215.5	19.54	221.8	20.00	230.3	20.53	236.6	20.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# HEATING CAPACITY DATA



ARWM072BAS5

72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	8.1	38.3	3.22	38.0	3.03	37.8	2.82	37.3	2.73	37.7	2.66	36.7	2.39
		13.2	41.0	3.33	40.7	3.15	40.5	2.95	39.9	2.86	40.4	2.78	39.3	2.50
		20.3	44.8	3.49	44.5	3.32	44.2	3.12	43.6	3.03	44.2	2.95	43.0	2.65
		25.4	49.6	3.72	49.1	3.55	48.8	3.37	48.2	3.28	48.8	3.18	47.5	2.85
		30.5	52.0	3.83	51.5	3.66	51.1	3.49	50.5	3.40	51.2	3.30	49.8	2.96
	32	8.1	68.5	4.40	66.9	4.27	65.5	4.13	64.0	4.01	64.3	3.90	61.3	3.49
		13.2	69.3	4.43	67.7	4.29	66.3	4.16	64.8	4.04	65.1	3.92	62.1	3.52
		20.3	70.5	4.46	68.8	4.32	67.4	4.19	65.9	4.07	66.2	3.95	63.2	3.55
		25.4	71.6	4.46	69.8	4.32	68.4	4.19	66.9	4.07	67.1	3.95	64.1	3.55
		30.5	72.1	4.46	70.4	4.32	68.9	4.19	67.4	4.07	67.6	3.95	64.6	3.55
	41	8.1	98.6	4.73	97.1	4.61	95.1	4.49	92.7	4.37	90.2	4.25	85.2	3.80
		13.2	99.3	4.77	97.5	4.66	95.1	4.54	92.7	4.42	90.2	4.29	85.2	3.84
		20.3	100.3	4.83	98.0	4.72	95.2	4.61	92.7	4.48	90.2	4.35	85.2	3.90
		25.4	100.9	4.86	98.3	4.75	95.2	4.64	92.7	4.51	90.2	4.38	85.2	3.93
		30.5	101.2	4.88	98.4	4.76	95.2	4.65	92.7	4.53	90.2	4.40	85.2	3.94
	50	8.1	98.7	4.30	97.1	4.16	94.8	4.08	92.3	3.99	89.8	3.85	84.9	3.48
		13.2	99.9	4.28	98.1	4.17	95.6	4.10	93.1	3.99	90.5	3.85	85.6	3.47
		20.3	101.6	4.26	99.4	4.18	96.7	4.12	94.2	3.98	91.5	3.84	86.6	3.46
		25.4	102.2	4.32	100.1	4.23	97.3	4.13	94.6	4.00	92.2	3.90	87.1	3.63
		30.5	102.4	4.35	100.4	4.26	97.6	4.14	94.9	4.00	92.5	3.93	87.4	3.71
	59	8.1	98.9	3.88	97.1	3.71	94.4	3.67	91.9	3.61	89.5	3.46	84.5	3.15
		13.2	100.6	3.80	98.6	3.68	96.0	3.65	93.5	3.56	90.9	3.40	85.9	3.10
		20.3	102.9	3.68	100.8	3.63	98.2	3.63	95.7	3.48	92.9	3.32	87.9	3.02
		25.4	103.5	3.77	101.8	3.72	99.4	3.63	96.7	3.48	94.2	3.42	89.0	3.32
		30.5	103.7	3.82	102.3	3.76	100.0	3.63	97.2	3.48	94.8	3.47	89.5	3.48
	68	8.1	102.6	3.56	100.8	3.39	98.1	3.32	95.4	3.21	92.6	3.14	87.1	3.04
		13.2	104.3	3.51	102.5	3.39	99.7	3.31	97.0	3.24	94.3	3.18	88.8	2.99
		20.3	106.7	3.43	104.8	3.38	101.9	3.30	99.2	3.28	96.7	3.24	91.2	2.92
		25.4	107.1	3.43	105.6	3.38	103.1	3.32	100.1	3.28	97.4	3.24	91.9	3.10
		30.5	107.4	3.43	105.9	3.38	103.7	3.33	100.6	3.28	97.8	3.24	92.3	3.20
	77	8.1	108.4	3.39	105.6	3.29	103.1	3.24	101.1	3.18	98.9	3.14	93.2	2.93
		13.2	108.4	3.36	105.6	3.28	103.1	3.21	101.1	3.15	98.9	3.11	93.2	2.90
		20.3	108.4	3.32	105.6	3.27	103.1	3.17	101.1	3.12	98.9	3.07	93.2	2.86
		25.4	108.4	3.28	105.6	3.18	103.1	3.12	101.1	3.07	98.9	3.02	93.2	2.82
		30.5	108.4	3.25	105.6	3.14	103.1	3.10	101.1	3.04	98.9	2.99	93.2	2.79
	86	8.1	108.4	3.30	105.6	3.14	103.1	3.11	101.1	3.03	98.9	3.00	93.2	2.79
		13.2	108.4	3.25	105.6	3.13	103.1	3.07	101.1	3.00	98.9	2.94	93.2	2.74
		20.3	108.4	3.17	105.6	3.11	103.1	3.02	101.1	2.97	98.9	2.86	93.2	2.66
		25.4	108.4	3.12	105.6	3.03	103.1	2.97	101.1	2.92	98.9	2.86	93.2	2.66
		30.5	108.4	3.10	105.6	2.99	103.1	2.95	101.1	2.89	98.9	2.86	93.2	2.66
	95	8.1	108.4	3.15	105.6	3.05	103.1	2.98	101.1	2.88	98.9	2.78	93.2	2.58
		13.2	108.4	3.10	105.6	3.01	103.1	2.95	101.1	2.85	98.9	2.75	93.2	2.53
		20.3	108.4	3.02	105.6	2.96	103.1	2.92	101.1	2.82	98.9	2.71	93.2	2.46
		25.4	108.4	3.02	105.6	2.93	103.1	2.86	101.1	2.76	98.9	2.66	93.2	2.46
		30.5	108.4	3.02	105.6	2.91	103.1	2.84	101.1	2.74	98.9	2.64	93.2	2.46
	104	8.1	108.4	3.04	105.6	2.95	103.1	2.89	101.1	2.79	98.9	2.69	93.2	2.43
		13.2	108.4	2.99	105.6	2.91	103.1	2.84	101.1	2.74	98.9	2.64	93.2	2.38
		20.3	108.4	2.92	105.6	2.85	103.1	2.76	101.1	2.66	98.9	2.56	93.2	2.30
		25.4	108.4	2.86	105.6	2.81	103.1	2.76	101.1	2.66	98.9	2.56	93.2	2.30
		30.5	108.4	2.84	105.6	2.78	103.1	2.76	101.1	2.66	98.9	2.56	93.2	2.30
	113	8.1	108.4	2.94	105.6	2.85	103.1	2.80	101.1	2.70	98.9	2.60	93.2	2.28
		13.2	108.4	2.89	105.6	2.81	103.1	2.72	101.1	2.62	98.9	2.52	93.2	2.23
		20.3	108.4	2.82	105.6	2.75	103.1	2.61	101.1	2.51	98.9	2.40	93.2	2.15
		25.4	108.4	2.71	105.6	2.68	103.1	2.66	101.1	2.56	98.9	2.46	93.2	2.15
		30.5	108.4	2.66	105.6	2.65	103.1	2.69	101.1	2.58	98.9	2.48	93.2	2.15

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	8.1	36.4	3.22	36.1	3.03	35.9	2.82	35.5	2.70	35.8	2.62	34.8	2.35
		13.2	39.0	3.33	38.7	3.15	38.5	2.95	38.0	2.82	38.4	2.74	37.3	2.45
		20.3	42.6	3.49	42.3	3.32	42.0	3.12	41.5	2.99	41.9	2.91	40.8	2.60
		25.4	47.1	3.72	46.7	3.55	46.4	3.37	45.9	3.23	46.3	3.13	45.0	2.81
		30.5	49.3	3.83	49.0	3.66	48.6	3.49	48.1	3.35	48.5	3.25	47.1	2.91
	32	8.1	65.1	4.40	63.5	4.27	62.2	4.13	60.9	3.95	60.9	3.84	58.1	3.44
		13.2	65.9	4.43	64.3	4.29	63.0	4.16	61.7	3.98	61.7	3.87	58.9	3.46
		20.3	67.0	4.46	65.4	4.32	64.0	4.19	62.7	4.01	62.7	3.90	59.9	3.49
		25.4	68.0	4.46	66.5	4.32	65.0	4.19	63.7	4.01	63.6	3.90	60.8	3.49
		30.5	68.6	4.46	67.0	4.32	65.5	4.19	64.2	4.01	64.1	3.90	61.3	3.49
	41	8.1	93.8	4.73	92.4	4.61	90.4	4.49	88.2	4.30	85.4	4.18	80.8	3.74
		13.2	94.5	4.77	92.8	4.66	90.4	4.54	88.2	4.35	85.4	4.23	80.8	3.78
		20.3	95.5	4.83	93.3	4.72	90.4	4.61	88.2	4.41	85.4	4.29	80.8	3.84
		25.4	96.1	4.86	92.8	4.75	90.4	4.64	88.2	4.45	85.4	4.32	80.8	3.86
		30.5	96.3	4.88	92.5	4.76	90.4	4.65	88.2	4.46	85.4	4.34	80.8	3.88
	50	8.1	94.2	4.25	92.4	4.13	90.2	4.05	88.0	3.92	85.2	3.79	80.6	3.41
		13.2	95.1	4.28	93.2	4.16	90.7	4.08	88.5	3.93	85.7	3.79	81.0	3.42
		20.3	96.4	4.32	94.3	4.21	91.4	4.12	89.2	3.95	86.3	3.78	81.6	3.43
		25.4	96.9	4.30	94.0	4.21	91.8	4.13	89.6	3.96	86.7	3.80	82.0	3.55
		30.5	97.2	4.30	93.9	4.21	92.0	4.14	89.8	3.97	86.9	3.80	82.2	3.61
	59	8.1	94.5	3.77	92.6	3.66	89.9	3.60	87.7	3.54	85.0	3.40	80.3	3.08
		13.2	95.6	3.79	93.8	3.67	91.0	3.61	88.7	3.51	85.9	3.35	81.2	3.05
		20.3	97.2	3.81	95.4	3.69	92.5	3.63	90.2	3.48	87.2	3.28	82.5	3.02
		25.4	97.7	3.75	95.3	3.66	93.2	3.63	90.9	3.48	87.9	3.28	83.3	3.22
		30.5	98.0	3.72	95.3	3.65	93.6	3.63	91.3	3.48	88.3	3.28	83.6	3.33
	68	8.1	97.1	3.39	95.3	3.24	92.4	3.16	89.8	3.11	86.9	3.07	82.2	2.92
		13.2	98.4	3.39	96.5	3.27	93.4	3.19	91.0	3.14	88.1	3.07	83.2	2.89
		20.3	100.2	3.39	98.1	3.30	94.9	3.22	92.7	3.17	89.7	3.06	84.7	2.86
		25.4	100.7	3.36	98.0	3.28	95.7	3.22	93.2	3.17	90.2	3.07	85.2	2.97
		30.5	100.9	3.34	98.0	3.26	96.1	3.22	93.5	3.17	90.5	3.08	85.5	3.02
	77	8.1	101.8	3.20	98.9	3.05	95.7	3.00	93.7	2.93	91.2	2.88	86.2	2.68
		13.2	101.9	3.17	98.9	3.04	95.7	2.99	93.7	2.90	91.2	2.85	86.2	2.65
		20.3	102.1	3.14	98.9	3.03	95.7	2.97	93.7	2.86	91.2	2.82	86.2	2.61
		25.4	102.4	3.03	98.9	2.95	95.7	2.92	93.7	2.86	91.2	2.76	86.2	2.61
		30.5	102.6	2.97	98.9	2.91	95.7	2.89	93.7	2.86	91.2	2.74	86.2	2.61
	86	8.1	102.4	3.06	98.9	2.91	95.7	2.83	93.7	2.72	91.2	2.69	86.2	2.47
		13.2	102.4	3.01	98.9	2.88	95.7	2.80	93.7	2.69	91.2	2.64	86.2	2.44
		20.3	102.4	2.94	98.9	2.83	95.7	2.76	93.7	2.66	91.2	2.56	86.2	2.40
		25.4	102.4	2.84	98.9	2.76	95.7	2.71	93.7	2.66	91.2	2.56	86.2	2.36
		30.5	102.4	2.79	98.9	2.73	95.7	2.68	93.7	2.66	91.2	2.56	86.2	2.33
	95	8.1	102.4	2.93	98.9	2.77	95.7	2.69	93.7	2.58	91.2	2.48	86.2	2.26
		13.2	102.4	2.84	98.9	2.72	95.7	2.64	93.7	2.53	91.2	2.43	86.2	2.23
		20.3	102.4	2.72	98.9	2.64	95.7	2.56	93.7	2.46	91.2	2.36	86.2	2.20
		25.4	102.4	2.69	98.9	2.62	95.7	2.56	93.7	2.46	91.2	2.36	86.2	2.15
		30.5	102.4	2.67	98.9	2.61	95.7	2.56	93.7	2.46	91.2	2.36	86.2	2.12
	104	8.1	102.4	2.84	98.9	2.64	95.7	2.54	93.7	2.43	91.2	2.33	86.2	2.11
		13.2	102.4	2.73	98.9	2.58	95.7	2.48	93.7	2.38	91.2	2.28	86.2	2.08
		20.3	102.4	2.57	98.9	2.49	95.7	2.40	93.7	2.30	91.2	2.20	86.2	2.05
		25.4	102.4	2.54	98.9	2.46	95.7	2.40	93.7	2.30	91.2	2.20	86.2	2.00
		30.5	102.4	2.52	98.9	2.44	95.7	2.40	93.7	2.30	91.2	2.20	86.2	1.97
	113	8.1	102.4	2.75	98.9	2.51	95.7	2.38	93.7	2.28	91.2	2.17	86.2	1.95
		13.2	102.4	2.61	98.9	2.43	95.7	2.33	93.7	2.23	91.2	2.12	86.2	1.93
		20.3	102.4	2.41	98.9	2.33	95.7	2.25	93.7	2.15	91.2	2.05	86.2	1.90
		25.4	102.4	2.38	98.9	2.29	95.7	2.25	93.7	2.15	91.2	2.05	86.2	1.84
		30.5	102.4	2.37	98.9	2.27	95.7	2.25	93.7	2.15	91.2	2.05	86.2	1.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM072BAS5

72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	8.1	34.5	3.26	34.2	3.03	34.0	2.82	33.7	2.70	33.7	2.62	33.0	2.35
		13.2	36.9	3.38	36.7	3.15	36.5	2.95	36.1	2.82	36.1	2.74	35.4	2.45
		20.3	40.3	3.54	40.1	3.32	39.9	3.12	39.4	2.99	39.4	2.91	38.7	2.60
		25.4	44.5	3.76	44.2	3.55	44.0	3.37	43.6	3.23	43.6	3.13	42.6	2.81
		30.5	46.7	3.88	46.3	3.66	46.1	3.49	45.6	3.35	45.6	3.25	44.7	2.91
	32	8.1	61.6	4.46	60.2	4.27	59.0	4.13	57.8	3.95	57.3	3.84	55.1	3.44
		13.2	62.4	4.48	61.0	4.29	59.7	4.16	58.5	3.98	58.0	3.87	55.8	3.46
		20.3	63.4	4.51	62.0	4.32	60.7	4.19	59.5	4.01	59.0	3.90	56.7	3.49
		25.4	64.3	4.51	63.0	4.32	61.6	4.19	60.4	4.01	59.9	3.90	57.6	3.49
		30.5	64.8	4.51	63.5	4.32	62.1	4.19	60.9	4.01	60.4	3.90	58.0	3.49
	41	8.1	89.8	4.79	87.7	4.61	85.7	4.49	83.7	4.30	80.5	4.18	76.6	3.74
		13.2	90.4	4.84	88.0	4.66	85.7	4.54	83.7	4.35	80.5	4.23	76.6	3.78
		20.3	91.3	4.90	88.5	4.72	85.7	4.61	83.7	4.41	80.5	4.29	76.6	3.84
		25.4	91.9	4.93	88.8	4.75	85.7	4.64	83.7	4.45	80.5	4.32	76.6	3.86
		30.5	92.1	4.94	88.9	4.76	85.7	4.65	83.7	4.46	80.5	4.34	76.6	3.88
	50	8.1	90.2	4.30	87.9	4.15	85.5	4.06	83.6	3.92	80.3	3.79	76.5	3.41
		13.2	90.9	4.32	88.4	4.18	85.8	4.09	83.9	3.93	80.6	3.79	76.7	3.42
		20.3	91.9	4.34	89.1	4.21	86.2	4.12	84.2	3.95	81.0	3.78	76.9	3.43
		25.4	92.4	4.34	89.4	4.21	86.5	4.11	84.4	3.94	81.2	3.80	77.2	3.47
		30.5	92.6	4.34	89.6	4.21	86.7	4.10	84.5	3.93	81.2	3.80	77.3	3.49
	59	8.1	90.4	3.80	88.1	3.69	85.5	3.63	83.5	3.54	80.2	3.40	76.4	3.08
		13.2	91.2	3.79	88.8	3.69	86.0	3.63	84.0	3.51	80.7	3.35	76.8	3.05
		20.3	92.3	3.77	89.7	3.69	86.7	3.63	84.7	3.48	81.5	3.28	77.3	3.02
		25.4	92.8	3.75	90.1	3.66	87.2	3.58	85.0	3.43	81.8	3.28	77.8	3.07
		30.5	93.1	3.73	90.3	3.65	87.4	3.56	85.1	3.41	81.9	3.28	78.0	3.10
	68	8.1	92.1	3.28	89.6	3.20	86.7	3.12	84.4	3.07	81.3	2.98	77.0	2.79
		13.2	93.1	3.29	90.2	3.20	87.2	3.12	85.1	3.07	81.8	2.95	77.6	2.78
		20.3	94.6	3.31	91.1	3.20	87.9	3.12	86.0	3.07	82.5	2.92	78.5	2.76
		25.4	95.1	3.31	91.9	3.20	88.5	3.12	86.2	3.02	83.0	2.92	78.7	2.76
		30.5	95.4	3.31	92.2	3.20	88.7	3.12	86.3	2.99	83.2	2.92	78.9	2.76
	77	8.1	95.0	2.99	92.2	2.88	88.5	2.83	86.5	2.72	83.5	2.62	79.0	2.40
		13.2	95.4	2.98	92.2	2.85	88.5	2.80	86.5	2.69	83.5	2.59	79.0	2.40
		20.3	95.9	2.96	92.2	2.82	88.5	2.76	86.5	2.66	83.5	2.56	79.0	2.40
		25.4	96.4	2.96	92.2	2.83	88.5	2.71	86.5	2.66	83.5	2.51	79.0	2.36
		30.5	96.6	2.96	92.2	2.83	88.5	2.68	86.5	2.66	83.5	2.49	79.0	2.33
	86	8.1	96.4	2.72	92.2	2.62	88.5	2.52	86.5	2.47	83.5	2.32	79.0	2.16
		13.2	96.4	2.69	92.2	2.59	88.5	2.49	86.5	2.44	83.5	2.29	79.0	2.13
		20.3	96.4	2.66	92.2	2.56	88.5	2.46	86.5	2.40	83.5	2.25	79.0	2.10
		25.4	96.4	2.64	92.2	2.51	88.5	2.40	86.5	2.36	83.5	2.25	79.0	2.10
		30.5	96.4	2.63	92.2	2.49	88.5	2.38	86.5	2.33	83.5	2.25	79.0	2.10
	95	8.1	96.4	2.58	92.2	2.42	88.5	2.32	86.5	2.22	83.5	2.11	79.0	1.95
		13.2	96.4	2.53	92.2	2.39	88.5	2.29	86.5	2.19	83.5	2.08	79.0	1.93
		20.3	96.4	2.46	92.2	2.36	88.5	2.25	86.5	2.15	83.5	2.05	79.0	1.90
		25.4	96.4	2.39	92.2	2.30	88.5	2.20	86.5	2.15	83.5	2.05	79.0	1.90
		30.5	96.4	2.36	92.2	2.28	88.5	2.18	86.5	2.15	83.5	2.05	79.0	1.90
	104	8.1	96.4	2.43	92.2	2.33	88.5	2.17	86.5	2.06	83.5	1.95	79.0	1.80
		13.2	96.4	2.38	92.2	2.28	88.5	2.12	86.5	2.03	83.5	1.93	79.0	1.77
		20.3	96.4	2.30	92.2	2.20	88.5	2.05	86.5	2.00	83.5	1.90	79.0	1.74
		25.4	96.4	2.27	92.2	2.15	88.5	2.05	86.5	1.94	83.5	1.84	79.0	1.69
		30.5	96.4	2.25	92.2	2.12	88.5	2.05	86.5	1.92	83.5	1.82	79.0	1.66
	113	8.1	96.4	2.28	92.2	2.24	88.5	2.03	86.5	1.91	83.5	1.80	79.0	1.65
		13.2	96.4	2.23	92.2	2.16	88.5	1.95	86.5	1.88	83.5	1.77	79.0	1.62
		20.3	96.4	2.15	92.2	2.05	88.5	1.84	86.5	1.84	83.5	1.74	79.0	1.59
		25.4	96.4	2.15	92.2	2.00	88.5	1.90	86.5	1.74	83.5	1.64	79.0	1.48
		30.5	96.4	2.15	92.2	1.97	88.5	1.92	86.5	1.69	83.5	1.58	79.0	1.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

### 72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	8.1	32.6	3.26	32.3	3.07	32.2	2.82	31.9	2.70	31.6	2.58	31.0	2.35
		13.2	34.9	3.38	34.6	3.19	34.5	2.95	34.2	2.82	33.9	2.70	33.3	2.45
		20.3	38.1	3.54	37.9	3.36	37.7	3.12	37.3	2.99	37.0	2.86	36.4	2.60
		25.4	42.1	3.76	41.8	3.59	41.6	3.37	41.2	3.23	40.9	3.09	40.2	2.81
		30.5	44.1	3.88	43.8	3.71	43.6	3.49	43.2	3.35	42.9	3.20	42.1	2.91
	32	8.1	58.2	4.46	56.9	4.32	55.7	4.13	54.8	3.95	53.8	3.78	51.9	3.44
		13.2	58.9	4.48	57.6	4.35	56.4	4.16	55.5	3.98	54.5	3.81	52.5	3.46
		20.3	59.9	4.51	58.6	4.38	57.3	4.19	56.4	4.01	55.4	3.84	53.4	3.49
		25.4	60.8	4.51	59.5	4.38	58.2	4.19	57.2	4.01	56.2	3.84	54.3	3.49
		30.5	61.3	4.51	60.0	4.38	58.7	4.19	57.6	4.01	56.6	3.84	54.7	3.49
	41	8.1	85.9	4.79	83.0	4.67	80.9	4.49	79.3	4.30	75.5	4.12	72.0	3.74
		13.2	86.5	4.84	83.3	4.72	80.9	4.54	79.3	4.35	75.5	4.16	72.0	3.78
		20.3	87.4	4.90	83.8	4.78	81.0	4.61	79.3	4.41	75.5	4.22	72.0	3.84
		25.4	87.9	4.93	84.0	4.81	81.0	4.64	79.3	4.45	75.5	4.25	72.0	3.86
		30.5	88.2	4.94	84.1	4.83	81.0	4.65	79.3	4.46	75.5	4.26	72.0	3.88
	50	8.1	86.4	4.28	83.3	4.19	81.0	4.06	79.3	3.92	75.5	3.73	72.0	3.41
		13.2	86.8	4.32	83.6	4.22	81.0	4.09	79.3	3.93	75.5	3.74	72.0	3.42
		20.3	87.4	4.38	83.9	4.26	81.0	4.12	79.3	3.95	75.5	3.75	72.0	3.43
		25.4	88.0	4.37	84.2	4.26	81.0	4.11	79.3	3.94	75.5	3.74	72.0	3.41
		30.5	88.3	4.36	84.4	4.26	81.0	4.10	79.3	3.93	75.5	3.73	72.0	3.41
	59	8.1	86.8	3.78	83.7	3.71	81.0	3.63	79.3	3.54	75.5	3.34	72.0	3.08
		13.2	87.1	3.82	83.8	3.72	81.0	3.63	79.3	3.51	75.5	3.31	72.0	3.05
		20.3	87.4	3.87	83.9	3.73	81.0	3.63	79.3	3.48	75.5	3.28	72.0	3.02
		25.4	88.2	3.81	84.4	3.69	81.0	3.58	79.3	3.43	75.5	3.22	72.0	2.97
		30.5	88.5	3.77	84.6	3.68	81.0	3.56	79.3	3.41	75.5	3.20	72.0	2.95
	68	8.1	87.3	3.23	84.1	3.15	81.0	3.07	79.3	3.03	75.5	2.83	72.0	2.69
		13.2	88.0	3.26	84.2	3.15	81.0	3.07	79.3	3.00	75.5	2.80	72.0	2.64
		20.3	88.9	3.30	84.4	3.16	81.0	3.07	79.3	2.97	75.5	2.76	72.0	2.56
		25.4	89.4	3.24	85.1	3.13	81.0	3.02	79.3	2.92	75.5	2.71	72.0	2.51
		30.5	89.7	3.22	85.5	3.12	81.0	2.99	79.3	2.89	75.5	2.68	72.0	2.49
	77	8.1	88.4	2.82	85.4	2.74	81.0	2.62	79.3	2.52	75.5	2.37	72.0	2.15
		13.2	89.1	2.83	85.4	2.71	81.0	2.59	79.3	2.49	75.5	2.34	72.0	2.15
		20.3	90.0	2.84	85.4	2.66	81.0	2.56	79.3	2.46	75.5	2.30	72.0	2.15
		25.4	90.4	2.77	85.4	2.64	81.0	2.51	79.3	2.40	75.5	2.30	72.0	2.10
		30.5	90.6	2.74	85.4	2.63	81.0	2.49	79.3	2.38	75.5	2.30	72.0	2.07
	86	8.1	90.4	2.57	85.4	2.37	81.0	2.21	79.3	2.16	75.5	2.00	72.0	1.91
		13.2	90.4	2.54	85.4	2.34	81.0	2.20	79.3	2.13	75.5	2.00	72.0	1.88
		20.3	90.4	2.51	85.4	2.30	81.0	2.18	79.3	2.10	75.5	2.00	72.0	1.84
		25.4	90.4	2.46	85.4	2.30	81.0	2.15	79.3	2.10	75.5	1.94	72.0	1.84
		30.5	90.4	2.43	85.4	2.30	81.0	2.13	79.3	2.10	75.5	1.92	72.0	1.84
	95	8.1	90.4	2.38	85.4	2.17	81.0	1.95	79.3	1.91	75.5	1.80	72.0	1.65
		13.2	90.4	2.33	85.4	2.12	81.0	1.94	79.3	1.88	75.5	1.77	72.0	1.62
		20.3	90.4	2.25	85.4	2.05	81.0	1.92	79.3	1.84	75.5	1.74	72.0	1.59
		25.4	90.4	2.25	85.4	2.05	81.0	1.90	79.3	1.84	75.5	1.74	72.0	1.59
		30.5	90.4	2.25	85.4	2.05	81.0	1.88	79.3	1.84	75.5	1.74	72.0	1.59
	104	8.1	90.4	2.23	85.4	2.02	81.0	1.75	79.3	1.70	75.5	1.60	72.0	1.49
		13.2	90.4	2.18	85.4	1.97	81.0	1.74	79.3	1.67	75.5	1.57	72.0	1.46
		20.3	90.4	2.10	85.4	1.90	81.0	1.72	79.3	1.64	75.5	1.54	72.0	1.43
		25.4	90.4	2.05	85.4	1.90	81.0	1.69	79.3	1.64	75.5	1.54	72.0	1.43
		30.5	90.4	2.02	85.4	1.90	81.0	1.67	79.3	1.64	75.5	1.54	72.0	1.43
	113	8.1	90.4	2.08	85.4	1.87	81.0	1.54	79.3	1.49	75.5	1.39	72.0	1.34
		13.2	90.4	2.02	85.4	1.82	81.0	1.53	79.3	1.46	75.5	1.36	72.0	1.31
		20.3	90.4	1.94	85.4	1.74	81.0	1.51	79.3	1.43	75.5	1.33	72.0	1.28
		25.4	90.4	1.84	85.4	1.74	81.0	1.48	79.3	1.43	75.5	1.33	72.0	1.28
		30.5	90.4	1.79	85.4	1.74	81.0	1.47	79.3	1.43	75.5	1.33	72.0	1.28

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM072BAS5

72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	8.1	30.7	3.02	29.8	2.75	28.9	2.42	28.7	2.30	28.5	2.22	28.0	1.99
		13.2	32.9	3.13	31.9	2.86	30.9	2.53	30.7	2.41	30.5	2.32	30.0	2.08
		20.3	36.0	3.28	34.9	3.01	33.8	2.68	33.6	2.56	33.4	2.47	32.7	2.21
		25.4	39.8	3.49	38.5	3.22	37.4	2.90	37.1	2.76	36.8	2.66	36.2	2.39
		30.5	41.7	3.59	40.3	3.33	39.2	3.00	38.8	2.86	38.6	2.75	37.9	2.48
	32	8.1	55.0	4.12	52.4	3.86	50.0	3.55	49.3	3.38	48.5	3.26	46.7	2.92
		13.2	55.7	4.14	53.0	3.89	50.6	3.57	49.9	3.40	49.1	3.28	47.3	2.94
		20.3	56.6	4.17	53.9	3.92	51.5	3.59	50.7	3.43	49.9	3.30	48.1	2.96
		25.4	57.4	4.17	54.8	3.92	52.4	3.59	51.5	3.43	50.7	3.30	48.8	2.96
		30.5	57.8	4.17	55.2	3.92	52.8	3.59	51.8	3.43	51.1	3.30	49.2	2.96
	41	8.1	77.7	4.42	75.2	4.17	72.8	3.86	71.3	3.68	68.1	3.54	64.9	3.18
		13.2	77.9	4.46	75.1	4.21	72.8	3.90	71.3	3.72	68.1	3.58	64.9	3.21
		20.3	78.1	4.52	74.9	4.27	72.8	3.95	71.3	3.77	68.1	3.64	64.9	3.26
		25.4	78.5	4.55	75.1	4.30	72.8	3.99	71.3	3.80	68.1	3.66	64.9	3.29
		30.5	78.7	4.56	75.2	4.31	72.8	4.00	71.3	3.81	68.1	3.68	64.9	3.30
	50	8.1	78.1	3.90	75.4	3.71	72.8	3.49	71.3	3.35	68.1	3.22	64.9	2.90
		13.2	78.0	3.91	75.2	3.72	72.8	3.50	71.3	3.36	68.1	3.21	64.9	2.90
		20.3	77.9	3.92	75.0	3.73	72.8	3.51	71.3	3.37	68.1	3.20	64.9	2.91
		25.4	78.4	3.91	75.2	3.72	72.8	3.50	71.3	3.36	68.1	3.21	64.9	2.92
		30.5	78.7	3.90	75.3	3.72	72.8	3.50	71.3	3.36	68.1	3.22	64.9	2.93
	59	8.1	78.5	3.38	75.7	3.26	72.8	3.14	71.3	3.03	68.1	2.89	64.9	2.62
		13.2	78.2	3.35	75.4	3.23	72.8	3.11	71.3	3.00	68.1	2.84	64.9	2.59
		20.3	77.8	3.31	75.0	3.19	72.8	3.07	71.3	2.97	68.1	2.76	64.9	2.56
		25.4	78.4	3.27	75.3	3.14	72.8	3.02	71.3	2.92	68.1	2.76	64.9	2.56
		30.5	78.6	3.24	75.4	3.12	72.8	2.99	71.3	2.89	68.1	2.76	64.9	2.56
	68	8.1	79.0	2.85	76.0	2.77	72.8	2.68	71.3	2.57	68.1	2.48	64.9	2.33
		13.2	78.8	2.85	75.7	2.75	72.8	2.65	71.3	2.54	68.1	2.43	64.9	2.28
		20.3	78.6	2.85	75.3	2.73	72.8	2.61	71.3	2.51	68.1	2.36	64.9	2.20
		25.4	78.8	2.81	75.5	2.71	72.8	2.61	71.3	2.51	68.1	2.36	64.9	2.20
		30.5	78.9	2.78	75.6	2.70	72.8	2.61	71.3	2.51	68.1	2.36	64.9	2.20
	77	8.1	80.3	2.49	77.0	2.36	72.8	2.26	71.3	2.15	68.1	2.06	64.9	1.91
		13.2	80.7	2.48	77.0	2.35	72.8	2.23	71.3	2.15	68.1	2.03	64.9	1.88
		20.3	81.2	2.47	77.0	2.33	72.8	2.20	71.3	2.15	68.1	2.00	64.9	1.84
		25.4	81.5	2.40	77.0	2.28	72.8	2.20	71.3	2.10	68.1	2.00	64.9	1.84
		30.5	81.7	2.37	77.0	2.25	72.8	2.20	71.3	2.07	68.1	2.00	64.9	1.84
	86	8.1	81.5	2.26	77.0	2.11	72.8	1.95	71.3	1.91	68.1	1.80	64.9	1.64
		13.2	81.5	2.23	77.0	2.08	72.8	1.93	71.3	1.88	68.1	1.77	64.9	1.64
		20.3	81.5	2.20	77.0	2.05	72.8	1.90	71.3	1.84	68.1	1.74	64.9	1.64
		25.4	81.5	2.15	77.0	2.00	72.8	1.90	71.3	1.84	68.1	1.74	64.9	1.59
		30.5	81.5	2.12	77.0	1.97	72.8	1.90	71.3	1.84	68.1	1.74	64.9	1.56
	95	8.1	81.5	2.06	77.0	1.91	72.8	1.75	71.3	1.70	68.1	1.60	64.9	1.49
		13.2	81.5	2.03	77.0	1.88	72.8	1.72	71.3	1.67	68.1	1.57	64.9	1.46
		20.3	81.5	2.00	77.0	1.84	72.8	1.69	71.3	1.64	68.1	1.54	64.9	1.43
		25.4	81.5	1.94	77.0	1.79	72.8	1.64	71.3	1.59	68.1	1.54	64.9	1.43
		30.5	81.5	1.92	77.0	1.76	72.8	1.61	71.3	1.56	68.1	1.54	64.9	1.43
	104	8.1	81.5	1.92	77.0	1.75	72.8	1.55	71.3	1.49	68.1	1.45	64.9	1.34
		13.2	81.5	1.87	77.0	1.72	72.8	1.52	71.3	1.46	68.1	1.42	64.9	1.31
		20.3	81.5	1.79	77.0	1.69	72.8	1.48	71.3	1.43	68.1	1.38	64.9	1.28
		25.4	81.5	1.79	77.0	1.69	72.8	1.48	71.3	1.43	68.1	1.38	64.9	1.28
		30.5	81.5	1.79	77.0	1.69	72.8	1.48	71.3	1.43	68.1	1.38	64.9	1.28
	113	8.1	81.5	1.78	77.0	1.60	72.8	1.34	71.3	1.29	68.1	1.29	64.9	1.19
		13.2	81.5	1.70	77.0	1.57	72.8	1.31	71.3	1.26	68.1	1.26	64.9	1.16
		20.3	81.5	1.59	77.0	1.54	72.8	1.28	71.3	1.23	68.1	1.23	64.9	1.13
		25.4	81.5	1.64	77.0	1.59	72.8	1.33	71.3	1.28	68.1	1.23	64.9	1.13
		30.5	81.5	1.66	77.0	1.61	72.8	1.35	71.3	1.31	68.1	1.23	64.9	1.13

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

### 72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	8.1	29.1	2.15	27.2	2.07	25.8	1.98	25.5	1.92	25.3	1.83	24.8	1.68
		13.2	31.1	2.25	29.2	2.17	27.6	2.07	27.3	2.00	27.1	1.91	26.6	1.76
		20.3	34.0	2.39	31.9	2.30	30.1	2.20	29.8	2.12	29.7	2.03	29.1	1.86
		25.4	37.6	2.58	35.2	2.48	33.3	2.37	32.9	2.29	32.8	2.19	32.1	2.01
		30.5	39.4	2.67	36.9	2.57	34.9	2.46	34.5	2.38	34.3	2.27	33.6	2.09
	32	8.1	51.9	3.16	47.9	3.03	44.6	2.91	43.7	2.81	43.1	2.68	41.5	2.47
		13.2	52.6	3.18	48.5	3.05	45.1	2.93	44.3	2.83	43.7	2.70	42.0	2.48
		20.3	53.5	3.21	49.3	3.08	45.9	2.95	45.1	2.85	44.5	2.72	42.7	2.50
		25.4	54.3	3.21	50.0	3.08	46.6	2.95	45.7	2.85	45.1	2.72	43.4	2.50
		30.5	54.6	3.21	50.4	3.08	47.0	2.95	46.1	2.85	45.5	2.72	43.7	2.50
	41	8.1	71.8	3.44	67.8	3.31	64.8	3.16	63.4	3.05	60.7	2.91	57.6	2.68
		13.2	72.1	3.48	68.1	3.34	64.8	3.19	63.4	3.08	60.7	2.94	57.6	2.71
		20.3	72.6	3.53	68.4	3.39	64.9	3.24	63.4	3.13	60.7	2.99	57.6	2.75
		25.4	72.6	3.55	68.3	3.41	64.9	3.27	63.4	3.15	60.7	3.01	57.6	2.77
		30.5	72.6	3.56	68.3	3.43	64.9	3.28	63.4	3.17	60.7	3.02	57.6	2.78
	50	8.1	72.2	3.16	68.0	3.02	64.8	2.87	63.4	2.79	60.7	2.64	57.6	2.44
		13.2	72.4	3.15	68.2	3.01	64.8	2.87	63.4	2.79	60.7	2.64	57.6	2.44
		20.3	72.6	3.14	68.4	3.00	64.9	2.87	63.4	2.79	60.7	2.65	57.6	2.45
		25.4	72.6	3.13	68.3	3.01	64.9	2.88	63.4	2.78	60.7	2.63	57.6	2.43
		30.5	72.6	3.13	68.3	3.02	64.9	2.89	63.4	2.77	60.7	2.62	57.6	2.43
	59	8.1	72.6	2.89	68.3	2.74	64.9	2.57	63.4	2.52	60.7	2.37	57.6	2.22
		13.2	72.6	2.84	68.3	2.69	64.9	2.54	63.4	2.49	60.7	2.34	57.6	2.19
		20.3	72.6	2.76	68.3	2.61	64.9	2.51	63.4	2.46	60.7	2.30	57.6	2.15
		25.4	72.6	2.71	68.3	2.61	64.9	2.51	63.4	2.40	60.7	2.25	57.6	2.10
		30.5	72.6	2.68	68.3	2.61	64.9	2.51	63.4	2.38	60.7	2.22	57.6	2.07
	68	8.1	72.6	2.42	68.3	2.32	64.9	2.20	63.4	2.16	60.7	2.06	57.6	1.91
		13.2	72.6	2.39	68.3	2.29	64.9	2.20	63.4	2.13	60.7	2.03	57.6	1.88
		20.3	72.6	2.36	68.3	2.25	64.9	2.20	63.4	2.10	60.7	2.00	57.6	1.84
		25.4	72.6	2.30	68.3	2.20	64.9	2.15	63.4	2.10	60.7	1.94	57.6	1.84
		30.5	72.6	2.28	68.3	2.18	64.9	2.12	63.4	2.10	60.7	1.92	57.6	1.84
	77	8.1	72.6	2.16	68.3	2.01	64.9	1.90	63.4	1.86	60.7	1.75	57.6	1.65
		13.2	72.6	2.13	68.3	1.98	64.9	1.90	63.4	1.83	60.7	1.72	57.6	1.62
		20.3	72.6	2.10	68.3	1.94	64.9	1.90	63.4	1.79	60.7	1.69	57.6	1.59
		25.4	72.6	2.05	68.3	1.94	64.9	1.84	63.4	1.79	60.7	1.69	57.6	1.59
		30.5	72.6	2.02	68.3	1.94	64.9	1.82	63.4	1.79	60.7	1.69	57.6	1.59
	86	8.1	72.6	1.91	68.3	1.80	64.9	1.70	63.4	1.65	60.7	1.55	57.6	1.45
		13.2	72.6	1.88	68.3	1.77	64.9	1.67	63.4	1.62	60.7	1.52	57.6	1.42
		20.3	72.6	1.84	68.3	1.74	64.9	1.64	63.4	1.59	60.7	1.48	57.6	1.38
		25.4	72.6	1.84	68.3	1.74	64.9	1.64	63.4	1.59	60.7	1.48	57.6	1.38
		30.5	72.6	1.84	68.3	1.74	64.9	1.64	63.4	1.59	60.7	1.48	57.6	1.38
	95	8.1	72.6	1.75	68.3	1.65	64.9	1.49	63.4	1.43	60.7	1.39	57.6	1.28
		13.2	72.6	1.72	68.3	1.62	64.9	1.46	63.4	1.43	60.7	1.36	57.6	1.28
		20.3	72.6	1.69	68.3	1.59	64.9	1.43	63.4	1.43	60.7	1.33	57.6	1.28
		25.4	72.6	1.69	68.3	1.54	64.9	1.43	63.4	1.38	60.7	1.33	57.6	1.23
		30.5	72.6	1.69	68.3	1.51	64.9	1.43	63.4	1.35	60.7	1.33	57.6	1.20
	104	8.1	72.6	1.66	68.3	1.49	64.9	1.33	63.4	1.34	60.7	1.23	57.6	1.19
		13.2	72.6	1.61	68.3	1.46	64.9	1.33	63.4	1.31	60.7	1.23	57.6	1.16
		20.3	72.6	1.54	68.3	1.43	64.9	1.33	63.4	1.28	60.7	1.23	57.6	1.13
		25.4	72.6	1.54	68.3	1.43	64.9	1.28	63.4	1.28	60.7	1.23	57.6	1.13
		30.5	72.6	1.54	68.3	1.43	64.9	1.26	63.4	1.28	60.7	1.23	57.6	1.13
	113	8.1	72.6	1.57	68.3	1.34	64.9	1.16	63.4	1.25	60.7	1.06	57.6	1.10
		13.2	72.6	1.49	68.3	1.31	64.9	1.19	63.4	1.20	60.7	1.09	57.6	1.05
		20.3	72.6	1.38	68.3	1.28	64.9	1.23	63.4	1.13	60.7	1.13	57.6	0.97
		25.4	72.6	1.38	68.3	1.33	64.9	1.13	63.4	1.18	60.7	1.13	57.6	1.02
		30.5	72.6	1.38	68.3	1.35	64.9	1.08	63.4	1.20	60.7	1.13	57.6	1.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM072BAS5

72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

MULTI V Water 5 Outdoor Unit Performance Data Manual

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	8.1	25.3	1.85	23.8	1.76	22.5	1.70	22.3	1.61	22.1	1.55	21.8	1.41
		13.2	27.1	1.93	25.5	1.84	24.1	1.78	23.9	1.68	23.7	1.62	23.3	1.47
		20.3	29.7	2.05	27.9	1.95	26.3	1.89	26.1	1.78	25.9	1.72	25.5	1.56
		25.4	32.9	2.21	30.8	2.11	29.1	2.04	28.9	1.92	28.6	1.85	28.1	1.68
		30.5	34.4	2.30	32.3	2.18	30.5	2.11	30.3	1.99	30.0	1.92	29.4	1.74
	32	8.1	45.4	2.71	41.9	2.58	39.0	2.50	38.3	2.35	37.7	2.27	36.3	2.06
		13.2	45.9	2.73	42.4	2.59	39.5	2.52	38.8	2.36	38.2	2.28	36.8	2.07
		20.3	46.7	2.75	43.2	2.61	40.1	2.54	39.4	2.38	38.8	2.30	37.4	2.09
		25.4	47.4	2.75	43.9	2.61	40.7	2.54	40.0	2.38	39.4	2.30	38.0	2.09
		30.5	47.7	2.75	44.2	2.61	41.0	2.54	40.3	2.38	39.7	2.30	38.3	2.09
	41	8.1	62.7	2.95	59.4	2.81	56.6	2.72	55.4	2.56	52.9	2.47	50.4	2.24
		13.2	63.0	2.98	59.7	2.84	56.6	2.75	55.4	2.59	52.9	2.50	50.4	2.27
		20.3	63.4	3.02	60.0	2.88	56.7	2.79	55.4	2.62	52.9	2.54	50.4	2.30
		25.4	63.4	3.04	59.9	2.90	56.7	2.81	55.4	2.64	52.9	2.55	50.4	2.32
		30.5	63.4	3.05	59.9	2.91	56.7	2.82	55.4	2.65	52.9	2.56	50.4	2.33
	50	8.1	63.0	2.72	59.6	2.57	56.7	2.47	55.4	2.33	52.9	2.24	50.4	2.05
		13.2	63.2	2.71	59.7	2.56	56.7	2.46	55.4	2.33	52.9	2.24	50.4	2.05
		20.3	63.4	2.69	59.9	2.54	56.7	2.45	55.4	2.33	52.9	2.24	50.4	2.05
		25.4	63.4	2.70	59.9	2.55	56.7	2.46	55.4	2.34	52.9	2.22	50.4	2.05
		30.5	63.4	2.70	59.9	2.56	56.7	2.46	55.4	2.35	52.9	2.22	50.4	2.06
	59	8.1	63.4	2.48	59.9	2.33	56.7	2.23	55.4	2.11	52.9	2.01	50.4	1.86
		13.2	63.4	2.43	59.9	2.28	56.7	2.18	55.4	2.08	52.9	1.98	50.4	1.83
		20.3	63.4	2.36	59.9	2.20	56.7	2.10	55.4	2.05	52.9	1.94	50.4	1.79
		25.4	63.4	2.36	59.9	2.20	56.7	2.10	55.4	2.05	52.9	1.90	50.4	1.79
		30.5	63.4	2.36	59.9	2.20	56.7	2.10	55.4	2.05	52.9	1.87	50.4	1.79
	68	8.1	63.4	2.06	59.9	1.95	56.7	1.91	55.4	1.86	52.9	1.75	50.4	1.65
		13.2	63.4	2.03	59.9	1.93	56.7	1.88	55.4	1.83	52.9	1.72	50.4	1.62
		20.3	63.4	2.00	59.9	1.90	56.7	1.84	55.4	1.79	52.9	1.69	50.4	1.59
		25.4	63.4	2.00	59.9	1.90	56.7	1.84	55.4	1.74	52.9	1.69	50.4	1.54
		30.5	63.4	2.00	59.9	1.90	56.7	1.84	55.4	1.72	52.9	1.69	50.4	1.51
	77	8.1	63.4	1.86	59.9	1.75	56.7	1.65	55.4	1.60	52.9	1.48	50.4	1.38
		13.2	63.4	1.83	59.9	1.72	56.7	1.62	55.4	1.57	52.9	1.48	50.4	1.38
		20.3	63.4	1.79	59.9	1.69	56.7	1.59	55.4	1.54	52.9	1.48	50.4	1.38
		25.4	63.4	1.74	59.9	1.64	56.7	1.59	55.4	1.54	52.9	1.43	50.4	1.38
		30.5	63.4	1.72	59.9	1.61	56.7	1.59	55.4	1.54	52.9	1.41	50.4	1.38
	86	8.1	63.4	1.65	59.9	1.55	56.7	1.45	55.4	1.38	52.9	1.34	50.4	1.23
		13.2	63.4	1.62	59.9	1.52	56.7	1.42	55.4	1.38	52.9	1.31	50.4	1.23
		20.3	63.4	1.59	59.9	1.48	56.7	1.38	55.4	1.38	52.9	1.28	50.4	1.23
		25.4	63.4	1.59	59.9	1.48	56.7	1.38	55.4	1.33	52.9	1.28	50.4	1.23
		30.5	63.4	1.59	59.9	1.48	56.7	1.38	55.4	1.30	52.9	1.28	50.4	1.23
	95	8.1	63.4	1.49	59.9	1.39	56.7	1.28	55.4	1.29	52.9	1.18	50.4	1.14
		13.2	63.4	1.46	59.9	1.36	56.7	1.28	55.4	1.26	52.9	1.18	50.4	1.11
		20.3	63.4	1.43	59.9	1.33	56.7	1.28	55.4	1.23	52.9	1.18	50.4	1.07
		25.4	63.4	1.43	59.9	1.33	56.7	1.23	55.4	1.23	52.9	1.18	50.4	1.07
		30.5	63.4	1.43	59.9	1.33	56.7	1.20	55.4	1.23	52.9	1.18	50.4	1.07
	104	8.1	63.4	1.39	59.9	1.29	56.7	1.19	55.4	1.13	52.9	1.07	50.4	1.03
		13.2	63.4	1.36	59.9	1.26	56.7	1.16	55.4	1.13	52.9	1.07	50.4	1.00
		20.3	63.4	1.33	59.9	1.23	56.7	1.13	55.4	1.13	52.9	1.07	50.4	0.97
		25.4	63.4	1.33	59.9	1.23	56.7	1.13	55.4	1.07	52.9	1.02	50.4	0.97
		30.5	63.4	1.33	59.9	1.23	56.7	1.13	55.4	1.05	52.9	0.99	50.4	0.97
	113	8.1	63.4	1.29	59.9	1.19	56.7	1.10	55.4	0.96	52.9	0.97	50.4	0.93
		13.2	63.4	1.26	59.9	1.16	56.7	1.05	55.4	0.99	52.9	0.97	50.4	0.90
		20.3	63.4	1.23	59.9	1.13	56.7	0.97	55.4	1.02	52.9	0.97	50.4	0.87
		25.4	63.4	1.23	59.9	1.13	56.7	1.02	55.4	0.92	52.9	0.87	50.4	0.87
		30.5	63.4	1.23	59.9	1.13	56.7	1.05	55.4	0.87	52.9	0.81	50.4	0.87

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	8.1	21.8	1.50	20.4	1.44	19.3	1.39	19.1	1.29	19.0	1.27	18.6	1.13
		13.2	23.3	1.57	21.9	1.51	20.7	1.45	20.5	1.35	20.4	1.33	20.0	1.18
		20.3	25.5	1.67	23.9	1.60	22.6	1.54	22.4	1.43	22.3	1.41	21.9	1.26
		25.4	28.2	1.79	26.4	1.73	25.0	1.66	24.7	1.55	24.6	1.52	24.1	1.36
		30.5	29.5	1.86	27.6	1.79	26.2	1.72	25.9	1.60	25.8	1.58	25.3	1.40
	32	8.1	39.0	2.20	35.9	2.12	33.5	2.03	32.8	1.89	32.4	1.86	31.2	1.66
		13.2	39.5	2.21	36.3	2.13	33.9	2.04	33.2	1.90	32.8	1.87	31.5	1.67
		20.3	40.1	2.23	36.9	2.15	34.5	2.06	33.8	1.92	33.3	1.89	32.0	1.68
		25.4	40.7	2.23	37.5	2.15	35.0	2.06	34.3	1.92	33.8	1.89	32.6	1.68
		30.5	41.0	2.23	37.8	2.15	35.3	2.06	34.5	1.92	34.1	1.89	32.8	1.68
	41	8.1	53.8	2.40	50.8	2.31	48.7	2.21	47.5	2.06	45.4	2.03	43.3	1.81
		13.2	54.1	2.43	51.0	2.34	48.7	2.24	47.5	2.08	45.4	2.05	43.3	1.83
		20.3	54.4	2.46	51.2	2.37	48.7	2.27	47.5	2.11	45.4	2.08	43.3	1.85
		25.4	54.4	2.48	51.2	2.38	48.7	2.29	47.5	2.13	45.4	2.09	43.3	1.87
		30.5	54.4	2.49	51.1	2.39	48.7	2.29	47.5	2.14	45.4	2.10	43.3	1.88
	50	8.1	54.1	2.20	51.0	2.11	48.7	2.01	47.5	1.87	45.4	1.84	43.3	1.65
		13.2	54.2	2.20	51.1	2.11	48.7	2.01	47.5	1.88	45.4	1.84	43.3	1.66
		20.3	54.4	2.20	51.2	2.11	48.7	2.01	47.5	1.90	45.4	1.83	43.3	1.67
		25.4	54.4	2.21	51.2	2.09	48.7	1.99	47.5	1.88	45.4	1.82	43.3	1.65
		30.5	54.4	2.21	51.1	2.07	48.7	1.97	47.5	1.87	45.4	1.81	43.3	1.64
	59	8.1	54.4	2.01	51.2	1.91	48.7	1.80	47.5	1.69	45.4	1.65	43.3	1.48
		13.2	54.4	1.98	51.2	1.88	48.7	1.77	47.5	1.69	45.4	1.62	43.3	1.48
		20.3	54.4	1.94	51.2	1.84	48.7	1.74	47.5	1.69	45.4	1.59	43.3	1.48
		25.4	54.4	1.94	51.2	1.79	48.7	1.69	47.5	1.64	45.4	1.54	43.3	1.43
		30.5	54.4	1.94	51.2	1.76	48.7	1.66	47.5	1.61	45.4	1.51	43.3	1.41
	68	8.1	54.4	1.75	51.2	1.65	48.7	1.55	47.5	1.49	45.4	1.45	43.3	1.34
		13.2	54.4	1.72	51.2	1.62	48.7	1.52	47.5	1.46	45.4	1.42	43.3	1.31
		20.3	54.4	1.69	51.2	1.59	48.7	1.48	47.5	1.43	45.4	1.38	43.3	1.28
		25.4	54.4	1.69	51.2	1.59	48.7	1.48	47.5	1.43	45.4	1.38	43.3	1.28
		30.5	54.4	1.69	51.2	1.59	48.7	1.48	47.5	1.43	45.4	1.38	43.3	1.28
	77	8.1	54.4	1.55	51.2	1.45	48.7	1.33	47.5	1.34	45.4	1.23	43.3	1.19
		13.2	54.4	1.52	51.2	1.42	48.7	1.33	47.5	1.31	45.4	1.23	43.3	1.16
		20.3	54.4	1.48	51.2	1.38	48.7	1.33	47.5	1.28	45.4	1.23	43.3	1.13
		25.4	54.4	1.48	51.2	1.38	48.7	1.28	47.5	1.28	45.4	1.23	43.3	1.13
		30.5	54.4	1.48	51.2	1.38	48.7	1.26	47.5	1.28	45.4	1.23	43.3	1.13
	86	8.1	54.4	1.39	51.2	1.29	48.7	1.24	47.5	1.19	45.4	1.14	43.3	1.09
		13.2	54.4	1.36	51.2	1.26	48.7	1.21	47.5	1.16	45.4	1.11	43.3	1.06
		20.3	54.4	1.33	51.2	1.23	48.7	1.18	47.5	1.13	45.4	1.07	43.3	1.02
		25.4	54.4	1.33	51.2	1.23	48.7	1.18	47.5	1.13	45.4	1.07	43.3	1.02
		30.5	54.4	1.33	51.2	1.23	48.7	1.18	47.5	1.13	45.4	1.07	43.3	1.02
	95	8.1	54.4	1.23	51.2	1.19	48.7	1.07	47.5	1.09	45.4	1.03	43.3	0.99
		13.2	54.4	1.23	51.2	1.16	48.7	1.07	47.5	1.06	45.4	1.00	43.3	0.96
		20.3	54.4	1.23	51.2	1.13	48.7	1.07	47.5	1.02	45.4	0.97	43.3	0.92
		25.4	54.4	1.23	51.2	1.13	48.7	1.02	47.5	1.02	45.4	0.97	43.3	0.92
		30.5	54.4	1.23	51.2	1.13	48.7	0.99	47.5	1.02	45.4	0.97	43.3	0.92
	104	8.1	54.4	1.13	51.2	1.09	48.7	0.97	47.5	0.99	45.4	0.93	43.3	0.87
		13.2	54.4	1.13	51.2	1.06	48.7	0.97	47.5	0.96	45.4	0.90	43.3	0.87
		20.3	54.4	1.13	51.2	1.02	48.7	0.97	47.5	0.92	45.4	0.87	43.3	0.87
		25.4	54.4	1.13	51.2	1.02	48.7	0.97	47.5	0.92	45.4	0.87	43.3	0.87
		30.5	54.4	1.13	51.2	1.02	48.7	0.97	47.5	0.92	45.4	0.87	43.3	0.87
	113	8.1	54.4	1.02	51.2	0.99	48.7	0.87	47.5	0.88	45.4	0.83	43.3	0.75
		13.2	54.4	1.02	51.2	0.96	48.7	0.87	47.5	0.85	45.4	0.80	43.3	0.78
		20.3	54.4	1.02	51.2	0.92	48.7	0.87	47.5	0.82	45.4	0.77	43.3	0.82
		25.4	54.4	1.02	51.2	0.92	48.7	0.92	47.5	0.82	45.4	0.77	43.3	0.82
		30.5	54.4	1.02	51.2	0.92	48.7	0.95	47.5	0.82	45.4	0.77	43.3	0.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM072BAS5

72,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	23	8.1	18.2	1.20	17.1	1.13	16.1	1.07	15.9	1.01	15.8	0.95	15.5	0.90
		13.2	19.5	1.25	18.3	1.18	17.2	1.12	17.0	1.06	16.9	1.00	16.6	0.94
		20.3	21.2	1.32	19.9	1.26	18.8	1.19	18.6	1.13	18.5	1.06	18.2	1.00
		25.4	23.4	1.43	22.0	1.36	20.8	1.28	20.6	1.22	20.4	1.14	20.1	1.07
		30.5	24.6	1.48	23.1	1.40	21.8	1.33	21.6	1.26	21.4	1.18	21.1	1.11
	32	8.1	32.4	1.75	30.0	1.66	27.9	1.57	27.3	1.49	26.9	1.40	25.9	1.32
		13.2	32.8	1.76	30.3	1.67	28.2	1.58	27.6	1.50	27.2	1.41	26.2	1.33
		20.3	33.3	1.77	30.8	1.68	28.7	1.59	28.1	1.51	27.7	1.42	26.7	1.34
		25.4	33.8	1.77	31.3	1.68	29.1	1.59	28.6	1.51	28.1	1.42	27.1	1.34
		30.5	34.1	1.77	31.5	1.68	29.3	1.59	28.8	1.51	28.3	1.42	27.4	1.34
	41	8.1	44.7	1.91	42.4	1.81	40.4	1.71	39.5	1.62	37.7	1.52	36.0	1.43
		13.2	44.9	1.93	42.6	1.83	40.4	1.73	39.5	1.64	37.7	1.54	36.0	1.45
		20.3	45.2	1.95	42.8	1.85	40.5	1.75	39.5	1.66	37.7	1.56	36.0	1.47
		25.4	45.2	1.97	42.7	1.87	40.5	1.76	39.5	1.67	37.7	1.57	36.0	1.48
		30.5	45.2	1.98	42.7	1.88	40.5	1.77	39.5	1.68	37.7	1.58	36.0	1.49
	50	8.1	45.0	1.75	42.5	1.65	40.4	1.55	39.5	1.48	37.7	1.37	36.0	1.31
		13.2	45.1	1.75	42.6	1.65	40.4	1.55	39.5	1.48	37.7	1.38	36.0	1.31
		20.3	45.2	1.74	42.8	1.65	40.5	1.54	39.5	1.47	37.7	1.39	36.0	1.30
		25.4	45.2	1.75	42.7	1.65	40.5	1.55	39.5	1.48	37.7	1.37	36.0	1.30
		30.5	45.2	1.76	42.7	1.65	40.5	1.55	39.5	1.48	37.7	1.36	36.0	1.30
	59	8.1	45.2	1.60	42.7	1.49	40.5	1.39	39.5	1.34	37.7	1.23	36.0	1.19
		13.2	45.2	1.57	42.7	1.46	40.5	1.36	39.5	1.31	37.7	1.23	36.0	1.16
		20.3	45.2	1.54	42.7	1.43	40.5	1.33	39.5	1.28	37.7	1.23	36.0	1.13
		25.4	45.2	1.54	42.7	1.43	40.5	1.33	39.5	1.28	37.7	1.18	36.0	1.13
		30.5	45.2	1.54	42.7	1.43	40.5	1.33	39.5	1.28	37.7	1.15	36.0	1.13
	68	8.1	45.2	1.39	42.7	1.29	40.5	1.24	39.5	1.19	37.7	1.14	36.0	1.02
		13.2	45.2	1.36	42.7	1.26	40.5	1.21	39.5	1.16	37.7	1.11	36.0	1.02
		20.3	45.2	1.33	42.7	1.23	40.5	1.18	39.5	1.13	37.7	1.07	36.0	1.02
		25.4	45.2	1.33	42.7	1.23	40.5	1.18	39.5	1.13	37.7	1.07	36.0	1.02
		30.5	45.2	1.33	42.7	1.23	40.5	1.18	39.5	1.13	37.7	1.07	36.0	1.02
	77	8.1	45.2	1.24	42.7	1.13	40.5	1.09	39.5	1.02	37.7	0.97	36.0	0.92
		13.2	45.2	1.21	42.7	1.13	40.5	1.06	39.5	1.02	37.7	0.97	36.0	0.92
		20.3	45.2	1.18	42.7	1.13	40.5	1.02	39.5	1.02	37.7	0.97	36.0	0.92
		25.4	45.2	1.18	42.7	1.13	40.5	1.02	39.5	1.02	37.7	0.97	36.0	0.92
		30.5	45.2	1.18	42.7	1.13	40.5	1.02	39.5	1.02	37.7	0.97	36.0	0.92
	86	8.1	45.2	1.14	42.7	1.03	40.5	0.99	39.5	0.92	37.7	0.93	36.0	0.88
		13.2	45.2	1.11	42.7	1.00	40.5	0.96	39.5	0.92	37.7	0.90	36.0	0.85
		20.3	45.2	1.07	42.7	0.97	40.5	0.92	39.5	0.92	37.7	0.87	36.0	0.82
		25.4	45.2	1.07	42.7	0.97	40.5	0.92	39.5	0.92	37.7	0.87	36.0	0.82
		30.5	45.2	1.07	42.7	0.97	40.5	0.92	39.5	0.92	37.7	0.87	36.0	0.82
	95	8.1	45.2	1.03	42.7	0.92	40.5	0.87	39.5	0.88	37.7	0.82	36.0	0.77
		13.2	45.2	1.00	42.7	0.92	40.5	0.87	39.5	0.85	37.7	0.82	36.0	0.77
		20.3	45.2	0.97	42.7	0.92	40.5	0.87	39.5	0.82	37.7	0.82	36.0	0.77
		25.4	45.2	0.97	42.7	0.92	40.5	0.87	39.5	0.82	37.7	0.82	36.0	0.77
		30.5	45.2	0.97	42.7	0.92	40.5	0.87	39.5	0.82	37.7	0.82	36.0	0.77
	104	8.1	45.2	0.93	42.7	0.88	40.5	0.83	39.5	0.77	37.7	0.78	36.0	0.71
		13.2	45.2	0.90	42.7	0.85	40.5	0.80	39.5	0.77	37.7	0.75	36.0	0.71
		20.3	45.2	0.87	42.7	0.82	40.5	0.77	39.5	0.77	37.7	0.71	36.0	0.71
		25.4	45.2	0.87	42.7	0.82	40.5	0.77	39.5	0.77	37.7	0.71	36.0	0.71
		30.5	45.2	0.87	42.7	0.82	40.5	0.77	39.5	0.77	37.7	0.71	36.0	0.71
	113	8.1	45.2	0.83	42.7	0.85	40.5	0.79	39.5	0.65	37.7	0.74	36.0	0.67
		13.2	45.2	0.80	42.7	0.79	40.5	0.74	39.5	0.68	37.7	0.69	36.0	0.67
		20.3	45.2	0.77	42.7	0.71	40.5	0.67	39.5	0.71	37.7	0.61	36.0	0.67
		25.4	45.2	0.77	42.7	0.71	40.5	0.67	39.5	0.71	37.7	0.61	36.0	0.67
		30.5	45.2	0.77	42.7	0.71	40.5	0.67	39.5	0.71	37.7	0.61	36.0	0.67

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	10.2	51.1	4.27	50.7	4.02	50.4	3.74	49.7	3.63	50.3	3.53	48.9	3.17
		17.8	55.5	4.46	55.0	4.21	54.7	3.94	54.0	3.83	54.6	3.72	53.2	3.34
		25.4	59.8	4.64	59.3	4.40	59.0	4.14	58.2	4.02	58.9	3.91	57.4	3.51
		31.8	66.1	4.93	65.5	4.71	65.1	4.47	64.3	4.35	65.1	4.22	63.4	3.79
		38.1	69.3	5.08	68.6	4.86	68.2	4.63	67.4	4.51	68.2	4.38	66.4	3.92
	32	10.2	91.3	5.83	89.2	5.66	87.3	5.48	85.4	5.32	85.7	5.18	81.8	4.64
		17.8	92.7	5.87	90.5	5.70	88.6	5.52	86.7	5.36	87.0	5.22	83.1	4.68
		25.4	94.0	5.91	91.7	5.73	89.8	5.56	87.9	5.40	88.2	5.25	84.3	4.71
		31.8	95.4	5.91	93.1	5.73	91.2	5.56	89.2	5.40	89.5	5.25	85.5	4.71
		38.1	96.2	5.91	93.8	5.73	91.9	5.56	89.9	5.40	90.2	5.25	86.1	4.71
	41	10.2	131.5	6.27	129.5	6.12	126.8	5.96	123.6	5.79	120.3	5.63	113.6	5.04
		17.8	132.6	6.34	130.1	6.19	126.9	6.04	123.6	5.87	120.3	5.70	113.6	5.11
		25.4	133.7	6.41	130.6	6.26	126.9	6.11	123.6	5.94	120.3	5.77	113.6	5.18
		31.8	134.5	6.45	131.0	6.30	126.9	6.15	123.6	5.98	120.3	5.82	113.6	5.21
		38.1	134.9	6.48	131.2	6.32	126.9	6.17	123.6	6.01	120.3	5.84	113.6	5.23
	50	10.2	131.6	5.71	129.5	5.51	126.4	5.41	123.1	5.29	119.8	5.11	113.2	4.61
		17.8	133.6	5.68	131.0	5.53	127.7	5.44	124.4	5.29	121.0	5.10	114.3	4.60
		25.4	135.5	5.65	132.5	5.54	128.9	5.46	125.6	5.28	122.1	5.09	115.4	4.59
		31.8	136.2	5.73	133.4	5.62	129.7	5.49	126.2	5.30	122.9	5.18	116.1	4.81
		38.1	136.6	5.77	133.9	5.66	130.1	5.50	126.5	5.31	123.3	5.22	116.5	4.92
	59	10.2	131.8	5.14	129.5	4.92	125.9	4.87	122.6	4.79	119.3	4.59	112.7	4.18
		17.8	134.5	5.02	132.0	4.87	128.4	4.85	125.1	4.70	121.6	4.50	115.0	4.09
		25.4	137.2	4.89	134.4	4.82	130.9	4.82	127.6	4.61	123.9	4.41	117.2	4.00
		31.8	137.9	5.01	135.7	4.93	132.5	4.82	128.9	4.61	125.6	4.54	118.6	4.41
		38.1	138.3	5.07	136.4	4.99	133.3	4.82	129.6	4.61	126.4	4.60	119.4	4.62
	68	10.2	136.8	4.72	134.3	4.50	130.8	4.40	127.2	4.26	123.5	4.16	116.2	4.04
		17.8	139.6	4.64	137.0	4.49	133.3	4.39	129.7	4.31	126.2	4.24	118.9	3.96
		25.4	142.3	4.55	139.7	4.48	135.8	4.38	132.2	4.35	128.9	4.31	121.6	3.87
		31.8	142.9	4.55	140.8	4.48	137.4	4.41	133.5	4.35	129.9	4.31	122.6	4.12
		38.1	143.2	4.55	141.3	4.48	138.2	4.42	134.2	4.35	130.4	4.31	123.1	4.24
	77	10.2	144.5	4.50	140.8	4.37	137.4	4.29	134.8	4.22	131.8	4.16	124.3	3.89
		17.8	144.5	4.46	140.8	4.35	137.4	4.25	134.8	4.18	131.8	4.12	124.3	3.85
		25.4	144.5	4.41	140.8	4.33	137.4	4.21	134.8	4.14	131.8	4.07	124.3	3.80
		31.8	144.5	4.35	140.8	4.22	137.4	4.14	134.8	4.07	131.8	4.00	124.3	3.74
		38.1	144.5	4.32	140.8	4.16	137.4	4.11	134.8	4.04	131.8	3.97	124.3	3.70
	86	10.2	144.5	4.38	140.8	4.16	137.4	4.13	134.8	4.02	131.8	3.98	124.3	3.70
		17.8	144.5	4.30	140.8	4.15	137.4	4.07	134.8	3.98	131.8	3.89	124.3	3.62
		25.4	144.5	4.21	140.8	4.13	137.4	4.00	134.8	3.94	131.8	3.80	124.3	3.53
		31.8	144.5	4.14	140.8	4.02	137.4	3.94	134.8	3.87	131.8	3.80	124.3	3.53
		38.1	144.5	4.11	140.8	3.96	137.4	3.91	134.8	3.83	131.8	3.80	124.3	3.53
	95	10.2	144.5	4.18	140.8	4.04	137.4	3.96	134.8	3.82	131.8	3.68	124.3	3.43
		17.8	144.5	4.09	140.8	3.99	137.4	3.92	134.8	3.78	131.8	3.64	124.3	3.35
		25.4	144.5	4.00	140.8	3.93	137.4	3.87	134.8	3.74	131.8	3.60	124.3	3.26
		31.8	144.5	4.00	140.8	3.88	137.4	3.80	134.8	3.67	131.8	3.53	124.3	3.26
		38.1	144.5	4.00	140.8	3.86	137.4	3.76	134.8	3.63	131.8	3.50	124.3	3.26
	104	10.2	144.5	4.04	140.8	3.91	137.4	3.83	134.8	3.70	131.8	3.57	124.3	3.22
		17.8	144.5	3.96	140.8	3.85	137.4	3.75	134.8	3.62	131.8	3.48	124.3	3.14
		25.4	144.5	3.87	140.8	3.79	137.4	3.67	134.8	3.53	131.8	3.39	124.3	3.06
		31.8	144.5	3.80	140.8	3.72	137.4	3.67	134.8	3.53	131.8	3.39	124.3	3.06
		38.1	144.5	3.76	140.8	3.69	137.4	3.67	134.8	3.53	131.8	3.39	124.3	3.06
	113	10.2	144.5	3.90	140.8	3.78	137.4	3.72	134.8	3.58	131.8	3.44	124.3	3.02
		17.8	144.5	3.82	140.8	3.72	137.4	3.59	134.8	3.46	131.8	3.32	124.3	2.94
		25.4	144.5	3.74	140.8	3.65	137.4	3.46	134.8	3.33	131.8	3.19	124.3	2.85
		31.8	144.5	3.60	140.8	3.56	137.4	3.53	134.8	3.39	131.8	3.26	124.3	2.85
		38.1	144.5	3.53	140.8	3.51	137.4	3.57	134.8	3.42	131.8	3.29	124.3	2.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM096BAS5

96,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	23	10.2	48.6	4.27	48.2	4.02	47.9	3.74	47.3	3.58	47.7	3.48	46.4	3.11
		17.8	52.8	4.46	52.3	4.21	52.0	3.94	51.4	3.78	51.8	3.67	50.4	3.29
		25.4	56.9	4.64	56.4	4.40	56.1	4.14	55.4	3.97	55.9	3.86	54.4	3.46
		31.8	62.8	4.93	62.3	4.71	61.9	4.47	61.2	4.28	61.7	4.16	60.0	3.72
	32	38.1	65.8	5.08	65.3	4.86	64.8	4.63	64.1	4.44	64.6	4.31	62.8	3.86
		10.2	86.8	5.83	84.7	5.66	82.9	5.48	81.2	5.24	81.2	5.10	77.5	4.56
		17.8	88.1	5.87	86.0	5.70	84.2	5.52	82.4	5.28	82.4	5.14	78.7	4.60
		25.4	89.3	5.91	87.2	5.73	85.4	5.56	83.6	5.32	83.6	5.17	79.9	4.63
	41	31.8	90.7	5.91	88.6	5.73	86.7	5.56	84.9	5.32	84.8	5.17	81.1	4.63
		38.1	91.4	5.91	89.3	5.73	87.4	5.56	85.6	5.32	85.4	5.17	81.7	4.63
		10.2	125.1	6.27	123.2	6.12	120.6	5.96	117.6	5.71	113.9	5.55	107.7	4.97
		17.8	126.3	6.34	123.8	6.19	120.6	6.04	117.6	5.79	113.9	5.62	107.7	5.03
	50	25.4	127.4	6.41	124.4	6.26	120.6	6.11	117.6	5.86	113.9	5.69	107.7	5.09
		31.8	128.1	6.45	123.7	6.30	120.6	6.15	117.6	5.90	113.9	5.73	107.7	5.13
		38.1	128.4	6.48	123.3	6.32	120.6	6.17	117.6	5.92	113.9	5.75	107.7	5.14
		10.2	125.6	5.63	123.3	5.48	120.2	5.37	117.3	5.20	113.6	5.03	107.4	4.52
	59	17.8	127.1	5.68	124.6	5.53	121.1	5.42	118.2	5.22	114.4	5.02	108.1	4.54
		25.4	128.5	5.73	125.8	5.58	121.9	5.46	119.0	5.24	115.1	5.01	108.8	4.55
		31.8	129.2	5.71	125.4	5.58	122.4	5.49	119.5	5.26	115.6	5.04	109.3	4.71
		38.1	129.6	5.70	125.2	5.58	122.6	5.50	119.7	5.27	115.9	5.05	109.6	4.78
	68	10.2	126.0	5.00	123.4	4.85	119.9	4.77	117.0	4.70	113.3	4.51	107.1	4.09
		17.8	127.8	5.03	125.3	4.88	121.6	4.80	118.7	4.66	114.8	4.43	108.6	4.05
		25.4	129.6	5.05	127.2	4.90	123.3	4.82	120.3	4.61	116.2	4.35	110.0	4.00
		31.8	130.3	4.97	127.1	4.86	124.3	4.82	121.3	4.61	117.2	4.35	111.0	4.28
	77	38.1	130.7	4.93	127.0	4.84	124.8	4.82	121.8	4.61	117.7	4.35	111.5	4.42
		10.2	129.5	4.49	127.0	4.30	123.2	4.19	119.8	4.13	115.9	4.08	109.7	3.87
		17.8	131.6	4.49	128.9	4.34	124.9	4.24	121.7	4.17	117.8	4.07	111.3	3.84
		25.4	133.6	4.49	130.8	4.38	126.6	4.28	123.6	4.21	119.6	4.06	112.9	3.80
	86	31.8	134.2	4.45	130.7	4.35	127.6	4.28	124.3	4.21	120.3	4.07	113.6	3.94
		38.1	134.5	4.43	130.7	4.33	128.1	4.28	124.6	4.21	120.6	4.08	114.0	4.01
		10.2	135.8	4.25	131.8	4.05	127.6	3.98	124.9	3.89	121.6	3.82	114.9	3.55
		17.8	136.0	4.21	131.8	4.04	127.6	3.96	124.9	3.85	121.6	3.78	114.9	3.51
	95	25.4	136.1	4.17	131.8	4.02	127.6	3.94	124.9	3.80	121.6	3.74	114.9	3.46
		31.8	136.5	4.02	131.8	3.91	127.6	3.87	124.9	3.80	121.6	3.67	114.9	3.46
		38.1	136.7	3.94	131.8	3.86	127.6	3.83	124.9	3.80	121.6	3.63	114.9	3.46
		10.2	136.5	4.07	131.8	3.86	127.6	3.75	124.9	3.61	121.6	3.57	114.9	3.28
	104	17.8	136.5	3.99	131.8	3.81	127.6	3.71	124.9	3.57	121.6	3.48	114.9	3.24
		25.4	136.5	3.90	131.8	3.75	127.6	3.67	124.9	3.53	121.6	3.39	114.9	3.19
		31.8	136.5	3.77	131.8	3.67	127.6	3.60	124.9	3.53	121.6	3.39	114.9	3.13
		38.1	136.5	3.71	131.8	3.62	127.6	3.56	124.9	3.53	121.6	3.39	114.9	3.09
	113	10.2	136.5	3.88	131.8	3.67	127.6	3.57	124.9	3.43	121.6	3.29	114.9	3.00
		17.8	136.5	3.75	131.8	3.59	127.6	3.48	124.9	3.35	121.6	3.21	114.9	2.96
		25.4	136.5	3.61	131.8	3.50	127.6	3.39	124.9	3.26	121.6	3.13	114.9	2.92
		31.8	136.5	3.57	131.8	3.48	127.6	3.39	124.9	3.26	121.6	3.13	114.9	2.85
	120	38.1	136.5	3.55	131.8	3.46	127.6	3.39	124.9	3.26	121.6	3.13	114.9	2.82
		10.2	136.5	3.77	131.8	3.50	127.6	3.36	124.9	3.22	121.6	3.09	114.9	2.80
		17.8	136.5	3.59	131.8	3.40	127.6	3.28	124.9	3.14	121.6	3.01	114.9	2.76
		25.4	136.5	3.41	131.8	3.30	127.6	3.19	124.9	3.06	121.6	2.92	114.9	2.72
	125	31.8	136.5	3.36	131.8	3.26	127.6	3.19	124.9	3.06	121.6	2.92	114.9	2.65
		38.1	136.5	3.34	131.8	3.24	127.6	3.19	124.9	3.06	121.6	2.92	114.9	2.61
		10.2	136.5	3.65	131.8	3.33	127.6	3.16	124.9	3.02	121.6	2.89	114.9	2.59
		17.8	136.5	3.43	131.8	3.22	127.6	3.07	124.9	2.94	121.6	2.81	114.9	2.55
	130	25.4	136.5	3.20	131.8	3.10	127.6	2.98	124.9	2.85	121.6	2.72	114.9	2.51
		31.8	136.5	3.16	131.8	3.04	127.6	2.98	124.9	2.85	121.6	2.72	114.9	2.44
	135	38.1	136.5	3.14	131.8	3.01	127.6	2.98	124.9	2.85	121.6	2.72	114.9	2.41

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	10.2	45.9	4.32	45.6	4.02	45.3	3.74	44.9	3.58	45.0	3.48	44.0	3.11
		17.8	49.8	4.51	49.5	4.21	49.2	3.94	48.7	3.78	48.8	3.67	47.8	3.29
		25.4	53.7	4.69	53.4	4.40	53.1	4.14	52.5	3.97	52.5	3.86	51.5	3.46
		31.8	59.4	4.99	59.0	4.71	58.7	4.47	58.1	4.28	58.1	4.16	56.9	3.72
	32	38.1	62.2	5.15	61.8	4.86	61.5	4.63	60.9	4.44	60.9	4.31	59.5	3.86
		10.2	82.1	5.91	80.3	5.66	78.6	5.48	77.1	5.24	76.4	5.10	73.5	4.56
		17.8	83.3	5.95	81.5	5.70	79.8	5.52	78.3	5.28	77.6	5.14	74.6	4.60
		25.4	84.5	5.98	82.7	5.73	80.9	5.56	79.4	5.32	78.7	5.17	75.7	4.63
		31.8	85.8	5.98	84.0	5.73	82.2	5.56	80.6	5.32	79.9	5.17	76.8	4.63
	41	38.1	86.5	5.98	84.6	5.73	82.8	5.56	81.2	5.32	80.5	5.17	77.3	4.63
		10.2	119.8	6.36	116.9	6.12	114.2	5.96	111.6	5.71	107.3	5.55	102.1	4.97
		17.8	120.8	6.43	117.5	6.19	114.3	6.04	111.6	5.79	107.3	5.62	102.1	5.03
		25.4	121.8	6.50	118.0	6.26	114.3	6.11	111.6	5.86	107.3	5.69	102.1	5.09
	50	31.8	122.5	6.54	118.3	6.30	114.3	6.15	111.6	5.90	107.3	5.73	102.1	5.13
		38.1	122.8	6.56	118.5	6.32	114.3	6.17	111.6	5.92	107.3	5.75	102.1	5.14
		10.2	120.2	5.70	117.2	5.50	114.1	5.38	111.4	5.20	107.1	5.03	101.9	4.52
		17.8	121.4	5.73	118.0	5.54	114.5	5.42	111.9	5.22	107.6	5.02	102.3	4.54
	59	25.4	122.5	5.75	118.7	5.58	114.9	5.46	112.3	5.24	108.0	5.01	102.6	4.55
		31.8	123.2	5.75	119.3	5.58	115.3	5.45	112.5	5.23	108.2	5.04	102.9	4.60
		38.1	123.5	5.75	119.5	5.58	115.5	5.44	112.6	5.22	108.3	5.05	103.0	4.63
		10.2	120.6	5.04	117.4	4.90	114.0	4.82	111.3	4.70	106.9	4.51	101.8	4.09
	68	17.8	121.9	5.03	118.5	4.90	114.8	4.82	112.1	4.66	107.8	4.43	102.5	4.05
		25.4	123.1	5.01	119.6	4.90	115.6	4.82	112.9	4.61	108.7	4.35	103.1	4.00
		31.8	123.8	4.97	120.2	4.86	116.2	4.75	113.3	4.55	109.0	4.35	103.7	4.07
		38.1	124.1	4.95	120.5	4.84	116.5	4.72	113.5	4.52	109.2	4.35	104.0	4.11
	77	10.2	122.8	4.35	119.4	4.25	115.6	4.14	112.5	4.07	108.4	3.96	102.7	3.70
		17.8	124.5	4.38	120.5	4.25	116.4	4.14	113.6	4.07	109.2	3.92	103.7	3.69
		25.4	126.1	4.40	121.5	4.25	117.2	4.14	114.6	4.07	110.0	3.87	104.7	3.67
		31.8	126.8	4.40	122.5	4.25	117.9	4.14	114.9	4.00	110.6	3.87	105.0	3.67
	86	38.1	127.1	4.40	123.0	4.25	118.3	4.14	115.1	3.97	110.9	3.87	105.1	3.67
		10.2	126.6	3.96	122.9	3.82	117.9	3.75	115.3	3.61	111.3	3.48	105.4	3.19
		17.8	127.3	3.95	122.9	3.78	117.9	3.71	115.3	3.57	111.3	3.44	105.4	3.19
		25.4	127.9	3.93	122.9	3.74	117.9	3.67	115.3	3.53	111.3	3.39	105.4	3.19
	95	31.8	128.5	3.93	122.9	3.75	117.9	3.60	115.3	3.53	111.3	3.33	105.4	3.13
		38.1	128.8	3.93	122.9	3.76	117.9	3.56	115.3	3.53	111.3	3.30	105.4	3.09
		10.2	128.5	3.61	122.9	3.48	117.9	3.35	115.3	3.28	111.3	3.07	105.4	2.87
		17.8	128.5	3.57	122.9	3.44	117.9	3.31	115.3	3.24	111.3	3.03	105.4	2.83
	104	25.4	128.5	3.53	122.9	3.39	117.9	3.26	115.3	3.19	111.3	2.98	105.4	2.78
		31.8	128.5	3.50	122.9	3.33	117.9	3.19	115.3	3.13	111.3	2.98	105.4	2.78
		38.1	128.5	3.49	122.9	3.30	117.9	3.15	115.3	3.09	111.3	2.98	105.4	2.78
		10.2	128.5	3.43	122.9	3.20	117.9	3.07	115.3	2.94	111.3	2.80	105.4	2.59
	113	17.8	128.5	3.35	122.9	3.17	117.9	3.03	115.3	2.90	111.3	2.76	105.4	2.55
		25.4	128.5	3.26	122.9	3.13	117.9	2.98	115.3	2.85	111.3	2.72	105.4	2.51
		31.8	128.5	3.17	122.9	3.06	117.9	2.92	115.3	2.85	111.3	2.72	105.4	2.51
		38.1	128.5	3.13	122.9	3.02	117.9	2.89	115.3	2.85	111.3	2.72	105.4	2.51
	113	10.2	128.5	3.22	122.9	3.09	117.9	2.89	115.3	2.74	111.3	2.59	105.4	2.39
		17.8	128.5	3.14	122.9	3.01	117.9	2.81	115.3	2.70	111.3	2.55	105.4	2.35
		25.4	128.5	3.06	122.9	2.92	117.9	2.72	115.3	2.65	111.3	2.51	105.4	2.31
		31.8	128.5	3.01	122.9	2.85	117.9	2.72	115.3	2.58	111.3	2.44	105.4	2.24
	113	38.1	128.5	2.99	122.9	2.82	117.9	2.72	115.3	2.54	111.3	2.41	105.4	2.21
		10.2	128.5	3.02	122.9	2.97	117.9	2.70	115.3	2.53	111.3	2.39	105.4	2.19
		17.8	128.5	2.94	122.9	2.85	117.9	2.57	115.3	2.49	111.3	2.35	105.4	2.15
		25.4	128.5	2.85	122.9	2.72	117.9	2.44	115.3	2.44	111.3	2.31	105.4	2.11
	113	31.8	128.5	2.85	122.9	2.65	117.9	2.51	115.3	2.31	111.3	2.17	105.4	1.97
		38.1	128.5	2.85	122.9	2.61	117.9	2.55	115.3	2.24	111.3	2.10	105.4	1.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM096BAS5

96,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	10.2	43.4	4.32	43.1	4.07	42.9	3.74	42.6	3.58	42.2	3.42	41.4	3.11
		17.8	47.1	4.51	46.8	4.27	46.6	3.94	46.2	3.78	45.8	3.61	45.0	3.29
		25.4	50.8	4.69	50.5	4.46	50.2	4.14	49.7	3.97	49.3	3.80	48.5	3.46
		31.8	56.2	4.99	55.8	4.77	55.5	4.47	55.0	4.28	54.6	4.09	53.5	3.72
	32	38.1	58.8	5.15	58.4	4.92	58.1	4.63	57.6	4.44	57.2	4.24	56.1	3.86
		10.2	77.6	5.91	75.9	5.74	74.3	5.48	73.0	5.24	71.7	5.02	69.2	4.56
		17.8	78.8	5.95	77.1	5.78	75.4	5.52	74.1	5.28	72.8	5.06	70.2	4.60
		25.4	79.9	5.98	78.2	5.81	76.5	5.56	75.1	5.32	73.8	5.09	71.2	4.63
	41	31.8	81.1	5.98	79.4	5.81	77.7	5.56	76.3	5.32	74.9	5.09	72.3	4.63
		38.1	81.7	5.98	80.0	5.81	78.3	5.56	76.8	5.32	75.5	5.09	72.9	4.63
		10.2	114.5	6.36	110.7	6.20	107.9	5.96	105.7	5.71	100.7	5.46	96.0	4.97
		17.8	115.5	6.43	111.2	6.27	108.0	6.04	105.7	5.79	100.7	5.53	96.0	5.03
	50	25.4	116.5	6.50	111.7	6.34	108.0	6.11	105.7	5.86	100.7	5.60	96.0	5.09
		31.8	117.2	6.54	112.0	6.38	108.0	6.15	105.7	5.90	100.7	5.64	96.0	5.13
		38.1	117.6	6.56	112.2	6.41	108.0	6.17	105.7	5.92	100.7	5.66	96.0	5.14
		10.2	115.2	5.68	111.1	5.56	108.0	5.38	105.7	5.20	100.7	4.95	96.0	4.52
	59	17.8	115.9	5.75	111.5	5.61	108.0	5.42	105.7	5.22	100.7	4.96	96.0	4.54
		25.4	116.5	5.82	111.8	5.65	108.0	5.46	105.7	5.24	100.7	4.97	96.0	4.55
		31.8	117.3	5.79	112.3	5.65	108.0	5.45	105.7	5.23	100.7	4.96	96.0	4.53
		38.1	117.7	5.78	112.6	5.65	108.0	5.44	105.7	5.22	100.7	4.95	96.0	4.52
	68	10.2	115.8	5.01	111.5	4.93	108.0	4.82	105.7	4.70	100.7	4.43	96.0	4.09
		17.8	116.2	5.07	111.7	4.94	108.0	4.82	105.7	4.66	100.7	4.39	96.0	4.05
		25.4	116.5	5.13	111.9	4.94	108.0	4.82	105.7	4.61	100.7	4.35	96.0	4.00
		31.8	117.5	5.05	112.5	4.90	108.0	4.75	105.7	4.55	100.7	4.28	96.0	3.94
	77	38.1	118.1	5.01	112.8	4.88	108.0	4.72	105.7	4.52	100.7	4.24	96.0	3.91
		10.2	116.4	4.29	112.1	4.18	108.0	4.07	105.7	4.02	100.7	3.75	96.0	3.57
		17.8	117.5	4.34	112.3	4.19	108.0	4.07	105.7	3.98	100.7	3.71	96.0	3.48
		25.4	118.5	4.38	112.5	4.19	108.0	4.07	105.7	3.94	100.7	3.67	96.0	3.39
	86	31.8	119.3	4.31	113.5	4.16	108.0	4.00	105.7	3.87	100.7	3.60	96.0	3.33
		38.1	119.6	4.27	114.0	4.14	108.0	3.97	105.7	3.83	100.7	3.56	96.0	3.30
		10.2	117.8	3.75	113.9	3.63	108.0	3.48	105.7	3.35	100.7	3.14	96.0	2.85
		17.8	118.9	3.76	113.9	3.58	108.0	3.44	105.7	3.31	100.7	3.10	96.0	2.85
	95	25.4	120.0	3.76	113.9	3.53	108.0	3.39	105.7	3.26	100.7	3.06	96.0	2.85
		31.8	120.6	3.68	113.9	3.50	108.0	3.33	105.7	3.19	100.7	3.06	96.0	2.78
		38.1	120.9	3.64	113.9	3.49	108.0	3.30	105.7	3.15	100.7	3.06	96.0	2.75
		10.2	120.6	3.41	113.9	3.14	108.0	2.93	105.7	2.87	100.7	2.65	96.0	2.53
	104	17.8	120.6	3.37	113.9	3.10	108.0	2.91	105.7	2.83	100.7	2.65	96.0	2.49
		25.4	120.6	3.33	113.9	3.06	108.0	2.89	105.7	2.78	100.7	2.65	96.0	2.44
		31.8	120.6	3.26	113.9	3.06	108.0	2.85	105.7	2.78	100.7	2.58	96.0	2.44
		38.1	120.6	3.22	113.9	3.06	108.0	2.83	105.7	2.78	100.7	2.54	96.0	2.44
	113	10.2	120.6	3.16	113.9	2.89	108.0	2.58	105.7	2.53	100.7	2.39	96.0	2.19
		17.8	120.6	3.07	113.9	2.81	108.0	2.57	105.7	2.49	100.7	2.35	96.0	2.15
		25.4	120.6	2.98	113.9	2.72	108.0	2.55	105.7	2.44	100.7	2.31	96.0	2.11
		31.8	120.6	2.98	113.9	2.72	108.0	2.51	105.7	2.44	100.7	2.31	96.0	2.11
	104	38.1	120.6	2.98	113.9	2.72	108.0	2.50	105.7	2.44	100.7	2.31	96.0	2.11
		10.2	120.6	2.96	113.9	2.68	108.0	2.32	105.7	2.26	100.7	2.12	96.0	1.98
		17.8	120.6	2.87	113.9	2.60	108.0	2.30	105.7	2.22	100.7	2.08	96.0	1.94
		25.4	120.6	2.78	113.9	2.51	108.0	2.28	105.7	2.17	100.7	2.04	96.0	1.90
	113	31.8	120.6	2.72	113.9	2.51	108.0	2.24	105.7	2.17	100.7	2.04	96.0	1.90
		38.1	120.6	2.69	113.9	2.51	108.0	2.22	105.7	2.17	100.7	2.04	96.0	1.90
		10.2	120.6	2.75	113.9	2.48	108.0	2.04	105.7	1.98	100.7	1.85	96.0	1.78
		17.8	120.6	2.67	113.9	2.40	108.0	2.03	105.7	1.94	100.7	1.81	96.0	1.74
	113	25.4	120.6	2.58	113.9	2.31	108.0	2.01	105.7	1.90	100.7	1.76	96.0	1.70
		31.8	120.6	2.44	113.9	2.31	108.0	1.97	105.7	1.90	100.7	1.76	96.0	1.70
	113	38.1	120.6	2.38	113.9	2.31	108.0	1.95	105.7	1.90	100.7	1.76	96.0	1.70

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	10.2	41.0	4.01	39.7	3.65	38.6	3.21	38.3	3.06	38.0	2.95	37.3	2.65
		17.8	44.5	4.18	43.1	3.83	41.9	3.39	41.6	3.23	41.3	3.11	40.5	2.80
		25.4	48.0	4.35	46.5	4.00	45.1	3.56	44.8	3.39	44.5	3.27	43.6	2.94
		31.8	53.0	4.63	51.3	4.28	49.8	3.84	49.4	3.66	49.1	3.53	48.2	3.17
	32	38.1	55.6	4.77	53.8	4.42	52.2	3.98	51.8	3.79	51.5	3.65	50.6	3.28
		10.2	73.3	5.46	69.9	5.13	66.7	4.71	65.7	4.49	64.6	4.32	62.2	3.88
		17.8	74.4	5.50	70.9	5.17	67.7	4.74	66.7	4.52	65.6	4.35	63.2	3.91
		25.4	75.4	5.53	71.9	5.20	68.7	4.77	67.6	4.55	66.5	4.38	64.1	3.93
	41	31.8	76.6	5.53	73.0	5.20	69.8	4.77	68.6	4.55	67.6	4.38	65.1	3.93
		38.1	77.1	5.53	73.6	5.20	70.4	4.77	69.1	4.55	68.2	4.38	65.6	3.93
		10.2	103.6	5.87	100.2	5.54	97.0	5.12	95.0	4.88	90.8	4.70	86.5	4.22
		17.8	103.9	5.94	100.1	5.61	97.0	5.19	95.0	4.95	90.8	4.76	86.5	4.28
	50	25.4	104.1	6.00	99.9	5.67	97.0	5.25	95.0	5.01	90.8	4.82	86.5	4.33
		31.8	104.7	6.03	100.2	5.70	97.0	5.29	95.0	5.04	90.8	4.86	86.5	4.36
		38.1	105.0	6.05	100.3	5.72	97.0	5.31	95.0	5.06	90.8	4.88	86.5	4.38
		10.2	104.1	5.18	100.6	4.93	97.0	4.64	95.0	4.45	90.8	4.27	86.5	3.85
	59	17.8	104.0	5.19	100.3	4.94	97.0	4.65	95.0	4.46	90.8	4.26	86.5	3.86
		25.4	103.9	5.20	100.0	4.95	97.0	4.66	95.0	4.47	90.8	4.25	86.5	3.86
		31.8	104.6	5.18	100.3	4.94	97.0	4.65	95.0	4.46	90.8	4.26	86.5	3.88
		38.1	104.9	5.18	100.4	4.93	97.0	4.64	95.0	4.45	90.8	4.27	86.5	3.88
	68	10.2	104.7	4.48	100.9	4.32	97.0	4.16	95.0	4.02	90.8	3.83	86.5	3.48
		17.8	104.3	4.44	100.5	4.28	97.0	4.12	95.0	3.98	90.8	3.75	86.5	3.44
		25.4	103.8	4.40	100.1	4.24	97.0	4.07	95.0	3.94	90.8	3.67	86.5	3.39
		31.8	104.5	4.33	100.4	4.17	97.0	4.00	95.0	3.87	90.8	3.67	86.5	3.39
	77	38.1	104.8	4.30	100.5	4.14	97.0	3.97	95.0	3.83	90.8	3.67	86.5	3.39
		10.2	105.3	3.79	101.4	3.68	97.0	3.55	95.0	3.41	90.8	3.29	86.5	3.09
		17.8	105.1	3.79	100.9	3.65	97.0	3.51	95.0	3.37	90.8	3.21	86.5	3.01
		25.4	104.8	3.79	100.4	3.62	97.0	3.46	95.0	3.33	90.8	3.13	86.5	2.92
	86	31.8	105.1	3.72	100.7	3.60	97.0	3.46	95.0	3.33	90.8	3.13	86.5	2.92
		38.1	105.2	3.69	100.8	3.58	97.0	3.46	95.0	3.33	90.8	3.13	86.5	2.92
		10.2	107.0	3.31	102.7	3.13	97.0	3.00	95.0	2.85	90.8	2.74	86.5	2.53
		17.8	107.7	3.29	102.7	3.12	97.0	2.96	95.0	2.85	90.8	2.70	86.5	2.49
	95	25.4	108.3	3.27	102.7	3.10	97.0	2.92	95.0	2.85	90.8	2.65	86.5	2.44
		31.8	108.7	3.19	102.7	3.03	97.0	2.92	95.0	2.78	90.8	2.65	86.5	2.44
		38.1	108.9	3.15	102.7	2.99	97.0	2.92	95.0	2.75	90.8	2.65	86.5	2.44
		10.2	108.7	3.00	102.7	2.80	97.0	2.59	95.0	2.53	90.8	2.39	86.5	2.17
	104	17.8	108.7	2.96	102.7	2.76	97.0	2.55	95.0	2.49	90.8	2.35	86.5	2.17
		25.4	108.7	2.92	102.7	2.72	97.0	2.51	95.0	2.44	90.8	2.31	86.5	2.17
		31.8	108.7	2.85	102.7	2.65	97.0	2.51	95.0	2.44	90.8	2.31	86.5	2.11
		38.1	108.7	2.82	102.7	2.61	97.0	2.51	95.0	2.44	90.8	2.31	86.5	2.08
	113	10.2	108.7	2.74	102.7	2.53	97.0	2.33	95.0	2.26	90.8	2.12	86.5	1.98
		17.8	108.7	2.70	102.7	2.49	97.0	2.29	95.0	2.22	90.8	2.08	86.5	1.94
		25.4	108.7	2.65	102.7	2.44	97.0	2.24	95.0	2.17	90.8	2.04	86.5	1.90
		31.8	108.7	2.58	102.7	2.37	97.0	2.17	95.0	2.11	90.8	2.04	86.5	1.90
	104	38.1	108.7	2.54	102.7	2.34	97.0	2.13	95.0	2.08	90.8	2.04	86.5	1.90
		10.2	108.7	2.55	102.7	2.33	97.0	2.05	95.0	1.98	90.8	1.92	86.5	1.78
		17.8	108.7	2.46	102.7	2.29	97.0	2.01	95.0	1.94	90.8	1.88	86.5	1.74
		25.4	108.7	2.37	102.7	2.24	97.0	1.97	95.0	1.90	90.8	1.83	86.5	1.70
	113	31.8	108.7	2.37	102.7	2.24	97.0	1.97	95.0	1.90	90.8	1.83	86.5	1.70
		38.1	108.7	2.37	102.7	2.24	97.0	1.97	95.0	1.90	90.8	1.83	86.5	1.70
		10.2	108.7	2.36	102.7	2.12	97.0	1.78	95.0	1.72	90.8	1.72	86.5	1.58
		17.8	108.7	2.24	102.7	2.08	97.0	1.74	95.0	1.68	90.8	1.68	86.5	1.54
	113	25.4	108.7	2.11	102.7	2.04	97.0	1.70	95.0	1.63	90.8	1.63	86.5	1.50
		31.8	108.7	2.17	102.7	2.11	97.0	1.76	95.0	1.70	90.8	1.63	86.5	1.50
	113	38.1	108.7	2.20	102.7	2.14	97.0	1.79	95.0	1.74	90.8	1.63	86.5	1.50

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM096BAS5

96,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	10.2	38.8	2.86	36.3	2.75	34.4	2.63	34.0	2.54	33.8	2.43	33.1	2.23
		17.8	42.1	3.02	39.4	2.90	37.3	2.77	36.9	2.68	36.7	2.56	36.0	2.35
		25.4	45.3	3.17	42.5	3.05	40.2	2.91	39.8	2.82	39.6	2.69	38.8	2.47
		31.8	50.1	3.42	46.9	3.29	44.4	3.15	43.9	3.04	43.7	2.90	42.8	2.67
		38.1	52.6	3.54	49.1	3.41	46.5	3.26	46.0	3.15	45.8	3.01	44.8	2.77
	32	10.2	69.2	4.19	63.8	4.03	59.4	3.86	58.3	3.73	57.5	3.55	55.3	3.27
		17.8	70.3	4.23	64.8	4.06	60.3	3.89	59.2	3.76	58.4	3.58	56.2	3.29
		25.4	71.3	4.26	65.7	4.09	61.2	3.91	60.1	3.78	59.3	3.60	57.0	3.31
		31.8	72.3	4.26	66.7	4.09	62.2	3.91	61.0	3.78	60.2	3.60	57.9	3.31
		38.1	72.8	4.26	67.2	4.09	62.7	3.91	61.4	3.78	60.6	3.60	58.3	3.31
	41	10.2	95.7	4.56	90.3	4.39	86.4	4.19	84.5	4.05	80.9	3.86	76.9	3.56
		17.8	96.2	4.62	90.8	4.44	86.5	4.25	84.5	4.11	80.9	3.91	76.9	3.61
		25.4	96.7	4.68	91.2	4.49	86.5	4.31	84.5	4.16	80.9	3.96	76.9	3.65
		31.8	96.7	4.71	91.1	4.53	86.5	4.33	84.5	4.19	80.9	3.99	76.9	3.67
		38.1	96.7	4.73	91.1	4.55	86.5	4.35	84.5	4.20	80.9	4.00	76.9	3.68
	50	10.2	96.2	4.20	90.7	4.01	86.4	3.80	84.5	3.70	80.9	3.50	76.9	3.24
		17.8	96.5	4.19	91.0	4.00	86.5	3.81	84.5	3.71	80.9	3.51	76.9	3.25
		25.4	96.7	4.17	91.2	3.98	86.5	3.81	84.5	3.71	80.9	3.51	76.9	3.25
		31.8	96.7	4.16	91.1	4.00	86.5	3.83	84.5	3.69	80.9	3.49	76.9	3.23
		38.1	96.7	4.15	91.1	4.00	86.5	3.83	84.5	3.68	80.9	3.48	76.9	3.22
	59	10.2	96.7	3.83	91.1	3.63	86.5	3.41	84.5	3.35	80.9	3.14	76.9	2.94
		17.8	96.7	3.75	91.1	3.55	86.5	3.37	84.5	3.31	80.9	3.10	76.9	2.90
		25.4	96.7	3.67	91.1	3.46	86.5	3.33	84.5	3.26	80.9	3.06	76.9	2.85
		31.8	96.7	3.60	91.1	3.46	86.5	3.33	84.5	3.19	80.9	2.98	76.9	2.78
		38.1	96.7	3.56	91.1	3.46	86.5	3.33	84.5	3.15	80.9	2.95	76.9	2.75
	68	10.2	96.7	3.20	91.1	3.07	86.5	2.92	84.5	2.87	80.9	2.74	76.9	2.53
		17.8	96.7	3.17	91.1	3.03	86.5	2.92	84.5	2.83	80.9	2.70	76.9	2.49
		25.4	96.7	3.13	91.1	2.98	86.5	2.92	84.5	2.78	80.9	2.65	76.9	2.44
		31.8	96.7	3.06	91.1	2.92	86.5	2.85	84.5	2.78	80.9	2.58	76.9	2.44
		38.1	96.7	3.02	91.1	2.89	86.5	2.82	84.5	2.78	80.9	2.54	76.9	2.44
	77	10.2	96.7	2.87	91.1	2.67	86.5	2.51	84.5	2.46	80.9	2.33	76.9	2.19
		17.8	96.7	2.83	91.1	2.63	86.5	2.51	84.5	2.42	80.9	2.29	76.9	2.15
		25.4	96.7	2.78	91.1	2.58	86.5	2.51	84.5	2.37	80.9	2.24	76.9	2.11
		31.8	96.7	2.72	91.1	2.58	86.5	2.44	84.5	2.37	80.9	2.24	76.9	2.11
		38.1	96.7	2.69	91.1	2.58	86.5	2.41	84.5	2.37	80.9	2.24	76.9	2.11
	86	10.2	96.7	2.53	91.1	2.39	86.5	2.26	84.5	2.19	80.9	2.05	76.9	1.92
		17.8	96.7	2.49	91.1	2.35	86.5	2.22	84.5	2.15	80.9	2.01	76.9	1.88
		25.4	96.7	2.44	91.1	2.31	86.5	2.17	84.5	2.11	80.9	1.97	76.9	1.83
		31.8	96.7	2.44	91.1	2.31	86.5	2.17	84.5	2.11	80.9	1.97	76.9	1.83
		38.1	96.7	2.44	91.1	2.31	86.5	2.17	84.5	2.11	80.9	1.97	76.9	1.83
	95	10.2	96.7	2.33	91.1	2.19	86.5	1.98	84.5	1.90	80.9	1.85	76.9	1.70
		17.8	96.7	2.29	91.1	2.15	86.5	1.94	84.5	1.90	80.9	1.81	76.9	1.70
		25.4	96.7	2.24	91.1	2.11	86.5	1.90	84.5	1.90	80.9	1.76	76.9	1.70
		31.8	96.7	2.24	91.1	2.04	86.5	1.90	84.5	1.83	80.9	1.76	76.9	1.63
		38.1	96.7	2.24	91.1	2.00	86.5	1.90	84.5	1.80	80.9	1.76	76.9	1.59
	104	10.2	96.7	2.20	91.1	1.98	86.5	1.76	84.5	1.78	80.9	1.63	76.9	1.58
		17.8	96.7	2.12	91.1	1.94	86.5	1.76	84.5	1.74	80.9	1.63	76.9	1.54
		25.4	96.7	2.04	91.1	1.90	86.5	1.76	84.5	1.70	80.9	1.63	76.9	1.50
		31.8	96.7	2.04	91.1	1.90	86.5	1.70	84.5	1.70	80.9	1.63	76.9	1.50
		38.1	96.7	2.04	91.1	1.90	86.5	1.67	84.5	1.70	80.9	1.63	76.9	1.50
	113	10.2	96.7	2.09	91.1	1.78	86.5	1.54	84.5	1.66	80.9	1.41	76.9	1.46
		17.8	96.7	1.96	91.1	1.74	86.5	1.59	84.5	1.58	80.9	1.46	76.9	1.38
		25.4	96.7	1.83	91.1	1.70	86.5	1.63	84.5	1.50	80.9	1.50	76.9	1.29
		31.8	96.7	1.83	91.1	1.76	86.5	1.50	84.5	1.56	80.9	1.50	76.9	1.36
		38.1	96.7	1.83	91.1	1.79	86.5	1.43	84.5	1.59	80.9	1.50	76.9	1.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	10.2	33.8	2.45	31.8	2.34	30.0	2.26	29.7	2.13	29.5	2.06	29.0	1.87
		17.8	36.7	2.59	34.5	2.47	32.6	2.39	32.3	2.25	32.1	2.17	31.5	1.97
		25.4	39.6	2.72	37.2	2.59	35.1	2.51	34.8	2.36	34.6	2.28	34.0	2.07
		31.8	43.8	2.94	41.1	2.80	38.8	2.70	38.5	2.54	38.2	2.46	37.5	2.23
		38.1	45.9	3.05	43.1	2.90	40.7	2.80	40.4	2.63	40.0	2.55	39.2	2.31
	32	10.2	60.5	3.59	55.9	3.43	51.9	3.31	51.0	3.12	50.2	3.01	48.4	2.74
		17.8	61.4	3.62	56.8	3.45	52.7	3.34	51.8	3.14	51.0	3.04	49.1	2.76
		25.4	62.3	3.65	57.6	3.47	53.4	3.36	52.5	3.16	51.7	3.06	49.8	2.77
		31.8	63.2	3.65	58.5	3.47	54.3	3.36	53.3	3.16	52.5	3.06	50.6	2.77
		38.1	63.6	3.65	58.9	3.47	54.7	3.36	53.8	3.16	52.9	3.06	51.0	2.77
	41	10.2	83.6	3.91	79.2	3.72	75.4	3.60	73.8	3.40	70.5	3.28	67.2	2.98
		17.8	84.1	3.96	79.6	3.77	75.5	3.65	73.8	3.44	70.5	3.32	67.2	3.02
		25.4	84.5	4.01	80.0	3.82	75.5	3.70	73.8	3.48	70.5	3.36	67.2	3.06
		31.8	84.5	4.04	79.9	3.85	75.5	3.73	73.8	3.50	70.5	3.39	67.2	3.08
		38.1	84.5	4.05	79.8	3.86	75.5	3.74	73.8	3.52	70.5	3.40	67.2	3.09
	50	10.2	84.0	3.60	79.5	3.41	75.5	3.28	73.8	3.10	70.5	2.97	67.2	2.72
		17.8	84.3	3.59	79.7	3.39	75.5	3.26	73.8	3.10	70.5	2.97	67.2	2.72
		25.4	84.5	3.57	79.9	3.37	75.5	3.24	73.8	3.10	70.5	2.97	67.2	2.72
		31.8	84.5	3.58	79.9	3.39	75.5	3.26	73.8	3.11	70.5	2.95	67.2	2.73
		38.1	84.5	3.59	79.9	3.39	75.5	3.27	73.8	3.12	70.5	2.94	67.2	2.73
	59	10.2	84.5	3.29	79.9	3.09	75.5	2.96	73.8	2.80	70.5	2.67	67.2	2.46
		17.8	84.5	3.21	79.9	3.01	75.5	2.87	73.8	2.76	70.5	2.63	67.2	2.42
		25.4	84.5	3.13	79.9	2.92	75.5	2.78	73.8	2.72	70.5	2.58	67.2	2.37
		31.8	84.5	3.13	79.9	2.92	75.5	2.78	73.8	2.72	70.5	2.51	67.2	2.37
		38.1	84.5	3.13	79.9	2.92	75.5	2.78	73.8	2.72	70.5	2.48	67.2	2.37
	68	10.2	84.5	2.74	79.9	2.59	75.5	2.53	73.8	2.46	70.5	2.33	67.2	2.19
		17.8	84.5	2.70	79.9	2.55	75.5	2.49	73.8	2.42	70.5	2.29	67.2	2.15
		25.4	84.5	2.65	79.9	2.51	75.5	2.44	73.8	2.37	70.5	2.24	67.2	2.11
		31.8	84.5	2.65	79.9	2.51	75.5	2.44	73.8	2.31	70.5	2.24	67.2	2.04
		38.1	84.5	2.65	79.9	2.51	75.5	2.44	73.8	2.28	70.5	2.24	67.2	2.00
	77	10.2	84.5	2.46	79.9	2.33	75.5	2.19	73.8	2.12	70.5	1.97	67.2	1.83
		17.8	84.5	2.42	79.9	2.29	75.5	2.15	73.8	2.08	70.5	1.97	67.2	1.83
		25.4	84.5	2.37	79.9	2.24	75.5	2.11	73.8	2.04	70.5	1.97	67.2	1.83
		31.8	84.5	2.31	79.9	2.17	75.5	2.11	73.8	2.04	70.5	1.90	67.2	1.83
		38.1	84.5	2.28	79.9	2.13	75.5	2.11	73.8	2.04	70.5	1.87	67.2	1.83
	86	10.2	84.5	2.19	79.9	2.05	75.5	1.92	73.8	1.83	70.5	1.78	67.2	1.63
		17.8	84.5	2.15	79.9	2.01	75.5	1.88	73.8	1.83	70.5	1.74	67.2	1.63
		25.4	84.5	2.11	79.9	1.97	75.5	1.83	73.8	1.83	70.5	1.70	67.2	1.63
		31.8	84.5	2.11	79.9	1.97	75.5	1.83	73.8	1.76	70.5	1.70	67.2	1.63
		38.1	84.5	2.11	79.9	1.97	75.5	1.83	73.8	1.73	70.5	1.70	67.2	1.63
	95	10.2	84.5	1.98	79.9	1.85	75.5	1.70	73.8	1.72	70.5	1.56	67.2	1.51
		17.8	84.5	1.94	79.9	1.81	75.5	1.70	73.8	1.68	70.5	1.56	67.2	1.47
		25.4	84.5	1.90	79.9	1.76	75.5	1.70	73.8	1.63	70.5	1.56	67.2	1.43
		31.8	84.5	1.90	79.9	1.76	75.5	1.63	73.8	1.63	70.5	1.56	67.2	1.43
		38.1	84.5	1.90	79.9	1.76	75.5	1.59	73.8	1.63	70.5	1.56	67.2	1.43
	104	10.2	84.5	1.85	79.9	1.72	75.5	1.58	73.8	1.50	70.5	1.43	67.2	1.37
		17.8	84.5	1.81	79.9	1.68	75.5	1.54	73.8	1.50	70.5	1.43	67.2	1.33
		25.4	84.5	1.76	79.9	1.63	75.5	1.50	73.8	1.50	70.5	1.43	67.2	1.29
		31.8	84.5	1.76	79.9	1.63	75.5	1.50	73.8	1.43	70.5	1.36	67.2	1.29
		38.1	84.5	1.76	79.9	1.63	75.5	1.50	73.8	1.39	70.5	1.32	67.2	1.29
	113	10.2	84.5	1.72	79.9	1.58	75.5	1.46	73.8	1.28	70.5	1.29	67.2	1.24
		17.8	84.5	1.68	79.9	1.54	75.5	1.38	73.8	1.32	70.5	1.29	67.2	1.20
		25.4	84.5	1.63	79.9	1.50	75.5	1.29	73.8	1.36	70.5	1.29	67.2	1.15
		31.8	84.5	1.63	79.9	1.50	75.5	1.36	73.8	1.22	70.5	1.15	67.2	1.15
		38.1	84.5	1.63	79.9	1.50	75.5	1.39	73.8	1.15	70.5	1.08	67.2	1.15

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM096BAS5

96,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	10.2	29.0	1.99	27.2	1.92	25.7	1.84	25.4	1.71	25.3	1.68	24.9	1.50
		17.8	31.6	2.10	29.5	2.03	27.9	1.94	27.6	1.81	27.5	1.78	27.0	1.59
		25.4	34.1	2.21	31.8	2.13	30.1	2.04	29.8	1.90	29.7	1.87	29.1	1.67
		31.8	37.6	2.38	35.2	2.30	33.4	2.21	33.0	2.05	32.9	2.02	32.1	1.80
		38.1	39.3	2.47	36.8	2.38	35.0	2.29	34.5	2.13	34.4	2.09	33.7	1.86
	32	10.2	51.9	2.92	47.8	2.82	44.6	2.70	43.7	2.51	43.1	2.47	41.6	2.21
		17.8	52.7	2.94	48.5	2.84	45.3	2.72	44.4	2.53	43.8	2.49	42.2	2.22
		25.4	53.4	2.96	49.2	2.85	46.0	2.74	45.0	2.54	44.4	2.51	42.7	2.23
		31.8	54.3	2.96	50.0	2.85	46.7	2.74	45.7	2.54	45.1	2.51	43.4	2.23
		38.1	54.7	2.96	50.4	2.85	47.1	2.74	46.1	2.54	45.5	2.51	43.8	2.23
	41	10.2	71.8	3.18	67.7	3.06	64.9	2.93	63.3	2.73	60.6	2.69	57.7	2.40
		17.8	72.2	3.22	68.0	3.10	64.9	2.97	63.3	2.77	60.6	2.73	57.7	2.43
		25.4	72.5	3.26	68.3	3.14	64.9	3.01	63.3	2.80	60.6	2.76	57.7	2.46
		31.8	72.5	3.29	68.2	3.16	64.9	3.03	63.3	2.82	60.6	2.77	57.7	2.48
		38.1	72.5	3.30	68.2	3.17	64.9	3.04	63.3	2.83	60.6	2.78	57.7	2.49
	50	10.2	72.2	2.92	67.9	2.80	64.9	2.66	63.3	2.49	60.6	2.44	57.7	2.19
		17.8	72.4	2.92	68.1	2.80	64.9	2.66	63.3	2.51	60.6	2.44	57.7	2.20
		25.4	72.5	2.92	68.3	2.80	64.9	2.66	63.3	2.52	60.6	2.43	57.7	2.21
		31.8	72.5	2.93	68.2	2.77	64.9	2.63	63.3	2.49	60.6	2.41	57.7	2.19
		38.1	72.5	2.93	68.2	2.75	64.9	2.62	63.3	2.48	60.6	2.40	57.7	2.18
	59	10.2	72.5	2.67	68.2	2.53	64.9	2.39	63.3	2.24	60.6	2.19	57.7	1.97
		17.8	72.5	2.63	68.2	2.49	64.9	2.35	63.3	2.24	60.6	2.15	57.7	1.97
		25.4	72.5	2.58	68.2	2.44	64.9	2.31	63.3	2.24	60.6	2.11	57.7	1.97
		31.8	72.5	2.58	68.2	2.37	64.9	2.24	63.3	2.17	60.6	2.04	57.7	1.90
		38.1	72.5	2.58	68.2	2.34	64.9	2.21	63.3	2.13	60.6	2.00	57.7	1.87
	68	10.2	72.5	2.33	68.2	2.19	64.9	2.05	63.3	1.98	60.6	1.92	57.7	1.78
		17.8	72.5	2.29	68.2	2.15	64.9	2.01	63.3	1.94	60.6	1.88	57.7	1.74
		25.4	72.5	2.24	68.2	2.11	64.9	1.97	63.3	1.90	60.6	1.83	57.7	1.70
		31.8	72.5	2.24	68.2	2.11	64.9	1.97	63.3	1.90	60.6	1.83	57.7	1.70
		38.1	72.5	2.24	68.2	2.11	64.9	1.97	63.3	1.90	60.6	1.83	57.7	1.70
	77	10.2	72.5	2.05	68.2	1.92	64.9	1.76	63.3	1.78	60.6	1.63	57.7	1.58
		17.8	72.5	2.01	68.2	1.88	64.9	1.76	63.3	1.74	60.6	1.63	57.7	1.54
		25.4	72.5	1.97	68.2	1.83	64.9	1.76	63.3	1.70	60.6	1.63	57.7	1.50
		31.8	72.5	1.97	68.2	1.83	64.9	1.70	63.3	1.70	60.6	1.63	57.7	1.50
		38.1	72.5	1.97	68.2	1.83	64.9	1.67	63.3	1.70	60.6	1.63	57.7	1.50
	86	10.2	72.5	1.85	68.2	1.72	64.9	1.65	63.3	1.58	60.6	1.51	57.7	1.44
		17.8	72.5	1.81	68.2	1.68	64.9	1.61	63.3	1.54	60.6	1.47	57.7	1.40
		25.4	72.5	1.76	68.2	1.63	64.9	1.56	63.3	1.50	60.6	1.43	57.7	1.36
		31.8	72.5	1.76	68.2	1.63	64.9	1.56	63.3	1.50	60.6	1.43	57.7	1.36
		38.1	72.5	1.76	68.2	1.63	64.9	1.56	63.3	1.50	60.6	1.43	57.7	1.36
	95	10.2	72.5	1.63	68.2	1.58	64.9	1.43	63.3	1.44	60.6	1.37	57.7	1.31
		17.8	72.5	1.63	68.2	1.54	64.9	1.43	63.3	1.40	60.6	1.33	57.7	1.27
		25.4	72.5	1.63	68.2	1.50	64.9	1.43	63.3	1.36	60.6	1.29	57.7	1.22
		31.8	72.5	1.63	68.2	1.50	64.9	1.36	63.3	1.36	60.6	1.29	57.7	1.22
		38.1	72.5	1.63	68.2	1.50	64.9	1.32	63.3	1.36	60.6	1.29	57.7	1.22
	104	10.2	72.5	1.50	68.2	1.44	64.9	1.29	63.3	1.31	60.6	1.24	57.7	1.15
		17.8	72.5	1.50	68.2	1.40	64.9	1.29	63.3	1.27	60.6	1.20	57.7	1.15
		25.4	72.5	1.50	68.2	1.36	64.9	1.29	63.3	1.22	60.6	1.15	57.7	1.15
		31.8	72.5	1.50	68.2	1.36	64.9	1.29	63.3	1.22	60.6	1.15	57.7	1.15
		38.1	72.5	1.50	68.2	1.36	64.9	1.29	63.3	1.22	60.6	1.15	57.7	1.15
	113	10.2	72.5	1.36	68.2	1.31	64.9	1.15	63.3	1.17	60.6	1.11	57.7	1.00
		17.8	72.5	1.36	68.2	1.27	64.9	1.15	63.3	1.13	60.6	1.07	57.7	1.05
		25.4	72.5	1.36	68.2	1.22	64.9	1.15	63.3	1.09	60.6	1.02	57.7	1.09
		31.8	72.5	1.36	68.2	1.22	64.9	1.22	63.3	1.09	60.6	1.02	57.7	1.09
		38.1	72.5	1.36	68.2	1.22	64.9	1.26	63.3	1.09	60.6	1.02	57.7	1.09

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	10.2	24.2	1.59	22.7	1.50	21.5	1.42	21.2	1.35	21.1	1.26	20.7	1.20
		17.8	26.2	1.68	24.6	1.59	23.3	1.50	23.0	1.43	22.9	1.33	22.5	1.26
		25.4	28.2	1.76	26.5	1.67	25.1	1.57	24.8	1.50	24.7	1.40	24.2	1.32
		31.8	31.2	1.90	29.3	1.80	27.7	1.70	27.4	1.62	27.2	1.51	26.8	1.43
		38.1	32.8	1.97	30.8	1.86	29.0	1.76	28.7	1.68	28.5	1.56	28.1	1.48
	32	10.2	43.1	2.33	40.0	2.21	37.1	2.08	36.3	1.97	35.8	1.86	34.6	1.75
		17.8	43.8	2.34	40.6	2.22	37.7	2.10	36.9	1.99	36.4	1.87	35.1	1.77
		25.4	44.4	2.35	41.1	2.23	38.3	2.11	37.5	2.01	37.0	1.88	35.6	1.78
		31.8	45.1	2.35	41.7	2.23	38.8	2.11	38.1	2.01	37.5	1.88	36.2	1.78
		38.1	45.5	2.35	42.0	2.23	39.0	2.11	38.4	2.01	37.7	1.88	36.5	1.78
	41	10.2	59.6	2.53	56.6	2.40	53.9	2.26	52.6	2.15	50.3	2.02	48.0	1.90
		17.8	60.0	2.56	56.9	2.43	54.0	2.29	52.6	2.18	50.3	2.04	48.0	1.93
		25.4	60.3	2.59	57.1	2.46	54.1	2.32	52.6	2.21	50.3	2.06	48.0	1.95
		31.8	60.3	2.61	57.0	2.48	54.1	2.34	52.6	2.22	50.3	2.09	48.0	1.97
		38.1	60.3	2.62	56.9	2.49	54.1	2.35	52.6	2.23	50.3	2.10	48.0	1.97
	50	10.2	60.0	2.33	56.7	2.19	53.9	2.06	52.6	1.97	50.3	1.82	48.0	1.74
		17.8	60.2	2.32	56.9	2.19	54.0	2.05	52.6	1.96	50.3	1.84	48.0	1.73
		25.4	60.3	2.31	57.1	2.18	54.1	2.04	52.6	1.95	50.3	1.85	48.0	1.72
		31.8	60.3	2.32	57.0	2.19	54.1	2.05	52.6	1.96	50.3	1.82	48.0	1.73
		38.1	60.3	2.33	56.9	2.19	54.1	2.05	52.6	1.96	50.3	1.80	48.0	1.73
	59	10.2	60.3	2.12	57.0	1.98	54.1	1.85	52.6	1.78	50.3	1.63	48.0	1.58
		17.8	60.3	2.08	57.0	1.94	54.1	1.81	52.6	1.74	50.3	1.63	48.0	1.54
		25.4	60.3	2.04	57.0	1.90	54.1	1.76	52.6	1.70	50.3	1.63	48.0	1.50
		31.8	60.3	2.04	57.0	1.90	54.1	1.76	52.6	1.70	50.3	1.56	48.0	1.50
		38.1	60.3	2.04	57.0	1.90	54.1	1.76	52.6	1.70	50.3	1.52	48.0	1.50
	68	10.2	60.3	1.85	57.0	1.72	54.1	1.65	52.6	1.58	50.3	1.51	48.0	1.36
		17.8	60.3	1.81	57.0	1.68	54.1	1.61	52.6	1.54	50.3	1.47	48.0	1.36
		25.4	60.3	1.76	57.0	1.63	54.1	1.56	52.6	1.50	50.3	1.43	48.0	1.36
		31.8	60.3	1.76	57.0	1.63	54.1	1.56	52.6	1.50	50.3	1.43	48.0	1.36
		38.1	60.3	1.76	57.0	1.63	54.1	1.56	52.6	1.50	50.3	1.43	48.0	1.36
	77	10.2	60.3	1.65	57.0	1.50	54.1	1.44	52.6	1.36	50.3	1.29	48.0	1.22
		17.8	60.3	1.61	57.0	1.50	54.1	1.40	52.6	1.36	50.3	1.29	48.0	1.22
		25.4	60.3	1.56	57.0	1.50	54.1	1.36	52.6	1.36	50.3	1.29	48.0	1.22
		31.8	60.3	1.56	57.0	1.50	54.1	1.36	52.6	1.36	50.3	1.29	48.0	1.22
		38.1	60.3	1.56	57.0	1.50	54.1	1.36	52.6	1.36	50.3	1.29	48.0	1.22
	86	10.2	60.3	1.51	57.0	1.37	54.1	1.31	52.6	1.22	50.3	1.24	48.0	1.17
		17.8	60.3	1.47	57.0	1.33	54.1	1.27	52.6	1.22	50.3	1.20	48.0	1.13
		25.4	60.3	1.43	57.0	1.29	54.1	1.22	52.6	1.22	50.3	1.15	48.0	1.09
		31.8	60.3	1.43	57.0	1.29	54.1	1.22	52.6	1.22	50.3	1.15	48.0	1.09
		38.1	60.3	1.43	57.0	1.29	54.1	1.22	52.6	1.22	50.3	1.15	48.0	1.09
	95	10.2	60.3	1.37	57.0	1.22	54.1	1.15	52.6	1.17	50.3	1.09	48.0	1.02
		17.8	60.3	1.33	57.0	1.22	54.1	1.15	52.6	1.13	50.3	1.09	48.0	1.02
		25.4	60.3	1.29	57.0	1.22	54.1	1.15	52.6	1.09	50.3	1.09	48.0	1.02
		31.8	60.3	1.29	57.0	1.22	54.1	1.15	52.6	1.09	50.3	1.09	48.0	1.02
		38.1	60.3	1.29	57.0	1.22	54.1	1.15	52.6	1.09	50.3	1.09	48.0	1.02
	104	10.2	60.3	1.24	57.0	1.17	54.1	1.11	52.6	1.02	50.3	1.04	48.0	0.95
		17.8	60.3	1.20	57.0	1.13	54.1	1.07	52.6	1.02	50.3	1.00	48.0	0.95
		25.4	60.3	1.15	57.0	1.09	54.1	1.02	52.6	1.02	50.3	0.95	48.0	0.95
		31.8	60.3	1.15	57.0	1.09	54.1	1.02	52.6	1.02	50.3	0.95	48.0	0.95
		38.1	60.3	1.15	57.0	1.09	54.1	1.02	52.6	1.02	50.3	0.95	48.0	0.95
	113	10.2	60.3	1.11	57.0	1.12	54.1	1.05	52.6	0.87	50.3	0.98	48.0	0.88
		17.8	60.3	1.07	57.0	1.04	54.1	0.97	52.6	0.91	50.3	0.90	48.0	0.88
		25.4	60.3	1.02	57.0	0.95	54.1	0.88	52.6	0.95	50.3	0.81	48.0	0.88
		31.8	60.3	1.02	57.0	0.95	54.1	0.88	52.6	0.95	50.3	0.81	48.0	0.88
		38.1	60.3	1.02	57.0	0.95	54.1	0.88	52.6	0.95	50.3	0.81	48.0	0.88

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM121BAS5

121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	12.2	63.9	5.60	63.4	5.27	63.0	4.91	62.2	4.76	62.9	4.64	61.2	4.16
		17.8	67.2	5.75	66.7	5.43	66.3	5.07	65.4	4.92	66.2	4.79	64.4	4.30
		30.4	74.7	6.08	74.1	5.78	73.7	5.44	72.7	5.28	73.6	5.14	71.7	4.61
		38.0	82.6	6.47	81.9	6.18	81.4	5.86	80.4	5.71	81.4	5.54	79.2	4.97
		45.6	86.6	6.67	85.8	6.38	85.2	6.08	84.2	5.92	85.3	5.75	83.0	5.15
	32	12.2	114.1	7.66	111.5	7.43	109.1	7.19	106.7	6.99	107.1	6.79	102.2	6.08
		17.8	115.1	7.69	112.5	7.46	110.1	7.22	107.7	7.02	108.1	6.82	103.2	6.11
		30.4	117.5	7.76	114.7	7.52	112.3	7.29	109.9	7.09	110.3	6.89	105.4	6.18
		38.0	119.3	7.76	116.4	7.52	114.0	7.29	111.5	7.09	111.9	6.89	106.9	6.18
		45.6	120.2	7.76	117.3	7.52	114.9	7.29	112.3	7.09	112.7	6.89	107.6	6.18
	41	12.2	164.3	8.23	161.8	8.03	158.5	7.82	154.5	7.60	150.3	7.39	142.0	6.62
		17.8	165.2	8.29	162.3	8.09	158.5	7.88	154.5	7.66	150.3	7.45	142.0	6.67
		30.4	167.1	8.42	163.3	8.21	158.6	8.02	154.5	7.80	150.3	7.58	142.0	6.79
		38.0	168.2	8.47	163.8	8.27	158.6	8.08	154.5	7.85	150.3	7.63	142.0	6.84
		45.6	168.7	8.50	164.0	8.30	158.6	8.10	154.5	7.88	150.3	7.66	142.0	6.86
	50	12.2	164.5	7.49	161.9	7.24	158.0	7.10	153.8	6.94	149.7	6.71	141.5	6.05
		17.8	166.0	7.47	163.0	7.25	159.0	7.12	154.8	6.94	150.6	6.70	142.4	6.04
		30.4	169.4	7.42	165.6	7.27	161.1	7.17	157.0	6.93	152.6	6.68	144.3	6.03
		38.0	170.3	7.52	166.8	7.38	162.1	7.20	157.7	6.96	153.6	6.79	145.2	6.32
		45.6	170.7	7.57	167.3	7.43	162.6	7.21	158.1	6.97	154.1	6.85	145.6	6.46
	59	12.2	164.8	6.75	161.9	6.46	157.3	6.39	153.2	6.29	149.2	6.02	140.9	5.49
		17.8	166.9	6.65	163.8	6.42	159.2	6.37	155.1	6.22	150.9	5.95	142.7	5.42
		30.4	171.5	6.42	168.0	6.32	163.6	6.32	159.5	6.06	154.8	5.79	146.6	5.26
		38.0	172.4	6.57	169.7	6.47	165.6	6.32	161.1	6.06	157.0	5.96	148.3	5.79
		45.6	172.9	6.65	170.5	6.55	166.7	6.32	161.9	6.06	158.1	6.04	149.2	6.06
	68	12.2	171.1	6.19	167.9	5.91	163.5	5.78	159.0	5.59	154.4	5.47	145.2	5.30
		17.8	173.2	6.12	170.0	5.90	165.4	5.77	160.9	5.63	156.5	5.53	147.3	5.23
		30.4	177.8	5.97	174.7	5.88	169.8	5.75	165.3	5.71	161.1	5.65	152.0	5.08
		38.0	178.6	5.97	175.9	5.88	171.8	5.79	166.9	5.71	162.4	5.65	153.2	5.40
		45.6	179.0	5.97	176.6	5.88	172.8	5.81	167.7	5.71	163.0	5.65	153.8	5.57
	77	12.2	180.6	5.91	175.9	5.73	171.8	5.64	168.5	5.54	164.8	5.46	155.3	5.10
		17.8	180.6	5.87	175.9	5.72	171.8	5.60	168.5	5.51	164.8	5.43	155.3	5.07
		30.4	180.6	5.79	175.9	5.69	171.8	5.52	168.5	5.44	164.8	5.35	155.3	4.99
		38.0	180.6	5.71	175.9	5.54	171.8	5.44	168.5	5.35	164.8	5.26	155.3	4.90
		45.6	180.6	5.66	175.9	5.47	171.8	5.40	168.5	5.30	164.8	5.21	155.3	4.86
	86	12.2	180.6	5.75	175.9	5.47	171.8	5.42	168.5	5.28	164.8	5.22	155.3	4.86
		17.8	180.6	5.68	175.9	5.45	171.8	5.37	168.5	5.25	164.8	5.15	155.3	4.79
		30.4	180.6	5.52	175.9	5.42	171.8	5.26	168.5	5.17	164.8	4.99	155.3	4.64
		38.0	180.6	5.44	175.9	5.27	171.8	5.17	168.5	5.08	164.8	4.99	155.3	4.64
		45.6	180.6	5.40	175.9	5.20	171.8	5.13	168.5	5.03	164.8	4.99	155.3	4.64
	95	12.2	180.6	5.49	175.9	5.30	171.8	5.20	168.5	5.01	164.8	4.84	155.3	4.50
		17.8	180.6	5.42	175.9	5.25	171.8	5.16	168.5	4.98	164.8	4.80	155.3	4.43
		30.4	180.6	5.26	175.9	5.15	171.8	5.08	168.5	4.90	164.8	4.72	155.3	4.28
		38.0	180.6	5.26	175.9	5.10	171.8	4.99	168.5	4.81	164.8	4.64	155.3	4.28
		45.6	180.6	5.26	175.9	5.07	171.8	4.94	168.5	4.77	164.8	4.60	155.3	4.28
	104	12.2	180.6	5.30	175.9	5.13	171.8	5.03	168.5	4.86	164.8	4.68	155.3	4.23
		17.8	180.6	5.23	175.9	5.08	171.8	4.96	168.5	4.79	164.8	4.61	155.3	4.16
		30.4	180.6	5.08	175.9	4.97	171.8	4.81	168.5	4.64	164.8	4.45	155.3	4.01
		38.0	180.6	4.99	175.9	4.89	171.8	4.81	168.5	4.64	164.8	4.45	155.3	4.01
		45.6	180.6	4.94	175.9	4.84	171.8	4.81	168.5	4.64	164.8	4.45	155.3	4.01
	113	12.2	180.6	5.12	175.9	4.96	171.8	4.88	168.5	4.70	164.8	4.52	155.3	3.96
		17.8	180.6	5.05	175.9	4.91	171.8	4.78	168.5	4.60	164.8	4.42	155.3	3.89
		30.4	180.6	4.90	175.9	4.79	171.8	4.55	168.5	4.37	164.8	4.19	155.3	3.74
		38.0	180.6	4.72	175.9	4.67	171.8	4.64	168.5	4.45	164.8	4.28	155.3	3.74
		45.6	180.6	4.63	175.9	4.61	171.8	4.68	168.5	4.49	164.8	4.32	155.3	3.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

### 121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	12.2	60.7	5.60	60.2	5.27	59.8	4.91	59.1	4.70	59.6	4.56	58.0	4.09
		17.8	63.9	5.75	63.4	5.43	63.0	5.07	62.2	4.86	62.7	4.71	61.0	4.23
		30.4	71.1	6.08	70.5	5.78	70.1	5.44	69.2	5.21	69.8	5.06	67.9	4.54
		38.0	78.5	6.47	77.9	6.18	77.4	5.86	76.5	5.62	77.1	5.46	75.0	4.89
		45.6	82.2	6.67	81.6	6.38	81.0	6.08	80.1	5.83	80.8	5.66	78.5	5.06
	32	12.2	108.5	7.66	105.9	7.43	103.6	7.19	101.5	6.88	101.5	6.69	96.8	5.98
		17.8	109.5	7.69	106.9	7.46	104.6	7.22	102.4	6.91	102.4	6.72	97.7	6.01
		30.4	111.6	7.76	109.0	7.52	106.7	7.29	104.5	6.99	104.5	6.79	99.8	6.08
		38.0	113.4	7.76	110.8	7.52	108.4	7.29	106.1	6.99	106.0	6.79	101.3	6.08
		45.6	114.3	7.76	111.6	7.52	109.2	7.29	106.9	6.99	106.8	6.79	102.1	6.08
	41	12.2	156.4	8.23	154.1	8.03	150.7	7.82	147.1	7.49	142.4	7.28	134.6	6.52
		17.8	157.3	8.29	154.5	8.09	150.7	7.88	147.1	7.55	142.4	7.34	134.6	6.57
		30.4	159.2	8.42	155.5	8.21	150.7	8.02	147.1	7.69	142.4	7.47	134.6	6.68
		38.0	160.1	8.47	154.6	8.27	150.7	8.08	147.1	7.74	142.4	7.52	134.6	6.73
		45.6	160.6	8.50	154.1	8.30	150.7	8.10	147.1	7.77	142.4	7.55	134.6	6.75
	50	12.2	157.0	7.40	154.1	7.19	150.3	7.05	146.6	6.83	142.0	6.61	134.3	5.94
		17.8	158.1	7.44	155.1	7.23	150.9	7.09	147.2	6.85	142.6	6.60	134.8	5.95
		30.4	160.6	7.52	157.2	7.33	152.3	7.17	148.7	6.88	143.9	6.58	136.0	5.97
		38.0	161.5	7.50	156.7	7.33	153.0	7.20	149.3	6.91	144.5	6.61	136.6	6.18
		45.6	161.9	7.48	156.5	7.33	153.3	7.21	149.6	6.92	144.9	6.62	136.9	6.28
	59	12.2	157.4	6.56	154.3	6.37	149.8	6.27	146.2	6.17	141.7	5.93	133.9	5.37
		17.8	158.8	6.58	155.7	6.39	151.1	6.29	147.5	6.14	142.8	5.86	135.0	5.34
		30.4	162.0	6.63	159.0	6.44	154.1	6.32	150.3	6.06	145.3	5.71	137.5	5.26
		38.0	162.9	6.53	158.9	6.38	155.3	6.32	151.6	6.06	146.6	5.71	138.8	5.61
		45.6	163.3	6.48	158.8	6.35	156.0	6.32	152.2	6.06	147.2	5.71	139.4	5.80
	68	12.2	161.8	5.90	158.8	5.65	154.0	5.50	149.7	5.42	144.9	5.35	137.1	5.08
		17.8	163.4	5.90	160.2	5.68	155.3	5.53	151.2	5.45	146.3	5.34	138.4	5.05
		30.4	167.0	5.90	163.5	5.75	158.2	5.61	154.5	5.52	149.4	5.33	141.2	4.99
		38.0	167.8	5.85	163.4	5.71	159.5	5.61	155.3	5.52	150.3	5.35	142.0	5.17
		45.6	168.2	5.82	163.3	5.68	160.1	5.61	155.8	5.52	150.8	5.36	142.5	5.26
	77	12.2	169.7	5.58	164.8	5.32	159.5	5.22	156.1	5.10	152.0	5.01	143.7	4.66
		17.8	169.9	5.55	164.8	5.30	159.5	5.20	156.1	5.07	152.0	4.98	143.7	4.63
		30.4	170.2	5.48	164.8	5.27	159.5	5.17	156.1	4.99	152.0	4.90	143.7	4.55
		38.0	170.7	5.27	164.8	5.14	159.5	5.08	156.1	4.99	152.0	4.81	143.7	4.55
		45.6	170.9	5.17	164.8	5.07	159.5	5.03	156.1	4.99	152.0	4.77	143.7	4.55
	86	12.2	170.7	5.34	164.8	5.07	159.5	4.93	156.1	4.74	152.0	4.68	143.7	4.30
		17.8	170.7	5.27	164.8	5.02	159.5	4.89	156.1	4.71	152.0	4.61	143.7	4.27
		30.4	170.7	5.12	164.8	4.92	159.5	4.81	156.1	4.64	152.0	4.45	143.7	4.19
		38.0	170.7	4.95	164.8	4.81	159.5	4.72	156.1	4.64	152.0	4.45	143.7	4.10
		45.6	170.7	4.87	164.8	4.76	159.5	4.67	156.1	4.64	152.0	4.45	143.7	4.06
	95	12.2	170.7	5.10	164.8	4.82	159.5	4.68	156.1	4.50	152.0	4.32	143.7	3.94
		17.8	170.7	4.99	164.8	4.75	159.5	4.61	156.1	4.43	152.0	4.25	143.7	3.91
		30.4	170.7	4.74	164.8	4.60	159.5	4.45	156.1	4.28	152.0	4.10	143.7	3.84
		38.0	170.7	4.68	164.8	4.56	159.5	4.45	156.1	4.28	152.0	4.10	143.7	3.74
		45.6	170.7	4.66	164.8	4.54	159.5	4.45	156.1	4.28	152.0	4.10	143.7	3.70
	104	12.2	170.7	4.94	164.8	4.60	159.5	4.42	156.1	4.23	152.0	4.05	143.7	3.67
		17.8	170.7	4.80	164.8	4.52	159.5	4.35	156.1	4.16	152.0	3.99	143.7	3.64
		30.4	170.7	4.47	164.8	4.33	159.5	4.19	156.1	4.01	152.0	3.84	143.7	3.57
		38.0	170.7	4.42	164.8	4.28	159.5	4.19	156.1	4.01	152.0	3.84	143.7	3.48
		45.6	170.7	4.39	164.8	4.25	159.5	4.19	156.1	4.01	152.0	3.84	143.7	3.43
	113	12.2	170.7	4.79	164.8	4.38	159.5	4.15	156.1	3.96	152.0	3.79	143.7	3.40
		17.8	170.7	4.61	164.8	4.28	159.5	4.08	156.1	3.89	152.0	3.72	143.7	3.37
		30.4	170.7	4.20	164.8	4.07	159.5	3.92	156.1	3.74	152.0	3.57	143.7	3.30
		38.0	170.7	4.15	164.8	3.99	159.5	3.92	156.1	3.74	152.0	3.57	143.7	3.21
		45.6	170.7	4.12	164.8	3.95	159.5	3.92	156.1	3.74	152.0	3.57	143.7	3.16

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM121BAS5

121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	12.2	57.4	5.67	57.1	5.27	56.7	4.91	56.1	4.70	56.2	4.56	55.0	4.09
		17.8	60.4	5.82	60.1	5.43	59.7	5.07	59.1	4.86	59.1	4.71	57.9	4.23
		30.4	67.2	6.16	66.8	5.78	66.4	5.44	65.7	5.21	65.7	5.06	64.4	4.54
		38.0	74.2	6.55	73.7	6.18	73.3	5.86	72.6	5.62	72.6	5.46	71.1	4.89
		45.6	77.8	6.75	77.2	6.38	76.8	6.08	76.1	5.83	76.1	5.66	74.4	5.06
	32	12.2	102.6	7.76	100.4	7.43	98.3	7.19	96.4	6.88	95.5	6.69	91.9	5.98
		17.8	103.5	7.79	101.3	7.46	99.2	7.22	97.3	6.91	96.4	6.72	92.7	6.01
		30.4	105.6	7.85	103.4	7.52	101.1	7.29	99.2	6.99	98.3	6.79	94.6	6.08
		38.0	107.2	7.85	105.0	7.52	102.7	7.29	100.7	6.99	99.8	6.79	95.9	6.08
		45.6	108.1	7.85	105.8	7.52	103.5	7.29	101.5	6.99	100.6	6.79	96.6	6.08
	41	12.2	149.7	8.34	146.1	8.03	142.8	7.82	139.5	7.49	134.1	7.28	127.6	6.52
		17.8	150.5	8.40	146.6	8.09	142.8	7.88	139.5	7.55	134.1	7.34	127.6	6.57
		30.4	152.2	8.53	147.6	8.21	142.9	8.02	139.5	7.69	134.1	7.47	127.6	6.68
		38.0	153.1	8.58	147.9	8.27	142.9	8.08	139.5	7.74	134.1	7.52	127.6	6.73
		45.6	153.5	8.61	148.1	8.30	142.9	8.10	139.5	7.77	134.1	7.55	127.6	6.75
	50	12.2	150.3	7.48	146.5	7.23	142.6	7.07	139.3	6.83	133.9	6.61	127.4	5.94
		17.8	151.2	7.50	147.1	7.26	142.9	7.10	139.6	6.85	134.2	6.60	127.6	5.95
		30.4	153.1	7.55	148.4	7.33	143.7	7.17	140.4	6.88	135.0	6.58	128.2	5.97
		38.0	154.0	7.55	149.1	7.33	144.2	7.15	140.7	6.86	135.3	6.61	128.6	6.04
		45.6	154.4	7.55	149.4	7.33	144.4	7.14	140.8	6.85	135.4	6.62	128.8	6.07
	59	12.2	150.7	6.62	146.8	6.44	142.5	6.32	139.1	6.17	133.7	5.93	127.3	5.37
		17.8	151.7	6.60	147.6	6.44	143.1	6.32	139.7	6.14	134.4	5.86	127.8	5.34
		30.4	153.8	6.57	149.4	6.44	144.5	6.32	141.2	6.06	135.9	5.71	128.8	5.26
		38.0	154.7	6.53	150.2	6.38	145.3	6.24	141.7	5.97	136.3	5.71	129.6	5.35
		45.6	155.2	6.50	150.6	6.35	145.7	6.20	141.9	5.93	136.4	5.71	130.0	5.39
	68	12.2	153.5	5.71	149.3	5.58	144.5	5.44	140.6	5.35	135.5	5.20	128.3	4.86
		17.8	154.8	5.73	150.1	5.58	145.1	5.44	141.4	5.35	136.1	5.16	129.1	4.84
		30.4	157.6	5.77	151.8	5.58	146.6	5.44	143.3	5.35	137.5	5.08	130.9	4.81
		38.0	158.5	5.77	153.1	5.58	147.4	5.44	143.7	5.26	138.3	5.08	131.2	4.81
		45.6	158.9	5.77	153.7	5.58	147.9	5.44	143.9	5.21	138.6	5.08	131.4	4.81
	77	12.2	158.3	5.20	153.6	5.01	147.4	4.93	144.2	4.74	139.1	4.57	131.7	4.19
		17.8	158.8	5.18	153.6	4.98	147.4	4.89	144.2	4.71	139.1	4.53	131.7	4.19
		30.4	159.9	5.15	153.6	4.90	147.4	4.81	144.2	4.64	139.1	4.45	131.7	4.19
		38.0	160.6	5.15	153.6	4.92	147.4	4.72	144.2	4.64	139.1	4.37	131.7	4.10
		45.6	161.0	5.15	153.6	4.93	147.4	4.67	144.2	4.64	139.1	4.33	131.7	4.06
	86	12.2	160.6	4.74	153.6	4.57	147.4	4.39	144.2	4.30	139.1	4.03	131.7	3.77
		17.8	160.6	4.71	153.6	4.53	147.4	4.36	144.2	4.27	139.1	4.00	131.7	3.73
		30.4	160.6	4.64	153.6	4.45	147.4	4.28	144.2	4.19	139.1	3.92	131.7	3.65
		38.0	160.6	4.60	153.6	4.37	147.4	4.19	144.2	4.10	139.1	3.92	131.7	3.65
		45.6	160.6	4.58	153.6	4.33	147.4	4.14	144.2	4.06	139.1	3.92	131.7	3.65
	95	12.2	160.6	4.50	153.6	4.21	147.4	4.03	144.2	3.86	139.1	3.67	131.7	3.40
		17.8	160.6	4.43	153.6	4.18	147.4	4.00	144.2	3.82	139.1	3.64	131.7	3.37
		30.4	160.6	4.28	153.6	4.10	147.4	3.92	144.2	3.74	139.1	3.57	131.7	3.30
		38.0	160.6	4.17	153.6	4.01	147.4	3.84	144.2	3.74	139.1	3.57	131.7	3.30
		45.6	160.6	4.11	153.6	3.96	147.4	3.79	144.2	3.74	139.1	3.57	131.7	3.30
	104	12.2	160.6	4.23	153.6	4.05	147.4	3.79	144.2	3.59	139.1	3.40	131.7	3.14
		17.8	160.6	4.16	153.6	3.99	147.4	3.72	144.2	3.56	139.1	3.37	131.7	3.11
		30.4	160.6	4.01	153.6	3.84	147.4	3.57	144.2	3.48	139.1	3.30	131.7	3.03
		38.0	160.6	3.96	153.6	3.74	147.4	3.57	144.2	3.38	139.1	3.21	131.7	2.94
		45.6	160.6	3.93	153.6	3.70	147.4	3.57	144.2	3.34	139.1	3.16	131.7	2.89
	113	12.2	160.6	3.96	153.6	3.90	147.4	3.54	144.2	3.32	139.1	3.14	131.7	2.87
		17.8	160.6	3.89	153.6	3.80	147.4	3.44	144.2	3.29	139.1	3.11	131.7	2.84
		30.4	160.6	3.74	153.6	3.57	147.4	3.21	144.2	3.21	139.1	3.03	131.7	2.77
		38.0	160.6	3.74	153.6	3.48	147.4	3.30	144.2	3.03	139.1	2.85	131.7	2.58
		45.6	160.6	3.74	153.6	3.43	147.4	3.35	144.2	2.94	139.1	2.76	131.7	2.49

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	12.2	54.3	5.67	53.9	5.35	53.7	4.91	53.2	4.70	52.7	4.49	51.7	4.09
		17.8	57.1	5.82	56.8	5.50	56.5	5.07	56.0	4.86	55.5	4.64	54.5	4.23
		30.4	63.5	6.16	63.2	5.85	62.8	5.44	62.2	5.21	61.7	4.99	60.7	4.54
		38.0	70.2	6.55	69.7	6.26	69.3	5.86	68.7	5.62	68.2	5.37	66.9	4.89
		45.6	73.6	6.75	73.0	6.46	72.6	6.08	72.0	5.83	71.5	5.57	70.1	5.06
	32	12.2	97.0	7.76	94.9	7.53	92.9	7.19	91.3	6.88	89.6	6.59	86.5	5.98
		17.8	97.9	7.79	95.8	7.56	93.7	7.22	92.1	6.91	90.4	6.62	87.3	6.01
		30.4	99.8	7.85	97.7	7.62	95.6	7.29	93.9	6.99	92.3	6.68	89.0	6.08
		38.0	101.3	7.85	99.2	7.62	97.1	7.29	95.3	6.99	93.7	6.68	90.4	6.08
		45.6	102.1	7.85	100.0	7.62	97.8	7.29	96.0	6.99	94.4	6.68	91.1	6.08
	41	12.2	143.2	8.34	138.4	8.14	134.8	7.82	132.1	7.49	125.8	7.17	120.1	6.52
		17.8	144.0	8.40	138.8	8.20	134.9	7.88	132.1	7.55	125.8	7.23	120.1	6.57
		30.4	145.7	8.53	139.6	8.33	135.0	8.02	132.1	7.69	125.8	7.36	120.1	6.68
		38.0	146.6	8.58	140.0	8.38	135.0	8.08	132.1	7.74	125.8	7.40	120.1	6.73
		45.6	147.0	8.61	140.2	8.41	135.0	8.10	132.1	7.77	125.8	7.43	120.1	6.75
	50	12.2	143.9	7.46	138.8	7.30	135.0	7.07	132.1	6.83	125.8	6.49	120.1	5.94
		17.8	144.5	7.51	139.1	7.33	135.0	7.10	132.1	6.85	125.8	6.50	120.1	5.95
		30.4	145.7	7.63	139.8	7.41	135.0	7.17	132.1	6.88	125.8	6.53	120.1	5.97
		38.0	146.7	7.61	140.4	7.41	135.0	7.15	132.1	6.86	125.8	6.51	120.1	5.95
		45.6	147.2	7.59	140.7	7.41	135.0	7.14	132.1	6.85	125.8	6.50	120.1	5.93
	59	12.2	144.7	6.58	139.4	6.47	135.0	6.32	132.1	6.17	125.8	5.81	120.1	5.37
		17.8	145.0	6.63	139.6	6.48	135.0	6.32	132.1	6.14	125.8	5.78	120.1	5.34
		30.4	145.7	6.74	139.9	6.49	135.0	6.32	132.1	6.06	125.8	5.71	120.1	5.26
		38.0	146.9	6.63	140.7	6.44	135.0	6.24	132.1	5.97	125.8	5.61	120.1	5.17
		45.6	147.6	6.57	141.0	6.41	135.0	6.20	132.1	5.93	125.8	5.57	120.1	5.13
	68	12.2	145.5	5.63	140.2	5.48	135.0	5.35	132.1	5.28	125.8	4.93	120.1	4.68
		17.8	146.3	5.67	140.4	5.49	135.0	5.35	132.1	5.25	125.8	4.89	120.1	4.61
		30.4	148.2	5.75	140.7	5.50	135.0	5.35	132.1	5.17	125.8	4.81	120.1	4.45
		38.0	149.1	5.65	141.9	5.46	135.0	5.26	132.1	5.08	125.8	4.72	120.1	4.37
		45.6	149.5	5.60	142.5	5.43	135.0	5.21	132.1	5.03	125.8	4.67	120.1	4.33
	77	12.2	147.3	4.92	142.4	4.76	135.0	4.57	132.1	4.39	125.8	4.13	120.1	3.74
		17.8	148.1	4.93	142.4	4.72	135.0	4.53	132.1	4.36	125.8	4.09	120.1	3.74
		30.4	149.9	4.94	142.4	4.64	135.0	4.45	132.1	4.28	125.8	4.01	120.1	3.74
		38.0	150.7	4.83	142.4	4.60	135.0	4.37	132.1	4.19	125.8	4.01	120.1	3.65
		45.6	151.1	4.78	142.4	4.58	135.0	4.33	132.1	4.14	125.8	4.01	120.1	3.60
	86	12.2	150.7	4.47	142.4	4.13	135.0	3.84	132.1	3.77	125.8	3.48	120.1	3.32
		17.8	150.7	4.44	142.4	4.09	135.0	3.83	132.1	3.73	125.8	3.48	120.1	3.29
		30.4	150.7	4.37	142.4	4.01	135.0	3.80	132.1	3.65	125.8	3.48	120.1	3.21
		38.0	150.7	4.28	142.4	4.01	135.0	3.74	132.1	3.65	125.8	3.38	120.1	3.21
		45.6	150.7	4.23	142.4	4.01	135.0	3.72	132.1	3.65	125.8	3.34	120.1	3.21
	95	12.2	150.7	4.15	142.4	3.79	135.0	3.39	132.1	3.32	125.8	3.14	120.1	2.87
		17.8	150.7	4.08	142.4	3.72	135.0	3.38	132.1	3.29	125.8	3.11	120.1	2.84
		30.4	150.7	3.92	142.4	3.57	135.0	3.35	132.1	3.21	125.8	3.03	120.1	2.77
		38.0	150.7	3.92	142.4	3.57	135.0	3.30	132.1	3.21	125.8	3.03	120.1	2.77
		45.6	150.7	3.92	142.4	3.57	135.0	3.28	132.1	3.21	125.8	3.03	120.1	2.77
	104	12.2	150.7	3.88	142.4	3.52	135.0	3.04	132.1	2.96	125.8	2.79	120.1	2.60
		17.8	150.7	3.81	142.4	3.45	135.0	3.03	132.1	2.93	125.8	2.75	120.1	2.57
		30.4	150.7	3.65	142.4	3.30	135.0	3.00	132.1	2.85	125.8	2.67	120.1	2.50
		38.0	150.7	3.57	142.4	3.30	135.0	2.94	132.1	2.85	125.8	2.67	120.1	2.50
		45.6	150.7	3.53	142.4	3.30	135.0	2.91	132.1	2.85	125.8	2.67	120.1	2.50
	113	12.2	150.7	3.61	142.4	3.25	135.0	2.68	132.1	2.60	125.8	2.43	120.1	2.34
		17.8	150.7	3.54	142.4	3.18	135.0	2.67	132.1	2.57	125.8	2.39	120.1	2.31
		30.4	150.7	3.38	142.4	3.03	135.0	2.64	132.1	2.50	125.8	2.31	120.1	2.23
		38.0	150.7	3.21	142.4	3.03	135.0	2.58	132.1	2.50	125.8	2.31	120.1	2.23
		45.6	150.7	3.12	142.4	3.03	135.0	2.55	132.1	2.50	125.8	2.31	120.1	2.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM121BAS5

121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	12.2	51.2	5.27	49.6	4.80	48.2	4.21	47.8	4.01	47.5	3.87	46.6	3.47
		17.8	53.9	5.41	52.2	4.94	50.7	4.35	50.3	4.15	50.0	4.00	49.0	3.59
		30.4	60.0	5.72	58.1	5.25	56.4	4.67	56.0	4.45	55.6	4.30	54.5	3.85
		38.0	66.3	6.08	64.2	5.61	62.3	5.04	61.8	4.80	61.4	4.63	60.3	4.16
		45.6	69.5	6.26	67.2	5.80	65.3	5.23	64.7	4.98	64.3	4.80	63.2	4.31
	32	12.2	91.6	7.17	87.4	6.73	83.4	6.18	82.2	5.89	80.8	5.67	77.8	5.09
		17.8	92.4	7.20	88.2	6.76	84.2	6.20	82.9	5.91	81.5	5.69	78.5	5.11
		30.4	94.3	7.26	89.9	6.82	85.9	6.26	84.5	5.97	83.1	5.75	80.1	5.16
		38.0	95.7	7.26	91.3	6.82	87.3	6.26	85.8	5.97	84.5	5.75	81.4	5.16
		45.6	96.4	7.26	92.0	6.82	88.0	6.26	86.4	5.97	85.2	5.75	82.0	5.16
	41	12.2	129.5	7.70	125.3	7.27	121.3	6.73	118.8	6.41	113.5	6.17	108.1	5.54
		17.8	129.7	7.75	125.1	7.32	121.3	6.78	118.8	6.46	113.5	6.22	108.1	5.58
		30.4	130.1	7.87	124.8	7.44	121.3	6.89	118.8	6.57	113.5	6.33	108.1	5.68
		38.0	130.9	7.92	125.2	7.49	121.3	6.94	118.8	6.62	113.5	6.38	108.1	5.73
		45.6	131.2	7.94	125.4	7.51	121.3	6.97	118.8	6.64	113.5	6.40	108.1	5.75
	50	12.2	130.2	6.80	125.7	6.46	121.3	6.09	118.8	5.84	113.5	5.60	108.1	5.05
		17.8	130.1	6.81	125.5	6.47	121.3	6.10	118.8	5.85	113.5	5.59	108.1	5.06
		30.4	129.9	6.82	125.0	6.50	121.3	6.12	118.8	5.87	113.5	5.58	108.1	5.07
		38.0	130.7	6.80	125.3	6.48	121.3	6.10	118.8	5.85	113.5	5.60	108.1	5.09
		45.6	131.2	6.79	125.5	6.47	121.3	6.09	118.8	5.84	113.5	5.61	108.1	5.10
	59	12.2	130.8	5.89	126.2	5.67	121.3	5.46	118.8	5.28	113.5	5.03	108.1	4.57
		17.8	130.5	5.85	125.9	5.64	121.3	5.43	118.8	5.25	113.5	4.96	108.1	4.53
		30.4	129.7	5.77	125.1	5.56	121.3	5.35	118.8	5.17	113.5	4.81	108.1	4.45
		38.0	130.6	5.69	125.5	5.48	121.3	5.26	118.8	5.08	113.5	4.81	108.1	4.45
		45.6	131.0	5.65	125.6	5.43	121.3	5.21	118.8	5.03	113.5	4.81	108.1	4.45
	68	12.2	131.6	4.97	126.7	4.83	121.3	4.66	118.8	4.47	113.5	4.32	108.1	4.05
		17.8	131.4	4.97	126.3	4.81	121.3	4.63	118.8	4.44	113.5	4.25	108.1	3.99
		30.4	131.0	4.97	125.5	4.76	121.3	4.55	118.8	4.37	113.5	4.10	108.1	3.84
		38.0	131.4	4.89	125.8	4.72	121.3	4.55	118.8	4.37	113.5	4.10	108.1	3.84
		45.6	131.5	4.84	126.0	4.70	121.3	4.55	118.8	4.37	113.5	4.10	108.1	3.84
	77	12.2	133.8	4.34	128.3	4.11	121.3	3.94	118.8	3.74	113.5	3.59	108.1	3.32
		17.8	134.3	4.33	128.3	4.10	121.3	3.91	118.8	3.74	113.5	3.56	108.1	3.29
		30.4	135.4	4.30	128.3	4.07	121.3	3.84	118.8	3.74	113.5	3.48	108.1	3.21
		38.0	135.9	4.19	128.3	3.97	121.3	3.84	118.8	3.65	113.5	3.48	108.1	3.21
		45.6	136.1	4.13	128.3	3.93	121.3	3.84	118.8	3.60	113.5	3.48	108.1	3.21
	86	12.2	135.9	3.94	128.3	3.67	121.3	3.40	118.8	3.32	113.5	3.14	108.1	2.85
		17.8	135.9	3.91	128.3	3.64	121.3	3.37	118.8	3.29	113.5	3.11	108.1	2.85
		30.4	135.9	3.84	128.3	3.57	121.3	3.30	118.8	3.21	113.5	3.03	108.1	2.85
		38.0	135.9	3.74	128.3	3.48	121.3	3.30	118.8	3.21	113.5	3.03	108.1	2.77
		45.6	135.9	3.70	128.3	3.43	121.3	3.30	118.8	3.21	113.5	3.03	108.1	2.72
	95	12.2	135.9	3.59	128.3	3.32	121.3	3.06	118.8	2.96	113.5	2.79	108.1	2.60
		17.8	135.9	3.56	128.3	3.29	121.3	3.02	118.8	2.93	113.5	2.75	108.1	2.57
		30.4	135.9	3.48	128.3	3.21	121.3	2.94	118.8	2.85	113.5	2.67	108.1	2.50
		38.0	135.9	3.38	128.3	3.12	121.3	2.85	118.8	2.77	113.5	2.67	108.1	2.50
		45.6	135.9	3.34	128.3	3.07	121.3	2.80	118.8	2.72	113.5	2.67	108.1	2.50
	104	12.2	135.9	3.35	128.3	3.06	121.3	2.70	118.8	2.60	113.5	2.52	108.1	2.34
		17.8	135.9	3.28	128.3	3.02	121.3	2.66	118.8	2.57	113.5	2.49	108.1	2.31
		30.4	135.9	3.12	128.3	2.94	121.3	2.58	118.8	2.50	113.5	2.41	108.1	2.23
		38.0	135.9	3.12	128.3	2.94	121.3	2.58	118.8	2.50	113.5	2.41	108.1	2.23
		45.6	135.9	3.12	128.3	2.94	121.3	2.58	118.8	2.50	113.5	2.41	108.1	2.23
	113	12.2	135.9	3.10	128.3	2.79	121.3	2.34	118.8	2.25	113.5	2.25	108.1	2.07
		17.8	135.9	3.00	128.3	2.75	121.3	2.31	118.8	2.22	113.5	2.22	108.1	2.04
		30.4	135.9	2.77	128.3	2.67	121.3	2.23	118.8	2.14	113.5	2.14	108.1	1.96
		38.0	135.9	2.85	128.3	2.77	121.3	2.31	118.8	2.23	113.5	2.14	108.1	1.96
		45.6	135.9	2.89	128.3	2.81	121.3	2.36	118.8	2.28	113.5	2.14	108.1	1.96

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	12.2	48.5	3.75	45.4	3.61	43.0	3.46	42.5	3.34	42.2	3.18	41.4	2.93
		17.8	51.0	3.88	47.8	3.73	45.2	3.57	44.7	3.45	44.4	3.29	43.6	3.03
		30.4	56.6	4.17	53.1	4.00	50.2	3.83	49.7	3.70	49.5	3.53	48.5	3.25
		38.0	62.7	4.49	58.6	4.31	55.5	4.13	54.9	3.99	54.6	3.81	53.5	3.50
	32	45.6	65.7	4.65	61.4	4.47	58.2	4.28	57.5	4.14	57.2	3.95	56.0	3.63
		12.2	86.5	5.51	79.8	5.28	74.3	5.07	72.9	4.89	71.9	4.66	69.2	4.29
		17.8	87.3	5.53	80.5	5.31	75.0	5.09	73.6	4.91	72.6	4.68	69.8	4.31
		30.4	89.2	5.59	82.1	5.37	76.5	5.14	75.1	4.96	74.1	4.73	71.2	4.35
	41	38.0	90.4	5.59	83.4	5.37	77.7	5.14	76.2	4.96	75.2	4.73	72.3	4.35
		45.6	91.1	5.59	84.0	5.37	78.4	5.14	76.8	4.96	75.8	4.73	72.9	4.35
		12.2	119.7	5.99	112.9	5.76	108.0	5.50	105.6	5.32	101.1	5.07	96.1	4.67
		17.8	120.1	6.04	113.2	5.80	108.0	5.55	105.6	5.36	101.1	5.11	96.1	4.71
	50	30.4	120.9	6.15	114.0	5.90	108.1	5.65	105.6	5.46	101.1	5.20	96.1	4.79
		38.0	120.9	6.19	113.9	5.95	108.1	5.69	105.6	5.49	101.1	5.24	96.1	4.82
		45.6	120.9	6.20	113.8	5.97	108.1	5.71	105.6	5.51	101.1	5.26	96.1	4.84
		12.2	120.3	5.51	113.4	5.26	108.0	4.99	105.6	4.86	101.1	4.60	96.1	4.26
	59	17.8	120.5	5.50	113.6	5.25	108.0	5.00	105.6	4.86	101.1	4.60	96.1	4.26
		30.4	120.9	5.48	114.0	5.23	108.1	5.01	105.6	4.87	101.1	4.61	96.1	4.27
		38.0	120.9	5.46	113.9	5.25	108.1	5.02	105.6	4.84	101.1	4.58	96.1	4.24
		45.6	120.9	5.45	113.8	5.26	108.1	5.03	105.6	4.83	101.1	4.57	96.1	4.23
	68	12.2	120.9	5.03	113.9	4.76	108.1	4.47	105.6	4.39	101.1	4.13	96.1	3.86
		17.8	120.9	4.96	113.9	4.70	108.1	4.44	105.6	4.36	101.1	4.09	96.1	3.82
		30.4	120.9	4.81	113.9	4.55	108.1	4.37	105.6	4.28	101.1	4.01	96.1	3.74
		38.0	120.9	4.72	113.9	4.55	108.1	4.37	105.6	4.19	101.1	3.92	96.1	3.65
	77	45.6	120.9	4.67	113.9	4.55	108.1	4.37	105.6	4.14	101.1	3.87	96.1	3.60
		12.2	120.9	4.21	113.9	4.03	108.1	3.84	105.6	3.77	101.1	3.59	96.1	3.32
		17.8	120.9	4.18	113.9	4.00	108.1	3.84	105.6	3.73	101.1	3.56	96.1	3.29
		30.4	120.9	4.10	113.9	3.92	108.1	3.84	105.6	3.65	101.1	3.48	96.1	3.21
	86	38.0	120.9	4.01	113.9	3.84	108.1	3.74	105.6	3.65	101.1	3.38	96.1	3.21
		45.6	120.9	3.96	113.9	3.79	108.1	3.70	105.6	3.65	101.1	3.34	96.1	3.21
		12.2	120.9	3.77	113.9	3.50	108.1	3.30	105.6	3.23	101.1	3.06	96.1	2.87
		17.8	120.9	3.73	113.9	3.46	108.1	3.30	105.6	3.20	101.1	3.02	96.1	2.84
	95	30.4	120.9	3.65	113.9	3.38	108.1	3.30	105.6	3.12	101.1	2.94	96.1	2.77
		38.0	120.9	3.57	113.9	3.38	108.1	3.21	105.6	3.12	101.1	2.94	96.1	2.77
		45.6	120.9	3.53	113.9	3.38	108.1	3.16	105.6	3.12	101.1	2.94	96.1	2.77
		12.2	120.9	3.32	113.9	3.14	108.1	2.96	105.6	2.87	101.1	2.70	96.1	2.52
	104	17.8	120.9	3.29	113.9	3.11	108.1	2.93	105.6	2.84	101.1	2.66	96.1	2.49
		30.4	120.9	3.21	113.9	3.03	108.1	2.85	105.6	2.77	101.1	2.58	96.1	2.41
		38.0	120.9	3.21	113.9	3.03	108.1	2.85	105.6	2.77	101.1	2.58	96.1	2.41
		45.6	120.9	3.21	113.9	3.03	108.1	2.85	105.6	2.77	101.1	2.58	96.1	2.41
	113	12.2	120.9	3.06	113.9	2.87	108.1	2.60	105.6	2.50	101.1	2.43	96.1	2.23
		17.8	120.9	3.02	113.9	2.84	108.1	2.57	105.6	2.50	101.1	2.39	96.1	2.23
		30.4	120.9	2.94	113.9	2.77	108.1	2.50	105.6	2.50	101.1	2.31	96.1	2.23
		38.0	120.9	2.94	113.9	2.67	108.1	2.50	105.6	2.41	101.1	2.31	96.1	2.14
	104	45.6	120.9	2.94	113.9	2.63	108.1	2.50	105.6	2.36	101.1	2.31	96.1	2.09
		12.2	120.9	2.89	113.9	2.60	108.1	2.31	105.6	2.34	101.1	2.14	96.1	2.07
		17.8	120.9	2.82	113.9	2.57	108.1	2.31	105.6	2.31	101.1	2.14	96.1	2.04
		30.4	120.9	2.67	113.9	2.50	108.1	2.31	105.6	2.23	101.1	2.14	96.1	1.96
	113	38.0	120.9	2.67	113.9	2.50	108.1	2.23	105.6	2.23	101.1	2.14	96.1	1.96
		45.6	120.9	2.67	113.9	2.50	108.1	2.19	105.6	2.23	101.1	2.14	96.1	1.96
		12.2	120.9	2.74	113.9	2.34	108.1	2.02	105.6	2.18	101.1	1.85	96.1	1.92
		17.8	120.9	2.64	113.9	2.31	108.1	2.06	105.6	2.11	101.1	1.88	96.1	1.85
	113	30.4	120.9	2.41	113.9	2.23	108.1	2.14	105.6	1.96	101.1	1.96	96.1	1.70
		38.0	120.9	2.41	113.9	2.31	108.1	1.96	105.6	2.05	101.1	1.96	96.1	1.78
	113	45.6	120.9	2.41	113.9	2.36	108.1	1.88	105.6	2.09	101.1	1.96	96.1	1.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM121BAS5

121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	12.2	42.2	3.22	39.7	3.07	37.5	2.97	37.2	2.80	36.9	2.70	36.3	2.45
		17.8	44.4	3.33	41.8	3.17	39.4	3.07	39.1	2.89	38.8	2.79	38.2	2.53
		30.4	49.5	3.57	46.5	3.40	43.8	3.29	43.5	3.10	43.2	2.99	42.4	2.72
		38.0	54.8	3.85	51.4	3.67	48.5	3.55	48.1	3.34	47.7	3.23	46.8	2.93
		45.6	57.4	4.00	53.8	3.80	50.8	3.68	50.4	3.46	50.0	3.35	49.1	3.04
	32	12.2	75.7	4.72	69.9	4.50	64.9	4.35	63.8	4.09	62.8	3.95	60.6	3.60
		17.8	76.4	4.74	70.5	4.52	65.5	4.37	64.4	4.11	63.4	3.97	61.1	3.61
		30.4	77.9	4.78	72.0	4.55	66.8	4.42	65.7	4.15	64.7	4.01	62.3	3.64
		38.0	79.0	4.78	73.1	4.55	67.8	4.42	66.7	4.15	65.7	4.01	63.3	3.64
		45.6	79.6	4.78	73.7	4.55	68.3	4.42	67.2	4.15	66.2	4.01	63.8	3.64
	41	12.2	104.5	5.14	99.0	4.89	94.3	4.73	92.3	4.46	88.2	4.30	84.0	3.91
		17.8	104.8	5.18	99.3	4.93	94.3	4.77	92.3	4.49	88.2	4.34	84.0	3.94
		30.4	105.6	5.26	100.0	5.02	94.4	4.86	92.3	4.56	88.2	4.42	84.0	4.01
		38.0	105.6	5.30	99.8	5.05	94.4	4.90	92.3	4.60	88.2	4.44	84.0	4.04
		45.6	105.6	5.32	99.8	5.07	94.4	4.91	92.3	4.62	88.2	4.46	84.0	4.05
	50	12.2	105.0	4.73	99.4	4.47	94.4	4.31	92.3	4.07	88.2	3.90	84.0	3.57
		17.8	105.2	4.71	99.5	4.46	94.4	4.29	92.3	4.07	88.2	3.90	84.0	3.57
		30.4	105.6	4.68	99.8	4.43	94.4	4.26	92.3	4.07	88.2	3.90	84.0	3.57
		38.0	105.6	4.70	99.8	4.44	94.4	4.28	92.3	4.08	88.2	3.87	84.0	3.58
		45.6	105.6	4.71	99.8	4.45	94.4	4.29	92.3	4.09	88.2	3.86	84.0	3.58
	59	12.2	105.6	4.32	99.8	4.05	94.4	3.88	92.3	3.67	88.2	3.50	84.0	3.23
		17.8	105.6	4.25	99.8	3.99	94.4	3.81	92.3	3.64	88.2	3.46	84.0	3.20
		30.4	105.6	4.10	99.8	3.84	94.4	3.65	92.3	3.57	88.2	3.38	84.0	3.12
		38.0	105.6	4.10	99.8	3.84	94.4	3.65	92.3	3.57	88.2	3.30	84.0	3.12
		45.6	105.6	4.10	99.8	3.84	94.4	3.65	92.3	3.57	88.2	3.26	84.0	3.12
	68	12.2	105.6	3.59	99.8	3.40	94.4	3.32	92.3	3.23	88.2	3.06	84.0	2.87
		17.8	105.6	3.56	99.8	3.37	94.4	3.29	92.3	3.20	88.2	3.02	84.0	2.84
		30.4	105.6	3.48	99.8	3.30	94.4	3.21	92.3	3.12	88.2	2.94	84.0	2.77
		38.0	105.6	3.48	99.8	3.30	94.4	3.21	92.3	3.03	88.2	2.94	84.0	2.67
		45.6	105.6	3.48	99.8	3.30	94.4	3.21	92.3	2.99	88.2	2.94	84.0	2.63
	77	12.2	105.6	3.23	99.8	3.06	94.4	2.87	92.3	2.79	88.2	2.58	84.0	2.41
		17.8	105.6	3.20	99.8	3.02	94.4	2.84	92.3	2.75	88.2	2.58	84.0	2.41
		30.4	105.6	3.12	99.8	2.94	94.4	2.77	92.3	2.67	88.2	2.58	84.0	2.41
		38.0	105.6	3.03	99.8	2.85	94.4	2.77	92.3	2.67	88.2	2.50	84.0	2.41
		45.6	105.6	2.99	99.8	2.80	94.4	2.77	92.3	2.67	88.2	2.46	84.0	2.41
	86	12.2	105.6	2.87	99.8	2.70	94.4	2.52	92.3	2.41	88.2	2.34	84.0	2.14
		17.8	105.6	2.84	99.8	2.66	94.4	2.49	92.3	2.41	88.2	2.31	84.0	2.14
		30.4	105.6	2.77	99.8	2.58	94.4	2.41	92.3	2.41	88.2	2.23	84.0	2.14
		38.0	105.6	2.77	99.8	2.58	94.4	2.41	92.3	2.31	88.2	2.23	84.0	2.14
		45.6	105.6	2.77	99.8	2.58	94.4	2.41	92.3	2.27	88.2	2.23	84.0	2.14
	95	12.2	105.6	2.60	99.8	2.43	94.4	2.23	92.3	2.25	88.2	2.05	84.0	1.99
		17.8	105.6	2.57	99.8	2.39	94.4	2.23	92.3	2.22	88.2	2.05	84.0	1.95
		30.4	105.6	2.50	99.8	2.31	94.4	2.23	92.3	2.14	88.2	2.05	84.0	1.87
		38.0	105.6	2.50	99.8	2.31	94.4	2.14	92.3	2.14	88.2	2.05	84.0	1.87
		45.6	105.6	2.50	99.8	2.31	94.4	2.09	92.3	2.14	88.2	2.05	84.0	1.87
	104	12.2	105.6	2.43	99.8	2.25	94.4	2.07	92.3	1.96	88.2	1.87	84.0	1.80
		17.8	105.6	2.39	99.8	2.22	94.4	2.04	92.3	1.96	88.2	1.87	84.0	1.77
		30.4	105.6	2.31	99.8	2.14	94.4	1.96	92.3	1.96	88.2	1.87	84.0	1.70
		38.0	105.6	2.31	99.8	2.14	94.4	1.96	92.3	1.87	88.2	1.78	84.0	1.70
		45.6	105.6	2.31	99.8	2.14	94.4	1.96	92.3	1.83	88.2	1.73	84.0	1.70
	113	12.2	105.6	2.25	99.8	2.07	94.4	1.92	92.3	1.68	88.2	1.70	84.0	1.63
		17.8	105.6	2.22	99.8	2.04	94.4	1.85	92.3	1.71	88.2	1.70	84.0	1.59
		30.4	105.6	2.14	99.8	1.96	94.4	1.70	92.3	1.78	88.2	1.70	84.0	1.51
		38.0	105.6	2.14	99.8	1.96	94.4	1.78	92.3	1.60	88.2	1.51	84.0	1.51
		45.6	105.6	2.14	99.8	1.96	94.4	1.82	92.3	1.52	88.2	1.42	84.0	1.51

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM072BAS4, ARWM121BAS4  
121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	12.2	36.3	2.62	34.0	2.52	32.2	2.42	31.8	2.25	31.7	2.21	31.1	1.97
		17.8	38.2	2.71	35.8	2.60	33.9	2.50	33.5	2.32	33.4	2.28	32.7	2.04
		30.4	42.6	2.90	39.8	2.79	37.7	2.68	37.3	2.49	37.2	2.45	36.4	2.19
		38.0	47.0	3.13	44.0	3.01	41.7	2.89	41.2	2.69	41.1	2.65	40.2	2.36
		45.6	49.2	3.24	46.0	3.13	43.7	3.00	43.2	2.79	43.0	2.74	42.1	2.44
	32	12.2	64.9	3.83	59.8	3.70	55.8	3.54	54.7	3.29	53.9	3.25	52.0	2.90
		17.8	65.5	3.85	60.3	3.71	56.3	3.56	55.2	3.31	54.4	3.26	52.4	2.91
		30.4	66.8	3.89	61.5	3.74	57.5	3.60	56.3	3.34	55.5	3.29	53.4	2.93
		38.0	67.8	3.89	62.5	3.74	58.4	3.60	57.1	3.34	56.4	3.29	54.3	2.93
		45.6	68.3	3.89	63.0	3.74	58.8	3.60	57.6	3.34	56.8	3.29	54.7	2.93
	41	12.2	89.7	4.17	84.6	4.02	81.1	3.85	79.1	3.59	75.7	3.53	72.1	3.15
		17.8	90.0	4.20	84.8	4.05	81.1	3.88	79.1	3.62	75.7	3.56	72.1	3.17
		30.4	90.7	4.28	85.4	4.12	81.1	3.96	79.1	3.68	75.7	3.62	72.1	3.23
		38.0	90.7	4.31	85.3	4.15	81.1	3.98	79.1	3.71	75.7	3.64	72.1	3.25
		45.6	90.7	4.33	85.2	4.16	81.1	4.00	79.1	3.72	75.7	3.65	72.1	3.27
	50	12.2	90.2	3.84	84.9	3.67	81.1	3.49	79.1	3.26	75.7	3.20	72.1	2.87
		17.8	90.4	3.84	85.1	3.67	81.1	3.49	79.1	3.28	75.7	3.20	72.1	2.88
		30.4	90.7	3.84	85.4	3.67	81.1	3.49	79.1	3.31	75.7	3.19	72.1	2.90
		38.0	90.7	3.84	85.3	3.63	81.1	3.46	79.1	3.27	75.7	3.16	72.1	2.88
		45.6	90.7	3.85	85.2	3.61	81.1	3.44	79.1	3.25	75.7	3.15	72.1	2.86
	59	12.2	90.7	3.50	85.3	3.32	81.1	3.14	79.1	2.94	75.7	2.87	72.1	2.58
		17.8	90.7	3.46	85.3	3.29	81.1	3.11	79.1	2.94	75.7	2.84	72.1	2.58
		30.4	90.7	3.38	85.3	3.21	81.1	3.03	79.1	2.94	75.7	2.77	72.1	2.58
		38.0	90.7	3.38	85.3	3.12	81.1	2.94	79.1	2.85	75.7	2.67	72.1	2.50
		45.6	90.7	3.38	85.3	3.07	81.1	2.89	79.1	2.80	75.7	2.63	72.1	2.46
	68	12.2	90.7	3.06	85.3	2.87	81.1	2.70	79.1	2.60	75.7	2.52	72.1	2.34
		17.8	90.7	3.02	85.3	2.84	81.1	2.66	79.1	2.57	75.7	2.49	72.1	2.31
		30.4	90.7	2.94	85.3	2.77	81.1	2.58	79.1	2.50	75.7	2.41	72.1	2.23
		38.0	90.7	2.94	85.3	2.77	81.1	2.58	79.1	2.50	75.7	2.41	72.1	2.23
		45.6	90.7	2.94	85.3	2.77	81.1	2.58	79.1	2.50	75.7	2.41	72.1	2.23
	77	12.2	90.7	2.70	85.3	2.52	81.1	2.31	79.1	2.34	75.7	2.14	72.1	2.07
		17.8	90.7	2.66	85.3	2.49	81.1	2.31	79.1	2.31	75.7	2.14	72.1	2.04
		30.4	90.7	2.58	85.3	2.41	81.1	2.31	79.1	2.23	75.7	2.14	72.1	1.96
		38.0	90.7	2.58	85.3	2.41	81.1	2.23	79.1	2.23	75.7	2.14	72.1	1.96
		45.6	90.7	2.58	85.3	2.41	81.1	2.19	79.1	2.23	75.7	2.14	72.1	1.96
	86	12.2	90.7	2.43	85.3	2.25	81.1	2.16	79.1	2.07	75.7	1.99	72.1	1.89
		17.8	90.7	2.39	85.3	2.22	81.1	2.13	79.1	2.04	75.7	1.95	72.1	1.86
		30.4	90.7	2.31	85.3	2.14	81.1	2.05	79.1	1.96	75.7	1.87	72.1	1.78
		38.0	90.7	2.31	85.3	2.14	81.1	2.05	79.1	1.96	75.7	1.87	72.1	1.78
		45.6	90.7	2.31	85.3	2.14	81.1	2.05	79.1	1.96	75.7	1.87	72.1	1.78
	95	12.2	90.7	2.14	85.3	2.07	81.1	1.87	79.1	1.89	75.7	1.80	72.1	1.72
		17.8	90.7	2.14	85.3	2.04	81.1	1.87	79.1	1.86	75.7	1.77	72.1	1.68
		30.4	90.7	2.14	85.3	1.96	81.1	1.87	79.1	1.78	75.7	1.70	72.1	1.60
		38.0	90.7	2.14	85.3	1.96	81.1	1.78	79.1	1.78	75.7	1.70	72.1	1.60
		45.6	90.7	2.14	85.3	1.96	81.1	1.73	79.1	1.78	75.7	1.70	72.1	1.60
	104	12.2	90.7	1.96	85.3	1.89	81.1	1.70	79.1	1.72	75.7	1.63	72.1	1.51
		17.8	90.7	1.96	85.3	1.86	81.1	1.70	79.1	1.68	75.7	1.59	72.1	1.51
		30.4	90.7	1.96	85.3	1.78	81.1	1.70	79.1	1.60	75.7	1.51	72.1	1.51
		38.0	90.7	1.96	85.3	1.78	81.1	1.70	79.1	1.60	75.7	1.51	72.1	1.51
		45.6	90.7	1.96	85.3	1.78	81.1	1.70	79.1	1.60	75.7	1.51	72.1	1.51
	113	12.2	90.7	1.78	85.3	1.72	81.1	1.51	79.1	1.53	75.7	1.45	72.1	1.31
		17.8	90.7	1.78	85.3	1.68	81.1	1.51	79.1	1.50	75.7	1.42	72.1	1.35
		30.4	90.7	1.78	85.3	1.60	81.1	1.51	79.1	1.43	75.7	1.34	72.1	1.43
		38.0	90.7	1.78	85.3	1.60	81.1	1.60	79.1	1.43	75.7	1.34	72.1	1.43
		45.6	90.7	1.78	85.3	1.60	81.1	1.65	79.1	1.43	75.7	1.34	72.1	1.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM121BAS5

121,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	12.2	30.3	2.09	28.4	1.97	26.8	1.87	26.5	1.77	26.3	1.66	25.9	1.57
		17.8	31.8	2.15	29.9	2.04	28.2	1.93	27.9	1.83	27.7	1.72	27.3	1.62
		30.4	35.3	2.30	33.2	2.19	31.4	2.07	31.0	1.96	30.9	1.84	30.3	1.73
		38.0	39.1	2.49	36.7	2.36	34.7	2.23	34.3	2.12	34.0	1.98	33.5	1.87
		45.6	41.0	2.58	38.4	2.44	36.3	2.31	35.9	2.20	35.6	2.05	35.2	1.94
	32	12.2	53.9	3.05	49.9	2.90	46.4	2.73	45.4	2.59	44.8	2.44	43.2	2.30
		17.8	54.4	3.06	50.4	2.91	46.8	2.75	45.8	2.61	45.2	2.45	43.6	2.31
		30.4	55.5	3.09	51.4	2.93	47.8	2.78	46.8	2.64	46.2	2.47	44.5	2.33
		38.0	56.4	3.09	52.1	2.93	48.5	2.78	47.6	2.64	46.8	2.47	45.2	2.33
		45.6	56.8	3.09	52.5	2.93	48.8	2.78	48.0	2.64	47.2	2.47	45.6	2.33
	41	12.2	74.6	3.32	70.7	3.15	67.4	2.97	65.8	2.83	62.9	2.65	60.0	2.49
		17.8	74.8	3.34	70.9	3.17	67.5	2.99	65.8	2.85	62.9	2.67	60.0	2.51
		30.4	75.3	3.40	71.3	3.23	67.6	3.05	65.8	2.89	62.9	2.71	60.0	2.56
		38.0	75.3	3.43	71.2	3.25	67.6	3.07	65.8	2.91	62.9	2.74	60.0	2.58
		45.6	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
	50	12.2	75.0	3.06	70.9	2.88	67.4	2.71	65.8	2.59	62.9	2.39	60.0	2.28
		17.8	75.1	3.05	71.0	2.88	67.5	2.70	65.8	2.58	62.9	2.40	60.0	2.27
		30.4	75.3	3.03	71.3	2.87	67.6	2.68	65.8	2.56	62.9	2.42	60.0	2.26
		38.0	75.3	3.05	71.2	2.88	67.6	2.69	65.8	2.57	62.9	2.39	60.0	2.27
		45.6	75.3	3.06	71.1	2.88	67.6	2.70	65.8	2.58	62.9	2.37	60.0	2.27
	59	12.2	75.3	2.79	71.2	2.60	67.6	2.43	65.8	2.34	62.9	2.14	60.0	2.07
		17.8	75.3	2.75	71.2	2.57	67.6	2.39	65.8	2.31	62.9	2.14	60.0	2.04
		30.4	75.3	2.67	71.2	2.50	67.6	2.31	65.8	2.23	62.9	2.14	60.0	1.96
		38.0	75.3	2.67	71.2	2.50	67.6	2.31	65.8	2.23	62.9	2.05	60.0	1.96
		45.6	75.3	2.67	71.2	2.50	67.6	2.31	65.8	2.23	62.9	2.00	60.0	1.96
	68	12.2	75.3	2.43	71.2	2.25	67.6	2.16	65.8	2.07	62.9	1.99	60.0	1.78
		17.8	75.3	2.39	71.2	2.22	67.6	2.13	65.8	2.04	62.9	1.95	60.0	1.78
		30.4	75.3	2.31	71.2	2.14	67.6	2.05	65.8	1.96	62.9	1.87	60.0	1.78
		38.0	75.3	2.31	71.2	2.14	67.6	2.05	65.8	1.96	62.9	1.87	60.0	1.78
		45.6	75.3	2.31	71.2	2.14	67.6	2.05	65.8	1.96	62.9	1.87	60.0	1.78
	77	12.2	75.3	2.16	71.2	1.96	67.6	1.89	65.8	1.78	62.9	1.70	60.0	1.60
		17.8	75.3	2.13	71.2	1.96	67.6	1.86	65.8	1.78	62.9	1.70	60.0	1.60
		30.4	75.3	2.05	71.2	1.96	67.6	1.78	65.8	1.78	62.9	1.70	60.0	1.60
		38.0	75.3	2.05	71.2	1.96	67.6	1.78	65.8	1.78	62.9	1.70	60.0	1.60
		45.6	75.3	2.05	71.2	1.96	67.6	1.78	65.8	1.78	62.9	1.70	60.0	1.60
	86	12.2	75.3	1.99	71.2	1.80	67.6	1.72	65.8	1.60	62.9	1.63	60.0	1.53
		17.8	75.3	1.95	71.2	1.77	67.6	1.68	65.8	1.60	62.9	1.59	60.0	1.50
		30.4	75.3	1.87	71.2	1.70	67.6	1.60	65.8	1.60	62.9	1.51	60.0	1.43
		38.0	75.3	1.87	71.2	1.70	67.6	1.60	65.8	1.60	62.9	1.51	60.0	1.43
		45.6	75.3	1.87	71.2	1.70	67.6	1.60	65.8	1.60	62.9	1.51	60.0	1.43
	95	12.2	75.3	1.80	71.2	1.60	67.6	1.51	65.8	1.53	62.9	1.43	60.0	1.34
		17.8	75.3	1.77	71.2	1.60	67.6	1.51	65.8	1.50	62.9	1.43	60.0	1.34
		30.4	75.3	1.70	71.2	1.60	67.6	1.51	65.8	1.43	62.9	1.43	60.0	1.34
		38.0	75.3	1.70	71.2	1.60	67.6	1.51	65.8	1.43	62.9	1.43	60.0	1.34
		45.6	75.3	1.70	71.2	1.60	67.6	1.51	65.8	1.43	62.9	1.43	60.0	1.34
	104	12.2	75.3	1.63	71.2	1.53	67.6	1.45	65.8	1.34	62.9	1.36	60.0	1.24
		17.8	75.3	1.59	71.2	1.50	67.6	1.42	65.8	1.34	62.9	1.32	60.0	1.24
		30.4	75.3	1.51	71.2	1.43	67.6	1.34	65.8	1.34	62.9	1.24	60.0	1.24
		38.0	75.3	1.51	71.2	1.43	67.6	1.34	65.8	1.34	62.9	1.24	60.0	1.24
		45.6	75.3	1.51	71.2	1.43	67.6	1.34	65.8	1.34	62.9	1.24	60.0	1.24
	113	12.2	75.3	1.45	71.2	1.48	67.6	1.38	65.8	1.14	62.9	1.29	60.0	1.16
		17.8	75.3	1.42	71.2	1.41	67.6	1.31	65.8	1.17	62.9	1.22	60.0	1.16
		30.4	75.3	1.34	71.2	1.24	67.6	1.16	65.8	1.24	62.9	1.07	60.0	1.16
		38.0	75.3	1.34	71.2	1.24	67.6	1.16	65.8	1.24	62.9	1.07	60.0	1.16
		45.6	75.3	1.34	71.2	1.24	67.6	1.16	65.8	1.24	62.9	1.07	60.0	1.16

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	14.2	76.6	6.81	76.1	6.41	75.6	5.97	74.6	5.79	75.5	5.64	73.4	5.06
		17.8	79.3	6.93	78.7	6.54	78.2	6.10	77.2	5.92	78.1	5.76	76.0	5.17
		35.5	89.7	7.40	88.9	7.03	88.5	6.61	87.3	6.42	88.3	6.24	86.0	5.61
		44.4	99.2	7.87	98.3	7.51	97.7	7.13	96.4	6.94	97.7	6.74	95.1	6.04
		53.3	103.9	8.11	103.0	7.75	102.3	7.39	101.1	7.20	102.4	6.99	99.6	6.26
	32	14.2	136.9	9.31	133.8	9.04	130.9	8.74	128.1	8.50	128.5	8.26	122.7	7.40
		17.8	137.7	9.34	134.6	9.06	131.7	8.77	128.8	8.52	129.3	8.29	123.4	7.42
		35.5	141.1	9.44	137.6	9.15	134.7	8.87	131.9	8.62	132.3	8.38	126.4	7.51
		44.4	143.2	9.44	139.7	9.15	136.8	8.87	133.8	8.62	134.3	8.38	128.2	7.51
		53.3	144.2	9.44	140.8	9.15	137.9	8.87	134.8	8.62	135.3	8.38	129.2	7.51
	41	14.2	197.2	10.01	194.2	9.76	190.1	9.52	185.4	9.25	180.4	8.99	170.4	8.05
		17.8	197.9	10.06	194.6	9.81	190.2	9.56	185.4	9.29	180.4	9.04	170.4	8.09
		35.5	200.6	10.24	195.9	9.99	190.3	9.75	185.4	9.49	180.4	9.22	170.4	8.26
		44.4	201.8	10.30	196.5	10.06	190.3	9.82	185.4	9.55	180.4	9.28	170.4	8.32
		53.3	202.4	10.34	196.8	10.09	190.3	9.86	185.4	9.59	180.4	9.32	170.4	8.35
	50	14.2	197.4	9.11	194.2	8.80	189.6	8.64	184.6	8.45	179.7	8.16	169.8	7.36
		17.8	198.6	9.09	195.2	8.81	190.3	8.66	185.4	8.44	180.4	8.15	170.4	7.35
		35.5	203.3	9.03	198.8	8.85	193.3	8.72	188.4	8.43	183.1	8.13	173.2	7.33
		44.4	204.3	9.15	200.1	8.97	194.6	8.76	189.3	8.46	184.3	8.26	174.2	7.68
		53.3	204.9	9.21	200.8	9.03	195.2	8.77	189.7	8.48	184.9	8.33	174.7	7.86
	59	14.2	197.7	8.21	194.3	7.86	188.8	7.78	183.8	7.65	179.0	7.32	169.1	6.67
		17.8	199.4	8.13	195.8	7.83	190.3	7.76	185.4	7.59	180.4	7.27	170.4	6.61
		35.5	205.9	7.80	201.6	7.69	196.4	7.69	191.4	7.37	185.8	7.04	175.9	6.39
		44.4	206.9	7.99	203.6	7.87	198.8	7.69	193.3	7.37	188.4	7.24	178.0	7.04
		53.3	207.4	8.09	204.6	7.96	200.0	7.69	194.3	7.37	189.7	7.34	179.0	7.37
	68	14.2	205.3	7.53	201.5	7.18	196.2	7.02	190.8	6.80	185.2	6.65	174.2	6.44
		17.8	206.9	7.48	203.1	7.18	197.7	7.02	192.3	6.83	186.9	6.69	175.9	6.39
		35.5	213.4	7.27	209.6	7.15	203.7	7.00	198.3	6.94	193.3	6.87	182.3	6.18
		44.4	214.3	7.27	211.1	7.15	206.2	7.04	200.3	6.94	194.9	6.87	183.9	6.57
		53.3	214.7	7.27	211.9	7.15	207.4	7.06	201.3	6.94	195.6	6.87	184.6	6.77
	77	14.2	216.7	7.18	211.1	6.97	206.2	6.86	202.2	6.74	197.7	6.64	186.4	6.21
		17.8	216.7	7.15	211.1	6.96	206.2	6.83	202.2	6.72	197.7	6.61	186.4	6.18
		35.5	216.7	7.04	211.1	6.92	206.2	6.72	202.2	6.61	197.7	6.50	186.4	6.07
		44.4	216.7	6.94	211.1	6.74	206.2	6.61	202.2	6.50	197.7	6.39	186.4	5.96
		53.3	216.7	6.89	211.1	6.65	206.2	6.56	202.2	6.45	197.7	6.33	186.4	5.91
	86	14.2	216.7	7.00	211.1	6.65	206.2	6.59	202.2	6.42	197.7	6.35	186.4	5.91
		17.8	216.7	6.94	211.1	6.64	206.2	6.55	202.2	6.39	197.7	6.29	186.4	5.85
		35.5	216.7	6.72	211.1	6.59	206.2	6.39	202.2	6.29	197.7	6.07	186.4	5.64
		44.4	216.7	6.61	211.1	6.41	206.2	6.29	202.2	6.18	197.7	6.07	186.4	5.64
		53.3	216.7	6.56	211.1	6.32	206.2	6.24	202.2	6.12	197.7	6.07	186.4	5.64
	95	14.2	216.7	6.67	211.1	6.45	206.2	6.32	202.2	6.09	197.7	5.88	186.4	5.47
		17.8	216.7	6.61	211.1	6.41	206.2	6.29	202.2	6.07	197.7	5.85	186.4	5.42
		35.5	216.7	6.39	211.1	6.27	206.2	6.18	202.2	5.96	197.7	5.74	186.4	5.20
		44.4	216.7	6.39	211.1	6.20	206.2	6.07	202.2	5.85	197.7	5.64	186.4	5.20
		53.3	216.7	6.39	211.1	6.17	206.2	6.01	202.2	5.80	197.7	5.59	186.4	5.20
	104	14.2	216.7	6.44	211.1	6.24	206.2	6.12	202.2	5.91	197.7	5.70	186.4	5.14
		17.8	216.7	6.39	211.1	6.20	206.2	6.07	202.2	5.85	197.7	5.64	186.4	5.09
		35.5	216.7	6.18	211.1	6.04	206.2	5.85	202.2	5.64	197.7	5.42	186.4	4.88
		44.4	216.7	6.07	211.1	5.94	206.2	5.85	202.2	5.64	197.7	5.42	186.4	4.88
		53.3	216.7	6.01	211.1	5.89	206.2	5.85	202.2	5.64	197.7	5.42	186.4	4.88
	113	14.2	216.7	6.23	211.1	6.03	206.2	5.93	202.2	5.72	197.7	5.50	186.4	4.82
		17.8	216.7	6.18	211.1	5.99	206.2	5.85	202.2	5.64	197.7	5.42	186.4	4.76
		35.5	216.7	5.96	211.1	5.83	206.2	5.53	202.2	5.31	197.7	5.09	186.4	4.55
		44.4	216.7	5.74	211.1	5.68	206.2	5.64	202.2	5.42	197.7	5.20	186.4	4.55
		53.3	216.7	5.63	211.1	5.61	206.2	5.70	202.2	5.47	197.7	5.26	186.4	4.55

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM144BAS5

144,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	14.2	72.8	6.81	72.3	6.41	71.8	5.97	71.0	5.72	71.5	5.55	69.6	4.97
		17.8	75.3	6.93	74.7	6.54	74.3	6.10	73.4	5.84	74.0	5.67	72.0	5.08
		35.5	85.3	7.40	84.5	7.03	84.1	6.61	83.0	6.33	83.8	6.16	81.5	5.52
		44.4	94.2	7.87	93.4	7.51	92.8	7.13	91.8	6.84	92.5	6.64	90.0	5.94
		53.3	98.7	8.11	97.9	7.75	97.2	7.39	96.2	7.09	96.9	6.88	94.2	6.16
	32	14.2	130.2	9.31	127.0	9.04	124.3	8.74	121.8	8.37	121.8	8.14	116.2	7.28
		17.8	131.0	9.34	127.8	9.06	125.1	8.77	122.5	8.40	122.5	8.16	116.9	7.30
		35.5	134.0	9.44	130.8	9.15	128.1	8.87	125.4	8.50	125.4	8.25	119.8	7.39
		44.4	136.1	9.44	132.9	9.15	130.1	8.87	127.3	8.50	127.2	8.25	121.6	7.39
		53.3	137.1	9.44	134.0	9.15	131.0	8.87	128.3	8.50	128.1	8.25	122.5	7.39
	41	14.2	187.7	10.01	184.9	9.76	180.8	9.52	176.5	9.11	170.9	8.86	161.5	7.93
		17.8	188.4	10.06	185.2	9.81	180.8	9.56	176.5	9.16	170.9	8.90	161.5	7.97
		35.5	191.1	10.24	186.6	9.99	180.8	9.75	176.5	9.35	170.9	9.08	161.5	8.13
		44.4	192.1	10.30	186.5	10.06	180.8	9.82	176.5	9.42	170.9	9.15	161.5	8.18
		53.3	192.7	10.34	185.0	10.09	180.8	9.86	176.5	9.45	170.9	9.18	161.5	8.21
	50	14.2	188.4	8.99	184.9	8.74	180.3	8.57	176.0	8.31	170.4	8.03	161.1	7.22
		17.8	189.3	9.03	185.7	8.78	180.8	8.60	176.5	8.32	170.9	8.03	161.5	7.23
		35.5	192.7	9.15	188.7	8.91	182.8	8.72	178.4	8.36	172.7	8.01	163.2	7.27
		44.4	193.8	9.12	188.1	8.91	183.5	8.76	179.2	8.40	173.5	8.04	164.0	7.51
		53.3	194.3	9.10	187.8	8.91	183.9	8.77	179.6	8.41	173.8	8.06	164.3	7.64
	59	14.2	188.9	7.98	185.1	7.74	179.8	7.62	175.5	7.51	170.0	7.21	160.7	6.53
		17.8	190.0	7.99	186.3	7.76	180.8	7.64	176.5	7.48	170.9	7.15	161.5	6.50
		35.5	194.4	8.06	190.8	7.83	184.9	7.69	180.4	7.37	174.4	6.94	165.0	6.39
		44.4	195.5	7.94	190.6	7.76	186.4	7.69	181.9	7.37	175.9	6.94	166.5	6.83
		53.3	196.0	7.88	190.6	7.72	187.2	7.69	182.7	7.37	176.6	6.94	167.3	7.05
	68	14.2	194.2	7.18	190.5	6.87	184.8	6.69	179.7	6.59	173.9	6.51	164.5	6.18
		17.8	195.5	7.18	191.7	6.90	185.8	6.72	180.8	6.61	175.0	6.50	165.5	6.16
		35.5	200.4	7.18	196.2	7.00	189.9	6.83	185.4	6.72	179.3	6.48	169.4	6.07
		44.4	201.3	7.11	196.1	6.94	191.4	6.83	186.4	6.72	180.4	6.50	170.4	6.29
		53.3	201.8	7.07	196.0	6.91	192.1	6.83	186.9	6.72	180.9	6.51	171.0	6.40
	77	14.2	203.6	6.79	197.7	6.47	191.4	6.35	187.3	6.21	182.3	6.09	172.4	5.67
		17.8	203.7	6.76	197.7	6.46	191.4	6.33	187.3	6.18	182.3	6.07	172.4	5.64
		35.5	204.2	6.66	197.7	6.41	191.4	6.29	187.3	6.07	182.3	5.96	172.4	5.53
		44.4	204.8	6.41	197.7	6.24	191.4	6.18	187.3	6.07	182.3	5.85	172.4	5.53
		53.3	205.1	6.29	197.7	6.16	191.4	6.12	187.3	6.07	182.3	5.80	172.4	5.53
	86	14.2	204.8	6.49	197.7	6.17	191.4	5.99	187.3	5.77	182.3	5.70	172.4	5.23
		17.8	204.8	6.44	197.7	6.13	191.4	5.96	187.3	5.74	182.3	5.64	172.4	5.20
		35.5	204.8	6.22	197.7	5.99	191.4	5.85	187.3	5.64	182.3	5.42	172.4	5.09
		44.4	204.8	6.02	197.7	5.85	191.4	5.74	187.3	5.64	182.3	5.42	172.4	4.99
		53.3	204.8	5.92	197.7	5.78	191.4	5.68	187.3	5.64	182.3	5.42	172.4	4.94
	95	14.2	204.8	6.20	197.7	5.86	191.4	5.70	187.3	5.47	182.3	5.26	172.4	4.79
		17.8	204.8	6.11	197.7	5.81	191.4	5.64	187.3	5.42	182.3	5.20	172.4	4.76
		35.5	204.8	5.76	197.7	5.59	191.4	5.42	187.3	5.20	182.3	4.99	172.4	4.66
		44.4	204.8	5.70	197.7	5.55	191.4	5.42	187.3	5.20	182.3	4.99	172.4	4.55
		53.3	204.8	5.66	197.7	5.53	191.4	5.42	187.3	5.20	182.3	4.99	172.4	4.50
	104	14.2	204.8	6.01	197.7	5.59	191.4	5.37	187.3	5.14	182.3	4.93	172.4	4.47
		17.8	204.8	5.90	197.7	5.53	191.4	5.31	187.3	5.09	182.3	4.88	172.4	4.44
		35.5	204.8	5.44	197.7	5.27	191.4	5.09	187.3	4.88	182.3	4.66	172.4	4.34
		44.4	204.8	5.37	197.7	5.20	191.4	5.09	187.3	4.88	182.3	4.66	172.4	4.23
		53.3	204.8	5.34	197.7	5.17	191.4	5.09	187.3	4.88	182.3	4.66	172.4	4.17
	113	14.2	204.8	5.83	197.7	5.32	191.4	5.05	187.3	4.82	182.3	4.61	172.4	4.14
		17.8	204.8	5.68	197.7	5.25	191.4	4.99	187.3	4.76	182.3	4.55	172.4	4.11
		35.5	204.8	5.11	197.7	4.94	191.4	4.76	187.3	4.55	182.3	4.34	172.4	4.01
		44.4	204.8	5.05	197.7	4.85	191.4	4.76	187.3	4.55	182.3	4.34	172.4	3.90
		53.3	204.8	5.01	197.7	4.81	191.4	4.76	187.3	4.55	182.3	4.34	172.4	3.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	14.2	68.9	6.90	68.5	6.41	68.0	5.97	67.3	5.72	67.5	5.55	66.0	4.97
		17.8	71.3	7.02	70.8	6.54	70.4	6.10	69.6	5.84	69.8	5.67	68.3	5.08
		35.5	80.6	7.49	80.2	7.03	79.7	6.61	78.8	6.33	78.8	6.16	77.3	5.52
		44.4	89.1	7.97	88.5	7.51	88.0	7.13	87.1	6.84	87.1	6.64	85.3	5.94
	32	53.3	93.3	8.21	92.6	7.75	92.2	7.39	91.3	7.09	91.3	6.88	89.3	6.16
		14.2	123.2	9.44	120.4	9.04	117.9	8.74	115.7	8.37	114.6	8.14	110.3	7.28
		17.8	123.9	9.46	121.2	9.06	118.6	8.77	116.3	8.40	115.3	8.16	110.9	7.30
		35.5	126.7	9.55	124.0	9.15	121.3	8.87	119.1	8.50	118.0	8.25	113.5	7.39
	41	44.4	128.7	9.55	126.0	9.15	123.3	8.87	120.9	8.50	119.8	8.25	115.1	7.39
		53.3	129.7	9.55	127.0	9.15	124.3	8.87	121.8	8.50	120.7	8.25	116.0	7.39
110	50	14.2	179.6	10.15	175.4	9.76	171.3	9.52	167.4	9.11	160.9	8.86	153.1	7.93
		17.8	180.2	10.19	175.7	9.81	171.3	9.56	167.4	9.16	160.9	8.90	153.1	7.97
		35.5	182.6	10.37	177.1	9.99	171.5	9.75	167.4	9.35	160.9	9.08	153.1	8.13
		44.4	183.7	10.44	177.5	10.06	171.5	9.82	167.4	9.42	160.9	9.15	153.1	8.18
	59	53.3	184.2	10.47	177.7	10.09	171.5	9.86	167.4	9.45	160.9	9.18	153.1	8.21
		14.2	180.3	9.10	175.9	8.79	171.1	8.60	167.2	8.31	160.7	8.03	152.9	7.22
		17.8	181.0	9.12	176.3	8.81	171.3	8.62	167.4	8.32	160.9	8.03	153.1	7.23
		35.5	183.7	9.18	178.1	8.91	172.4	8.72	168.5	8.36	162.0	8.01	153.9	7.27
	68	44.4	184.8	9.18	178.9	8.91	173.0	8.70	168.8	8.34	162.3	8.04	154.3	7.34
		53.3	185.3	9.18	179.3	8.91	173.3	8.69	168.9	8.33	162.5	8.06	154.5	7.38
110	77	14.2	180.8	8.05	176.1	7.83	171.0	7.69	166.9	7.51	160.4	7.21	152.7	6.53
		17.8	181.6	8.04	176.8	7.83	171.5	7.69	167.4	7.48	160.9	7.15	153.1	6.50
		35.5	184.6	7.99	179.3	7.83	173.5	7.69	169.4	7.37	163.1	6.94	154.6	6.39
		44.4	185.7	7.94	180.2	7.76	174.4	7.59	170.0	7.27	163.5	6.94	155.5	6.50
	86	53.3	186.2	7.91	180.7	7.72	174.8	7.54	170.3	7.21	163.7	6.94	156.0	6.56
		14.2	184.2	6.95	179.2	6.78	173.4	6.61	168.7	6.50	162.6	6.32	154.0	5.91
		17.8	185.2	6.96	179.8	6.78	173.9	6.61	169.4	6.50	163.1	6.29	154.6	5.90
		35.5	189.1	7.02	182.2	6.78	175.9	6.61	171.9	6.50	165.0	6.18	157.0	5.85
	95	44.4	190.2	7.02	183.7	6.78	176.9	6.61	172.4	6.39	165.9	6.18	157.5	5.85
		53.3	190.7	7.02	184.5	6.78	177.5	6.61	172.6	6.33	166.4	6.18	157.7	5.85
110	104	14.2	190.0	6.32	184.3	6.09	176.9	5.99	173.0	5.77	167.0	5.56	158.1	5.09
		17.8	190.3	6.31	184.3	6.07	176.9	5.96	173.0	5.74	167.0	5.53	158.1	5.09
		35.5	191.8	6.27	184.3	5.96	176.9	5.85	173.0	5.64	167.0	5.42	158.1	5.09
		44.4	192.7	6.27	184.3	5.99	176.9	5.74	173.0	5.64	167.0	5.31	158.1	4.99
	113	53.3	193.2	6.27	184.3	6.00	176.9	5.68	173.0	5.64	167.0	5.26	158.1	4.94
		14.2	192.7	5.77	184.3	5.56	176.9	5.34	173.0	5.23	167.0	4.91	158.1	4.58
		17.8	192.7	5.74	184.3	5.53	176.9	5.31	173.0	5.20	167.0	4.88	158.1	4.55
		35.5	192.7	5.64	184.3	5.42	176.9	5.20	173.0	5.09	167.0	4.76	158.1	4.44
	104	44.4	192.7	5.59	184.3	5.31	176.9	5.09	173.0	4.99	167.0	4.76	158.1	4.44
		53.3	192.7	5.57	184.3	5.26	176.9	5.03	173.0	4.94	167.0	4.76	158.1	4.44
110	104	14.2	192.7	5.47	184.3	5.12	176.9	4.91	173.0	4.69	167.0	4.47	158.1	4.14
		17.8	192.7	5.42	184.3	5.09	176.9	4.88	173.0	4.66	167.0	4.44	158.1	4.11
		35.5	192.7	5.20	184.3	4.99	176.9	4.76	173.0	4.55	167.0	4.34	158.1	4.01
		44.4	192.7	5.07	184.3	4.88	176.9	4.66	173.0	4.55	167.0	4.34	158.1	4.01
	113	53.3	192.7	5.00	184.3	4.82	176.9	4.61	173.0	4.55	167.0	4.34	158.1	4.01
		14.2	192.7	5.14	184.3	4.93	176.9	4.61	173.0	4.37	167.0	4.14	158.1	3.82
		17.8	192.7	5.09	184.3	4.88	176.9	4.55	173.0	4.34	167.0	4.11	158.1	3.79
		35.5	192.7	4.88	184.3	4.66	176.9	4.34	173.0	4.23	167.0	4.01	158.1	3.69
	113	44.4	192.7	4.81	184.3	4.55	176.9	4.34	173.0	4.11	167.0	3.90	158.1	3.58
		53.3	192.7	4.78	184.3	4.50	176.9	4.34	173.0	4.06	167.0	3.85	158.1	3.52
110	113	14.2	192.7	4.82	184.3	4.75	176.9	4.31	173.0	4.04	167.0	3.82	158.1	3.49
		17.8	192.7	4.76	184.3	4.66	176.9	4.23	173.0	4.01	167.0	3.79	158.1	3.46
		35.5	192.7	4.55	184.3	4.34	176.9	3.90	173.0	3.90	167.0	3.69	158.1	3.36
		44.4	192.7	4.55	184.3	4.23	176.9	4.01	173.0	3.69	167.0	3.46	158.1	3.14
	113	53.3	192.7	4.55	184.3	4.17	176.9	4.07	173.0	3.58	167.0	3.35	158.1	3.03

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM144BAS5

144,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	14.2	65.1	6.90	64.7	6.50	64.4	5.97	63.8	5.72	63.2	5.46	62.0	4.97
		17.8	67.4	7.02	66.9	6.63	66.6	6.10	66.0	5.84	65.4	5.58	64.2	5.08
		35.5	76.3	7.49	75.8	7.12	75.3	6.61	74.6	6.33	74.0	6.07	72.8	5.52
		44.4	84.2	7.97	83.6	7.61	83.2	7.13	82.4	6.84	81.8	6.54	80.3	5.94
		53.3	88.3	8.21	87.6	7.86	87.1	7.39	86.4	7.09	85.8	6.77	84.1	6.16
	32	14.2	116.4	9.44	113.8	9.16	111.5	8.74	109.5	8.37	107.6	8.02	103.8	7.28
		17.8	117.1	9.46	114.5	9.18	112.1	8.77	110.2	8.40	108.2	8.04	104.4	7.30
		35.5	119.8	9.55	117.2	9.27	114.7	8.87	112.7	8.50	110.8	8.13	106.8	7.39
		44.4	121.6	9.55	119.1	9.27	116.5	8.87	114.4	8.50	112.4	8.13	108.5	7.39
		53.3	122.5	9.55	120.0	9.27	117.4	8.87	115.2	8.50	113.3	8.13	109.3	7.39
	41	14.2	171.8	10.15	166.1	9.90	161.8	9.52	158.5	9.11	151.0	8.72	144.1	7.93
		17.8	172.4	10.19	166.4	9.94	161.8	9.56	158.5	9.16	151.0	8.77	144.1	7.97
		35.5	174.8	10.37	167.6	10.12	162.0	9.75	158.5	9.35	151.0	8.95	144.1	8.13
		44.4	175.9	10.44	168.0	10.19	162.0	9.82	158.5	9.42	151.0	9.00	144.1	8.18
		53.3	176.4	10.47	168.3	10.23	162.0	9.86	158.5	9.45	151.0	9.03	144.1	8.21
	50	14.2	172.7	9.07	166.6	8.87	162.0	8.60	158.5	8.31	151.0	7.90	144.1	7.22
		17.8	173.2	9.12	166.8	8.90	162.0	8.62	158.5	8.32	151.0	7.90	144.1	7.23
		35.5	174.8	9.28	167.7	9.01	162.0	8.72	158.5	8.36	151.0	7.94	144.1	7.27
		44.4	176.0	9.25	168.5	9.01	162.0	8.70	158.5	8.34	151.0	7.92	144.1	7.23
		53.3	176.6	9.23	168.9	9.01	162.0	8.69	158.5	8.33	151.0	7.90	144.1	7.21
	59	14.2	173.7	8.00	167.3	7.86	162.0	7.69	158.5	7.51	151.0	7.07	144.1	6.53
		17.8	173.9	8.04	167.4	7.87	162.0	7.69	158.5	7.48	151.0	7.04	144.1	6.50
		35.5	174.8	8.20	167.9	7.89	162.0	7.69	158.5	7.37	151.0	6.94	144.1	6.39
		44.4	176.3	8.06	168.8	7.83	162.0	7.59	158.5	7.27	151.0	6.83	144.1	6.29
		53.3	177.1	7.99	169.2	7.79	162.0	7.54	158.5	7.21	151.0	6.77	144.1	6.24
	68	14.2	174.6	6.84	168.2	6.67	162.0	6.50	158.5	6.42	151.0	5.99	144.1	5.70
		17.8	175.3	6.87	168.3	6.67	162.0	6.50	158.5	6.39	151.0	5.96	144.1	5.64
		35.5	177.8	7.00	168.8	6.69	162.0	6.50	158.5	6.29	151.0	5.85	144.1	5.42
		44.4	178.9	6.87	170.3	6.64	162.0	6.39	158.5	6.18	151.0	5.74	144.1	5.31
		53.3	179.4	6.81	171.0	6.61	162.0	6.33	158.5	6.12	151.0	5.68	144.1	5.26
	77	14.2	176.7	5.98	170.9	5.79	162.0	5.56	158.5	5.34	151.0	5.02	144.1	4.55
		17.8	177.4	5.99	170.9	5.76	162.0	5.53	158.5	5.31	151.0	4.99	144.1	4.55
		35.5	179.9	6.01	170.9	5.64	162.0	5.42	158.5	5.20	151.0	4.88	144.1	4.55
		44.4	180.8	5.87	170.9	5.59	162.0	5.31	158.5	5.09	151.0	4.88	144.1	4.44
		53.3	181.3	5.81	170.9	5.57	162.0	5.26	158.5	5.03	151.0	4.88	144.1	4.38
	86	14.2	180.8	5.44	170.9	5.02	162.0	4.68	158.5	4.58	151.0	4.23	144.1	4.04
		17.8	180.8	5.42	170.9	4.99	162.0	4.66	158.5	4.55	151.0	4.23	144.1	4.01
		35.5	180.8	5.31	170.9	4.88	162.0	4.62	158.5	4.44	151.0	4.23	144.1	3.90
		44.4	180.8	5.20	170.9	4.88	162.0	4.55	158.5	4.44	151.0	4.11	144.1	3.90
		53.3	180.8	5.15	170.9	4.88	162.0	4.52	158.5	4.44	151.0	4.06	144.1	3.90
	95	14.2	180.8	5.05	170.9	4.61	162.0	4.13	158.5	4.04	151.0	3.82	144.1	3.49
		17.8	180.8	4.99	170.9	4.55	162.0	4.11	158.5	4.01	151.0	3.79	144.1	3.46
		35.5	180.8	4.76	170.9	4.34	162.0	4.07	158.5	3.90	151.0	3.69	144.1	3.36
		44.4	180.8	4.76	170.9	4.34	162.0	4.01	158.5	3.90	151.0	3.69	144.1	3.36
		53.3	180.8	4.76	170.9	4.34	162.0	3.99	158.5	3.90	151.0	3.69	144.1	3.36
	104	14.2	180.8	4.72	170.9	4.28	162.0	3.70	158.5	3.60	151.0	3.39	144.1	3.16
		17.8	180.8	4.66	170.9	4.23	162.0	3.69	158.5	3.58	151.0	3.36	144.1	3.14
		35.5	180.8	4.44	170.9	4.01	162.0	3.64	158.5	3.46	151.0	3.25	144.1	3.04
		44.4	180.8	4.34	170.9	4.01	162.0	3.58	158.5	3.46	151.0	3.25	144.1	3.04
		53.3	180.8	4.29	170.9	4.01	162.0	3.54	158.5	3.46	151.0	3.25	144.1	3.04
	113	14.2	180.8	4.40	170.9	3.96	162.0	3.26	158.5	3.16	151.0	2.95	144.1	2.84
		17.8	180.8	4.34	170.9	3.90	162.0	3.25	158.5	3.14	151.0	2.93	144.1	2.81
		35.5	180.8	4.11	170.9	3.69	162.0	3.21	158.5	3.04	151.0	2.81	144.1	2.71
		44.4	180.8	3.90	170.9	3.69	162.0	3.14	158.5	3.04	151.0	2.81	144.1	2.71
		53.3	180.8	3.79	170.9	3.69	162.0	3.11	158.5	3.04	151.0	2.81	144.1	2.71

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCK000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	14.2	61.5	6.40	59.6	5.83	57.8	5.12	57.4	4.88	56.9	4.71	56.0	4.22
		17.8	63.6	6.51	61.6	5.94	59.8	5.24	59.4	4.99	58.9	4.81	57.9	4.32
		35.5	72.0	6.95	69.8	6.38	67.7	5.68	67.2	5.42	66.8	5.22	65.4	4.69
		44.4	79.6	7.39	77.0	6.83	74.7	6.13	74.1	5.84	73.7	5.63	72.3	5.06
		53.3	83.4	7.61	80.7	7.05	78.3	6.36	77.6	6.06	77.2	5.83	75.8	5.24
	32	14.2	110.0	8.72	104.9	8.18	100.1	7.51	98.6	7.17	96.9	6.90	93.3	6.19
		17.8	110.6	8.75	105.5	8.21	100.7	7.53	99.2	7.19	97.5	6.92	93.9	6.21
		35.5	113.2	8.83	107.9	8.30	103.1	7.61	101.4	7.27	99.8	7.00	96.1	6.28
		44.4	114.8	8.83	109.6	8.30	104.7	7.61	102.9	7.27	101.4	7.00	97.7	6.28
		53.3	115.7	8.83	110.4	8.30	105.6	7.61	103.7	7.27	102.3	7.00	98.4	6.28
	41	14.2	155.4	9.36	150.4	8.84	145.6	8.18	142.6	7.80	136.2	7.51	129.8	6.74
		17.8	155.5	9.41	150.2	8.88	145.6	8.22	142.6	7.84	136.2	7.55	129.8	6.77
		35.5	156.1	9.57	149.8	9.05	145.6	8.38	142.6	7.99	136.2	7.70	129.8	6.91
		44.4	157.0	9.63	150.2	9.10	145.6	8.44	142.6	8.05	136.2	7.76	129.8	6.96
		53.3	157.5	9.66	150.5	9.13	145.6	8.48	142.6	8.08	136.2	7.79	129.8	6.99
	50	14.2	156.2	8.27	150.9	7.86	145.6	7.40	142.6	7.10	136.2	6.81	129.8	6.14
		17.8	156.1	8.27	150.7	7.87	145.6	7.41	142.6	7.11	136.2	6.81	129.8	6.14
		35.5	155.8	8.30	149.9	7.90	145.6	7.44	142.6	7.14	136.2	6.78	129.8	6.17
		44.4	156.9	8.27	150.4	7.88	145.6	7.42	142.6	7.12	136.2	6.81	129.8	6.19
		53.3	157.4	8.26	150.6	7.87	145.6	7.41	142.6	7.11	136.2	6.82	129.8	6.20
	59	14.2	157.0	7.16	151.4	6.90	145.6	6.64	142.6	6.42	136.2	6.12	129.8	5.56
		17.8	156.7	7.13	151.1	6.87	145.6	6.61	142.6	6.39	136.2	6.07	129.8	5.53
		35.5	155.7	7.02	150.1	6.76	145.6	6.50	142.6	6.29	136.2	5.85	129.8	5.42
		44.4	156.7	6.92	150.5	6.66	145.6	6.39	142.6	6.18	136.2	5.85	129.8	5.42
		53.3	157.3	6.87	150.8	6.61	145.6	6.33	142.6	6.12	136.2	5.85	129.8	5.42
	68	14.2	157.9	6.04	152.1	5.87	145.6	5.67	142.6	5.44	136.2	5.26	129.8	4.93
		17.8	157.8	6.04	151.8	5.85	145.6	5.64	142.6	5.42	136.2	5.20	129.8	4.88
		35.5	157.2	6.04	150.5	5.79	145.6	5.53	142.6	5.31	136.2	4.99	129.8	4.66
		44.4	157.6	5.94	151.0	5.74	145.6	5.53	142.6	5.31	136.2	4.99	129.8	4.66
		53.3	157.9	5.89	151.2	5.72	145.6	5.53	142.6	5.31	136.2	4.99	129.8	4.66
	77	14.2	160.6	5.28	154.0	5.00	145.6	4.79	142.6	4.55	136.2	4.37	129.8	4.04
		17.8	160.9	5.27	154.0	4.99	145.6	4.76	142.6	4.55	136.2	4.34	129.8	4.01
		35.5	162.5	5.22	154.0	4.94	145.6	4.66	142.6	4.55	136.2	4.23	129.8	3.90
		44.4	163.1	5.09	154.0	4.83	145.6	4.66	142.6	4.44	136.2	4.23	129.8	3.90
		53.3	163.4	5.02	154.0	4.78	145.6	4.66	142.6	4.38	136.2	4.23	129.8	3.90
	86	14.2	163.1	4.79	154.0	4.47	145.6	4.14	142.6	4.04	136.2	3.82	129.8	3.46
		17.8	163.1	4.76	154.0	4.44	145.6	4.11	142.6	4.01	136.2	3.79	129.8	3.46
		35.5	163.1	4.66	154.0	4.34	145.6	4.01	142.6	3.90	136.2	3.69	129.8	3.46
		44.4	163.1	4.55	154.0	4.23	145.6	4.01	142.6	3.90	136.2	3.69	129.8	3.36
		53.3	163.1	4.50	154.0	4.17	145.6	4.01	142.6	3.90	136.2	3.69	129.8	3.31
	95	14.2	163.1	4.37	154.0	4.04	145.6	3.72	142.6	3.60	136.2	3.39	129.8	3.16
		17.8	163.1	4.34	154.0	4.01	145.6	3.69	142.6	3.58	136.2	3.36	129.8	3.14
		35.5	163.1	4.23	154.0	3.90	145.6	3.58	142.6	3.46	136.2	3.25	129.8	3.04
		44.4	163.1	4.11	154.0	3.79	145.6	3.46	142.6	3.36	136.2	3.25	129.8	3.04
		53.3	163.1	4.06	154.0	3.73	145.6	3.41	142.6	3.31	136.2	3.25	129.8	3.04
	104	14.2	163.1	4.07	154.0	3.72	145.6	3.28	142.6	3.16	136.2	3.07	129.8	2.84
		17.8	163.1	4.01	154.0	3.69	145.6	3.25	142.6	3.14	136.2	3.04	129.8	2.81
		35.5	163.1	3.79	154.0	3.58	145.6	3.14	142.6	3.04	136.2	2.93	129.8	2.71
		44.4	163.1	3.79	154.0	3.58	145.6	3.14	142.6	3.04	136.2	2.93	129.8	2.71
		53.3	163.1	3.79	154.0	3.58	145.6	3.14	142.6	3.04	136.2	2.93	129.8	2.71
	113	14.2	163.1	3.77	154.0	3.39	145.6	2.84	142.6	2.74	136.2	2.74	129.8	2.51
		17.8	163.1	3.69	154.0	3.36	145.6	2.81	142.6	2.71	136.2	2.71	129.8	2.49
		35.5	163.1	3.36	154.0	3.25	145.6	2.71	142.6	2.60	136.2	2.60	129.8	2.39
		44.4	163.1	3.46	154.0	3.36	145.6	2.81	142.6	2.71	136.2	2.60	129.8	2.39
		53.3	163.1	3.52	154.0	3.42	145.6	2.86	142.6	2.77	136.2	2.60	129.8	2.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM144BAS5

144,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	14.2	58.1	4.56	54.5	4.39	51.6	4.20	51.0	4.06	50.7	3.87	49.7	3.57
		17.8	60.1	4.66	56.4	4.48	53.3	4.29	52.7	4.15	52.4	3.96	51.4	3.64
		35.5	68.0	5.07	63.7	4.87	60.3	4.65	59.7	4.50	59.4	4.29	58.2	3.95
		44.4	75.2	5.46	70.4	5.25	66.6	5.02	65.9	4.85	65.6	4.63	64.2	4.26
		53.3	78.8	5.66	73.7	5.44	69.8	5.21	69.0	5.04	68.7	4.80	67.2	4.42
	32	14.2	103.8	6.70	95.7	6.43	89.1	6.16	87.5	5.95	86.3	5.67	83.0	5.22
		17.8	104.4	6.72	96.3	6.45	89.7	6.18	88.0	5.96	86.8	5.68	83.5	5.24
		35.5	107.0	6.79	98.6	6.53	91.8	6.24	90.1	6.03	88.9	5.75	85.4	5.29
		44.4	108.5	6.79	100.1	6.53	93.3	6.24	91.5	6.03	90.3	5.75	86.8	5.29
		53.3	109.3	6.79	100.8	6.53	94.0	6.24	92.2	6.03	91.0	5.75	87.5	5.29
	41	14.2	143.6	7.28	135.5	7.01	129.6	6.69	126.7	6.47	121.3	6.17	115.3	5.68
		17.8	143.9	7.32	135.8	7.04	129.6	6.73	126.7	6.50	121.3	6.20	115.3	5.71
		35.5	145.1	7.48	136.8	7.18	129.8	6.87	126.7	6.64	121.3	6.32	115.3	5.83
		44.4	145.1	7.52	136.7	7.23	129.8	6.92	126.7	6.68	121.3	6.37	115.3	5.86
		53.3	145.1	7.55	136.6	7.26	129.8	6.94	126.7	6.70	121.3	6.39	115.3	5.88
	50	14.2	144.4	6.70	136.1	6.40	129.6	6.07	126.7	5.91	121.3	5.59	115.3	5.18
		17.8	144.5	6.69	136.2	6.39	129.6	6.08	126.7	5.91	121.3	5.59	115.3	5.18
		35.5	145.1	6.66	136.8	6.36	129.8	6.09	126.7	5.92	121.3	5.61	115.3	5.19
		44.4	145.1	6.64	136.7	6.38	129.8	6.11	126.7	5.89	121.3	5.57	115.3	5.16
		53.3	145.1	6.63	136.6	6.39	129.8	6.12	126.7	5.87	121.3	5.56	115.3	5.14
	59	14.2	145.1	6.12	136.7	5.79	129.8	5.44	126.7	5.34	121.3	5.02	115.3	4.69
		17.8	145.1	6.07	136.7	5.74	129.8	5.42	126.7	5.31	121.3	4.99	115.3	4.66
		35.5	145.1	5.85	136.7	5.53	129.8	5.31	126.7	5.20	121.3	4.88	115.3	4.55
		44.4	145.1	5.74	136.7	5.53	129.8	5.31	126.7	5.09	121.3	4.76	115.3	4.44
		53.3	145.1	5.68	136.7	5.53	129.8	5.31	126.7	5.03	121.3	4.71	115.3	4.38
	68	14.2	145.1	5.12	136.7	4.91	129.8	4.66	126.7	4.58	121.3	4.37	115.3	4.04
		17.8	145.1	5.09	136.7	4.88	129.8	4.66	126.7	4.55	121.3	4.34	115.3	4.01
		35.5	145.1	4.99	136.7	4.76	129.8	4.66	126.7	4.44	121.3	4.23	115.3	3.90
		44.4	145.1	4.88	136.7	4.66	129.8	4.55	126.7	4.44	121.3	4.11	115.3	3.90
		53.3	145.1	4.82	136.7	4.61	129.8	4.50	126.7	4.44	121.3	4.06	115.3	3.90
	77	14.2	145.1	4.58	136.7	4.26	129.8	4.01	126.7	3.93	121.3	3.72	115.3	3.49
		17.8	145.1	4.55	136.7	4.23	129.8	4.01	126.7	3.90	121.3	3.69	115.3	3.46
		35.5	145.1	4.44	136.7	4.11	129.8	4.01	126.7	3.79	121.3	3.58	115.3	3.36
		44.4	145.1	4.34	136.7	4.11	129.8	3.90	126.7	3.79	121.3	3.58	115.3	3.36
		53.3	145.1	4.29	136.7	4.11	129.8	3.85	126.7	3.79	121.3	3.58	115.3	3.36
	86	14.2	145.1	4.04	136.7	3.82	129.8	3.60	126.7	3.49	121.3	3.28	115.3	3.07
		17.8	145.1	4.01	136.7	3.79	129.8	3.58	126.7	3.46	121.3	3.25	115.3	3.04
		35.5	145.1	3.90	136.7	3.69	129.8	3.46	126.7	3.36	121.3	3.14	115.3	2.93
		44.4	145.1	3.90	136.7	3.69	129.8	3.46	126.7	3.36	121.3	3.14	115.3	2.93
		53.3	145.1	3.90	136.7	3.69	129.8	3.46	126.7	3.36	121.3	3.14	115.3	2.93
	95	14.2	145.1	3.72	136.7	3.49	129.8	3.16	126.7	3.04	121.3	2.95	115.3	2.71
		17.8	145.1	3.69	136.7	3.46	129.8	3.14	126.7	3.04	121.3	2.93	115.3	2.71
		35.5	145.1	3.58	136.7	3.36	129.8	3.04	126.7	3.04	121.3	2.81	115.3	2.71
		44.4	145.1	3.58	136.7	3.25	129.8	3.04	126.7	2.93	121.3	2.81	115.3	2.60
		53.3	145.1	3.58	136.7	3.19	129.8	3.04	126.7	2.87	121.3	2.81	115.3	2.54
	104	14.2	145.1	3.52	136.7	3.16	129.8	2.81	126.7	2.84	121.3	2.60	115.3	2.51
		17.8	145.1	3.46	136.7	3.14	129.8	2.81	126.7	2.81	121.3	2.60	115.3	2.49
		35.5	145.1	3.25	136.7	3.04	129.8	2.81	126.7	2.71	121.3	2.60	115.3	2.39
		44.4	145.1	3.25	136.7	3.04	129.8	2.71	126.7	2.71	121.3	2.60	115.3	2.39
		53.3	145.1	3.25	136.7	3.04	129.8	2.66	126.7	2.71	121.3	2.60	115.3	2.39
	113	14.2	145.1	3.33	136.7	2.84	129.8	2.46	126.7	2.65	121.3	2.25	115.3	2.33
		17.8	145.1	3.25	136.7	2.81	129.8	2.49	126.7	2.60	121.3	2.28	115.3	2.28
		35.5	145.1	2.93	136.7	2.71	129.8	2.60	126.7	2.39	121.3	2.39	115.3	2.06
		44.4	145.1	2.93	136.7	2.81	129.8	2.39	126.7	2.49	121.3	2.39	115.3	2.16
		53.3	145.1	2.93	136.7	2.86	129.8	2.28	126.7	2.54	121.3	2.39	115.3	2.21

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	14.2	50.7	3.92	47.6	3.73	45.0	3.61	44.6	3.40	44.3	3.28	43.6	2.98
		17.8	52.4	4.00	49.3	3.81	46.6	3.69	46.1	3.48	45.8	3.35	45.1	3.05
		35.5	59.4	4.34	55.8	4.14	52.6	4.00	52.1	3.77	51.8	3.63	50.9	3.31
		44.4	65.7	4.69	61.6	4.46	58.2	4.32	57.7	4.06	57.3	3.92	56.2	3.57
		53.3	68.9	4.86	64.6	4.63	61.0	4.47	60.5	4.21	60.0	4.07	58.9	3.70
	32	14.2	90.8	5.73	83.9	5.47	77.9	5.29	76.5	4.98	75.3	4.81	72.7	4.37
		17.8	91.3	5.75	84.4	5.48	78.4	5.30	77.0	4.99	75.8	4.82	73.1	4.38
		35.5	93.4	5.82	86.3	5.54	80.2	5.37	78.8	5.05	77.6	4.88	74.7	4.43
		44.4	94.8	5.82	87.7	5.54	81.4	5.37	80.0	5.05	78.8	4.88	76.0	4.43
		53.3	95.5	5.82	88.4	5.54	82.0	5.37	80.6	5.05	79.4	4.88	76.6	4.43
	41	14.2	125.4	6.25	118.8	5.94	113.1	5.75	110.8	5.42	105.8	5.23	100.8	4.75
		17.8	125.7	6.28	119.1	5.98	113.2	5.79	110.8	5.45	105.8	5.26	100.8	4.78
		35.5	126.7	6.40	120.0	6.10	113.3	5.91	110.8	5.55	105.8	5.37	100.8	4.88
		44.4	126.7	6.45	119.8	6.14	113.3	5.95	110.8	5.59	105.8	5.40	100.8	4.91
		53.3	126.7	6.47	119.7	6.17	113.3	5.98	110.8	5.62	105.8	5.42	100.8	4.93
	50	14.2	126.0	5.75	119.2	5.44	113.3	5.24	110.8	4.94	105.8	4.74	100.8	4.34
		17.8	126.1	5.74	119.4	5.43	113.3	5.22	110.8	4.94	105.8	4.74	100.8	4.34
		35.5	126.7	5.70	119.8	5.38	113.3	5.18	110.8	4.94	105.8	4.74	100.8	4.34
		44.4	126.7	5.72	119.8	5.40	113.3	5.20	110.8	4.97	105.8	4.71	100.8	4.35
		53.3	126.7	5.73	119.8	5.42	113.3	5.21	110.8	4.98	105.8	4.69	100.8	4.36
	59	14.2	126.7	5.26	119.8	4.93	113.3	4.72	110.8	4.47	105.8	4.26	100.8	3.93
		17.8	126.7	5.20	119.8	4.88	113.3	4.66	110.8	4.44	105.8	4.23	100.8	3.90
		35.5	126.7	4.99	119.8	4.66	113.3	4.44	110.8	4.34	105.8	4.11	100.8	3.79
		44.4	126.7	4.99	119.8	4.66	113.3	4.44	110.8	4.34	105.8	4.01	100.8	3.79
		53.3	126.7	4.99	119.8	4.66	113.3	4.44	110.8	4.34	105.8	3.96	100.8	3.79
	68	14.2	126.7	4.37	119.8	4.14	113.3	4.04	110.8	3.93	105.8	3.72	100.8	3.49
		17.8	126.7	4.34	119.8	4.11	113.3	4.01	110.8	3.90	105.8	3.69	100.8	3.46
		35.5	126.7	4.23	119.8	4.01	113.3	3.90	110.8	3.79	105.8	3.58	100.8	3.36
		44.4	126.7	4.23	119.8	4.01	113.3	3.90	110.8	3.69	105.8	3.58	100.8	3.25
		53.3	126.7	4.23	119.8	4.01	113.3	3.90	110.8	3.64	105.8	3.58	100.8	3.19
	77	14.2	126.7	3.93	119.8	3.72	113.3	3.49	110.8	3.39	105.8	3.14	100.8	2.93
		17.8	126.7	3.90	119.8	3.69	113.3	3.46	110.8	3.36	105.8	3.14	100.8	2.93
		35.5	126.7	3.79	119.8	3.58	113.3	3.36	110.8	3.25	105.8	3.14	100.8	2.93
		44.4	126.7	3.69	119.8	3.46	113.3	3.36	110.8	3.25	105.8	3.04	100.8	2.93
		53.3	126.7	3.64	119.8	3.41	113.3	3.36	110.8	3.25	105.8	2.99	100.8	2.93
	86	14.2	126.7	3.49	119.8	3.28	113.3	3.07	110.8	2.93	105.8	2.84	100.8	2.60
		17.8	126.7	3.46	119.8	3.25	113.3	3.04	110.8	2.93	105.8	2.81	100.8	2.60
		35.5	126.7	3.36	119.8	3.14	113.3	2.93	110.8	2.93	105.8	2.71	100.8	2.60
		44.4	126.7	3.36	119.8	3.14	113.3	2.93	110.8	2.81	105.8	2.71	100.8	2.60
		53.3	126.7	3.36	119.8	3.14	113.3	2.93	110.8	2.76	105.8	2.71	100.8	2.60
	95	14.2	126.7	3.16	119.8	2.95	113.3	2.71	110.8	2.74	105.8	2.49	100.8	2.42
		17.8	126.7	3.14	119.8	2.93	113.3	2.71	110.8	2.71	105.8	2.49	100.8	2.39
		35.5	126.7	3.04	119.8	2.81	113.3	2.71	110.8	2.60	105.8	2.49	100.8	2.28
		44.4	126.7	3.04	119.8	2.81	113.3	2.60	110.8	2.60	105.8	2.49	100.8	2.28
		53.3	126.7	3.04	119.8	2.81	113.3	2.54	110.8	2.60	105.8	2.49	100.8	2.28
	104	14.2	126.7	2.95	119.8	2.74	113.3	2.51	110.8	2.39	105.8	2.28	100.8	2.19
		17.8	126.7	2.93	119.8	2.71	113.3	2.49	110.8	2.39	105.8	2.28	100.8	2.16
		35.5	126.7	2.81	119.8	2.60	113.3	2.39	110.8	2.39	105.8	2.28	100.8	2.06
		44.4	126.7	2.81	119.8	2.60	113.3	2.39	110.8	2.28	105.8	2.16	100.8	2.06
		53.3	126.7	2.81	119.8	2.60	113.3	2.39	110.8	2.22	105.8	2.11	100.8	2.06
	113	14.2	126.7	2.74	119.8	2.51	113.3	2.33	110.8	2.04	105.8	2.06	100.8	1.98
		17.8	126.7	2.71	119.8	2.49	113.3	2.28	110.8	2.06	105.8	2.06	100.8	1.95
		35.5	126.7	2.60	119.8	2.39	113.3	2.06	110.8	2.16	105.8	2.06	100.8	1.84
		44.4	126.7	2.60	119.8	2.39	113.3	2.16	110.8	1.95	105.8	1.84	100.8	1.84
		53.3	126.7	2.60	119.8	2.39	113.3	2.21	110.8	1.84	105.8	1.73	100.8	1.84

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM144BAS5

144,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	14.2	43.5	3.18	40.8	3.06	38.6	2.94	38.2	2.73	38.0	2.69	37.3	2.40
		17.8	45.1	3.25	42.2	3.13	39.9	3.00	39.5	2.79	39.3	2.75	38.6	2.46
		35.5	51.1	3.53	47.8	3.40	45.2	3.26	44.8	3.03	44.6	2.98	43.7	2.67
		44.4	56.4	3.80	52.7	3.67	50.0	3.52	49.4	3.27	49.3	3.22	48.2	2.87
		53.3	59.0	3.94	55.3	3.80	52.5	3.65	51.8	3.40	51.6	3.34	50.5	2.97
	32	14.2	77.9	4.66	71.8	4.50	66.9	4.30	65.6	4.00	64.7	3.95	62.3	3.52
		17.8	78.4	4.68	72.2	4.51	67.4	4.32	66.0	4.01	65.1	3.96	62.7	3.53
		35.5	80.2	4.73	73.8	4.55	69.0	4.37	67.5	4.06	66.6	4.00	64.0	3.57
		44.4	81.4	4.73	75.0	4.55	70.1	4.37	68.6	4.06	67.7	4.00	65.1	3.57
		53.3	82.0	4.73	75.7	4.55	70.6	4.37	69.1	4.06	68.2	4.00	65.6	3.57
	41	14.2	107.7	5.08	101.5	4.89	97.4	4.68	94.9	4.36	90.9	4.29	86.5	3.83
		17.8	107.9	5.10	101.7	4.91	97.4	4.71	94.9	4.38	90.9	4.32	86.5	3.85
		35.5	108.8	5.20	102.5	5.01	97.4	4.81	94.9	4.47	90.9	4.41	86.5	3.92
		44.4	108.8	5.25	102.3	5.05	97.4	4.84	94.9	4.51	90.9	4.43	86.5	3.96
		53.3	108.8	5.27	102.2	5.06	97.4	4.86	94.9	4.52	90.9	4.44	86.5	3.97
	50	14.2	108.2	4.66	101.9	4.46	97.4	4.25	94.9	3.97	90.9	3.89	86.5	3.49
		17.8	108.4	4.66	102.0	4.46	97.4	4.25	94.9	3.98	90.9	3.89	86.5	3.50
		35.5	108.8	4.66	102.5	4.46	97.4	4.25	94.9	4.03	90.9	3.88	86.5	3.53
		44.4	108.8	4.68	102.3	4.42	97.4	4.20	94.9	3.98	90.9	3.85	86.5	3.50
		53.3	108.8	4.68	102.2	4.39	97.4	4.18	94.9	3.96	90.9	3.83	86.5	3.48
	59	14.2	108.8	4.26	102.3	4.04	97.4	3.82	94.9	3.58	90.9	3.49	86.5	3.14
		17.8	108.8	4.23	102.3	4.01	97.4	3.79	94.9	3.58	90.9	3.46	86.5	3.14
		35.5	108.8	4.11	102.3	3.90	97.4	3.69	94.9	3.58	90.9	3.36	86.5	3.14
		44.4	108.8	4.11	102.3	3.79	97.4	3.58	94.9	3.46	90.9	3.25	86.5	3.04
		53.3	108.8	4.11	102.3	3.73	97.4	3.52	94.9	3.41	90.9	3.19	86.5	2.99
	68	14.2	108.8	3.72	102.3	3.49	97.4	3.28	94.9	3.16	90.9	3.07	86.5	2.84
		17.8	108.8	3.69	102.3	3.46	97.4	3.25	94.9	3.14	90.9	3.04	86.5	2.81
		35.5	108.8	3.58	102.3	3.36	97.4	3.14	94.9	3.04	90.9	2.93	86.5	2.71
		44.4	108.8	3.58	102.3	3.36	97.4	3.14	94.9	3.04	90.9	2.93	86.5	2.71
		53.3	108.8	3.58	102.3	3.36	97.4	3.14	94.9	3.04	90.9	2.93	86.5	2.71
	77	14.2	108.8	3.28	102.3	3.07	97.4	2.81	94.9	2.84	90.9	2.60	86.5	2.51
		17.8	108.8	3.25	102.3	3.04	97.4	2.81	94.9	2.81	90.9	2.60	86.5	2.49
		35.5	108.8	3.14	102.3	2.93	97.4	2.81	94.9	2.71	90.9	2.60	86.5	2.39
		44.4	108.8	3.14	102.3	2.93	97.4	2.71	94.9	2.71	90.9	2.60	86.5	2.39
		53.3	108.8	3.14	102.3	2.93	97.4	2.66	94.9	2.71	90.9	2.60	86.5	2.39
	86	14.2	108.8	2.95	102.3	2.74	97.4	2.63	94.9	2.51	90.9	2.42	86.5	2.30
		17.8	108.8	2.93	102.3	2.71	97.4	2.60	94.9	2.49	90.9	2.39	86.5	2.28
		35.5	108.8	2.81	102.3	2.60	97.4	2.49	94.9	2.39	90.9	2.28	86.5	2.16
		44.4	108.8	2.81	102.3	2.60	97.4	2.49	94.9	2.39	90.9	2.28	86.5	2.16
		53.3	108.8	2.81	102.3	2.60	97.4	2.49	94.9	2.39	90.9	2.28	86.5	2.16
	95	14.2	108.8	2.60	102.3	2.51	97.4	2.28	94.9	2.30	90.9	2.19	86.5	2.09
		17.8	108.8	2.60	102.3	2.49	97.4	2.28	94.9	2.28	90.9	2.16	86.5	2.06
		35.5	108.8	2.60	102.3	2.39	97.4	2.28	94.9	2.16	90.9	2.06	86.5	1.95
		44.4	108.8	2.60	102.3	2.39	97.4	2.16	94.9	2.16	90.9	2.06	86.5	1.95
		53.3	108.8	2.60	102.3	2.39	97.4	2.11	94.9	2.16	90.9	2.06	86.5	1.95
	104	14.2	108.8	2.39	102.3	2.30	97.4	2.06	94.9	2.09	90.9	1.98	86.5	1.84
		17.8	108.8	2.39	102.3	2.28	97.4	2.06	94.9	2.06	90.9	1.95	86.5	1.84
		35.5	108.8	2.39	102.3	2.16	97.4	2.06	94.9	1.95	90.9	1.84	86.5	1.84
		44.4	108.8	2.39	102.3	2.16	97.4	2.06	94.9	1.95	90.9	1.84	86.5	1.84
		53.3	108.8	2.39	102.3	2.16	97.4	2.06	94.9	1.95	90.9	1.84	86.5	1.84
	113	14.2	108.8	2.16	102.3	2.09	97.4	1.84	94.9	1.86	90.9	1.77	86.5	1.60
		17.8	108.8	2.16	102.3	2.06	97.4	1.84	94.9	1.84	90.9	1.74	86.5	1.63
		35.5	108.8	2.16	102.3	1.95	97.4	1.84	94.9	1.74	90.9	1.63	86.5	1.74
		44.4	108.8	2.16	102.3	1.95	97.4	1.95	94.9	1.74	90.9	1.63	86.5	1.74
		53.3	108.8	2.16	102.3	1.95	97.4	2.01	94.9	1.74	90.9	1.63	86.5	1.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	14.2	36.3	2.54	34.1	2.40	32.2	2.27	31.7	2.15	31.6	2.02	31.0	1.91
		17.8	37.5	2.59	35.3	2.46	33.3	2.32	32.9	2.20	32.7	2.06	32.1	1.95
		35.5	42.3	2.80	39.8	2.67	37.7	2.51	37.2	2.39	37.1	2.24	36.3	2.11
		44.4	46.9	3.03	44.0	2.87	41.6	2.71	41.1	2.58	40.8	2.41	40.2	2.28
		53.3	49.1	3.14	46.1	2.97	43.6	2.81	43.1	2.67	42.7	2.50	42.2	2.36
	32	14.2	64.7	3.71	59.9	3.52	55.7	3.32	54.5	3.15	53.8	2.96	51.8	2.79
		17.8	65.1	3.72	60.3	3.53	56.1	3.33	54.9	3.16	54.1	2.97	52.1	2.80
		35.5	66.6	3.76	61.6	3.57	57.4	3.37	56.2	3.21	55.5	3.00	53.3	2.84
		44.4	67.7	3.76	62.5	3.57	58.2	3.37	57.1	3.21	56.2	3.00	54.3	2.84
		53.3	68.2	3.76	63.0	3.57	58.5	3.37	57.6	3.21	56.6	3.00	54.7	2.84
	41	14.2	89.5	4.04	84.8	3.83	80.9	3.61	79.0	3.44	75.5	3.23	72.0	3.03
		17.8	89.7	4.06	85.0	3.85	80.9	3.63	79.0	3.45	75.5	3.24	72.0	3.05
		35.5	90.4	4.14	85.6	3.92	81.1	3.71	79.0	3.52	75.5	3.30	72.0	3.12
		44.4	90.4	4.17	85.4	3.96	81.1	3.73	79.0	3.54	75.5	3.33	72.0	3.14
		53.3	90.4	4.19	85.4	3.97	81.1	3.74	79.0	3.55	75.5	3.35	72.0	3.15
	50	14.2	90.0	3.72	85.0	3.50	80.9	3.29	79.0	3.14	75.5	2.91	72.0	2.77
		17.8	90.1	3.71	85.1	3.50	80.9	3.29	79.0	3.14	75.5	2.92	72.0	2.77
		35.5	90.4	3.69	85.6	3.49	81.1	3.26	79.0	3.12	75.5	2.95	72.0	2.75
		44.4	90.4	3.71	85.4	3.50	81.1	3.27	79.0	3.13	75.5	2.90	72.0	2.76
		53.3	90.4	3.72	85.4	3.50	81.1	3.28	79.0	3.13	75.5	2.88	72.0	2.76
	59	14.2	90.4	3.39	85.4	3.16	81.1	2.95	79.0	2.84	75.5	2.60	72.0	2.51
		17.8	90.4	3.36	85.4	3.14	81.1	2.93	79.0	2.81	75.5	2.60	72.0	2.49
		35.5	90.4	3.25	85.4	3.04	81.1	2.81	79.0	2.71	75.5	2.60	72.0	2.39
		44.4	90.4	3.25	85.4	3.04	81.1	2.81	79.0	2.71	75.5	2.49	72.0	2.39
		53.3	90.4	3.25	85.4	3.04	81.1	2.81	79.0	2.71	75.5	2.43	72.0	2.39
	68	14.2	90.4	2.95	85.4	2.74	81.1	2.63	79.0	2.51	75.5	2.42	72.0	2.16
		17.8	90.4	2.93	85.4	2.71	81.1	2.60	79.0	2.49	75.5	2.39	72.0	2.16
		35.5	90.4	2.81	85.4	2.60	81.1	2.49	79.0	2.39	75.5	2.28	72.0	2.16
		44.4	90.4	2.81	85.4	2.60	81.1	2.49	79.0	2.39	75.5	2.28	72.0	2.16
		53.3	90.4	2.81	85.4	2.60	81.1	2.49	79.0	2.39	75.5	2.28	72.0	2.16
	77	14.2	90.4	2.63	85.4	2.39	81.1	2.30	79.0	2.16	75.5	2.06	72.0	1.95
		17.8	90.4	2.60	85.4	2.39	81.1	2.28	79.0	2.16	75.5	2.06	72.0	1.95
		35.5	90.4	2.49	85.4	2.39	81.1	2.16	79.0	2.16	75.5	2.06	72.0	1.95
		44.4	90.4	2.49	85.4	2.39	81.1	2.16	79.0	2.16	75.5	2.06	72.0	1.95
		53.3	90.4	2.49	85.4	2.39	81.1	2.16	79.0	2.16	75.5	2.06	72.0	1.95
	86	14.2	90.4	2.42	85.4	2.19	81.1	2.09	79.0	1.95	75.5	1.98	72.0	1.86
		17.8	90.4	2.39	85.4	2.16	81.1	2.06	79.0	1.95	75.5	1.95	72.0	1.84
		35.5	90.4	2.28	85.4	2.06	81.1	1.95	79.0	1.95	75.5	1.84	72.0	1.74
		44.4	90.4	2.28	85.4	2.06	81.1	1.95	79.0	1.95	75.5	1.84	72.0	1.74
		53.3	90.4	2.28	85.4	2.06	81.1	1.95	79.0	1.95	75.5	1.84	72.0	1.74
	95	14.2	90.4	2.19	85.4	1.95	81.1	1.84	79.0	1.86	75.5	1.74	72.0	1.63
		17.8	90.4	2.16	85.4	1.95	81.1	1.84	79.0	1.84	75.5	1.74	72.0	1.63
		35.5	90.4	2.06	85.4	1.95	81.1	1.84	79.0	1.74	75.5	1.74	72.0	1.63
		44.4	90.4	2.06	85.4	1.95	81.1	1.84	79.0	1.74	75.5	1.74	72.0	1.63
		53.3	90.4	2.06	85.4	1.95	81.1	1.84	79.0	1.74	75.5	1.74	72.0	1.63
	104	14.2	90.4	1.98	85.4	1.86	81.1	1.77	79.0	1.63	75.5	1.65	72.0	1.51
		17.8	90.4	1.95	85.4	1.84	81.1	1.74	79.0	1.63	75.5	1.63	72.0	1.51
		35.5	90.4	1.84	85.4	1.74	81.1	1.63	79.0	1.63	75.5	1.51	72.0	1.51
		44.4	90.4	1.84	85.4	1.74	81.1	1.63	79.0	1.63	75.5	1.51	72.0	1.51
		53.3	90.4	1.84	85.4	1.74	81.1	1.63	79.0	1.63	75.5	1.51	72.0	1.51
	113	14.2	90.4	1.77	85.4	1.79	81.1	1.68	79.0	1.39	75.5	1.57	72.0	1.41
		17.8	90.4	1.74	85.4	1.74	81.1	1.63	79.0	1.41	75.5	1.51	72.0	1.41
		35.5	90.4	1.63	85.4	1.51	81.1	1.41	79.0	1.51	75.5	1.30	72.0	1.41
		44.4	90.4	1.63	85.4	1.51	81.1	1.41	79.0	1.51	75.5	1.30	72.0	1.41
		53.3	90.4	1.63	85.4	1.51	81.1	1.41	79.0	1.51	75.5	1.30	72.0	1.41

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM168BAS5

168,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	23	18.3	89.4	9.23	88.8	8.69	88.2	8.09	87.0	7.85	88.1	7.65	85.6	6.86
		35.6	92.5	9.39	91.8	8.86	91.2	8.27	90.0	8.02	91.1	7.81	88.6	7.01
		45.7	104.6	10.03	103.7	9.53	103.2	8.97	101.8	8.71	103.0	8.46	100.4	7.60
		57.2	115.7	10.67	114.6	10.18	113.9	9.66	112.5	9.41	113.9	9.13	110.9	8.19
		68.6	126.7	11.30	125.4	10.82	124.5	10.34	123.1	10.10	124.7	9.79	121.3	8.77
	32	18.3	159.7	12.62	156.1	12.25	152.8	11.85	149.4	11.51	150.0	11.20	143.1	10.03
		35.6	160.7	12.66	157.0	12.28	153.7	11.88	150.3	11.55	150.8	11.23	144.0	10.06
		45.7	164.6	12.79	160.5	12.40	157.2	12.02	153.8	11.69	154.4	11.35	147.5	10.18
		57.2	167.0	12.79	163.0	12.40	159.6	12.02	156.1	11.69	156.7	11.35	149.6	10.18
		68.6	169.4	12.79	165.5	12.40	162.0	12.02	158.4	11.69	159.0	11.35	151.7	10.18
	41	18.3	230.0	13.57	226.6	13.23	221.8	12.90	216.3	12.53	210.4	12.19	198.8	10.91
		35.6	230.8	13.63	227.0	13.30	221.9	12.96	216.3	12.60	210.4	12.25	198.8	10.97
		45.7	234.0	13.87	228.6	13.54	222.1	13.22	216.3	12.86	210.4	12.49	198.8	11.20
		57.2	235.4	13.96	229.3	13.63	222.1	13.31	216.3	12.95	210.4	12.58	198.8	11.27
		68.6	236.8	14.05	230.0	13.72	222.1	13.40	216.3	13.04	210.4	12.67	198.8	11.34
	50	18.3	230.3	12.35	226.6	11.93	221.2	11.71	215.4	11.45	209.6	11.05	198.0	9.98
		35.6	231.7	12.32	227.7	11.94	222.1	11.73	216.3	11.44	210.4	11.05	198.8	9.97
		45.7	237.2	12.23	231.9	11.99	225.6	11.82	219.8	11.43	213.6	11.02	202.0	9.94
		57.2	238.4	12.40	233.5	12.16	227.0	11.87	220.8	11.47	215.0	11.20	203.2	10.41
		68.6	239.6	12.57	235.1	12.33	228.4	11.92	221.8	11.51	216.4	11.38	204.4	10.88
	59	18.3	230.7	11.13	226.7	10.65	220.3	10.54	214.5	10.36	208.9	9.92	197.2	9.04
		35.6	232.6	11.02	228.4	10.61	222.1	10.52	216.3	10.29	210.4	9.85	198.8	8.97
		45.7	240.2	10.58	235.2	10.42	229.1	10.42	223.3	9.98	216.8	9.54	205.2	8.66
		57.2	241.4	10.83	237.5	10.67	231.9	10.42	225.6	9.98	219.8	9.82	207.6	9.54
		68.6	242.6	11.08	239.8	10.92	234.7	10.42	227.9	9.98	222.8	10.10	210.0	10.41
	68	18.3	239.5	10.21	235.1	9.73	228.9	9.52	222.6	9.22	216.1	9.01	203.3	8.73
		35.6	241.4	10.14	237.0	9.73	230.7	9.51	224.3	9.25	218.0	9.07	205.2	8.66
		45.7	249.0	9.85	244.6	9.69	237.7	9.48	231.4	9.41	225.6	9.31	212.7	8.37
		57.2	250.0	9.85	246.3	9.69	240.5	9.54	233.7	9.41	227.3	9.31	214.5	8.90
		68.6	251.0	9.85	248.0	9.69	243.3	9.60	236.0	9.41	229.0	9.31	216.3	9.43
	77	18.3	252.8	9.73	246.3	9.45	240.5	9.29	235.9	9.14	230.7	9.00	217.5	8.41
		35.6	252.8	9.69	246.3	9.44	240.5	9.25	235.9	9.10	230.7	8.97	217.5	8.37
		45.7	252.8	9.54	246.3	9.38	240.5	9.10	235.9	8.97	230.7	8.81	217.5	8.22
		57.2	252.8	9.41	246.3	9.13	240.5	8.97	235.9	8.81	230.7	8.66	217.5	8.08
		68.6	252.8	9.28	246.3	8.88	240.5	8.84	235.9	8.65	230.7	8.51	217.5	7.94
	86	18.3	252.8	9.48	246.3	9.01	240.5	8.93	235.9	8.70	230.7	8.60	217.5	8.00
		35.6	252.8	9.41	246.3	9.00	240.5	8.87	235.9	8.66	230.7	8.52	217.5	7.93
		45.7	252.8	9.10	246.3	8.93	240.5	8.66	235.9	8.52	230.7	8.22	217.5	7.64
		57.2	252.8	8.97	246.3	8.69	240.5	8.52	235.9	8.37	230.7	8.22	217.5	7.64
		68.6	252.8	8.84	246.3	8.45	240.5	8.38	235.9	8.22	230.7	8.22	217.5	7.64
	95	18.3	252.8	9.04	246.3	8.74	240.5	8.56	235.9	8.26	230.7	7.97	217.5	7.41
		35.6	252.8	8.97	246.3	8.69	240.5	8.52	235.9	8.22	230.7	7.93	217.5	7.34
		45.7	252.8	8.66	246.3	8.49	240.5	8.37	235.9	8.08	230.7	7.78	217.5	7.05
		57.2	252.8	8.66	246.3	8.40	240.5	8.22	235.9	7.93	230.7	7.64	217.5	7.05
		68.6	252.8	8.66	246.3	8.31	240.5	8.07	235.9	7.78	230.7	7.50	217.5	7.05
	104	18.3	252.8	8.73	246.3	8.46	240.5	8.29	235.9	8.00	230.7	7.72	217.5	6.97
		35.6	252.8	8.66	246.3	8.40	240.5	8.22	235.9	7.93	230.7	7.64	217.5	6.90
		45.7	252.8	8.37	246.3	8.19	240.5	7.93	235.9	7.64	230.7	7.34	217.5	6.61
		57.2	252.8	8.22	246.3	8.05	240.5	7.93	235.9	7.64	230.7	7.34	217.5	6.61
		68.6	252.8	8.07	246.3	7.91	240.5	7.93	235.9	7.64	230.7	7.34	217.5	6.61
	113	18.3	252.8	8.45	246.3	8.17	240.5	8.04	235.9	7.75	230.7	7.45	217.5	6.53
		35.6	252.8	8.37	246.3	8.11	240.5	7.93	235.9	7.64	230.7	7.34	217.5	6.46
		45.7	252.8	8.08	246.3	7.90	240.5	7.49	235.9	7.20	230.7	6.90	217.5	6.17
		57.2	252.8	7.78	246.3	7.70	240.5	7.64	235.9	7.34	230.7	7.05	217.5	6.17
		68.6	252.8	7.48	246.3	7.50	240.5	7.79	235.9	7.48	230.7	7.20	217.5	6.17

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	18.3	85.0	9.23	84.3	8.69	83.8	8.09	82.8	7.75	83.4	7.52	81.2	6.73
		35.6	87.9	9.39	87.2	8.86	86.7	8.27	85.6	7.92	86.3	7.69	84.0	6.88
		45.7	99.5	10.03	98.6	9.53	98.1	8.97	96.9	8.59	97.8	8.34	95.1	7.48
		57.2	109.9	10.67	109.0	10.18	108.3	9.66	107.1	9.27	107.9	9.00	105.0	8.05
		68.6	120.2	11.30	119.3	10.82	118.4	10.34	117.2	9.94	117.9	9.65	114.8	8.62
	32	18.3	151.9	12.62	148.2	12.25	145.0	11.85	142.1	11.35	142.1	11.03	135.6	9.86
		35.6	152.8	12.66	149.1	12.28	145.9	11.88	142.9	11.38	142.9	11.06	136.4	9.89
		45.7	156.3	12.79	152.6	12.40	149.4	12.02	146.3	11.52	146.3	11.18	139.8	10.01
		57.2	158.8	12.79	155.1	12.40	151.7	12.02	148.6	11.52	148.4	11.18	141.9	10.01
		68.6	161.3	12.79	157.6	12.40	154.0	12.02	150.9	11.52	150.5	11.18	144.0	10.01
	41	18.3	219.0	13.57	215.7	13.23	211.0	12.90	205.9	12.35	199.4	12.00	188.5	10.75
		35.6	219.8	13.63	216.1	13.30	211.0	12.96	205.9	12.41	199.4	12.07	188.5	10.80
		45.7	222.9	13.87	217.7	13.54	211.0	13.22	205.9	12.67	199.4	12.31	188.5	11.02
		57.2	224.2	13.96	216.4	13.63	211.0	13.31	205.9	12.76	199.4	12.40	188.5	11.09
		68.6	225.5	14.05	215.1	13.72	211.0	13.40	205.9	12.85	199.4	12.49	188.5	11.16
	50	18.3	219.8	12.19	215.7	11.85	210.4	11.61	205.3	11.26	198.8	10.89	188.0	9.79
		35.6	220.8	12.23	216.6	11.90	211.0	11.65	205.9	11.27	199.4	10.88	188.5	9.80
		45.7	224.9	12.40	220.1	12.08	213.3	11.82	208.2	11.34	201.5	10.85	190.4	9.85
		57.2	226.1	12.35	219.4	12.08	214.1	11.87	209.0	11.38	202.4	10.90	191.3	10.18
		68.6	227.3	12.30	218.7	12.08	214.9	11.92	209.8	11.42	203.3	10.95	192.2	10.51
	59	18.3	220.4	10.81	216.0	10.49	209.8	10.33	204.7	10.17	198.4	9.77	187.5	8.85
		35.6	221.7	10.83	217.3	10.52	211.0	10.35	205.9	10.14	199.4	9.69	188.5	8.81
		45.7	226.8	10.93	222.6	10.61	215.7	10.42	210.4	9.98	203.4	9.41	192.5	8.66
		57.2	228.0	10.76	222.4	10.52	217.5	10.42	212.2	9.98	205.2	9.41	194.3	9.25
		68.6	229.2	10.59	222.2	10.43	219.3	10.42	214.0	9.98	207.0	9.41	196.1	9.83
	68	18.3	226.6	9.73	222.3	9.31	215.6	9.06	209.6	8.93	202.8	8.82	191.9	8.37
		35.6	228.0	9.73	223.6	9.35	216.8	9.10	211.0	8.97	204.1	8.81	193.0	8.34
		45.7	233.8	9.73	228.9	9.48	221.5	9.25	216.3	9.10	209.2	8.78	197.6	8.22
		57.2	234.9	9.63	228.7	9.41	223.3	9.25	217.5	9.10	210.4	8.81	198.8	8.52
		68.6	236.0	9.53	228.5	9.34	225.1	9.25	218.7	9.10	211.6	8.84	200.0	8.82
	77	18.3	237.6	9.20	230.7	8.77	223.3	8.60	218.5	8.41	212.7	8.26	201.1	7.68
		35.6	237.7	9.16	230.7	8.75	223.3	8.59	218.5	8.37	212.7	8.22	201.1	7.64
		45.7	238.2	9.03	230.7	8.69	223.3	8.52	218.5	8.22	212.7	8.08	201.1	7.49
		57.2	238.9	8.69	230.7	8.46	223.3	8.37	218.5	8.22	212.7	7.93	201.1	7.49
		68.6	239.6	8.35	230.7	8.23	223.3	8.22	218.5	8.22	212.7	7.78	201.1	7.49
	86	18.3	238.9	8.80	230.7	8.36	223.3	8.12	218.5	7.81	212.7	7.72	201.1	7.09
		35.6	238.9	8.72	230.7	8.31	223.3	8.08	218.5	7.78	212.7	7.64	201.1	7.05
		45.7	238.9	8.43	230.7	8.11	223.3	7.93	218.5	7.64	212.7	7.34	201.1	6.90
		57.2	238.9	8.16	230.7	7.93	223.3	7.78	218.5	7.64	212.7	7.34	201.1	6.76
		68.6	238.9	7.89	230.7	7.75	223.3	7.63	218.5	7.64	212.7	7.34	201.1	6.62
	95	18.3	238.9	8.40	230.7	7.94	223.3	7.72	218.5	7.41	212.7	7.12	201.1	6.49
		35.6	238.9	8.28	230.7	7.87	223.3	7.64	218.5	7.34	212.7	7.05	201.1	6.46
		45.7	238.9	7.81	230.7	7.58	223.3	7.34	218.5	7.05	212.7	6.76	201.1	6.32
		57.2	238.9	7.72	230.7	7.52	223.3	7.34	218.5	7.05	212.7	6.76	201.1	6.17
		68.6	238.9	7.63	230.7	7.46	223.3	7.34	218.5	7.05	212.7	6.76	201.1	6.02
	104	18.3	238.9	8.15	230.7	7.58	223.3	7.28	218.5	6.97	212.7	6.68	201.1	6.05
		35.6	238.9	7.99	230.7	7.49	223.3	7.20	218.5	6.90	212.7	6.61	201.1	6.02
		45.7	238.9	7.37	230.7	7.14	223.3	6.90	218.5	6.61	212.7	6.32	201.1	5.88
		57.2	238.9	7.28	230.7	7.05	223.3	6.90	218.5	6.61	212.7	6.32	201.1	5.73
		68.6	238.9	7.19	230.7	6.96	223.3	6.90	218.5	6.61	212.7	6.32	201.1	5.58
	113	18.3	238.9	7.90	230.7	7.22	223.3	6.84	218.5	6.53	212.7	6.24	201.1	5.61
		35.6	238.9	7.70	230.7	7.11	223.3	6.76	218.5	6.46	212.7	6.17	201.1	5.58
		45.7	238.9	6.93	230.7	6.70	223.3	6.46	218.5	6.17	212.7	5.88	201.1	5.44
		57.2	238.9	6.84	230.7	6.58	223.3	6.46	218.5	6.17	212.7	5.88	201.1	5.29
		68.6	238.9	6.75	230.7	6.46	223.3	6.46	218.5	6.17	212.7	5.88	201.1	5.14

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM168BAS5

168,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	18.3	80.4	9.35	79.9	8.69	79.4	8.09	78.5	7.75	78.7	7.52	77.0	6.73
		35.6	83.2	9.51	82.6	8.86	82.1	8.27	81.2	7.92	81.4	7.69	79.6	6.88
		45.7	94.1	10.15	93.5	9.53	93.0	8.97	92.0	8.59	92.0	8.34	90.2	7.48
		57.2	103.9	10.80	103.2	10.18	102.7	9.66	101.6	9.27	101.6	9.00	99.5	8.05
	32	68.6	113.6	11.44	112.8	10.82	112.3	10.34	111.1	9.94	111.1	9.65	108.7	8.62
		18.3	143.7	12.79	140.5	12.25	137.6	11.85	134.9	11.35	133.7	11.03	128.6	9.86
		35.6	144.5	12.82	141.4	12.28	138.4	11.88	135.7	11.38	134.5	11.06	129.4	9.89
		45.7	147.9	12.95	144.7	12.40	141.5	12.02	138.9	11.52	137.7	11.18	132.4	10.01
	41	57.2	150.1	12.95	147.0	12.40	143.8	12.02	141.0	11.52	139.8	11.18	134.3	10.01
		68.6	152.3	12.95	149.3	12.40	146.1	12.02	143.1	11.52	141.9	11.18	136.2	10.01
		18.3	209.6	13.75	204.6	13.23	199.9	12.90	195.3	12.35	187.8	12.00	178.6	10.75
		35.6	210.3	13.81	205.0	13.30	199.9	12.96	195.3	12.41	187.8	12.07	178.6	10.80
	50	45.7	213.1	14.06	206.6	13.54	200.1	13.22	195.3	12.67	187.8	12.31	178.6	11.02
		57.2	214.3	14.15	207.1	13.63	200.1	13.31	195.3	12.76	187.8	12.40	178.6	11.09
		68.6	215.5	14.24	207.6	13.72	200.1	13.40	195.3	12.85	187.8	12.49	178.6	11.16
		18.3	210.4	12.33	205.2	11.91	199.6	11.65	195.0	11.26	187.5	10.89	178.4	9.79
	59	35.6	211.2	12.35	205.7	11.94	199.9	11.69	195.3	11.27	187.8	10.88	178.6	9.80
		45.7	214.3	12.44	207.8	12.08	201.1	11.82	196.6	11.34	189.0	10.85	179.5	9.85
		57.2	215.5	12.44	208.7	12.08	201.8	11.79	196.9	11.31	189.4	10.90	180.0	9.95
		68.6	216.7	12.44	209.6	12.08	202.5	11.76	197.2	11.28	189.8	10.95	180.5	10.05
	68	18.3	211.0	10.91	205.5	10.61	199.5	10.42	194.8	10.17	187.1	9.77	178.2	8.85
		35.6	211.9	10.90	206.2	10.61	200.1	10.42	195.3	10.14	187.8	9.69	178.6	8.81
		45.7	215.4	10.83	209.2	10.61	202.4	10.42	197.6	9.98	190.2	9.41	180.4	8.66
		57.2	216.6	10.76	210.3	10.52	203.4	10.29	198.3	9.85	190.8	9.41	181.4	8.81
	77	68.6	217.8	10.69	211.4	10.43	204.4	10.16	199.0	9.72	191.4	9.41	182.4	8.96
		18.3	214.9	9.42	209.0	9.19	202.3	8.97	196.9	8.81	189.7	8.56	179.7	8.01
		35.6	216.1	9.44	209.7	9.19	202.9	8.97	197.6	8.81	190.2	8.52	180.4	7.99
		45.7	220.6	9.51	212.6	9.19	205.2	8.97	200.6	8.81	192.5	8.37	183.2	7.93
	86	57.2	221.9	9.51	214.3	9.19	206.4	8.97	201.1	8.66	193.6	8.37	183.7	7.93
		68.6	223.2	9.51	216.0	9.19	207.6	8.97	201.6	8.51	194.7	8.37	184.2	7.93
		18.3	221.6	8.57	215.0	8.26	206.4	8.12	201.8	7.81	194.8	7.53	184.4	6.90
		35.6	222.1	8.55	215.0	8.22	206.4	8.08	201.8	7.78	194.8	7.49	184.4	6.90
	95	45.7	223.8	8.49	215.0	8.08	206.4	7.93	201.8	7.64	194.8	7.34	184.4	6.90
		57.2	224.9	8.49	215.0	8.11	206.4	7.78	201.8	7.64	194.8	7.20	184.4	6.76
		68.6	226.0	8.49	215.0	8.14	206.4	7.63	201.8	7.64	194.8	7.06	184.4	6.62
		18.3	224.9	7.81	215.0	7.53	206.4	7.24	201.8	7.09	194.8	6.65	184.4	6.21
	104	35.6	224.9	7.78	215.0	7.49	206.4	7.20	201.8	7.05	194.8	6.61	184.4	6.17
		45.7	224.9	7.64	215.0	7.34	206.4	7.05	201.8	6.90	194.8	6.46	184.4	6.02
		57.2	224.9	7.58	215.0	7.20	206.4	6.90	201.8	6.76	194.8	6.46	184.4	6.02
		68.6	224.9	7.52	215.0	7.06	206.4	6.75	201.8	6.62	194.8	6.46	184.4	6.02
	113	18.3	224.9	7.41	215.0	6.93	206.4	6.65	201.8	6.36	194.8	6.05	184.4	5.61
		35.6	224.9	7.34	215.0	6.90	206.4	6.61	201.8	6.32	194.8	6.02	184.4	5.58
		45.7	224.9	7.05	215.0	6.76	206.4	6.46	201.8	6.17	194.8	5.88	184.4	5.44
		57.2	224.9	6.87	215.0	6.61	206.4	6.32	201.8	6.17	194.8	5.88	184.4	5.44
	104	68.6	224.9	6.69	215.0	6.46	206.4	6.18	201.8	6.17	194.8	5.88	184.4	5.44
		18.3	224.9	6.97	215.0	6.68	206.4	6.24	201.8	5.92	194.8	5.61	184.4	5.17
		35.6	224.9	6.90	215.0	6.61	206.4	6.17	201.8	5.88	194.8	5.58	184.4	5.14
		45.7	224.9	6.61	215.0	6.32	206.4	5.88	201.8	5.73	194.8	5.44	184.4	5.00
	113	57.2	224.9	6.52	215.0	6.17	206.4	5.88	201.8	5.58	194.8	5.29	184.4	4.85
		68.6	224.9	6.43	215.0	6.02	206.4	5.88	201.8	5.43	194.8	5.14	184.4	4.70
		18.3	224.9	6.53	215.0	6.43	206.4	5.84	201.8	5.48	194.8	5.17	184.4	4.73
		35.6	224.9	6.46	215.0	6.32	206.4	5.73	201.8	5.44	194.8	5.14	184.4	4.70
	113	45.7	224.9	6.17	215.0	5.88	206.4	5.29	201.8	5.29	194.8	5.00	184.4	4.56
		57.2	224.9	6.17	215.0	5.73	206.4	5.44	201.8	5.00	194.8	4.70	184.4	4.25
	113	68.6	224.9	6.17	215.0	5.58	206.4	5.59	201.8	4.71	194.8	4.40	184.4	3.94

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	18.3	76.0	9.35	75.4	8.81	75.1	8.09	74.5	7.75	73.8	7.40	72.4	6.73
		35.6	78.6	9.51	78.1	8.98	77.7	8.27	77.0	7.92	76.3	7.57	74.9	6.88
		45.7	89.0	10.15	88.4	9.65	87.9	8.97	87.0	8.59	86.3	8.22	84.9	7.48
		57.2	98.3	10.80	97.6	10.32	97.0	9.66	96.2	9.27	95.5	8.86	93.7	8.05
	32	68.6	107.5	11.44	106.7	10.98	106.0	10.34	105.3	9.94	104.6	9.49	102.4	8.62
		18.3	135.8	12.79	132.8	12.41	130.1	11.85	127.8	11.35	125.5	10.86	121.1	9.86
		35.6	136.6	12.82	133.6	12.44	130.8	11.88	128.5	11.38	126.2	10.90	121.8	9.89
		45.7	139.8	12.95	136.8	12.57	133.8	12.02	131.5	11.52	129.2	11.02	124.7	10.01
	41	57.2	141.9	12.95	138.9	12.57	135.9	12.02	133.4	11.52	131.2	11.02	126.6	10.01
		68.6	144.0	12.95	141.0	12.57	138.0	12.02	135.3	11.52	133.2	11.02	128.5	10.01
	50	18.3	200.4	13.75	193.7	13.42	188.8	12.90	185.0	12.35	176.2	11.82	168.1	10.75
		35.6	201.1	13.81	194.1	13.48	188.8	12.96	185.0	12.41	176.2	11.88	168.1	10.80
		45.7	203.9	14.06	195.5	13.72	189.0	13.22	185.0	12.67	176.2	12.13	168.1	11.02
		57.2	205.2	14.15	196.0	13.81	189.0	13.31	185.0	12.76	176.2	12.20	168.1	11.09
	59	68.6	206.5	14.24	196.5	13.90	189.0	13.40	185.0	12.85	176.2	12.27	168.1	11.16
		18.3	201.5	12.30	194.4	12.03	189.0	11.65	185.0	11.26	176.2	10.70	168.1	9.79
		35.6	202.0	12.35	194.6	12.07	189.0	11.69	185.0	11.27	176.2	10.71	168.1	9.80
		45.7	203.9	12.58	195.7	12.22	189.0	11.82	185.0	11.34	176.2	10.76	168.1	9.85
	68	57.2	205.4	12.54	196.6	12.22	189.0	11.79	185.0	11.31	176.2	10.73	168.1	9.80
		68.6	206.9	12.50	197.5	12.22	189.0	11.76	185.0	11.28	176.2	10.70	168.1	9.75
	77	18.3	202.6	10.84	195.2	10.66	189.0	10.42	185.0	10.17	176.2	9.58	168.1	8.85
		35.6	202.9	10.90	195.3	10.67	189.0	10.42	185.0	10.14	176.2	9.54	168.1	8.81
		45.7	203.9	11.11	195.9	10.70	189.0	10.42	185.0	9.98	176.2	9.41	168.1	8.66
		57.2	205.7	10.93	196.9	10.61	189.0	10.29	185.0	9.85	176.2	9.25	168.1	8.52
	86	68.6	207.5	10.75	197.9	10.52	189.0	10.16	185.0	9.72	176.2	9.09	168.1	8.38
		18.3	203.7	9.27	196.3	9.03	189.0	8.81	185.0	8.70	176.2	8.12	168.1	7.72
		35.6	204.5	9.31	196.4	9.04	189.0	8.81	185.0	8.66	176.2	8.08	168.1	7.64
		45.7	207.5	9.48	196.9	9.07	189.0	8.81	185.0	8.52	176.2	7.93	168.1	7.34
	95	57.2	208.7	9.31	198.7	9.00	189.0	8.66	185.0	8.37	176.2	7.78	168.1	7.20
		68.6	209.9	9.14	200.5	8.93	189.0	8.51	185.0	8.22	176.2	7.63	168.1	7.06
	104	18.3	206.2	8.11	199.4	7.85	189.0	7.53	185.0	7.24	176.2	6.80	168.1	6.17
		35.6	206.9	8.11	199.4	7.81	189.0	7.49	185.0	7.20	176.2	6.76	168.1	6.17
		45.7	209.9	8.14	199.4	7.64	189.0	7.34	185.0	7.05	176.2	6.61	168.1	6.17
		57.2	211.0	7.96	199.4	7.58	189.0	7.20	185.0	6.90	176.2	6.61	168.1	6.02
	113	68.6	212.1	7.78	199.4	7.52	189.0	7.06	185.0	6.75	176.2	6.61	168.1	5.87
		18.3	211.0	7.37	199.4	6.80	189.0	6.34	185.0	6.21	176.2	5.73	168.1	5.48
		35.6	211.0	7.34	199.4	6.76	189.0	6.32	185.0	6.17	176.2	5.73	168.1	5.44
		45.7	211.0	7.20	199.4	6.61	189.0	6.26	185.0	6.02	176.2	5.73	168.1	5.29
	122	57.2	211.0	7.05	199.4	6.61	189.0	6.17	185.0	6.02	176.2	5.58	168.1	5.29
		68.6	211.0	6.90	199.4	6.61	189.0	6.08	185.0	6.02	176.2	5.43	168.1	5.29
	131	18.3	211.0	6.84	199.4	6.24	189.0	5.59	185.0	5.48	176.2	5.17	168.1	4.73
		35.6	211.0	6.76	199.4	6.17	189.0	5.58	185.0	5.44	176.2	5.14	168.1	4.70
		45.7	211.0	6.46	199.4	5.88	189.0	5.52	185.0	5.29	176.2	5.00	168.1	4.56
		57.2	211.0	6.46	199.4	5.88	189.0	5.44	185.0	5.29	176.2	5.00	168.1	4.56
	140	68.6	211.0	6.46	199.4	5.88	189.0	5.36	185.0	5.29	176.2	5.00	168.1	4.56
		18.3	211.0	6.40	199.4	5.80	189.0	5.01	185.0	4.89	176.2	4.60	168.1	4.29
		35.6	211.0	6.32	199.4	5.73	189.0	5.00	185.0	4.85	176.2	4.56	168.1	4.25
		45.7	211.0	6.02	199.4	5.44	189.0	4.94	185.0	4.70	176.2	4.41	168.1	4.12
	149	57.2	211.0	5.88	199.4	5.44	189.0	4.85	185.0	4.70	176.2	4.41	168.1	4.12
		68.6	211.0	5.74	199.4	5.44	189.0	4.76	185.0	4.70	176.2	4.41	168.1	4.12
	158	18.3	211.0	5.96	199.4	5.36	189.0	4.42	185.0	4.29	176.2	4.00	168.1	3.85
		35.6	211.0	5.88	199.4	5.29	189.0	4.41	185.0	4.25	176.2	3.97	168.1	3.81
		45.7	211.0	5.58	199.4	5.00	189.0	4.35	185.0	4.12	176.2	3.81	168.1	3.68
		57.2	211.0	5.29	199.4	5.00	189.0	4.25	185.0	4.12	176.2	3.81	168.1	3.68
	167	68.6	211.0	5.00	199.4	5.00	189.0	4.15	185.0	4.12	176.2	3.81	168.1	3.68

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM168BAS5

168,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	18.3	71.7	8.68	69.5	7.90	67.5	6.94	67.0	6.62	66.4	6.38	65.3	5.72
		35.6	74.2	8.83	71.9	8.05	69.8	7.10	69.3	6.76	68.7	6.52	67.5	5.85
		45.7	84.0	9.42	81.4	8.65	78.9	7.70	78.4	7.34	77.9	7.08	76.3	6.35
		57.2	92.8	10.01	89.8	9.25	87.2	8.31	86.5	7.92	86.0	7.63	84.4	6.85
	32	68.6	101.5	10.59	98.1	9.84	95.4	8.91	94.5	8.49	94.0	8.18	92.4	7.35
		18.3	128.3	11.82	122.4	11.09	116.7	10.18	115.0	9.71	113.1	9.35	108.9	8.40
		35.6	129.0	11.85	123.1	11.12	117.4	10.21	115.7	9.74	113.8	9.38	109.5	8.42
		45.7	132.0	11.97	125.9	11.24	120.3	10.32	118.3	9.85	116.4	9.48	112.2	8.51
	41	57.2	134.0	11.97	127.8	11.24	122.2	10.32	120.1	9.85	118.3	9.48	113.9	8.51
		68.6	136.0	11.97	129.7	11.24	124.1	10.32	121.9	9.85	120.2	9.48	115.6	8.51
	50	18.3	181.3	12.69	175.4	11.98	169.8	11.08	166.3	10.57	158.9	10.17	151.4	9.13
		35.6	181.4	12.75	175.3	12.03	169.8	11.14	166.3	10.62	158.9	10.23	151.4	9.18
		45.7	182.1	12.98	174.8	12.26	169.8	11.35	166.3	10.83	158.9	10.44	151.4	9.36
		57.2	183.2	13.05	175.3	12.34	169.8	11.44	166.3	10.91	158.9	10.52	151.4	9.44
	59	68.6	184.3	13.12	175.8	12.42	169.8	11.53	166.3	10.99	158.9	10.60	151.4	9.52
		18.3	182.2	11.21	176.0	10.66	169.8	10.03	166.3	9.62	158.9	9.23	151.4	8.32
		35.6	182.1	11.21	175.8	10.67	169.8	10.04	166.3	9.63	158.9	9.22	151.4	8.33
		45.7	181.8	11.24	174.9	10.71	169.8	10.09	166.3	9.68	158.9	9.19	151.4	8.36
	68	57.2	183.0	11.21	175.5	10.68	169.8	10.06	166.3	9.65	158.9	9.22	151.4	8.39
		68.6	184.2	11.18	176.1	10.65	169.8	10.03	166.3	9.62	158.9	9.25	151.4	8.42
	77	18.3	183.2	9.70	176.7	9.35	169.8	9.00	166.3	8.70	158.9	8.29	151.4	7.53
		35.6	182.8	9.66	176.3	9.31	169.8	8.97	166.3	8.66	158.9	8.22	151.4	7.49
		45.7	181.6	9.51	175.1	9.16	169.8	8.81	166.3	8.52	158.9	7.93	151.4	7.34
		57.2	182.8	9.38	175.6	9.03	169.8	8.66	166.3	8.37	158.9	7.93	151.4	7.34
	86	68.6	184.0	9.25	176.1	8.90	169.8	8.51	166.3	8.22	158.9	7.93	151.4	7.34
		18.3	184.3	8.19	177.4	7.95	169.8	7.68	166.3	7.37	158.9	7.12	151.4	6.68
		35.6	184.1	8.19	177.0	7.93	169.8	7.64	166.3	7.34	158.9	7.05	151.4	6.61
		45.7	183.4	8.19	175.6	7.84	169.8	7.49	166.3	7.20	158.9	6.76	151.4	6.32
	95	57.2	183.9	8.05	176.2	7.78	169.8	7.49	166.3	7.20	158.9	6.76	151.4	6.32
		68.6	184.4	7.91	176.8	7.72	169.8	7.49	166.3	7.20	158.9	6.76	151.4	6.32
	104	18.3	187.3	7.16	179.7	6.78	169.8	6.49	166.3	6.17	158.9	5.92	151.4	5.48
		35.6	187.8	7.14	179.7	6.76	169.8	6.46	166.3	6.17	158.9	5.88	151.4	5.44
		45.7	189.5	7.08	179.7	6.70	169.8	6.32	166.3	6.17	158.9	5.73	151.4	5.29
		57.2	190.2	6.90	179.7	6.55	169.8	6.32	166.3	6.02	158.9	5.73	151.4	5.29
	113	68.6	190.9	6.72	179.7	6.40	169.8	6.32	166.3	5.87	158.9	5.73	151.4	5.29
		18.3	190.2	6.49	179.7	6.05	169.8	5.61	166.3	5.48	158.9	5.17	151.4	4.70
		35.6	190.2	6.46	179.7	6.02	169.8	5.58	166.3	5.44	158.9	5.14	151.4	4.70
		45.7	190.2	6.32	179.7	5.88	169.8	5.44	166.3	5.29	158.9	5.00	151.4	4.70
	122	57.2	190.2	6.17	179.7	5.73	169.8	5.44	166.3	5.29	158.9	5.00	151.4	4.56
		68.6	190.2	6.02	179.7	5.58	169.8	5.44	166.3	5.29	158.9	5.00	151.4	4.42
	130	18.3	190.2	5.92	179.7	5.48	169.8	5.04	166.3	4.89	158.9	4.60	151.4	4.29
		35.6	190.2	5.88	179.7	5.44	169.8	5.00	166.3	4.85	158.9	4.56	151.4	4.25
		45.7	190.2	5.73	179.7	5.29	169.8	4.85	166.3	4.70	158.9	4.41	151.4	4.12
		57.2	190.2	5.58	179.7	5.14	169.8	4.70	166.3	4.56	158.9	4.41	151.4	4.12
	138	68.6	190.2	5.43	179.7	4.99	169.8	4.55	166.3	4.42	158.9	4.41	151.4	4.12
		18.3	190.2	5.52	179.7	5.04	169.8	4.45	166.3	4.29	158.9	4.16	151.4	3.85
		35.6	190.2	5.44	179.7	5.00	169.8	4.41	166.3	4.25	158.9	4.12	151.4	3.81
		45.7	190.2	5.14	179.7	4.85	169.8	4.25	166.3	4.12	158.9	3.97	151.4	3.68
	146	57.2	190.2	5.14	179.7	4.85	169.8	4.25	166.3	4.12	158.9	3.97	151.4	3.68
		68.6	190.2	5.14	179.7	4.85	169.8	4.25	166.3	4.12	158.9	3.97	151.4	3.68
	154	18.3	190.2	5.11	179.7	4.60	169.8	3.85	166.3	3.72	158.9	3.72	151.4	3.41
		35.6	190.2	5.00	179.7	4.56	169.8	3.81	166.3	3.68	158.9	3.68	151.4	3.37
		45.7	190.2	4.56	179.7	4.41	169.8	3.68	166.3	3.53	158.9	3.53	151.4	3.24
		57.2	190.2	4.70	179.7	4.56	169.8	3.81	166.3	3.68	158.9	3.53	151.4	3.24
	162	68.6	190.2	4.84	179.7	4.71	169.8	3.94	166.3	3.83	158.9	3.53	151.4	3.24

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahrirectory.org](http://www.ahrirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	18.3	67.8	6.18	63.6	5.95	60.2	5.70	59.5	5.50	59.1	5.25	58.0	4.83
		35.6	70.1	6.32	65.8	6.08	62.2	5.82	61.5	5.62	61.2	5.36	60.0	4.94
		45.7	79.3	6.87	74.4	6.59	70.3	6.31	69.6	6.09	69.3	5.82	67.9	5.35
		57.2	87.7	7.40	82.1	7.11	77.7	6.81	76.8	6.58	76.5	6.28	74.9	5.77
	32	68.6	96.0	7.93	89.7	7.63	85.0	7.31	83.9	7.07	83.6	6.74	81.8	6.19
		18.3	121.1	9.08	111.7	8.71	104.0	8.35	102.1	8.06	100.6	7.68	96.8	7.08
		35.6	121.8	9.10	112.3	8.74	104.6	8.37	102.7	8.08	101.3	7.70	97.4	7.10
		45.7	124.8	9.21	115.0	8.84	107.1	8.46	105.1	8.18	103.7	7.80	99.7	7.17
	41	57.2	126.6	9.21	116.7	8.84	108.8	8.46	106.7	8.18	105.3	7.80	101.3	7.17
		68.6	128.4	9.21	118.4	8.84	110.5	8.46	108.3	8.18	106.9	7.80	102.9	7.17
		18.3	167.5	9.87	158.1	9.50	151.2	9.07	147.9	8.77	141.5	8.36	134.5	7.69
		35.6	167.9	9.92	158.4	9.54	151.2	9.12	147.9	8.81	141.5	8.40	134.5	7.73
	50	45.7	169.3	10.14	159.6	9.73	151.4	9.31	147.9	9.00	141.5	8.57	134.5	7.90
		57.2	169.3	10.20	159.5	9.80	151.4	9.38	147.9	9.06	141.5	8.63	134.5	7.95
		68.6	169.3	10.26	159.4	9.87	151.4	9.45	147.9	9.12	141.5	8.69	134.5	8.00
		18.3	168.4	9.08	158.8	8.67	151.2	8.23	147.9	8.00	141.5	7.58	134.5	7.02
	59	35.6	168.6	9.07	158.9	8.66	151.2	8.24	147.9	8.01	141.5	7.58	134.5	7.02
		45.7	169.3	9.03	159.6	8.62	151.4	8.25	147.9	8.02	141.5	7.60	134.5	7.04
		57.2	169.3	9.00	159.5	8.65	151.4	8.28	147.9	7.98	141.5	7.55	134.5	6.99
		68.6	169.3	8.97	159.4	8.68	151.4	8.31	147.9	7.94	141.5	7.50	134.5	6.94
	68	18.3	169.3	8.29	159.5	7.85	151.4	7.37	147.9	7.24	141.5	6.80	134.5	6.36
		35.6	169.3	8.22	159.5	7.78	151.4	7.34	147.9	7.20	141.5	6.76	134.5	6.32
		45.7	169.3	7.93	159.5	7.49	151.4	7.20	147.9	7.05	141.5	6.61	134.5	6.17
		57.2	169.3	7.78	159.5	7.49	151.4	7.20	147.9	6.90	141.5	6.46	134.5	6.02
	77	68.6	169.3	7.63	159.5	7.49	151.4	7.20	147.9	6.75	141.5	6.31	134.5	5.87
		18.3	169.3	6.93	159.5	6.65	151.4	6.32	147.9	6.21	141.5	5.92	134.5	5.48
		35.6	169.3	6.90	159.5	6.61	151.4	6.32	147.9	6.17	141.5	5.88	134.5	5.44
		45.7	169.3	6.76	159.5	6.46	151.4	6.32	147.9	6.02	141.5	5.73	134.5	5.29
	86	57.2	169.3	6.61	159.5	6.32	151.4	6.17	147.9	6.02	141.5	5.58	134.5	5.29
		68.6	169.3	6.46	159.5	6.18	151.4	6.02	147.9	6.02	141.5	5.43	134.5	5.29
		18.3	169.3	6.21	159.5	5.77	151.4	5.44	147.9	5.33	141.5	5.04	134.5	4.73
		35.6	169.3	6.17	159.5	5.73	151.4	5.44	147.9	5.29	141.5	5.00	134.5	4.70
	95	45.7	169.3	6.02	159.5	5.58	151.4	5.44	147.9	5.14	141.5	4.85	134.5	4.56
		57.2	169.3	5.88	159.5	5.58	151.4	5.29	147.9	5.14	141.5	4.85	134.5	4.56
		68.6	169.3	5.74	159.5	5.58	151.4	5.14	147.9	5.14	141.5	4.85	134.5	4.56
		18.3	169.3	5.48	159.5	5.17	151.4	4.89	147.9	4.73	141.5	4.45	134.5	4.16
	104	35.6	169.3	5.44	159.5	5.14	151.4	4.85	147.9	4.70	141.5	4.41	134.5	4.12
		45.7	169.3	5.29	159.5	5.00	151.4	4.70	147.9	4.56	141.5	4.25	134.5	3.97
		57.2	169.3	5.29	159.5	5.00	151.4	4.70	147.9	4.56	141.5	4.25	134.5	3.97
		68.6	169.3	5.29	159.5	5.00	151.4	4.70	147.9	4.56	141.5	4.25	134.5	3.97
	113	18.3	169.3	5.04	159.5	4.73	151.4	4.29	147.9	4.12	141.5	4.00	134.5	3.68
		35.6	169.3	5.00	159.5	4.70	151.4	4.25	147.9	4.12	141.5	3.97	134.5	3.68
		45.7	169.3	4.85	159.5	4.56	151.4	4.12	147.9	4.12	141.5	3.81	134.5	3.68
		57.2	169.3	4.85	159.5	4.41	151.4	4.12	147.9	3.97	141.5	3.81	134.5	3.53
	104	68.6	169.3	4.85	159.5	4.26	151.4	4.12	147.9	3.82	141.5	3.81	134.5	3.38
		18.3	169.3	4.77	159.5	4.29	151.4	3.81	147.9	3.85	141.5	3.53	134.5	3.41
		35.6	169.3	4.70	159.5	4.25	151.4	3.81	147.9	3.81	141.5	3.53	134.5	3.37
		45.7	169.3	4.41	159.5	4.12	151.4	3.81	147.9	3.68	141.5	3.53	134.5	3.24
	113	57.2	169.3	4.41	159.5	4.12	151.4	3.68	147.9	3.68	141.5	3.53	134.5	3.24
		68.6	169.3	4.41	159.5	4.12	151.4	3.55	147.9	3.68	141.5	3.53	134.5	3.24
		18.3	169.3	4.52	159.5	3.85	151.4	3.33	147.9	3.60	141.5	3.05	134.5	3.16
		35.6	169.3	4.41	159.5	3.81	151.4	3.37	147.9	3.53	141.5	3.08	134.5	3.08
	113	45.7	169.3	3.97	159.5	3.68	151.4	3.53	147.9	3.24	141.5	3.24	134.5	2.80
		57.2	169.3	3.97	159.5	3.81	151.4	3.24	147.9	3.37	141.5	3.24	134.5	2.93
	113	68.6	169.3	3.97	159.5	3.94	151.4	2.95	147.9	3.50	141.5	3.24	134.5	3.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM168BAS5

168,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	18.3	59.1	5.31	55.6	5.06	52.6	4.89	52.0	4.61	51.7	4.45	50.8	4.04
		35.6	61.2	5.42	57.5	5.17	54.3	5.00	53.8	4.71	53.4	4.54	52.6	4.13
		45.7	69.3	5.88	65.1	5.61	61.4	5.42	60.8	5.11	60.5	4.92	59.4	4.48
		57.2	76.7	6.35	71.9	6.05	67.9	5.85	67.3	5.50	66.8	5.32	65.6	4.83
	32	68.6	84.0	6.82	78.6	6.49	74.3	6.28	73.7	5.89	73.0	5.72	71.7	5.18
		18.3	105.9	7.77	97.9	7.41	90.9	7.16	89.3	6.74	87.9	6.51	84.8	5.93
		35.6	106.5	7.80	98.5	7.43	91.4	7.19	89.8	6.76	88.4	6.53	85.3	5.94
		45.7	109.0	7.89	100.7	7.51	93.5	7.28	92.0	6.84	90.5	6.61	87.2	6.00
	41	57.2	110.6	7.89	102.3	7.51	94.9	7.28	93.4	6.84	92.0	6.61	88.6	6.00
		68.6	112.2	7.89	103.9	7.51	96.3	7.28	94.8	6.84	93.5	6.61	90.0	6.00
		18.3	146.3	8.47	138.6	8.06	132.0	7.80	129.2	7.35	123.4	7.09	117.6	6.44
		35.6	146.6	8.51	138.9	8.10	132.0	7.84	129.2	7.38	123.4	7.13	117.6	6.47
	50	45.7	147.9	8.68	139.9	8.27	132.2	8.01	129.2	7.52	123.4	7.28	117.6	6.61
		57.2	147.9	8.74	139.8	8.33	132.2	8.07	129.2	7.58	123.4	7.32	117.6	6.66
		68.6	147.9	8.80	139.7	8.39	132.2	8.13	129.2	7.64	123.4	7.36	117.6	6.71
		18.3	147.0	7.80	139.1	7.37	132.2	7.10	129.2	6.70	123.4	6.43	117.6	5.88
	59	35.6	147.2	7.78	139.2	7.35	132.2	7.08	129.2	6.70	123.4	6.43	117.6	5.88
		45.7	147.9	7.72	139.8	7.29	132.2	7.02	129.2	6.70	123.4	6.43	117.6	5.88
		57.2	147.9	7.75	139.8	7.32	132.2	7.05	129.2	6.73	123.4	6.38	117.6	5.90
		68.6	147.9	7.78	139.8	7.35	132.2	7.08	129.2	6.76	123.4	6.33	117.6	5.92
	68	18.3	147.9	7.12	139.8	6.68	132.2	6.40	129.2	6.05	123.4	5.77	117.6	5.33
		35.6	147.9	7.05	139.8	6.61	132.2	6.32	129.2	6.02	123.4	5.73	117.6	5.29
		45.7	147.9	6.76	139.8	6.32	132.2	6.02	129.2	5.88	123.4	5.58	117.6	5.14
		57.2	147.9	6.76	139.8	6.32	132.2	6.02	129.2	5.88	123.4	5.44	117.6	5.14
	77	68.6	147.9	6.76	139.8	6.32	132.2	6.02	129.2	5.88	123.4	5.30	117.6	5.14
		18.3	147.9	5.92	139.8	5.61	132.2	5.48	129.2	5.33	123.4	5.04	117.6	4.73
		35.6	147.9	5.88	139.8	5.58	132.2	5.44	129.2	5.29	123.4	5.00	117.6	4.70
		45.7	147.9	5.73	139.8	5.44	132.2	5.29	129.2	5.14	123.4	4.85	117.6	4.56
	86	57.2	147.9	5.73	139.8	5.44	132.2	5.29	129.2	5.00	123.4	4.85	117.6	4.41
		68.6	147.9	5.73	139.8	5.44	132.2	5.29	129.2	4.86	123.4	4.85	117.6	4.26
		18.3	147.9	5.33	139.8	5.04	132.2	4.73	129.2	4.60	123.4	4.25	117.6	3.97
		35.6	147.9	5.29	139.8	5.00	132.2	4.70	129.2	4.56	123.4	4.25	117.6	3.97
	95	45.7	147.9	5.14	139.8	4.85	132.2	4.56	129.2	4.41	123.4	4.25	117.6	3.97
		57.2	147.9	5.00	139.8	4.70	132.2	4.56	129.2	4.41	123.4	4.12	117.6	3.97
		68.6	147.9	4.86	139.8	4.55	132.2	4.56	129.2	4.41	123.4	3.99	117.6	3.97
		18.3	147.9	4.73	139.8	4.45	132.2	4.16	129.2	3.97	123.4	3.85	117.6	3.53
	104	35.6	147.9	4.70	139.8	4.41	132.2	4.12	129.2	3.97	123.4	3.81	117.6	3.53
		45.7	147.9	4.56	139.8	4.25	132.2	3.97	129.2	3.97	123.4	3.68	117.6	3.53
		57.2	147.9	4.56	139.8	4.25	132.2	3.97	129.2	3.81	123.4	3.68	117.6	3.53
		68.6	147.9	4.56	139.8	4.25	132.2	3.97	129.2	3.65	123.4	3.68	117.6	3.53
	113	18.3	147.9	4.29	139.8	4.00	132.2	3.68	129.2	3.72	123.4	3.37	117.6	3.27
		35.6	147.9	4.25	139.8	3.97	132.2	3.68	129.2	3.68	123.4	3.37	117.6	3.24
		45.7	147.9	4.12	139.8	3.81	132.2	3.68	129.2	3.53	123.4	3.37	117.6	3.08
		57.2	147.9	4.12	139.8	3.81	132.2	3.53	129.2	3.53	123.4	3.37	117.6	3.08
	104	68.6	147.9	4.12	139.8	3.81	132.2	3.38	129.2	3.53	123.4	3.37	117.6	3.08
		18.3	147.9	4.00	139.8	3.72	132.2	3.41	129.2	3.24	123.4	3.08	117.6	2.97
		35.6	147.9	3.97	139.8	3.68	132.2	3.37	129.2	3.24	123.4	3.08	117.6	2.93
		45.7	147.9	3.81	139.8	3.53	132.2	3.24	129.2	3.24	123.4	3.08	117.6	2.80
	113	57.2	147.9	3.81	139.8	3.53	132.2	3.24	129.2	3.08	123.4	2.93	117.6	2.80
		68.6	147.9	3.81	139.8	3.53	132.2	3.24	129.2	2.92	123.4	2.78	117.6	2.80
		18.3	147.9	3.72	139.8	3.41	132.2	3.16	129.2	2.76	123.4	2.80	117.6	2.68
		35.6	147.9	3.68	139.8	3.37	132.2	3.08	129.2	2.80	123.4	2.80	117.6	2.64
	113	45.7	147.9	3.53	139.8	3.24	132.2	2.80	129.2	2.93	123.4	2.80	117.6	2.49
		57.2	147.9	3.53	139.8	3.24	132.2	2.93	129.2	2.64	123.4	2.49	117.6	2.49
	113	68.6	147.9	3.53	139.8	3.24	132.2	3.06	129.2	2.35	123.4	2.18	117.6	2.49

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	18.3	50.8	4.31	47.6	4.15	45.0	3.98	44.5	3.70	44.3	3.64	43.5	3.25
		35.6	52.6	4.41	49.2	4.24	46.6	4.07	46.1	3.78	45.9	3.72	45.0	3.33
		45.7	59.6	4.79	55.7	4.60	52.7	4.42	52.2	4.10	52.0	4.04	51.0	3.62
		57.2	65.8	5.15	61.5	4.97	58.4	4.77	57.7	4.44	57.5	4.36	56.3	3.89
	32	68.6	71.9	5.51	67.2	5.34	64.1	5.12	63.2	4.78	63.0	4.68	61.6	4.16
		18.3	90.9	6.32	83.7	6.09	78.1	5.83	76.6	5.42	75.5	5.35	72.7	4.78
		35.6	91.4	6.34	84.2	6.11	78.6	5.85	77.0	5.44	76.0	5.36	73.1	4.79
		45.7	93.5	6.41	86.1	6.17	80.5	5.93	78.8	5.50	77.7	5.42	74.7	4.83
	41	57.2	94.9	6.41	87.6	6.17	81.8	5.93	80.0	5.50	78.9	5.42	76.0	4.83
		68.6	96.3	6.41	89.1	6.17	83.1	5.93	81.2	5.50	80.1	5.42	77.3	4.83
		18.3	125.6	6.88	118.5	6.62	113.6	6.35	110.8	5.91	106.0	5.82	100.9	5.19
		35.6	125.9	6.91	118.7	6.66	113.6	6.38	110.8	5.94	106.0	5.85	100.9	5.21
	50	45.7	126.9	7.05	119.6	6.79	113.6	6.52	110.8	6.06	106.0	5.97	100.9	5.32
		57.2	126.9	7.11	119.4	6.84	113.6	6.56	110.8	6.11	106.0	6.00	100.9	5.36
		68.6	126.9	7.17	119.2	6.89	113.6	6.60	110.8	6.16	106.0	6.03	100.9	5.40
		18.3	126.3	6.32	118.9	6.05	113.6	5.76	110.8	5.38	106.0	5.28	100.9	4.73
	59	35.6	126.4	6.32	119.0	6.05	113.6	5.76	110.8	5.39	106.0	5.27	100.9	4.74
		45.7	126.9	6.32	119.6	6.05	113.6	5.76	110.8	5.46	106.0	5.26	100.9	4.79
		57.2	126.9	6.34	119.4	5.99	113.6	5.70	110.8	5.39	106.0	5.21	100.9	4.74
		68.6	126.9	6.36	119.2	5.93	113.6	5.64	110.8	5.32	106.0	5.16	100.9	4.69
	68	18.3	126.9	5.77	119.4	5.48	113.6	5.17	110.8	4.85	106.0	4.73	100.9	4.25
		35.6	126.9	5.73	119.4	5.44	113.6	5.14	110.8	4.85	106.0	4.70	100.9	4.25
		45.7	126.9	5.58	119.4	5.29	113.6	5.00	110.8	4.85	106.0	4.56	100.9	4.25
		57.2	126.9	5.58	119.4	5.14	113.6	4.85	110.8	4.70	106.0	4.41	100.9	4.12
	77	68.6	126.9	5.58	119.4	4.99	113.6	4.70	110.8	4.55	106.0	4.26	100.9	3.99
		18.3	126.9	5.04	119.4	4.73	113.6	4.45	110.8	4.29	106.0	4.16	100.9	3.85
		35.6	126.9	5.00	119.4	4.70	113.6	4.41	110.8	4.25	106.0	4.12	100.9	3.81
		45.7	126.9	4.85	119.4	4.56	113.6	4.25	110.8	4.12	106.0	3.97	100.9	3.68
	86	57.2	126.9	4.85	119.4	4.56	113.6	4.25	110.8	4.12	106.0	3.97	100.9	3.68
		68.6	126.9	4.85	119.4	4.56	113.6	4.25	110.8	4.12	106.0	3.97	100.9	3.68
		18.3	126.9	4.45	119.4	4.16	113.6	3.81	110.8	3.85	106.0	3.53	100.9	3.41
		35.6	126.9	4.41	119.4	4.12	113.6	3.81	110.8	3.81	106.0	3.53	100.9	3.37
	95	45.7	126.9	4.25	119.4	3.97	113.6	3.81	110.8	3.68	106.0	3.53	100.9	3.24
		57.2	126.9	4.25	119.4	3.97	113.6	3.68	110.8	3.68	106.0	3.53	100.9	3.24
		68.6	126.9	4.25	119.4	3.97	113.6	3.55	110.8	3.68	106.0	3.53	100.9	3.24
		18.3	126.9	4.00	119.4	3.72	113.6	3.56	110.8	3.41	106.0	3.27	100.9	3.12
	104	35.6	126.9	3.97	119.4	3.68	113.6	3.53	110.8	3.37	106.0	3.24	100.9	3.08
		45.7	126.9	3.81	119.4	3.53	113.6	3.37	110.8	3.24	106.0	3.08	100.9	2.93
		57.2	126.9	3.81	119.4	3.53	113.6	3.37	110.8	3.24	106.0	3.08	100.9	2.93
		68.6	126.9	3.81	119.4	3.53	113.6	3.37	110.8	3.24	106.0	3.08	100.9	2.93
	113	18.3	126.9	3.53	119.4	3.41	113.6	3.08	110.8	3.12	106.0	2.97	100.9	2.83
		35.6	126.9	3.53	119.4	3.37	113.6	3.08	110.8	3.08	106.0	2.93	100.9	2.80
		45.7	126.9	3.53	119.4	3.24	113.6	3.08	110.8	2.93	106.0	2.80	100.9	2.64
		57.2	126.9	3.53	119.4	3.24	113.6	2.93	110.8	2.93	106.0	2.80	100.9	2.64
	104	68.6	126.9	3.53	119.4	3.24	113.6	2.78	110.8	2.93	106.0	2.80	100.9	2.64
		18.3	126.9	3.24	119.4	3.12	113.6	2.80	110.8	2.83	106.0	2.68	100.9	2.49
		35.6	126.9	3.24	119.4	3.08	113.6	2.80	110.8	2.80	106.0	2.64	100.9	2.49
		45.7	126.9	3.24	119.4	2.93	113.6	2.80	110.8	2.64	106.0	2.49	100.9	2.49
	113	57.2	126.9	3.24	119.4	2.93	113.6	2.80	110.8	2.64	106.0	2.49	100.9	2.49
		68.6	126.9	3.24	119.4	2.93	113.6	2.80	110.8	2.64	106.0	2.49	100.9	2.49
		18.3	126.9	2.93	119.4	2.83	113.6	2.49	110.8	2.53	106.0	2.39	100.9	2.16
		35.6	126.9	2.93	119.4	2.80	113.6	2.49	110.8	2.49	106.0	2.36	100.9	2.20
	113	45.7	126.9	2.93	119.4	2.64	113.6	2.49	110.8	2.36	106.0	2.20	100.9	2.36
		57.2	126.9	2.93	119.4	2.64	113.6	2.64	110.8	2.36	106.0	2.20	100.9	2.36
		68.6	126.9	2.93	119.4	2.64	113.6	2.79	110.8	2.36	106.0	2.20	100.9	2.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM168BAS5

168,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	18.3	42.4	3.44	39.8	3.25	37.6	3.08	37.0	2.91	36.9	2.73	36.2	2.59
		35.6	43.8	3.51	41.1	3.33	38.9	3.15	38.3	2.98	38.2	2.80	37.4	2.64
		45.7	49.4	3.80	46.4	3.62	44.0	3.40	43.4	3.24	43.3	3.04	42.4	2.86
		57.2	54.7	4.10	51.3	3.89	48.5	3.68	48.0	3.49	47.6	3.27	46.9	3.08
		68.6	60.0	4.40	56.2	4.16	53.0	3.96	52.6	3.74	51.9	3.50	51.4	3.30
	32	18.3	75.5	5.03	69.9	4.78	65.0	4.50	63.6	4.27	62.7	4.02	60.5	3.79
		35.6	76.0	5.04	70.3	4.79	65.4	4.51	64.0	4.29	63.1	4.03	60.8	3.80
		45.7	77.7	5.09	71.9	4.83	67.0	4.57	65.6	4.35	64.7	4.07	62.2	3.84
		57.2	78.9	5.09	73.0	4.83	67.9	4.57	66.6	4.35	65.6	4.07	63.3	3.84
		68.6	80.1	5.09	74.1	4.83	68.8	4.57	67.6	4.35	66.5	4.07	64.4	3.84
	41	18.3	104.4	5.47	99.0	5.19	94.4	4.90	92.1	4.66	88.1	4.37	84.0	4.11
		35.6	104.6	5.50	99.2	5.21	94.4	4.92	92.1	4.68	88.1	4.39	84.0	4.13
		45.7	105.5	5.61	99.9	5.32	94.6	5.03	92.1	4.77	88.1	4.47	84.0	4.22
		57.2	105.5	5.65	99.7	5.36	94.6	5.06	92.1	4.80	88.1	4.51	84.0	4.25
		68.6	105.5	5.69	99.5	5.40	94.6	5.09	92.1	4.83	88.1	4.55	84.0	4.28
	50	18.3	105.0	5.04	99.2	4.74	94.4	4.46	92.1	4.26	88.1	3.94	84.0	3.76
		35.6	105.1	5.03	99.3	4.74	94.4	4.45	92.1	4.25	88.1	3.95	84.0	3.75
		45.7	105.5	5.00	99.9	4.73	94.6	4.42	92.1	4.22	88.1	4.00	84.0	3.72
		57.2	105.5	5.03	99.7	4.74	94.6	4.44	92.1	4.24	88.1	3.94	84.0	3.74
		68.6	105.5	5.06	99.5	4.75	94.6	4.46	92.1	4.26	88.1	3.88	84.0	3.76
	59	18.3	105.5	4.60	99.7	4.29	94.6	4.00	92.1	3.85	88.1	3.53	84.0	3.41
		35.6	105.5	4.56	99.7	4.25	94.6	3.97	92.1	3.81	88.1	3.53	84.0	3.37
		45.7	105.5	4.41	99.7	4.12	94.6	3.81	92.1	3.68	88.1	3.53	84.0	3.24
		57.2	105.5	4.41	99.7	4.12	94.6	3.81	92.1	3.68	88.1	3.37	84.0	3.24
		68.6	105.5	4.41	99.7	4.12	94.6	3.81	92.1	3.68	88.1	3.21	84.0	3.24
	68	18.3	105.5	4.00	99.7	3.72	94.6	3.56	92.1	3.41	88.1	3.27	84.0	2.93
		35.6	105.5	3.97	99.7	3.68	94.6	3.53	92.1	3.37	88.1	3.24	84.0	2.93
		45.7	105.5	3.81	99.7	3.53	94.6	3.37	92.1	3.24	88.1	3.08	84.0	2.93
		57.2	105.5	3.81	99.7	3.53	94.6	3.37	92.1	3.24	88.1	3.08	84.0	2.93
		68.6	105.5	3.81	99.7	3.53	94.6	3.37	92.1	3.24	88.1	3.08	84.0	2.93
	77	18.3	105.5	3.56	99.7	3.24	94.6	3.12	92.1	2.93	88.1	2.80	84.0	2.64
		35.6	105.5	3.53	99.7	3.24	94.6	3.08	92.1	2.93	88.1	2.80	84.0	2.64
		45.7	105.5	3.37	99.7	3.24	94.6	2.93	92.1	2.93	88.1	2.80	84.0	2.64
		57.2	105.5	3.37	99.7	3.24	94.6	2.93	92.1	2.93	88.1	2.80	84.0	2.64
		68.6	105.5	3.37	99.7	3.24	94.6	2.93	92.1	2.93	88.1	2.80	84.0	2.64
	86	18.3	105.5	3.27	99.7	2.97	94.6	2.83	92.1	2.64	88.1	2.68	84.0	2.53
		35.6	105.5	3.24	99.7	2.93	94.6	2.80	92.1	2.64	88.1	2.64	84.0	2.49
		45.7	105.5	3.08	99.7	2.80	94.6	2.64	92.1	2.64	88.1	2.49	84.0	2.36
		57.2	105.5	3.08	99.7	2.80	94.6	2.64	92.1	2.64	88.1	2.49	84.0	2.36
		68.6	105.5	3.08	99.7	2.80	94.6	2.64	92.1	2.64	88.1	2.49	84.0	2.36
	95	18.3	105.5	2.97	99.7	2.64	94.6	2.49	92.1	2.53	88.1	2.36	84.0	2.20
		35.6	105.5	2.93	99.7	2.64	94.6	2.49	92.1	2.49	88.1	2.36	84.0	2.20
		45.7	105.5	2.80	99.7	2.64	94.6	2.49	92.1	2.36	88.1	2.36	84.0	2.20
		57.2	105.5	2.80	99.7	2.64	94.6	2.49	92.1	2.36	88.1	2.36	84.0	2.20
		68.6	105.5	2.80	99.7	2.64	94.6	2.49	92.1	2.36	88.1	2.36	84.0	2.20
	104	18.3	105.5	2.68	99.7	2.53	94.6	2.39	92.1	2.20	88.1	2.24	84.0	2.05
		35.6	105.5	2.64	99.7	2.49	94.6	2.36	92.1	2.20	88.1	2.20	84.0	2.05
		45.7	105.5	2.49	99.7	2.36	94.6	2.20	92.1	2.20	88.1	2.05	84.0	2.05
		57.2	105.5	2.49	99.7	2.36	94.6	2.20	92.1	2.20	88.1	2.05	84.0	2.05
		68.6	105.5	2.49	99.7	2.36	94.6	2.20	92.1	2.20	88.1	2.05	84.0	2.05
	113	18.3	105.5	2.39	99.7	2.43	94.6	2.28	92.1	1.88	88.1	2.12	84.0	1.91
		35.6	105.5	2.36	99.7	2.36	94.6	2.20	92.1	1.91	88.1	2.05	84.0	1.91
		45.7	105.5	2.20	99.7	2.05	94.6	1.91	92.1	2.05	88.1	1.76	84.0	1.91
		57.2	105.5	2.20	99.7	2.05	94.6	1.91	92.1	2.05	88.1	1.76	84.0	1.91
		68.6	105.5	2.20	99.7	2.05	94.6	1.91	92.1	2.05	88.1	1.76	84.0	1.91

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
130	23	20.4	102.2	9.84	101.4	9.27	100.8	8.63	99.5	8.37	100.6	8.15	97.9	7.31
		35.6	105.7	10.01	104.9	9.45	104.3	8.81	102.9	8.55	104.1	8.33	101.3	7.47
		50.8	119.6	10.69	118.5	10.16	117.9	9.56	116.3	9.28	117.7	9.02	114.7	8.10
		63.6	132.2	11.37	131.0	10.86	130.2	10.30	128.6	10.03	130.2	9.74	126.8	8.73
		76.2	144.6	12.04	143.3	11.55	142.3	11.03	140.7	10.77	142.5	10.45	138.7	9.35
	32	20.4	182.5	13.46	178.4	13.06	174.6	12.63	170.8	12.28	171.4	11.94	163.5	10.69
		35.6	183.7	13.50	179.4	13.09	175.6	12.67	171.8	12.31	172.4	11.97	164.6	10.73
		50.8	188.1	13.64	183.4	13.22	179.6	12.82	175.8	12.46	176.4	12.10	168.6	10.86
		63.6	190.9	13.64	186.3	13.22	182.4	12.82	178.4	12.46	179.0	12.10	171.0	10.86
		76.2	193.7	13.64	189.2	13.22	185.2	12.82	181.0	12.46	181.6	12.10	173.4	10.86
	41	20.4	262.9	14.47	258.9	14.11	253.5	13.75	247.1	13.36	240.5	12.99	227.3	11.64
		35.6	263.8	14.53	259.4	14.18	253.6	13.82	247.1	13.43	240.5	13.06	227.3	11.70
		50.8	267.4	14.79	261.2	14.44	253.8	14.10	247.1	13.71	240.5	13.32	227.3	11.94
		63.6	269.0	14.89	262.0	14.53	253.8	14.19	247.1	13.80	240.5	13.42	227.3	12.02
		76.2	270.6	14.99	262.8	14.62	253.8	14.28	247.1	13.89	240.5	13.52	227.3	12.10
	50	20.4	263.3	13.16	259.0	12.72	252.8	12.48	246.1	12.20	239.6	11.79	226.3	10.64
		35.6	264.8	13.14	260.2	12.73	253.8	12.51	247.1	12.20	240.5	11.78	227.3	10.63
		50.8	271.1	13.04	265.0	12.78	257.8	12.60	251.2	12.18	244.1	11.75	230.9	10.60
		63.6	272.5	13.22	266.8	12.96	259.4	12.65	252.4	12.23	245.7	11.94	232.3	11.10
		76.2	273.9	13.40	268.6	13.14	261.0	12.70	253.6	12.28	247.3	12.13	233.7	11.59
	59	20.4	263.6	11.86	259.0	11.36	251.7	11.24	245.1	11.05	238.7	10.58	225.4	9.64
		35.6	265.8	11.75	261.0	11.31	253.8	11.21	247.1	10.97	240.5	10.50	227.3	9.56
		50.8	274.5	11.28	268.8	11.11	261.8	11.11	255.2	10.64	247.7	10.17	234.5	9.23
		63.6	275.9	11.55	271.5	11.37	265.0	11.11	257.8	10.64	251.2	10.47	237.3	10.17
		76.2	277.3	11.82	274.2	11.63	268.2	11.11	260.4	10.64	254.6	10.77	240.1	11.10
	68	20.4	273.7	10.88	268.7	10.38	261.6	10.15	254.4	9.83	247.0	9.61	232.3	9.31
		35.6	275.9	10.81	270.9	10.37	263.6	10.14	256.4	9.87	249.2	9.67	234.5	9.23
		50.8	284.5	10.50	279.5	10.34	271.7	10.11	264.4	10.03	257.8	9.93	243.1	8.93
		63.6	285.7	10.50	281.5	10.34	274.9	10.17	267.0	10.03	259.8	9.93	245.1	9.49
		76.2	286.9	10.50	283.5	10.34	278.1	10.23	269.6	10.03	261.8	9.93	247.1	10.04
	77	20.4	288.9	10.38	281.5	10.08	274.9	9.91	269.6	9.74	263.6	9.60	248.6	8.97
		35.6	288.9	10.34	281.5	10.06	274.9	9.87	269.6	9.70	263.6	9.56	248.6	8.93
		50.8	288.9	10.17	281.5	10.00	274.9	9.70	269.6	9.56	263.6	9.40	248.6	8.77
		63.6	288.9	10.03	281.5	9.74	274.9	9.56	269.6	9.40	263.6	9.23	248.6	8.62
		76.2	288.9	9.89	281.5	9.48	274.9	9.42	269.6	9.24	263.6	9.06	248.6	8.47
	86	20.4	288.9	10.11	281.5	9.61	274.9	9.52	269.6	9.27	263.6	9.17	248.6	8.54
		35.6	288.9	10.03	281.5	9.59	274.9	9.46	269.6	9.23	263.6	9.09	248.6	8.46
		50.8	288.9	9.70	281.5	9.53	274.9	9.23	269.6	9.09	263.6	8.77	248.6	8.15
		63.6	288.9	9.56	281.5	9.27	274.9	9.09	269.6	8.93	263.6	8.77	248.6	8.15
		76.2	288.9	9.42	281.5	9.01	274.9	8.95	269.6	8.77	263.6	8.77	248.6	8.15
	95	20.4	288.9	9.64	281.5	9.32	274.9	9.13	269.6	8.80	263.6	8.50	248.6	7.90
		35.6	288.9	9.56	281.5	9.27	274.9	9.09	269.6	8.77	263.6	8.46	248.6	7.83
		50.8	288.9	9.23	281.5	9.06	274.9	8.93	269.6	8.62	263.6	8.30	248.6	7.52
		63.6	288.9	9.23	281.5	8.96	274.9	8.77	269.6	8.46	263.6	8.15	248.6	7.52
		76.2	288.9	9.23	281.5	8.86	274.9	8.61	269.6	8.30	263.6	8.00	248.6	7.52
	104	20.4	288.9	9.31	281.5	9.02	274.9	8.84	269.6	8.54	263.6	8.23	248.6	7.43
		35.6	288.9	9.23	281.5	8.96	274.9	8.77	269.6	8.46	263.6	8.15	248.6	7.36
		50.8	288.9	8.93	281.5	8.73	274.9	8.46	269.6	8.15	263.6	7.83	248.6	7.05
		63.6	288.9	8.77	281.5	8.59	274.9	8.46	269.6	8.15	263.6	7.83	248.6	7.05
		76.2	288.9	8.61	281.5	8.45	274.9	8.46	269.6	8.15	263.6	7.83	248.6	7.05
	113	20.4	288.9	9.00	281.5	8.71	274.9	8.58	269.6	8.27	263.6	7.94	248.6	6.96
		35.6	288.9	8.93	281.5	8.65	274.9	8.46	269.6	8.15	263.6	7.83	248.6	6.89
		50.8	288.9	8.62	281.5	8.42	274.9	7.99	269.6	7.68	263.6	7.36	248.6	6.58
		63.6	288.9	8.30	281.5	8.21	274.9	8.15	269.6	7.83	263.6	7.52	248.6	6.58
		76.2	288.9	7.99	281.5	8.00	274.9	8.31	269.6	7.98	263.6	7.68	248.6	6.58

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM192BAS5

192,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
120	23	20.4	97.1	9.84	96.4	9.27	95.8	8.63	94.6	8.26	95.4	8.02	92.8	7.18
		35.6	100.5	10.01	99.7	9.45	99.1	8.81	97.9	8.44	98.7	8.20	96.0	7.34
		50.8	113.7	10.69	112.7	10.16	112.1	9.56	110.7	9.15	111.7	8.89	108.7	7.97
		63.6	125.6	11.37	124.6	10.86	123.8	10.30	122.4	9.88	123.4	9.59	120.0	8.59
		76.2	137.3	12.04	136.3	11.55	135.3	11.03	133.9	10.60	134.9	10.28	131.1	9.20
	32	20.4	173.6	13.46	169.4	13.06	165.8	12.63	162.4	12.10	162.4	11.76	155.0	10.51
		35.6	174.6	13.50	170.4	13.09	166.8	12.67	163.4	12.14	163.4	11.79	155.9	10.55
		50.8	178.6	13.64	174.4	13.22	170.8	12.82	167.2	12.28	167.2	11.92	159.7	10.68
		63.6	181.4	13.64	177.2	13.22	173.4	12.82	169.8	12.28	169.6	11.92	162.2	10.68
		76.2	184.2	13.64	180.0	13.22	176.0	12.82	172.4	12.28	172.0	11.92	164.7	10.68
	41	20.4	250.2	14.47	246.5	14.11	241.1	13.75	235.3	13.17	227.9	12.80	215.4	11.46
		35.6	251.2	14.53	246.9	14.18	241.1	13.82	235.3	13.24	227.9	12.86	215.4	11.52
		50.8	254.8	14.79	248.8	14.44	241.1	14.10	235.3	13.51	227.9	13.12	215.4	11.75
		63.6	256.2	14.89	247.3	14.53	241.1	14.19	235.3	13.61	227.9	13.22	215.4	11.83
		76.2	257.6	14.99	245.8	14.62	241.1	14.28	235.3	13.71	227.9	13.32	215.4	11.91
	50	20.4	251.2	13.00	246.5	12.64	240.5	12.38	234.6	12.01	227.2	11.61	214.8	10.44
		35.6	252.4	13.04	247.5	12.69	241.1	12.43	235.3	12.02	227.9	11.60	215.4	10.45
		50.8	257.0	13.22	251.6	12.88	243.7	12.60	237.9	12.09	230.3	11.57	217.6	10.50
		63.6	258.4	13.17	250.8	12.88	244.7	12.65	238.9	12.14	231.3	11.62	218.6	10.86
		76.2	259.8	13.12	250.0	12.88	245.7	12.70	239.9	12.19	232.3	11.67	219.6	11.21
	59	20.4	251.9	11.53	246.8	11.19	239.7	11.01	234.0	10.85	226.7	10.41	214.2	9.44
		35.6	253.4	11.55	248.3	11.21	241.1	11.03	235.3	10.81	227.9	10.34	215.4	9.40
		50.8	259.2	11.65	254.4	11.31	246.5	11.11	240.5	10.64	232.5	10.03	220.0	9.23
		63.6	260.6	11.47	254.2	11.21	248.6	11.11	242.5	10.64	234.5	10.03	222.0	9.87
		76.2	262.0	11.29	254.0	11.11	250.7	11.11	244.5	10.64	236.5	10.03	224.0	10.50
	68	20.4	258.9	10.37	254.1	9.93	246.4	9.66	239.6	9.52	231.8	9.41	219.3	8.93
		35.6	260.6	10.37	255.6	9.96	247.7	9.70	241.1	9.56	233.3	9.40	220.6	8.89
		50.8	267.2	10.37	261.6	10.11	253.2	9.87	247.1	9.70	239.1	9.36	225.8	8.77
		63.6	268.4	10.27	261.4	10.03	255.2	9.87	248.6	9.70	240.5	9.40	227.3	9.09
		76.2	269.6	10.17	261.2	9.95	257.2	9.87	250.1	9.70	241.9	9.44	228.8	9.41
	77	20.4	271.5	9.81	263.6	9.35	255.2	9.17	249.8	8.97	243.1	8.80	229.9	8.19
		35.6	271.7	9.77	263.6	9.33	255.2	9.15	249.8	8.93	243.1	8.77	229.9	8.15
		50.8	272.3	9.62	263.6	9.27	255.2	9.09	249.8	8.77	243.1	8.62	229.9	7.99
		63.6	273.1	9.27	263.6	9.02	255.2	8.93	249.8	8.77	243.1	8.46	229.9	7.99
		76.2	273.9	8.93	263.6	8.77	255.2	8.77	249.8	8.77	243.1	8.30	229.9	7.99
	86	20.4	273.1	9.38	263.6	8.92	255.2	8.66	249.8	8.33	243.1	8.23	229.9	7.56
		35.6	273.1	9.30	263.6	8.86	255.2	8.62	249.8	8.30	243.1	8.15	229.9	7.52
		50.8	273.1	8.99	263.6	8.65	255.2	8.46	249.8	8.15	243.1	7.83	229.9	7.36
		63.6	273.1	8.70	263.6	8.46	255.2	8.30	249.8	8.15	243.1	7.83	229.9	7.21
		76.2	273.1	8.41	263.6	8.27	255.2	8.14	249.8	8.15	243.1	7.83	229.9	7.06
	95	20.4	273.1	8.96	263.6	8.47	255.2	8.23	249.8	7.90	243.1	7.60	229.9	6.92
		35.6	273.1	8.83	263.6	8.39	255.2	8.15	249.8	7.83	243.1	7.52	229.9	6.89
		50.8	273.1	8.33	263.6	8.08	255.2	7.83	249.8	7.52	243.1	7.21	229.9	6.74
		63.6	273.1	8.23	263.6	8.02	255.2	7.83	249.8	7.52	243.1	7.21	229.9	6.58
		76.2	273.1	8.13	263.6	7.96	255.2	7.83	249.8	7.52	243.1	7.21	229.9	6.42
	104	20.4	273.1	8.69	263.6	8.08	255.2	7.76	249.8	7.43	243.1	7.13	229.9	6.45
		35.6	273.1	8.52	263.6	7.99	255.2	7.68	249.8	7.36	243.1	7.05	229.9	6.42
		50.8	273.1	7.86	263.6	7.61	255.2	7.36	249.8	7.05	243.1	6.74	229.9	6.27
		63.6	273.1	7.76	263.6	7.52	255.2	7.36	249.8	7.05	243.1	6.74	229.9	6.11
		76.2	273.1	7.66	263.6	7.43	255.2	7.36	249.8	7.05	243.1	6.74	229.9	5.95
	113	20.4	273.1	8.42	263.6	7.69	255.2	7.29	249.8	6.96	243.1	6.66	229.9	5.98
		35.6	273.1	8.21	263.6	7.58	255.2	7.21	249.8	6.89	243.1	6.58	229.9	5.95
		50.8	273.1	7.39	263.6	7.14	255.2	6.89	249.8	6.58	243.1	6.27	229.9	5.80
		63.6	273.1	7.29	263.6	7.02	255.2	6.89	249.8	6.58	243.1	6.27	229.9	5.64
		76.2	273.1	7.19	263.6	6.90	255.2	6.89	249.8	6.58	243.1	6.27	229.9	5.48

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
110	23	20.4	91.9	9.97	91.3	9.27	90.7	8.63	89.7	8.26	90.0	8.02	88.0	7.18
		35.6	95.0	10.14	94.4	9.45	93.8	8.81	92.8	8.44	93.0	8.20	91.0	7.34
		50.8	107.5	10.82	106.9	10.16	106.3	9.56	105.1	9.15	105.1	8.89	103.1	7.97
		63.6	118.7	11.52	117.9	10.86	117.3	10.30	116.1	9.88	116.1	9.59	113.7	8.59
		76.2	129.7	12.21	128.7	11.55	128.1	11.03	126.9	10.60	126.9	10.28	124.1	9.20
	32	20.4	164.2	13.64	160.6	13.06	157.2	12.63	154.2	12.10	152.8	11.76	147.0	10.51
		35.6	165.2	13.67	161.5	13.09	158.1	12.67	155.1	12.14	153.7	11.79	147.9	10.55
		50.8	169.0	13.80	165.4	13.22	161.7	12.82	158.7	12.28	157.3	11.92	151.3	10.68
		63.6	171.6	13.80	168.0	13.22	164.4	12.82	161.1	12.28	159.7	11.92	153.5	10.68
		76.2	174.2	13.80	170.6	13.22	167.1	12.82	163.5	12.28	162.1	11.92	155.7	10.68
	41	20.4	239.5	14.66	233.8	14.11	228.4	13.75	223.2	13.17	214.6	12.80	204.1	11.46
		35.6	240.3	14.73	234.3	14.18	228.5	13.82	223.2	13.24	214.6	12.86	204.1	11.52
		50.8	243.5	14.99	236.1	14.44	228.7	14.10	223.2	13.51	214.6	13.12	204.1	11.75
		63.6	244.9	15.08	236.7	14.53	228.7	14.19	223.2	13.61	214.6	13.22	204.1	11.83
		76.2	246.3	15.17	237.3	14.62	228.7	14.28	223.2	13.71	214.6	13.32	204.1	11.91
	50	20.4	240.4	13.15	234.5	12.70	228.1	12.42	222.9	12.01	214.2	11.61	203.9	10.44
		35.6	241.3	13.17	235.1	12.73	228.5	12.46	223.2	12.02	214.6	11.60	204.1	10.45
		50.8	244.9	13.27	237.5	12.88	229.9	12.60	224.6	12.09	216.0	11.57	205.1	10.50
		63.6	246.3	13.27	238.5	12.88	230.7	12.57	225.0	12.05	216.4	11.62	205.8	10.61
		76.2	247.7	13.27	239.5	12.88	231.5	12.54	225.4	12.01	216.8	11.67	206.5	10.72
	59	20.4	241.1	11.63	234.8	11.31	228.0	11.11	222.6	10.85	213.9	10.41	203.6	9.44
		35.6	242.1	11.62	235.7	11.31	228.7	11.11	223.2	10.81	214.6	10.34	204.1	9.40
		50.8	246.1	11.55	239.1	11.31	231.3	11.11	225.8	10.64	217.4	10.03	206.2	9.23
		63.6	247.5	11.47	240.3	11.21	232.5	10.97	226.6	10.50	218.0	10.03	207.4	9.40
		76.2	248.9	11.39	241.5	11.11	233.7	10.83	227.4	10.36	218.6	10.03	208.6	9.57
	68	20.4	245.6	10.04	238.9	9.80	231.2	9.56	225.0	9.40	216.7	9.13	205.3	8.54
		35.6	246.9	10.06	239.7	9.80	231.9	9.56	225.8	9.40	217.4	9.09	206.2	8.52
		50.8	252.2	10.14	242.9	9.80	234.5	9.56	229.3	9.40	220.0	8.93	209.4	8.46
		63.6	253.6	10.14	244.9	9.80	235.9	9.56	229.9	9.23	221.2	8.93	210.0	8.46
		76.2	255.0	10.14	246.9	9.80	237.3	9.56	230.5	9.06	222.4	8.93	210.6	8.46
	77	20.4	253.3	9.14	245.7	8.80	235.9	8.66	230.7	8.33	222.6	8.03	210.8	7.36
		35.6	253.8	9.12	245.7	8.77	235.9	8.62	230.7	8.30	222.6	7.99	210.8	7.36
		50.8	255.8	9.06	245.7	8.62	235.9	8.46	230.7	8.15	222.6	7.83	210.8	7.36
		63.6	257.0	9.06	245.7	8.65	235.9	8.30	230.7	8.15	222.6	7.68	210.8	7.21
		76.2	258.2	9.06	245.7	8.68	235.9	8.14	230.7	8.15	222.6	7.53	210.8	7.06
	86	20.4	257.0	8.33	245.7	8.03	235.9	7.72	230.7	7.56	222.6	7.09	210.8	6.62
		35.6	257.0	8.30	245.7	7.99	235.9	7.68	230.7	7.52	222.6	7.05	210.8	6.58
		50.8	257.0	8.15	245.7	7.83	235.9	7.52	230.7	7.36	222.6	6.89	210.8	6.42
		63.6	257.0	8.08	245.7	7.68	235.9	7.36	230.7	7.21	222.6	6.89	210.8	6.42
		76.2	257.0	8.01	245.7	7.53	235.9	7.20	230.7	7.06	222.6	6.89	210.8	6.42
	95	20.4	257.0	7.90	245.7	7.39	235.9	7.09	230.7	6.78	222.6	6.45	210.8	5.98
		35.6	257.0	7.83	245.7	7.36	235.9	7.05	230.7	6.74	222.6	6.42	210.8	5.95
		50.8	257.0	7.52	245.7	7.21	235.9	6.89	230.7	6.58	222.6	6.27	210.8	5.80
		63.6	257.0	7.32	245.7	7.05	235.9	6.74	230.7	6.58	222.6	6.27	210.8	5.80
		76.2	257.0	7.12	245.7	6.89	235.9	6.59	230.7	6.58	222.6	6.27	210.8	5.80
	104	20.4	257.0	7.43	245.7	7.13	235.9	6.66	230.7	6.31	222.6	5.98	210.8	5.51
		35.6	257.0	7.36	245.7	7.05	235.9	6.58	230.7	6.27	222.6	5.95	210.8	5.48
		50.8	257.0	7.05	245.7	6.74	235.9	6.27	230.7	6.11	222.6	5.80	210.8	5.33
		63.6	257.0	6.95	245.7	6.58	235.9	6.27	230.7	5.95	222.6	5.64	210.8	5.17
		76.2	257.0	6.85	245.7	6.42	235.9	6.27	230.7	5.79	222.6	5.48	210.8	5.01
	113	20.4	257.0	6.96	245.7	6.86	235.9	6.23	230.7	5.84	222.6	5.51	210.8	5.04
		35.6	257.0	6.89	245.7	6.74	235.9	6.11	230.7	5.80	222.6	5.48	210.8	5.01
		50.8	257.0	6.58	245.7	6.27	235.9	5.64	230.7	5.64	222.6	5.33	210.8	4.86
		63.6	257.0	6.58	245.7	6.11	235.9	5.80	230.7	5.33	222.6	5.01	210.8	4.54
		76.2	257.0	6.58	245.7	5.95	235.9	5.96	230.7	5.02	222.6	4.70	210.8	4.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM192BAS5

192,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
100	23	20.4	86.8	9.97	86.2	9.40	85.9	8.63	85.1	8.26	84.3	7.89	82.7	7.18
		35.6	89.8	10.14	89.2	9.58	88.8	8.81	88.0	8.44	87.2	8.07	85.6	7.34
		50.8	101.7	10.82	101.1	10.29	100.5	9.56	99.5	9.15	98.7	8.77	97.0	7.97
		63.6	112.3	11.52	111.5	11.00	110.9	10.30	109.9	9.88	109.1	9.45	107.1	8.59
		76.2	122.7	12.21	121.7	11.70	121.1	11.03	120.1	10.60	119.3	10.12	117.0	9.20
	32	20.4	155.2	13.64	151.8	13.24	148.6	12.63	146.0	12.10	143.4	11.58	138.4	10.51
		35.6	156.1	13.67	152.7	13.27	149.5	12.67	146.9	12.14	144.3	11.62	139.2	10.55
		50.8	159.7	13.80	156.3	13.40	152.9	12.82	150.3	12.28	147.7	11.75	142.5	10.68
		63.6	162.2	13.80	158.7	13.40	155.3	12.82	152.5	12.28	149.9	11.75	144.7	10.68
		76.2	164.7	13.80	161.1	13.40	157.7	12.82	154.7	12.28	152.1	11.75	146.9	10.68
	41	20.4	229.1	14.66	221.4	14.31	215.7	13.75	211.4	13.17	201.3	12.60	192.1	11.46
		35.6	229.9	14.73	221.8	14.37	215.8	13.82	211.4	13.24	201.3	12.67	192.1	11.52
		50.8	233.1	14.99	223.4	14.63	216.0	14.10	211.4	13.51	201.3	12.93	192.1	11.75
		63.6	234.5	15.08	224.0	14.73	216.0	14.19	211.4	13.61	201.3	13.01	192.1	11.83
		76.2	235.9	15.17	224.6	14.83	216.0	14.28	211.4	13.71	201.3	13.09	192.1	11.91
	50	20.4	230.3	13.11	222.1	12.82	216.0	12.42	211.4	12.01	201.3	11.41	192.1	10.44
		35.6	230.9	13.17	222.4	12.86	216.0	12.46	211.4	12.02	201.3	11.42	192.1	10.45
		50.8	233.1	13.42	223.6	13.03	216.0	12.60	211.4	12.09	201.3	11.47	192.1	10.50
		63.6	234.7	13.37	224.6	13.03	216.0	12.57	211.4	12.05	201.3	11.44	192.1	10.45
		76.2	236.3	13.32	225.6	13.03	216.0	12.54	211.4	12.01	201.3	11.41	192.1	10.40
	59	20.4	231.6	11.56	223.1	11.37	216.0	11.11	211.4	10.85	201.3	10.21	192.1	9.44
		35.6	231.9	11.62	223.2	11.37	216.0	11.11	211.4	10.81	201.3	10.17	192.1	9.40
		50.8	233.1	11.84	223.8	11.41	216.0	11.11	211.4	10.64	201.3	10.03	192.1	9.23
		63.6	235.1	11.65	225.0	11.31	216.0	10.97	211.4	10.50	201.3	9.87	192.1	9.09
		76.2	237.1	11.46	226.2	11.21	216.0	10.83	211.4	10.36	201.3	9.71	192.1	8.95
	68	20.4	232.8	9.89	224.3	9.63	216.0	9.40	211.4	9.27	201.3	8.66	192.1	8.23
		35.6	233.7	9.93	224.4	9.64	216.0	9.40	211.4	9.23	201.3	8.62	192.1	8.15
		50.8	237.1	10.11	225.0	9.67	216.0	9.40	211.4	9.09	201.3	8.46	192.1	7.83
		63.6	238.5	9.93	227.1	9.59	216.0	9.23	211.4	8.93	201.3	8.30	192.1	7.68
		76.2	239.9	9.75	229.2	9.51	216.0	9.06	211.4	8.77	201.3	8.14	192.1	7.53
	77	20.4	235.6	8.64	227.9	8.37	216.0	8.03	211.4	7.72	201.3	7.25	192.1	6.58
		35.6	236.5	8.65	227.9	8.33	216.0	7.99	211.4	7.68	201.3	7.21	192.1	6.58
		50.8	239.9	8.68	227.9	8.15	216.0	7.83	211.4	7.52	201.3	7.05	192.1	6.58
		63.6	241.1	8.49	227.9	8.08	216.0	7.68	211.4	7.36	201.3	7.05	192.1	6.42
		76.2	242.3	8.30	227.9	8.01	216.0	7.53	211.4	7.20	201.3	7.05	192.1	6.26
	86	20.4	241.1	7.86	227.9	7.25	216.0	6.76	211.4	6.62	201.3	6.11	192.1	5.84
		35.6	241.1	7.83	227.9	7.21	216.0	6.74	211.4	6.58	201.3	6.11	192.1	5.80
		50.8	241.1	7.68	227.9	7.05	216.0	6.68	211.4	6.42	201.3	6.11	192.1	5.64
		63.6	241.1	7.52	227.9	7.05	216.0	6.58	211.4	6.42	201.3	5.95	192.1	5.64
		76.2	241.1	7.36	227.9	7.05	216.0	6.48	211.4	6.42	201.3	5.79	192.1	5.64
	95	20.4	241.1	7.29	227.9	6.66	216.0	5.96	211.4	5.84	201.3	5.51	192.1	5.04
		35.6	241.1	7.21	227.9	6.58	216.0	5.95	211.4	5.80	201.3	5.48	192.1	5.01
		50.8	241.1	6.89	227.9	6.27	216.0	5.88	211.4	5.64	201.3	5.33	192.1	4.86
		63.6	241.1	6.89	227.9	6.27	216.0	5.80	211.4	5.64	201.3	5.33	192.1	4.86
		76.2	241.1	6.89	227.9	6.27	216.0	5.72	211.4	5.64	201.3	5.33	192.1	4.86
	104	20.4	241.1	6.82	227.9	6.19	216.0	5.35	211.4	5.21	201.3	4.90	192.1	4.57
		35.6	241.1	6.74	227.9	6.11	216.0	5.33	211.4	5.17	201.3	4.86	192.1	4.54
		50.8	241.1	6.42	227.9	5.80	216.0	5.27	211.4	5.01	201.3	4.70	192.1	4.39
		63.6	241.1	6.27	227.9	5.80	216.0	5.17	211.4	5.01	201.3	4.70	192.1	4.39
		76.2	241.1	6.12	227.9	5.80	216.0	5.07	211.4	5.01	201.3	4.70	192.1	4.39
	113	20.4	241.1	6.35	227.9	5.72	216.0	4.71	211.4	4.57	201.3	4.27	192.1	4.10
		35.6	241.1	6.27	227.9	5.64	216.0	4.70	211.4	4.54	201.3	4.23	192.1	4.07
		50.8	241.1	5.95	227.9	5.33	216.0	4.63	211.4	4.39	201.3	4.07	192.1	3.92
		63.6	241.1	5.64	227.9	5.33	216.0	4.54	211.4	4.39	201.3	4.07	192.1	3.92
		76.2	241.1	5.33	227.9	5.33	216.0	4.45	211.4	4.39	201.3	4.07	192.1	3.92

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
90	23	20.4	82.0	9.25	79.4	8.43	77.1	7.40	76.5	7.05	75.9	6.80	74.6	6.10
		35.6	84.8	9.41	82.2	8.59	79.8	7.57	79.2	7.21	78.6	6.95	77.2	6.24
		50.8	96.0	10.05	93.0	9.22	90.2	8.21	89.6	7.83	89.0	7.55	87.2	6.77
		63.6	106.1	10.68	102.7	9.87	99.7	8.86	98.9	8.44	98.3	8.13	96.4	7.31
	32	76.2	116.0	11.30	112.2	10.51	109.1	9.50	108.1	9.04	107.5	8.70	105.5	7.84
		20.4	146.6	12.60	139.8	11.83	133.4	10.86	131.5	10.36	129.2	9.97	124.4	8.95
		35.6	147.5	12.64	140.7	11.86	134.2	10.89	132.2	10.39	130.0	10.00	125.2	8.98
		50.8	150.9	12.77	143.9	11.99	137.4	11.00	135.2	10.50	133.0	10.11	128.2	9.07
		63.6	153.1	12.77	146.1	11.99	139.6	11.00	137.2	10.50	135.2	10.11	130.2	9.07
	41	76.2	155.3	12.77	148.3	11.99	141.8	11.00	139.2	10.50	137.4	10.11	132.2	9.07
		20.4	207.2	13.53	200.5	12.77	194.1	11.82	190.1	11.27	181.6	10.85	173.0	9.74
		35.6	207.4	13.59	200.3	12.83	194.1	11.88	190.1	11.33	181.6	10.90	173.0	9.79
		50.8	208.2	13.84	199.7	13.07	194.1	12.10	190.1	11.55	181.6	11.13	173.0	9.98
		63.6	209.4	13.92	200.3	13.16	194.1	12.20	190.1	11.63	181.6	11.21	173.0	10.06
	50	76.2	210.6	14.00	200.9	13.25	194.1	12.30	190.1	11.71	181.6	11.29	173.0	10.14
		20.4	208.3	11.95	201.2	11.36	194.1	10.70	190.1	10.26	181.6	9.84	173.0	8.87
		35.6	208.2	11.96	200.9	11.37	194.1	10.71	190.1	10.27	181.6	9.83	173.0	8.88
		50.8	207.8	11.99	199.9	11.42	194.1	10.76	190.1	10.32	181.6	9.80	173.0	8.91
	59	63.6	209.2	11.96	200.5	11.39	194.1	10.73	190.1	10.29	181.6	9.83	173.0	8.94
		76.2	210.6	11.93	201.1	11.36	194.1	10.70	190.1	10.26	181.6	9.86	173.0	8.97
		20.4	209.3	10.35	201.9	9.97	194.1	9.60	190.1	9.27	181.6	8.84	173.0	8.03
		35.6	209.0	10.30	201.5	9.93	194.1	9.56	190.1	9.23	181.6	8.77	173.0	7.99
	68	50.8	207.6	10.14	200.1	9.77	194.1	9.40	190.1	9.09	181.6	8.46	173.0	7.83
		63.6	209.0	10.00	200.7	9.62	194.1	9.23	190.1	8.93	181.6	8.46	173.0	7.83
		76.2	210.4	9.86	201.3	9.47	194.1	9.06	190.1	8.77	181.6	8.46	173.0	7.83
		20.4	210.6	8.73	202.7	8.48	194.1	8.19	190.1	7.86	181.6	7.60	173.0	7.13
	77	35.6	210.4	8.73	202.3	8.46	194.1	8.15	190.1	7.83	181.6	7.52	173.0	7.05
		50.8	209.6	8.73	200.7	8.36	194.1	7.99	190.1	7.68	181.6	7.21	173.0	6.74
		63.6	210.2	8.59	201.3	8.30	194.1	7.99	190.1	7.68	181.6	7.21	173.0	6.74
		76.2	210.8	8.45	201.9	8.24	194.1	7.99	190.1	7.68	181.6	7.21	173.0	6.74
	86	20.4	214.1	7.63	205.4	7.23	194.1	6.92	190.1	6.58	181.6	6.31	173.0	5.84
		35.6	214.6	7.61	205.4	7.21	194.1	6.89	190.1	6.58	181.6	6.27	173.0	5.80
		50.8	216.6	7.55	205.4	7.14	194.1	6.74	190.1	6.58	181.6	6.11	173.0	5.64
		63.6	217.4	7.36	205.4	6.98	194.1	6.74	190.1	6.42	181.6	6.11	173.0	5.64
	95	76.2	218.2	7.17	205.4	6.82	194.1	6.74	190.1	6.26	181.6	6.11	173.0	5.64
		20.4	217.4	6.92	205.4	6.45	194.1	5.98	190.1	5.84	181.6	5.51	173.0	5.01
		35.6	217.4	6.89	205.4	6.42	194.1	5.95	190.1	5.80	181.6	5.48	173.0	5.01
		50.8	217.4	6.74	205.4	6.27	194.1	5.80	190.1	5.64	181.6	5.33	173.0	5.01
	104	63.6	217.4	6.58	205.4	6.11	194.1	5.80	190.1	5.64	181.6	5.33	173.0	4.86
		76.2	217.4	6.42	205.4	5.95	194.1	5.80	190.1	5.64	181.6	5.33	173.0	4.71
		20.4	217.4	6.31	205.4	5.84	194.1	5.37	190.1	5.21	181.6	4.90	173.0	4.57
		35.6	217.4	6.27	205.4	5.80	194.1	5.33	190.1	5.17	181.6	4.86	173.0	4.54
	113	50.8	217.4	6.11	205.4	5.64	194.1	5.17	190.1	5.01	181.6	4.70	173.0	4.39
		63.6	217.4	5.95	205.4	5.48	194.1	5.01	190.1	4.86	181.6	4.70	173.0	4.39
		76.2	217.4	5.79	205.4	5.32	194.1	4.85	190.1	4.71	181.6	4.70	173.0	4.39
		20.4	217.4	5.88	205.4	5.37	194.1	4.74	190.1	4.57	181.6	4.43	173.0	4.10
		35.6	217.4	5.80	205.4	5.33	194.1	4.70	190.1	4.54	181.6	4.39	173.0	4.07
		50.8	217.4	5.48	205.4	5.17	194.1	4.54	190.1	4.39	181.6	4.23	173.0	3.92
		63.6	217.4	5.48	205.4	5.17	194.1	4.54	190.1	4.39	181.6	4.23	173.0	3.92
		76.2	217.4	5.48	205.4	5.17	194.1	4.54	190.1	4.39	181.6	4.23	173.0	3.92
		20.4	217.4	5.45	205.4	4.90	194.1	4.10	190.1	3.96	181.6	3.96	173.0	3.63
		35.6	217.4	5.33	205.4	4.86	194.1	4.07	190.1	3.92	181.6	3.92	173.0	3.60
		50.8	217.4	4.86	205.4	4.70	194.1	3.92	190.1	3.76	181.6	3.76	173.0	3.45
		63.6	217.4	5.01	205.4	4.86	194.1	4.07	190.1	3.92	181.6	3.76	173.0	3.45
		76.2	217.4	5.16	205.4	5.02	194.1	4.22	190.1	4.08	181.6	3.76	173.0	3.45

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFKCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM192BAS5

192,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]
80	23	20.4	77.5	6.59	72.7	6.34	68.8	6.07	68.0	5.87	67.6	5.60	66.2	5.16
		35.6	80.2	6.74	75.1	6.48	71.1	6.21	70.3	5.99	69.9	5.72	68.5	5.27
		50.8	90.6	7.32	85.0	7.03	80.4	6.72	79.6	6.50	79.2	6.21	77.6	5.70
		63.6	100.3	7.89	93.8	7.58	88.8	7.26	87.8	7.02	87.4	6.69	85.6	6.16
		76.2	109.8	8.45	102.5	8.12	97.1	7.79	95.9	7.53	95.5	7.16	93.5	6.61
	32	20.4	138.4	9.68	127.6	9.29	118.8	8.90	116.6	8.59	115.0	8.19	110.7	7.55
		35.6	139.2	9.70	128.4	9.32	119.6	8.93	117.3	8.62	115.7	8.21	111.3	7.57
		50.8	142.7	9.82	131.4	9.43	122.4	9.02	120.2	8.72	118.5	8.31	113.9	7.65
		63.6	144.7	9.82	133.4	9.43	124.4	9.02	122.0	8.72	120.4	8.31	115.7	7.65
		76.2	146.7	9.82	135.4	9.43	126.4	9.02	123.8	8.72	122.3	8.31	117.5	7.65
	41	20.4	191.5	10.52	180.7	10.13	172.7	9.67	169.0	9.35	161.7	8.91	153.7	8.20
		35.6	191.9	10.58	181.0	10.17	172.8	9.72	169.0	9.40	161.7	8.96	153.7	8.25
		50.8	193.5	10.81	182.4	10.37	173.0	9.93	169.0	9.59	161.7	9.14	153.7	8.42
		63.6	193.5	10.87	182.2	10.45	173.0	10.00	169.0	9.66	161.7	9.20	153.7	8.47
		76.2	193.5	10.93	182.0	10.53	173.0	10.07	169.0	9.73	161.7	9.26	153.7	8.52
	50	20.4	192.5	9.68	181.4	9.25	172.7	8.78	169.0	8.53	161.7	8.08	153.7	7.48
		35.6	192.7	9.67	181.6	9.23	172.8	8.78	169.0	8.54	161.7	8.08	153.7	7.49
		50.8	193.5	9.62	182.4	9.19	173.0	8.80	169.0	8.55	161.7	8.10	153.7	7.50
		63.6	193.5	9.59	182.2	9.22	173.0	8.83	169.0	8.51	161.7	8.05	153.7	7.45
		76.2	193.5	9.56	182.0	9.25	173.0	8.86	169.0	8.47	161.7	8.00	153.7	7.40
	59	20.4	193.5	8.84	182.2	8.37	173.0	7.86	169.0	7.72	161.7	7.25	153.7	6.78
		35.6	193.5	8.77	182.2	8.30	173.0	7.83	169.0	7.68	161.7	7.21	153.7	6.74
		50.8	193.5	8.46	182.2	7.99	173.0	7.68	169.0	7.52	161.7	7.05	153.7	6.58
		63.6	193.5	8.30	182.2	7.99	173.0	7.68	169.0	7.36	161.7	6.89	153.7	6.42
		76.2	193.5	8.14	182.2	7.99	173.0	7.68	169.0	7.20	161.7	6.73	153.7	6.26
	68	20.4	193.5	7.39	182.2	7.09	173.0	6.74	169.0	6.62	161.7	6.31	153.7	5.84
		35.6	193.5	7.36	182.2	7.05	173.0	6.74	169.0	6.58	161.7	6.27	153.7	5.80
		50.8	193.5	7.21	182.2	6.89	173.0	6.74	169.0	6.42	161.7	6.11	153.7	5.64
		63.6	193.5	7.05	182.2	6.74	173.0	6.58	169.0	6.42	161.7	5.95	153.7	5.64
		76.2	193.5	6.89	182.2	6.59	173.0	6.42	169.0	6.42	161.7	5.79	153.7	5.64
	77	20.4	193.5	6.62	182.2	6.15	173.0	5.80	169.0	5.68	161.7	5.37	153.7	5.04
		35.6	193.5	6.58	182.2	6.11	173.0	5.80	169.0	5.64	161.7	5.33	153.7	5.01
		50.8	193.5	6.42	182.2	5.95	173.0	5.80	169.0	5.48	161.7	5.17	153.7	4.86
		63.6	193.5	6.27	182.2	5.95	173.0	5.64	169.0	5.48	161.7	5.17	153.7	4.86
		76.2	193.5	6.12	182.2	5.95	173.0	5.48	169.0	5.48	161.7	5.17	153.7	4.86
	86	20.4	193.5	5.84	182.2	5.51	173.0	5.21	169.0	5.04	161.7	4.74	153.7	4.43
		35.6	193.5	5.80	182.2	5.48	173.0	5.17	169.0	5.01	161.7	4.70	153.7	4.39
		50.8	193.5	5.64	182.2	5.33	173.0	5.01	169.0	4.86	161.7	4.54	153.7	4.23
		63.6	193.5	5.64	182.2	5.33	173.0	5.01	169.0	4.86	161.7	4.54	153.7	4.23
		76.2	193.5	5.64	182.2	5.33	173.0	5.01	169.0	4.86	161.7	4.54	153.7	4.23
	95	20.4	193.5	5.37	182.2	5.04	173.0	4.57	169.0	4.39	161.7	4.27	153.7	3.92
		35.6	193.5	5.33	182.2	5.01	173.0	4.54	169.0	4.39	161.7	4.23	153.7	3.92
		50.8	193.5	5.17	182.2	4.86	173.0	4.39	169.0	4.39	161.7	4.07	153.7	3.92
		63.6	193.5	5.17	182.2	4.70	173.0	4.39	169.0	4.23	161.7	4.07	153.7	3.76
		76.2	193.5	5.17	182.2	4.54	173.0	4.39	169.0	4.07	161.7	4.07	153.7	3.60
	104	20.4	193.5	5.08	182.2	4.57	173.0	4.07	169.0	4.10	161.7	3.76	153.7	3.63
		35.6	193.5	5.01	182.2	4.54	173.0	4.07	169.0	4.07	161.7	3.76	153.7	3.60
		50.8	193.5	4.70	182.2	4.39	173.0	4.07	169.0	3.92	161.7	3.76	153.7	3.45
		63.6	193.5	4.70	182.2	4.39	173.0	3.92	169.0	3.92	161.7	3.76	153.7	3.45
		76.2	193.5	4.70	182.2	4.39	173.0	3.77	169.0	3.92	161.7	3.76	153.7	3.45
	113	20.4	193.5	4.82	182.2	4.10	173.0	3.56	169.0	3.84	161.7	3.25	153.7	3.37
		35.6	193.5	4.70	182.2	4.07	173.0	3.60	169.0	3.76	161.7	3.29	153.7	3.29
		50.8	193.5	4.23	182.2	3.92	173.0	3.76	169.0	3.45	161.7	3.45	153.7	2.98
		63.6	193.5	4.23	182.2	4.07	173.0	3.45	169.0	3.60	161.7	3.45	153.7	3.13
		76.2	193.5	4.23	182.2	4.22	173.0	3.14	169.0	3.75	161.7	3.45	153.7	3.28

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]
70	23	20.4	67.6	5.66	63.5	5.39	60.1	5.22	59.5	4.92	59.1	4.74	58.1	4.31
		35.6	69.9	5.78	65.7	5.51	62.1	5.33	61.5	5.02	61.1	4.84	60.1	4.41
		50.8	79.2	6.27	74.3	5.98	70.1	5.78	69.5	5.44	69.1	5.25	67.9	4.78
		63.6	87.6	6.77	82.2	6.45	77.6	6.24	77.0	5.87	76.4	5.67	74.9	5.15
		76.2	95.9	7.26	90.0	6.91	85.0	6.69	84.4	6.29	83.6	6.08	81.8	5.51
	32	20.4	121.1	8.29	111.9	7.90	103.9	7.64	102.1	7.19	100.5	6.95	96.9	6.32
		35.6	121.8	8.31	112.5	7.92	104.5	7.66	102.7	7.21	101.1	6.97	97.5	6.33
		50.8	124.6	8.41	115.1	8.00	106.9	7.76	105.1	7.29	103.5	7.05	99.7	6.40
		63.6	126.4	8.41	116.9	8.00	108.5	7.76	106.7	7.29	105.1	7.05	101.3	6.40
		76.2	128.2	8.41	118.7	8.00	110.1	7.76	108.3	7.29	106.7	7.05	102.9	6.40
	41	20.4	167.2	9.03	158.4	8.59	150.8	8.32	147.7	7.84	141.1	7.56	134.4	6.87
		35.6	167.6	9.07	158.7	8.64	150.9	8.36	147.7	7.87	141.1	7.60	134.4	6.90
		50.8	169.0	9.25	159.9	8.81	151.1	8.54	147.7	8.02	141.1	7.76	134.4	7.05
		63.6	169.0	9.32	159.7	8.88	151.1	8.60	147.7	8.08	141.1	7.81	134.4	7.10
		76.2	169.0	9.39	159.5	8.95	151.1	8.66	147.7	8.14	141.1	7.86	134.4	7.15
	50	20.4	168.0	8.31	159.0	7.86	151.1	7.57	147.7	7.14	141.1	6.85	134.4	6.27
		35.6	168.2	8.30	159.1	7.84	151.1	7.55	147.7	7.14	141.1	6.85	134.4	6.27
		50.8	169.0	8.23	159.7	7.78	151.1	7.49	147.7	7.14	141.1	6.85	134.4	6.27
		63.6	169.0	8.26	159.7	7.81	151.1	7.52	147.7	7.18	141.1	6.80	134.4	6.29
		76.2	169.0	8.29	159.7	7.84	151.1	7.55	147.7	7.22	141.1	6.75	134.4	6.31
	59	20.4	169.0	7.60	159.7	7.13	151.1	6.82	147.7	6.45	141.1	6.15	134.4	5.68
		35.6	169.0	7.52	159.7	7.05	151.1	6.74	147.7	6.42	141.1	6.11	134.4	5.64
		50.8	169.0	7.21	159.7	6.74	151.1	6.42	147.7	6.27	141.1	5.95	134.4	5.48
		63.6	169.0	7.21	159.7	6.74	151.1	6.42	147.7	6.27	141.1	5.80	134.4	5.48
		76.2	169.0	7.21	159.7	6.74	151.1	6.42	147.7	6.27	141.1	5.65	134.4	5.48
	68	20.4	169.0	6.31	159.7	5.98	151.1	5.84	147.7	5.68	141.1	5.37	134.4	5.04
		35.6	169.0	6.27	159.7	5.95	151.1	5.80	147.7	5.64	141.1	5.33	134.4	5.01
		50.8	169.0	6.11	159.7	5.80	151.1	5.64	147.7	5.48	141.1	5.17	134.4	4.86
		63.6	169.0	6.11	159.7	5.80	151.1	5.64	147.7	5.33	141.1	5.17	134.4	4.70
		76.2	169.0	6.11	159.7	5.80	151.1	5.64	147.7	5.18	141.1	5.17	134.4	4.54
	77	20.4	169.0	5.68	159.7	5.37	151.1	5.04	147.7	4.90	141.1	4.54	134.4	4.23
		35.6	169.0	5.64	159.7	5.33	151.1	5.01	147.7	4.86	141.1	4.54	134.4	4.23
		50.8	169.0	5.48	159.7	5.17	151.1	4.86	147.7	4.70	141.1	4.54	134.4	4.23
		63.6	169.0	5.33	159.7	5.01	151.1	4.86	147.7	4.70	141.1	4.39	134.4	4.23
		76.2	169.0	5.18	159.7	4.85	151.1	4.86	147.7	4.70	141.1	4.24	134.4	4.23
	86	20.4	169.0	5.04	159.7	4.74	151.1	4.43	147.7	4.23	141.1	4.10	134.4	3.76
		35.6	169.0	5.01	159.7	4.70	151.1	4.39	147.7	4.23	141.1	4.07	134.4	3.76
		50.8	169.0	4.86	159.7	4.54	151.1	4.23	147.7	4.23	141.1	3.92	134.4	3.76
		63.6	169.0	4.86	159.7	4.54	151.1	4.23	147.7	4.07	141.1	3.92	134.4	3.76
		76.2	169.0	4.86	159.7	4.54	151.1	4.23	147.7	3.91	141.1	3.92	134.4	3.76
	95	20.4	169.0	4.57	159.7	4.27	151.1	3.92	147.7	3.96	141.1	3.60	134.4	3.49
		35.6	169.0	4.54	159.7	4.23	151.1	3.92	147.7	3.92	141.1	3.60	134.4	3.45
		50.8	169.0	4.39	159.7	4.07	151.1	3.92	147.7	3.76	141.1	3.60	134.4	3.29
		63.6	169.0	4.39	159.7	4.07	151.1	3.76	147.7	3.76	141.1	3.60	134.4	3.29
		76.2	169.0	4.39	159.7	4.07	151.1	3.60	147.7	3.76	141.1	3.60	134.4	3.29
	104	20.4	169.0	4.27	159.7	3.96	151.1	3.63	147.7	3.45	141.1	3.29	134.4	3.16
		35.6	169.0	4.23	159.7	3.92	151.1	3.60	147.7	3.45	141.1	3.29	134.4	3.13
		50.8	169.0	4.07	159.7	3.76	151.1	3.45	147.7	3.45	141.1	3.29	134.4	2.98
		63.6	169.0	4.07	159.7	3.76	151.1	3.45	147.7	3.29	141.1	3.13	134.4	2.98
		76.2	169.0	4.07	159.7	3.76	151.1	3.45	147.7	3.13	141.1	2.97	134.4	2.98
	113	20.4	169.0	3.96	159.7	3.63	151.1	3.37	147.7	2.94	141.1	2.98	134.4	2.86
		35.6	169.0	3.92	159.7	3.60	151.1	3.29	147.7	2.98	141.1	2.98	134.4	2.82
		50.8	169.0	3.76	159.7	3.45	151.1	2.98	147.7	3.13	141.1	2.98	134.4	2.66
		63.6	169.0	3.76	159.7	3.45	151.1	3.13	147.7	2.82	141.1	2.66	134.4	2.66
		76.2	169.0	3.76	159.7	3.45	151.1	3.28	147.7	2.51	141.1	2.35	134.4	2.66

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM192BAS5

192,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
60	23	20.4	58.0	4.60	54.4	4.42	51.5	4.25	50.9	3.95	50.7	3.88	49.7	3.47
		35.6	60.1	4.70	56.3	4.52	53.2	4.34	52.6	4.03	52.4	3.97	51.4	3.55
		50.8	68.1	5.10	63.7	4.91	60.3	4.71	59.7	4.37	59.5	4.31	58.3	3.86
		63.6	75.1	5.49	70.3	5.30	66.7	5.09	65.9	4.73	65.7	4.65	64.3	4.15
		76.2	82.0	5.87	76.8	5.68	73.0	5.46	72.0	5.08	71.8	4.98	70.2	4.44
	32	20.4	103.9	6.74	95.7	6.50	89.3	6.22	87.5	5.78	86.3	5.70	83.1	5.09
		35.6	104.5	6.76	96.2	6.51	89.8	6.24	88.0	5.80	86.8	5.72	83.6	5.10
		50.8	106.9	6.84	98.5	6.58	92.0	6.32	90.0	5.87	88.8	5.78	85.4	5.15
		63.6	108.5	6.84	100.1	6.58	93.4	6.32	91.4	5.87	90.2	5.78	86.8	5.15
		76.2	110.1	6.84	101.7	6.58	94.8	6.32	92.8	5.87	91.6	5.78	88.2	5.15
	41	20.4	143.6	7.33	135.4	7.06	129.8	6.77	126.6	6.30	121.2	6.20	115.3	5.53
		35.6	143.9	7.37	135.6	7.10	129.8	6.80	126.6	6.33	121.2	6.24	115.3	5.56
		50.8	145.1	7.52	136.6	7.24	129.8	6.95	126.6	6.46	121.2	6.37	115.3	5.67
		63.6	145.1	7.58	136.4	7.29	129.8	7.00	126.6	6.51	121.2	6.40	115.3	5.72
		76.2	145.1	7.64	136.2	7.34	129.8	7.05	126.6	6.56	121.2	6.43	115.3	5.77
	50	20.4	144.3	6.74	135.9	6.45	129.8	6.14	126.6	5.74	121.2	5.63	115.3	5.04
		35.6	144.5	6.74	136.0	6.45	129.8	6.14	126.6	5.75	121.2	5.62	115.3	5.05
		50.8	145.1	6.74	136.6	6.45	129.8	6.14	126.6	5.82	121.2	5.61	115.3	5.10
		63.6	145.1	6.76	136.4	6.38	129.8	6.08	126.6	5.75	121.2	5.56	115.3	5.05
		76.2	145.1	6.78	136.2	6.31	129.8	6.02	126.6	5.68	121.2	5.51	115.3	5.00
	59	20.4	145.1	6.15	136.4	5.84	129.8	5.51	126.6	5.17	121.2	5.04	115.3	4.54
		35.6	145.1	6.11	136.4	5.80	129.8	5.48	126.6	5.17	121.2	5.01	115.3	4.54
		50.8	145.1	5.95	136.4	5.64	129.8	5.33	126.6	5.17	121.2	4.86	115.3	4.54
		63.6	145.1	5.95	136.4	5.48	129.8	5.17	126.6	5.01	121.2	4.70	115.3	4.39
		76.2	145.1	5.95	136.4	5.32	129.8	5.01	126.6	4.85	121.2	4.54	115.3	4.24
	68	20.4	145.1	5.37	136.4	5.04	129.8	4.74	126.6	4.57	121.2	4.43	115.3	4.10
		35.6	145.1	5.33	136.4	5.01	129.8	4.70	126.6	4.54	121.2	4.39	115.3	4.07
		50.8	145.1	5.17	136.4	4.86	129.8	4.54	126.6	4.39	121.2	4.23	115.3	3.92
		63.6	145.1	5.17	136.4	4.86	129.8	4.54	126.6	4.39	121.2	4.23	115.3	3.92
		76.2	145.1	5.17	136.4	4.86	129.8	4.54	126.6	4.39	121.2	4.23	115.3	3.92
	77	20.4	145.1	4.74	136.4	4.43	129.8	4.07	126.6	4.10	121.2	3.76	115.3	3.63
		35.6	145.1	4.70	136.4	4.39	129.8	4.07	126.6	4.07	121.2	3.76	115.3	3.60
		50.8	145.1	4.54	136.4	4.23	129.8	4.07	126.6	3.92	121.2	3.76	115.3	3.45
		63.6	145.1	4.54	136.4	4.23	129.8	3.92	126.6	3.92	121.2	3.76	115.3	3.45
		76.2	145.1	4.54	136.4	4.23	129.8	3.77	126.6	3.92	121.2	3.76	115.3	3.45
	86	20.4	145.1	4.27	136.4	3.96	129.8	3.80	126.6	3.63	121.2	3.49	115.3	3.33
		35.6	145.1	4.23	136.4	3.92	129.8	3.76	126.6	3.60	121.2	3.45	115.3	3.29
		50.8	145.1	4.07	136.4	3.76	129.8	3.60	126.6	3.45	121.2	3.29	115.3	3.13
		63.6	145.1	4.07	136.4	3.76	129.8	3.60	126.6	3.45	121.2	3.29	115.3	3.13
		76.2	145.1	4.07	136.4	3.76	129.8	3.60	126.6	3.45	121.2	3.29	115.3	3.13
	95	20.4	145.1	3.76	136.4	3.63	129.8	3.29	126.6	3.33	121.2	3.16	115.3	3.02
		35.6	145.1	3.76	136.4	3.60	129.8	3.29	126.6	3.29	121.2	3.13	115.3	2.98
		50.8	145.1	3.76	136.4	3.45	129.8	3.29	126.6	3.13	121.2	2.98	115.3	2.82
		63.6	145.1	3.76	136.4	3.45	129.8	3.13	126.6	3.13	121.2	2.98	115.3	2.82
		76.2	145.1	3.76	136.4	3.45	129.8	2.97	126.6	3.13	121.2	2.98	115.3	2.82
	104	20.4	145.1	3.45	136.4	3.33	129.8	2.98	126.6	3.02	121.2	2.86	115.3	2.66
		35.6	145.1	3.45	136.4	3.29	129.8	2.98	126.6	2.98	121.2	2.82	115.3	2.66
		50.8	145.1	3.45	136.4	3.13	129.8	2.98	126.6	2.82	121.2	2.66	115.3	2.66
		63.6	145.1	3.45	136.4	3.13	129.8	2.98	126.6	2.82	121.2	2.66	115.3	2.66
		76.2	145.1	3.45	136.4	3.13	129.8	2.98	126.6	2.82	121.2	2.66	115.3	2.66
	113	20.4	145.1	3.13	136.4	3.02	129.8	2.66	126.6	2.69	121.2	2.55	115.3	2.31
		35.6	145.1	3.13	136.4	2.98	129.8	2.66	126.6	2.66	121.2	2.51	115.3	2.35
		50.8	145.1	3.13	136.4	2.82	129.8	2.66	126.6	2.51	121.2	2.35	115.3	2.51
		63.6	145.1	3.13	136.4	2.82	129.8	2.82	126.6	2.51	121.2	2.35	115.3	2.51
		76.2	145.1	3.13	136.4	2.82	129.8	2.98	126.6	2.51	121.2	2.35	115.3	2.51

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
50	23	20.4	48.4	3.66	45.5	3.47	42.9	3.28	42.3	3.11	42.1	2.92	41.4	2.76
		35.6	50.0	3.74	47.0	3.55	44.4	3.35	43.8	3.18	43.6	2.98	42.8	2.82
		50.8	56.5	4.05	53.0	3.86	50.2	3.63	49.6	3.45	49.4	3.24	48.4	3.05
		63.6	62.5	4.37	58.7	4.15	55.5	3.92	54.9	3.73	54.5	3.48	53.6	3.29
		76.2	68.4	4.69	64.3	4.44	60.7	4.21	60.1	4.01	59.5	3.72	58.7	3.53
	32	20.4	86.3	5.37	79.9	5.09	74.3	4.80	72.7	4.55	71.7	4.28	69.1	4.04
		35.6	86.8	5.38	80.4	5.10	74.7	4.81	73.1	4.57	72.1	4.29	69.5	4.05
		50.8	88.8	5.43	82.2	5.15	76.6	4.88	74.9	4.63	73.9	4.34	71.1	4.10
		63.6	90.2	5.43	83.4	5.15	77.6	4.88	76.2	4.63	74.9	4.34	72.3	4.10
		76.2	91.6	5.43	84.6	5.15	78.6	4.88	77.5	4.63	75.9	4.34	73.5	4.10
	41	20.4	119.3	5.84	113.1	5.53	107.8	5.22	105.3	4.97	100.7	4.66	96.0	4.38
		35.6	119.6	5.87	113.3	5.56	107.9	5.25	105.3	4.99	100.7	4.68	96.0	4.41
		50.8	120.6	5.98	114.1	5.67	108.1	5.36	105.3	5.09	100.7	4.76	96.0	4.50
		63.6	120.6	6.03	113.9	5.72	108.1	5.40	105.3	5.12	100.7	4.81	96.0	4.54
		76.2	120.6	6.08	113.7	5.77	108.1	5.44	105.3	5.15	100.7	4.86	96.0	4.58
	50	20.4	120.1	5.37	113.4	5.06	107.8	4.76	105.3	4.54	100.7	4.20	96.0	4.01
		35.6	120.2	5.36	113.5	5.05	107.9	4.75	105.3	4.54	100.7	4.21	96.0	4.00
		50.8	120.6	5.33	114.1	5.04	108.1	4.71	105.3	4.50	100.7	4.26	96.0	3.97
		63.6	120.6	5.36	113.9	5.05	108.1	4.73	105.3	4.52	100.7	4.20	96.0	3.99
		76.2	120.6	5.39	113.7	5.06	108.1	4.75	105.3	4.54	100.7	4.14	96.0	4.01
	59	20.4	120.6	4.90	113.9	4.57	108.1	4.27	105.3	4.10	100.7	3.76	96.0	3.63
		35.6	120.6	4.86	113.9	4.54	108.1	4.23	105.3	4.07	100.7	3.76	96.0	3.60
		50.8	120.6	4.70	113.9	4.39	108.1	4.07	105.3	3.92	100.7	3.76	96.0	3.45
		63.6	120.6	4.70	113.9	4.39	108.1	4.07	105.3	3.92	100.7	3.60	96.0	3.45
		76.2	120.6	4.70	113.9	4.39	108.1	4.07	105.3	3.92	100.7	3.44	96.0	3.45
	68	20.4	120.6	4.27	113.9	3.96	108.1	3.80	105.3	3.63	100.7	3.49	96.0	3.13
		35.6	120.6	4.23	113.9	3.92	108.1	3.76	105.3	3.60	100.7	3.45	96.0	3.13
		50.8	120.6	4.07	113.9	3.76	108.1	3.60	105.3	3.45	100.7	3.29	96.0	3.13
		63.6	120.6	4.07	113.9	3.76	108.1	3.60	105.3	3.45	100.7	3.29	96.0	3.13
		76.2	120.6	4.07	113.9	3.76	108.1	3.60	105.3	3.45	100.7	3.29	96.0	3.13
	77	20.4	120.6	3.80	113.9	3.45	108.1	3.33	105.3	3.13	100.7	2.98	96.0	2.82
		35.6	120.6	3.76	113.9	3.45	108.1	3.29	105.3	3.13	100.7	2.98	96.0	2.82
		50.8	120.6	3.60	113.9	3.45	108.1	3.13	105.3	3.13	100.7	2.98	96.0	2.82
		63.6	120.6	3.60	113.9	3.45	108.1	3.13	105.3	3.13	100.7	2.98	96.0	2.82
		76.2	120.6	3.60	113.9	3.45	108.1	3.13	105.3	3.13	100.7	2.98	96.0	2.82
	86	20.4	120.6	3.49	113.9	3.16	108.1	3.02	105.3	2.82	100.7	2.86	96.0	2.69
		35.6	120.6	3.45	113.9	3.13	108.1	2.98	105.3	2.82	100.7	2.82	96.0	2.66
		50.8	120.6	3.29	113.9	2.98	108.1	2.82	105.3	2.82	100.7	2.66	96.0	2.51
		63.6	120.6	3.29	113.9	2.98	108.1	2.82	105.3	2.82	100.7	2.66	96.0	2.51
		76.2	120.6	3.29	113.9	2.98	108.1	2.82	105.3	2.82	100.7	2.66	96.0	2.51
	95	20.4	120.6	3.16	113.9	2.82	108.1	2.66	105.3	2.69	100.7	2.51	96.0	2.35
		35.6	120.6	3.13	113.9	2.82	108.1	2.66	105.3	2.66	100.7	2.51	96.0	2.35
		50.8	120.6	2.98	113.9	2.82	108.1	2.66	105.3	2.51	100.7	2.51	96.0	2.35
		63.6	120.6	2.98	113.9	2.82	108.1	2.66	105.3	2.51	100.7	2.51	96.0	2.35
		76.2	120.6	2.98	113.9	2.82	108.1	2.66	105.3	2.51	100.7	2.51	96.0	2.35
	104	20.4	120.6	2.86	113.9	2.69	108.1	2.55	105.3	2.35	100.7	2.39	96.0	2.19
		35.6	120.6	2.82	113.9	2.66	108.1	2.51	105.3	2.35	100.7	2.35	96.0	2.19
		50.8	120.6	2.66	113.9	2.51	108.1	2.35	105.3	2.35	100.7	2.19	96.0	2.19
		63.6	120.6	2.66	113.9	2.51	108.1	2.35	105.3	2.35	100.7	2.19	96.0	2.19
		76.2	120.6	2.66	113.9	2.51	108.1	2.35	105.3	2.35	100.7	2.19	96.0	2.19
	113	20.4	120.6	2.55	113.9	2.59	108.1	2.43	105.3	2.00	100.7	2.26	96.0	2.04
		35.6	120.6	2.51	113.9	2.51	108.1	2.35	105.3	2.04	100.7	2.19	96.0	2.04
		50.8	120.6	2.35	113.9	2.19	108.1	2.04	105.3	2.19	100.7	1.88	96.0	2.04
		63.6	120.6	2.35	113.9	2.19	108.1	2.04	105.3	2.19	100.7	1.88	96.0	2.04
		76.2	120.6	2.35	113.9	2.19	108.1	2.04	105.3	2.19	100.7	1.88	96.0	2.04

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRl Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahrldirectory.org](http://www.ahrldirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM216BAS5

216,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	22.4	115.0	11.36	114.1	10.70	113.4	9.96	111.9	9.67	113.2	9.41	110.1	8.44
		35.6	118.9	11.56	118.0	10.91	117.3	10.18	115.7	9.88	117.1	9.62	113.9	8.62
		55.8	134.5	12.35	133.4	11.73	132.7	11.04	130.9	10.72	132.5	10.42	129.1	9.35
		69.8	148.7	13.13	147.4	12.53	146.5	11.90	144.7	11.58	146.5	11.24	142.6	10.08
		83.7	162.1	13.87	160.6	13.28	159.5	12.71	157.7	12.39	159.7	12.01	155.3	10.77
	32	22.4	205.4	15.54	200.7	15.08	196.4	14.59	192.1	14.18	192.8	13.79	184.0	12.35
		35.6	206.6	15.58	201.9	15.12	197.6	14.63	193.3	14.22	193.9	13.83	185.1	12.38
		55.8	211.6	15.75	206.4	15.27	202.1	14.80	197.8	14.39	198.5	13.97	189.7	12.53
		69.8	214.7	15.75	209.5	15.27	205.3	14.80	200.7	14.39	201.4	13.97	192.4	12.53
		83.7	217.6	15.75	212.4	15.27	208.3	14.80	203.4	14.39	204.1	13.97	194.9	12.53
	41	22.4	295.8	16.71	291.3	16.29	285.2	15.88	278.0	15.43	270.6	15.00	255.7	13.44
		35.6	296.8	16.78	291.8	16.37	285.3	15.96	278.0	15.51	270.6	15.08	255.7	13.51
		55.8	300.9	17.08	293.9	16.67	285.5	16.28	278.0	15.83	270.6	15.38	255.7	13.79
		69.8	302.7	17.19	294.8	16.78	285.5	16.39	278.0	15.94	270.6	15.49	255.7	13.88
		83.7	304.4	17.29	295.6	16.88	285.5	16.49	278.0	16.04	270.6	15.59	255.7	13.96
	50	22.4	296.2	15.20	291.4	14.69	284.4	14.41	276.9	14.09	269.5	13.61	254.6	12.28
		35.6	297.9	15.17	292.7	14.70	285.5	14.44	278.0	14.09	270.6	13.60	255.7	12.27
		55.8	304.9	15.06	298.2	14.76	290.0	14.55	282.6	14.07	274.6	13.56	259.7	12.24
		69.8	306.5	15.27	300.2	14.97	291.8	14.61	283.9	14.12	276.5	13.79	261.3	12.82
		83.7	308.0	15.47	302.1	15.17	293.5	14.67	285.1	14.17	278.3	14.01	262.8	13.37
	59	22.4	296.6	13.70	291.4	13.11	283.2	12.97	275.8	12.76	268.5	12.22	253.6	11.13
		35.6	299.1	13.56	293.6	13.06	285.5	12.95	278.0	12.67	270.6	12.12	255.7	11.04
		55.8	308.8	13.02	302.5	12.83	294.5	12.83	287.1	12.29	278.7	11.75	263.8	10.66
		69.8	310.4	13.34	305.4	13.13	298.2	12.83	290.0	12.29	282.6	12.09	267.0	11.75
		83.7	311.9	13.64	308.1	13.41	301.7	12.83	292.7	12.29	286.3	12.41	270.0	12.78
	68	22.4	307.9	12.57	302.3	11.98	294.3	11.72	286.2	11.35	277.8	11.09	261.3	10.75
		35.6	310.4	12.48	304.7	11.97	296.6	11.71	288.4	11.39	280.3	11.17	263.8	10.66
		55.8	320.1	12.12	314.4	11.94	305.6	11.67	297.5	11.58	290.0	11.47	273.5	10.31
		69.8	321.4	12.12	316.7	11.94	309.2	11.75	300.4	11.58	292.3	11.47	275.8	10.96
		83.7	322.6	12.12	318.9	11.94	312.6	11.83	303.1	11.58	294.5	11.47	278.0	11.57
	77	22.4	325.1	11.98	316.7	11.64	309.2	11.44	303.4	11.25	296.6	11.09	279.6	10.36
		35.6	325.1	11.94	316.7	11.62	309.2	11.39	303.4	11.21	296.6	11.04	279.6	10.31
		55.8	325.1	11.75	316.7	11.54	309.2	11.21	303.4	11.04	296.6	10.85	279.6	10.12
		69.8	325.1	11.58	316.7	11.24	309.2	11.04	303.4	10.85	296.6	10.66	279.6	9.95
		83.7	325.1	11.42	316.7	10.96	309.2	10.88	303.4	10.67	296.6	10.48	279.6	9.79
	86	22.4	325.1	11.67	316.7	11.09	309.2	10.99	303.4	10.71	296.6	10.59	279.6	9.86
		35.6	325.1	11.58	316.7	11.08	309.2	10.93	303.4	10.66	296.6	10.50	279.6	9.77
		55.8	325.1	11.21	316.7	11.00	309.2	10.66	303.4	10.50	296.6	10.12	279.6	9.41
		69.8	325.1	11.04	316.7	10.70	309.2	10.50	303.4	10.31	296.6	10.12	279.6	9.41
		83.7	325.1	10.88	316.7	10.42	309.2	10.35	303.4	10.13	296.6	10.12	279.6	9.41
	95	22.4	325.1	11.13	316.7	10.76	309.2	10.54	303.4	10.16	296.6	9.81	279.6	9.13
		35.6	325.1	11.04	316.7	10.70	309.2	10.50	303.4	10.12	296.6	9.77	279.6	9.04
		55.8	325.1	10.66	316.7	10.46	309.2	10.31	303.4	9.95	296.6	9.58	279.6	8.68
		69.8	325.1	10.66	316.7	10.35	309.2	10.12	303.4	9.77	296.6	9.41	279.6	8.68
		83.7	325.1	10.66	316.7	10.25	309.2	9.94	303.4	9.60	296.6	9.25	279.6	8.68
	104	22.4	325.1	10.75	316.7	10.41	309.2	10.21	303.4	9.86	296.6	9.50	279.6	8.58
		35.6	325.1	10.66	316.7	10.35	309.2	10.12	303.4	9.77	296.6	9.41	279.6	8.49
		55.8	325.1	10.31	316.7	10.08	309.2	9.77	303.4	9.41	296.6	9.04	279.6	8.14
		69.8	325.1	10.12	316.7	9.92	309.2	9.77	303.4	9.41	296.6	9.04	279.6	8.14
		83.7	325.1	9.94	316.7	9.77	309.2	9.77	303.4	9.41	296.6	9.04	279.6	8.14
	113	22.4	325.1	10.40	316.7	10.06	309.2	9.90	303.4	9.55	296.6	9.17	279.6	8.04
		35.6	325.1	10.31	316.7	9.99	309.2	9.77	303.4	9.41	296.6	9.04	279.6	7.95
		55.8	325.1	9.95	316.7	9.73	309.2	9.22	303.4	8.87	296.6	8.49	279.6	7.60
		69.8	325.1	9.58	316.7	9.49	309.2	9.41	303.4	9.04	296.6	8.68	279.6	7.60
		83.7	325.1	9.23	316.7	9.26	309.2	9.59	303.4	9.20	296.6	8.86	279.6	7.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	22.4	109.3	11.36	108.4	10.70	107.7	9.96	106.4	9.54	107.3	9.26	104.5	8.29
		35.6	113.0	11.56	112.1	10.91	111.4	10.18	110.1	9.75	111.0	9.47	108.1	8.47
		55.8	127.9	12.35	126.8	11.73	126.1	11.04	124.6	10.57	125.7	10.27	122.3	9.20
		69.8	141.3	13.13	140.1	12.53	139.2	11.90	137.7	11.41	138.8	11.08	134.9	9.92
		83.7	153.9	13.87	152.6	13.28	151.6	12.71	150.1	12.20	151.2	11.84	146.8	10.60
	32	22.4	195.3	15.54	190.5	15.08	186.5	14.59	182.7	13.97	182.7	13.58	174.3	12.14
		35.6	196.4	15.58	191.7	15.12	187.6	14.63	183.8	14.01	183.8	13.62	175.4	12.18
		55.8	201.0	15.75	196.2	15.27	192.1	14.80	188.1	14.18	188.1	13.77	179.7	12.33
		69.8	204.1	15.75	199.4	15.27	195.1	14.80	191.0	14.18	190.8	13.77	182.4	12.33
		83.7	207.0	15.75	202.4	15.27	197.9	14.80	193.7	14.18	193.3	13.77	184.9	12.33
	41	22.4	281.5	16.71	277.3	16.29	271.3	15.88	264.7	15.20	256.3	14.78	242.3	13.24
		35.6	282.6	16.78	277.8	16.37	271.3	15.96	264.7	15.28	256.3	14.85	242.3	13.30
		55.8	286.6	17.08	279.8	16.67	271.3	16.28	264.7	15.60	256.3	15.15	242.3	13.56
		69.8	288.2	17.19	278.3	16.78	271.3	16.39	264.7	15.71	256.3	15.27	242.3	13.66
		83.7	289.7	17.29	276.9	16.88	271.3	16.49	264.7	15.81	256.3	15.38	242.3	13.75
	50	22.4	282.6	15.01	277.3	14.59	270.5	14.30	264.0	13.86	255.7	13.40	241.7	12.05
		35.6	283.9	15.06	278.5	14.65	271.3	14.35	264.7	13.88	256.3	13.40	242.3	12.07
		55.8	289.1	15.27	283.0	14.87	274.2	14.55	267.6	13.96	259.0	13.36	244.8	12.12
		69.8	290.7	15.21	282.1	14.87	275.3	14.61	268.8	14.01	260.2	13.41	245.9	12.53
		83.7	292.2	15.15	281.3	14.87	276.3	14.67	269.9	14.06	261.3	13.46	246.9	12.92
	59	22.4	283.4	13.31	277.7	12.92	269.7	12.72	263.2	12.53	255.0	12.03	241.0	10.90
		35.6	285.0	13.34	279.4	12.95	271.3	12.74	264.7	12.48	256.3	11.94	242.3	10.85
		55.8	291.6	13.45	286.2	13.06	277.4	12.83	270.6	12.29	261.5	11.58	247.5	10.66
		69.8	293.2	13.25	285.9	12.95	279.6	12.83	272.8	12.29	263.8	11.58	249.8	11.39
		83.7	294.7	13.06	285.6	12.85	281.7	12.83	274.9	12.29	266.0	11.58	252.0	12.08
	68	22.4	291.3	11.97	285.8	11.46	277.2	11.16	269.5	11.00	260.8	10.86	246.7	10.31
		35.6	293.2	11.97	287.5	11.51	278.7	11.21	271.3	11.04	262.4	10.85	248.2	10.27
		55.8	300.6	11.97	294.3	11.67	284.8	11.39	278.0	11.21	269.0	10.81	254.1	10.12
		69.8	302.0	11.86	294.1	11.58	287.1	11.39	279.6	11.21	270.6	10.85	255.7	10.50
		83.7	303.3	11.76	293.9	11.50	289.3	11.39	281.1	11.21	272.1	10.89	257.2	10.86
	77	22.4	305.4	11.32	296.6	10.79	287.1	10.59	281.0	10.36	273.5	10.16	258.6	9.46
		35.6	305.6	11.28	296.6	10.78	287.1	10.57	281.0	10.31	273.5	10.12	258.6	9.41
		55.8	306.3	11.11	296.6	10.70	287.1	10.50	281.0	10.12	273.5	9.95	258.6	9.22
		69.8	307.2	10.70	296.6	10.42	287.1	10.31	281.0	10.12	273.5	9.77	258.6	9.22
		83.7	308.0	10.31	296.6	10.16	287.1	10.13	281.0	10.12	273.5	9.60	258.6	9.22
	86	22.4	307.2	10.83	296.6	10.29	287.1	10.00	281.0	9.62	273.5	9.50	258.6	8.73
		35.6	307.2	10.74	296.6	10.23	287.1	9.95	281.0	9.58	273.5	9.41	258.6	8.68
		55.8	307.2	10.38	296.6	9.99	287.1	9.77	281.0	9.41	273.5	9.04	258.6	8.49
		69.8	307.2	10.05	296.6	9.77	287.1	9.58	281.0	9.41	273.5	9.04	258.6	8.33
		83.7	307.2	9.74	296.6	9.56	287.1	9.40	281.0	9.41	273.5	9.04	258.6	8.18
	95	22.4	307.2	10.34	296.6	9.78	287.1	9.50	281.0	9.13	273.5	8.77	258.6	7.99
		35.6	307.2	10.20	296.6	9.69	287.1	9.41	281.0	9.04	273.5	8.68	258.6	7.95
		55.8	307.2	9.62	296.6	9.34	287.1	9.04	281.0	8.68	273.5	8.33	258.6	7.78
		69.8	307.2	9.50	296.6	9.26	287.1	9.04	281.0	8.68	273.5	8.33	258.6	7.60
		83.7	307.2	9.39	296.6	9.18	287.1	9.04	281.0	8.68	273.5	8.33	258.6	7.43
	104	22.4	307.2	10.03	296.6	9.33	287.1	8.96	281.0	8.58	273.5	8.23	258.6	7.45
		35.6	307.2	9.84	296.6	9.22	287.1	8.87	281.0	8.49	273.5	8.14	258.6	7.41
		55.8	307.2	9.07	296.6	8.79	287.1	8.49	281.0	8.14	273.5	7.78	258.6	7.24
		69.8	307.2	8.96	296.6	8.68	287.1	8.49	281.0	8.14	273.5	7.78	258.6	7.05
		83.7	307.2	8.86	296.6	8.58	287.1	8.49	281.0	8.14	273.5	7.78	258.6	6.87
	113	22.4	307.2	9.73	296.6	8.88	287.1	8.42	281.0	8.04	273.5	7.69	258.6	6.91
		35.6	307.2	9.49	296.6	8.76	287.1	8.33	281.0	7.95	273.5	7.60	258.6	6.87
		55.8	307.2	8.53	296.6	8.25	287.1	7.95	281.0	7.60	273.5	7.24	258.6	6.70
		69.8	307.2	8.42	296.6	8.10	287.1	7.95	281.0	7.60	273.5	7.24	258.6	6.51
		83.7	307.2	8.32	296.6	7.96	287.1	7.95	281.0	7.60	273.5	7.24	258.6	6.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM216BAS5

216,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	22.4	103.4	11.51	102.7	10.70	102.0	9.96	101.0	9.54	101.2	9.26	99.0	8.29
		35.6	106.9	11.71	106.2	10.91	105.6	10.18	104.4	9.75	104.7	9.47	102.4	8.47
		55.8	120.9	12.50	120.3	11.73	119.6	11.04	118.2	10.57	118.2	10.27	116.0	9.20
		69.8	133.6	13.30	132.7	12.53	132.0	11.90	130.7	11.41	130.7	11.08	127.9	9.92
		83.7	145.6	14.05	144.4	13.28	143.7	12.71	142.5	12.20	142.5	11.84	139.1	10.60
	32	22.4	184.7	15.75	180.7	15.08	176.9	14.59	173.5	13.97	171.9	13.58	165.4	12.14
		35.6	185.8	15.79	181.7	15.12	177.9	14.63	174.5	14.01	172.9	13.62	166.4	12.18
		55.8	190.1	15.94	186.0	15.27	182.0	14.80	178.6	14.18	177.0	13.77	170.2	12.33
		69.8	193.0	15.94	189.0	15.27	184.9	14.80	181.3	14.18	179.7	13.77	172.7	12.33
		83.7	195.7	15.94	191.8	15.27	187.6	14.80	183.8	14.18	182.2	13.77	175.1	12.33
	41	22.4	269.4	16.93	263.1	16.29	257.0	15.88	251.1	15.20	241.4	14.78	229.7	13.24
		35.6	270.4	17.01	263.6	16.37	257.0	15.96	251.1	15.28	241.4	14.85	229.7	13.30
		55.8	274.0	17.30	265.6	16.67	257.2	16.28	251.1	15.60	241.4	15.15	229.7	13.56
		69.8	275.6	17.42	266.3	16.78	257.2	16.39	251.1	15.71	241.4	15.27	229.7	13.66
		83.7	277.1	17.53	267.0	16.88	257.2	16.49	251.1	15.81	241.4	15.38	229.7	13.75
	50	22.4	270.5	15.18	263.8	14.66	256.6	14.34	250.7	13.86	241.0	13.40	229.4	12.05
		35.6	271.5	15.21	264.5	14.70	257.0	14.39	251.1	13.88	241.4	13.40	229.7	12.07
		55.8	275.6	15.32	267.2	14.87	258.6	14.55	252.7	13.96	243.0	13.36	230.8	12.12
		69.8	277.1	15.32	268.3	14.87	259.5	14.52	253.2	13.92	243.5	13.41	231.5	12.25
		83.7	278.5	15.32	269.3	14.87	260.3	14.49	253.7	13.88	244.0	13.46	232.2	12.37
	59	22.4	271.2	13.43	264.2	13.06	256.5	12.83	250.4	12.53	240.6	12.03	229.1	10.90
		35.6	272.4	13.41	265.2	13.06	257.2	12.83	251.1	12.48	241.4	11.94	229.7	10.85
		55.8	276.9	13.34	269.0	13.06	260.2	12.83	254.1	12.29	244.6	11.58	231.9	10.66
		69.8	278.5	13.25	270.4	12.95	261.5	12.67	255.0	12.12	245.3	11.58	233.3	10.85
		83.7	280.0	13.17	271.7	12.85	262.7	12.52	255.8	11.96	246.0	11.58	234.6	11.03
	68	22.4	276.3	11.59	268.8	11.32	260.1	11.04	253.1	10.85	243.8	10.54	231.0	9.86
		35.6	277.8	11.62	269.7	11.32	260.9	11.04	254.1	10.85	244.6	10.50	231.9	9.84
		55.8	283.7	11.71	273.3	11.32	263.8	11.04	257.9	10.85	247.5	10.31	235.5	9.77
		69.8	285.3	11.71	275.6	11.32	265.4	11.04	258.6	10.66	248.9	10.31	236.2	9.77
		83.7	286.8	11.71	277.8	11.32	266.9	11.04	259.3	10.48	250.2	10.31	236.9	9.77
	77	22.4	284.9	10.55	276.5	10.16	265.4	10.00	259.5	9.62	250.5	9.27	237.1	8.49
		35.6	285.5	10.53	276.5	10.12	265.4	9.95	259.5	9.58	250.5	9.22	237.1	8.49
		55.8	287.8	10.46	276.5	9.95	265.4	9.77	259.5	9.41	250.5	9.04	237.1	8.49
		69.8	289.1	10.46	276.5	9.99	265.4	9.58	259.5	9.41	250.5	8.87	237.1	8.33
		83.7	290.3	10.46	276.5	10.03	265.4	9.40	259.5	9.41	250.5	8.71	237.1	8.18
	86	22.4	289.1	9.62	276.5	9.27	265.4	8.91	259.5	8.73	250.5	8.19	237.1	7.64
		35.6	289.1	9.58	276.5	9.22	265.4	8.87	259.5	8.68	250.5	8.14	237.1	7.60
		55.8	289.1	9.41	276.5	9.04	265.4	8.68	259.5	8.49	250.5	7.95	237.1	7.41
		69.8	289.1	9.34	276.5	8.87	265.4	8.49	259.5	8.33	250.5	7.95	237.1	7.41
		83.7	289.1	9.27	276.5	8.71	265.4	8.31	259.5	8.18	250.5	7.95	237.1	7.41
	95	22.4	289.1	9.13	276.5	8.54	265.4	8.19	259.5	7.83	250.5	7.45	237.1	6.91
		35.6	289.1	9.04	276.5	8.49	265.4	8.14	259.5	7.78	250.5	7.41	237.1	6.87
		55.8	289.1	8.68	276.5	8.33	265.4	7.95	259.5	7.60	250.5	7.24	237.1	6.70
		69.8	289.1	8.46	276.5	8.14	265.4	7.78	259.5	7.60	250.5	7.24	237.1	6.70
		83.7	289.1	8.25	276.5	7.96	265.4	7.62	259.5	7.60	250.5	7.24	237.1	6.70
	104	22.4	289.1	8.58	276.5	8.23	265.4	7.69	259.5	7.29	250.5	6.91	237.1	6.37
		35.6	289.1	8.49	276.5	8.14	265.4	7.60	259.5	7.24	250.5	6.87	237.1	6.32
		55.8	289.1	8.14	276.5	7.78	265.4	7.24	259.5	7.05	250.5	6.70	237.1	6.15
		69.8	289.1	8.03	276.5	7.60	265.4	7.24	259.5	6.87	250.5	6.51	237.1	5.97
		83.7	289.1	7.93	276.5	7.43	265.4	7.24	259.5	6.70	250.5	6.33	237.1	5.80
	113	22.4	289.1	8.04	276.5	7.92	265.4	7.19	259.5	6.74	250.5	6.37	237.1	5.82
		35.6	289.1	7.95	276.5	7.78	265.4	7.05	259.5	6.70	250.5	6.32	237.1	5.78
		55.8	289.1	7.60	276.5	7.24	265.4	6.51	259.5	6.51	250.5	6.15	237.1	5.61
		69.8	289.1	7.60	276.5	7.05	265.4	6.70	259.5	6.15	250.5	5.78	237.1	5.24
		83.7	289.1	7.60	276.5	6.87	265.4	6.88	259.5	5.81	250.5	5.43	237.1	4.89

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	22.4	97.7	11.51	97.0	10.85	96.6	9.96	95.8	9.54	94.8	9.11	93.0	8.29
		35.6	101.0	11.71	100.4	11.06	99.9	10.18	99.0	9.75	98.1	9.32	96.3	8.47
		55.8	114.4	12.50	113.7	11.88	113.0	11.04	111.9	10.57	111.0	10.12	109.2	9.20
		69.8	126.4	13.30	125.5	12.70	124.8	11.90	123.6	11.41	122.7	10.91	120.5	9.92
		83.7	137.7	14.05	136.6	13.47	135.9	12.71	134.6	12.20	133.7	11.65	131.2	10.60
	32	22.4	174.6	15.75	170.8	15.28	167.2	14.59	164.3	13.97	161.3	13.38	155.7	12.14
		35.6	175.6	15.79	171.8	15.32	168.2	14.63	165.2	14.01	162.3	13.41	156.7	12.18
		55.8	179.7	15.94	175.9	15.47	172.0	14.80	169.1	14.18	166.1	13.56	160.3	12.33
		69.8	182.4	15.94	178.6	15.47	174.7	14.80	171.6	14.18	168.6	13.56	162.8	12.33
		83.7	184.9	15.94	181.1	15.47	177.2	14.80	174.0	14.18	171.0	13.56	165.2	12.33
	41	22.4	257.7	16.93	249.1	16.52	242.7	15.88	237.8	15.20	226.5	14.55	216.1	13.24
		35.6	258.6	17.01	249.6	16.59	242.8	15.96	237.8	15.28	226.5	14.63	216.1	13.30
		55.8	262.2	17.30	251.4	16.89	243.0	16.28	237.8	15.60	226.5	14.93	216.1	13.56
		69.8	263.8	17.42	252.0	17.01	243.0	16.39	237.8	15.71	226.5	15.02	216.1	13.66
		83.7	265.3	17.53	252.6	17.12	243.0	16.49	237.8	15.81	226.5	15.10	216.1	13.75
	50	22.4	259.1	15.14	249.9	14.81	243.0	14.34	237.8	13.86	226.5	13.18	216.1	12.05
		35.6	259.7	15.21	250.2	14.85	243.0	14.39	237.8	13.88	226.5	13.19	216.1	12.07
		55.8	262.2	15.49	251.6	15.04	243.0	14.55	237.8	13.96	226.5	13.25	216.1	12.12
		69.8	264.0	15.43	252.7	15.04	243.0	14.52	237.8	13.92	226.5	13.21	216.1	12.07
		83.7	265.7	15.37	253.7	15.04	243.0	14.49	237.8	13.88	226.5	13.17	216.1	12.02
	59	22.4	260.5	13.35	251.0	13.12	243.0	12.83	237.8	12.53	226.5	11.79	216.1	10.90
		35.6	260.9	13.41	251.1	13.13	243.0	12.83	237.8	12.48	226.5	11.75	216.1	10.85
		55.8	262.2	13.68	251.8	13.17	243.0	12.83	237.8	12.29	226.5	11.58	216.1	10.66
		69.8	264.5	13.45	253.2	13.06	243.0	12.67	237.8	12.12	226.5	11.39	216.1	10.50
		83.7	266.7	13.23	254.5	12.96	243.0	12.52	237.8	11.96	226.5	11.21	216.1	10.35
	68	22.4	261.9	11.42	252.3	11.12	243.0	10.85	237.8	10.71	226.5	10.00	216.1	9.50
		35.6	262.9	11.47	252.5	11.13	243.0	10.85	237.8	10.66	226.5	9.95	216.1	9.41
		55.8	266.7	11.67	253.2	11.17	243.0	10.85	237.8	10.50	226.5	9.77	216.1	9.04
		69.8	268.3	11.47	255.4	11.08	243.0	10.66	237.8	10.31	226.5	9.58	216.1	8.87
		83.7	269.8	11.28	257.5	11.00	243.0	10.48	237.8	10.13	226.5	9.40	216.1	8.71
	77	22.4	265.1	9.98	256.3	9.67	243.0	9.27	237.8	8.91	226.5	8.37	216.1	7.60
		35.6	266.1	9.99	256.3	9.62	243.0	9.22	237.8	8.87	226.5	8.33	216.1	7.60
		55.8	269.9	10.03	256.3	9.41	243.0	9.04	237.8	8.68	226.5	8.14	216.1	7.60
		69.8	271.3	9.80	256.3	9.34	243.0	8.87	237.8	8.49	226.5	8.14	216.1	7.41
		83.7	272.6	9.58	256.3	9.27	243.0	8.71	237.8	8.31	226.5	8.14	216.1	7.23
	86	22.4	271.3	9.08	256.3	8.37	243.0	7.80	237.8	7.64	226.5	7.05	216.1	6.74
		35.6	271.3	9.04	256.3	8.33	243.0	7.78	237.8	7.60	226.5	7.05	216.1	6.70
		55.8	271.3	8.87	256.3	8.14	243.0	7.71	237.8	7.41	226.5	7.05	216.1	6.51
		69.8	271.3	8.68	256.3	8.14	243.0	7.60	237.8	7.41	226.5	6.87	216.1	6.51
		83.7	271.3	8.50	256.3	8.14	243.0	7.50	237.8	7.41	226.5	6.70	216.1	6.51
	95	22.4	271.3	8.42	256.3	7.69	243.0	6.88	237.8	6.74	226.5	6.37	216.1	5.82
		35.6	271.3	8.33	256.3	7.60	243.0	6.87	237.8	6.70	226.5	6.32	216.1	5.78
		55.8	271.3	7.95	256.3	7.24	243.0	6.79	237.8	6.51	226.5	6.15	216.1	5.61
		69.8	271.3	7.95	256.3	7.24	243.0	6.70	237.8	6.51	226.5	6.15	216.1	5.61
		83.7	271.3	7.95	256.3	7.24	243.0	6.62	237.8	6.51	226.5	6.15	216.1	5.61
	104	22.4	271.3	7.88	256.3	7.14	243.0	6.17	237.8	6.02	226.5	5.66	216.1	5.28
		35.6	271.3	7.78	256.3	7.05	243.0	6.15	237.8	5.97	226.5	5.61	216.1	5.24
		55.8	271.3	7.41	256.3	6.70	243.0	6.08	237.8	5.78	226.5	5.43	216.1	5.07
		69.8	271.3	7.24	256.3	6.70	243.0	5.97	237.8	5.78	226.5	5.43	216.1	5.07
		83.7	271.3	7.08	256.3	6.70	243.0	5.87	237.8	5.78	226.5	5.43	216.1	5.07
	113	22.4	271.3	7.33	256.3	6.60	243.0	5.44	237.8	5.28	226.5	4.93	216.1	4.74
		35.6	271.3	7.24	256.3	6.51	243.0	5.43	237.8	5.24	226.5	4.88	216.1	4.70
		55.8	271.3	6.87	256.3	6.15	243.0	5.35	237.8	5.07	226.5	4.70	216.1	4.53
		69.8	271.3	6.51	256.3	6.15	243.0	5.24	237.8	5.07	226.5	4.70	216.1	4.53
		83.7	271.3	6.17	256.3	6.15	243.0	5.14	237.8	5.07	226.5	4.70	216.1	4.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM216BAS5

216,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	22.4	92.2	10.69	89.4	9.73	86.8	8.55	86.1	8.15	85.4	7.85	83.9	7.05
		35.6	95.4	10.87	92.5	9.92	89.7	8.74	89.1	8.33	88.4	8.03	86.8	7.20
		55.8	108.1	11.60	104.7	10.64	101.5	9.49	100.8	9.04	100.1	8.72	98.1	7.82
		69.8	119.4	12.33	115.5	11.39	112.1	10.23	111.2	9.75	110.5	9.39	108.5	8.44
	32	83.7	130.1	13.02	125.7	12.10	122.1	10.93	121.0	10.42	120.3	10.02	118.3	9.02
		22.4	164.9	14.55	157.3	13.66	150.1	12.54	147.9	11.96	145.4	11.51	140.0	10.34
		35.6	165.9	14.59	158.2	13.69	151.0	12.57	148.7	11.99	146.3	11.54	140.8	10.36
		55.8	169.8	14.74	161.8	13.84	154.6	12.70	152.1	12.12	149.6	11.67	144.2	10.48
	41	69.8	172.2	14.74	164.3	13.84	157.1	12.70	154.4	12.12	152.1	11.67	146.5	10.48
		83.7	174.5	14.74	166.7	13.84	159.5	12.70	156.6	12.12	154.5	11.67	148.7	10.48
		22.4	233.1	15.63	225.5	14.75	218.4	13.65	213.8	13.01	204.3	12.52	194.6	11.24
		35.6	233.3	15.70	225.4	14.82	218.4	13.71	213.8	13.08	204.3	12.59	194.6	11.30
	50	55.8	234.2	15.98	224.7	15.10	218.4	13.97	213.8	13.34	204.3	12.85	194.6	11.52
		69.8	235.5	16.07	225.4	15.19	218.4	14.09	213.8	13.43	204.3	12.95	194.6	11.62
		83.7	236.7	16.15	226.1	15.27	218.4	14.20	213.8	13.51	204.3	13.04	194.6	11.71
		22.4	234.3	13.80	226.3	13.12	218.4	12.35	213.8	11.85	204.3	11.37	194.6	10.24
	59	35.6	234.2	13.81	226.0	13.13	218.4	12.37	213.8	11.86	204.3	11.36	194.6	10.25
		55.8	233.7	13.84	224.9	13.19	218.4	12.42	213.8	11.92	204.3	11.32	194.6	10.29
		69.8	235.3	13.81	225.6	13.15	218.4	12.38	213.8	11.88	204.3	11.36	194.6	10.33
		83.7	236.8	13.78	226.3	13.11	218.4	12.34	213.8	11.84	204.3	11.40	194.6	10.37
	68	22.4	235.5	11.95	227.1	11.52	218.4	11.09	213.8	10.71	204.3	10.21	194.6	9.27
		35.6	235.1	11.90	226.7	11.47	218.4	11.04	213.8	10.66	204.3	10.12	194.6	9.22
		55.8	233.5	11.71	225.1	11.28	218.4	10.85	213.8	10.50	204.3	9.77	194.6	9.04
		69.8	235.1	11.54	225.8	11.11	218.4	10.66	213.8	10.31	204.3	9.77	194.6	9.04
	77	83.7	236.6	11.38	226.5	10.95	218.4	10.48	213.8	10.13	204.3	9.77	194.6	9.04
		22.4	236.9	10.08	228.1	9.79	218.4	9.46	213.8	9.08	204.3	8.77	194.6	8.23
		35.6	236.7	10.08	227.6	9.77	218.4	9.41	213.8	9.04	204.3	8.68	194.6	8.14
		55.8	235.8	10.08	225.8	9.65	218.4	9.22	213.8	8.87	204.3	8.33	194.6	7.78
	86	69.8	236.4	9.92	226.5	9.58	218.4	9.22	213.8	8.87	204.3	8.33	194.6	7.78
		83.7	237.0	9.77	227.2	9.51	218.4	9.22	213.8	8.87	204.3	8.33	194.6	7.78
		22.4	240.8	8.81	231.0	8.34	218.4	7.99	213.8	7.60	204.3	7.29	194.6	6.74
		35.6	241.4	8.79	231.0	8.33	218.4	7.95	213.8	7.60	204.3	7.24	194.6	6.70
	95	55.8	243.7	8.72	231.0	8.25	218.4	7.78	213.8	7.60	204.3	7.05	194.6	6.51
		69.8	244.6	8.49	231.0	8.06	218.4	7.78	213.8	7.41	204.3	7.05	194.6	6.51
		83.7	245.4	8.27	231.0	7.88	218.4	7.78	213.8	7.23	204.3	7.05	194.6	6.51
		22.4	244.6	7.99	231.0	7.45	218.4	6.91	213.8	6.74	204.3	6.37	194.6	5.78
	104	35.6	244.6	7.95	231.0	7.41	218.4	6.87	213.8	6.70	204.3	6.32	194.6	5.78
		55.8	244.6	7.78	231.0	7.24	218.4	6.70	213.8	6.51	204.3	6.15	194.6	5.78
		69.8	244.6	7.60	231.0	7.05	218.4	6.70	213.8	6.51	204.3	6.15	194.6	5.61
		83.7	244.6	7.43	231.0	6.87	218.4	6.70	213.8	6.51	204.3	6.15	194.6	5.45
	113	22.4	244.6	7.29	231.0	6.74	218.4	6.20	213.8	6.02	204.3	5.66	194.6	5.28
		35.6	244.6	7.24	231.0	6.70	218.4	6.15	213.8	5.97	204.3	5.61	194.6	5.24
		55.8	244.6	7.05	231.0	6.51	218.4	5.97	213.8	5.78	204.3	5.43	194.6	5.07
		69.8	244.6	6.87	231.0	6.32	218.4	5.78	213.8	5.61	204.3	5.43	194.6	5.07
	104	83.7	244.6	6.70	231.0	6.14	218.4	5.60	213.8	5.45	204.3	5.43	194.6	5.07
		22.4	244.6	6.79	231.0	6.20	218.4	5.47	213.8	5.28	204.3	5.12	194.6	4.74
		35.6	244.6	6.70	231.0	6.15	218.4	5.43	213.8	5.24	204.3	5.07	194.6	4.70
		55.8	244.6	6.32	231.0	5.97	218.4	5.24	213.8	5.07	204.3	4.88	194.6	4.53
	113	69.8	244.6	6.32	231.0	5.97	218.4	5.24	213.8	5.07	204.3	4.88	194.6	4.53
		83.7	244.6	6.32	231.0	5.97	218.4	5.24	213.8	5.07	204.3	4.88	194.6	4.53
		22.4	244.6	6.29	231.0	5.66	218.4	4.74	213.8	4.57	204.3	4.57	194.6	4.20
		35.6	244.6	6.15	231.0	5.61	218.4	4.70	213.8	4.53	204.3	4.53	194.6	4.15
	113	55.8	244.6	5.61	231.0	5.43	218.4	4.53	213.8	4.34	204.3	4.34	194.6	3.98
		69.8	244.6	5.78	231.0	5.61	218.4	4.70	213.8	4.53	204.3	4.34	194.6	3.98
	113	83.7	244.6	5.94	231.0	5.78	218.4	4.86	213.8	4.71	204.3	4.34	194.6	3.98

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	22.4	87.2	7.61	81.7	7.32	77.4	7.01	76.5	6.78	76.0	6.46	74.5	5.95
		35.6	90.2	7.78	84.5	7.48	80.0	7.17	79.1	6.92	78.7	6.60	77.1	6.08
		55.8	101.9	8.46	95.6	8.12	90.4	7.76	89.5	7.50	89.1	7.17	87.3	6.59
		69.8	112.8	9.11	105.6	8.76	99.9	8.38	98.8	8.10	98.3	7.73	96.3	7.11
		83.7	123.1	9.72	115.0	9.36	108.9	8.96	107.6	8.67	107.0	8.26	104.8	7.60
	32	22.4	155.7	11.17	143.6	10.72	133.7	10.28	131.2	9.92	129.4	9.46	124.5	8.71
		35.6	156.7	11.21	144.4	10.76	134.5	10.31	132.0	9.95	130.2	9.49	125.2	8.74
		55.8	160.5	11.34	147.8	10.89	137.7	10.42	135.2	10.06	133.4	9.60	128.2	8.83
		69.8	162.8	11.34	150.1	10.89	139.9	10.42	137.2	10.06	135.4	9.60	130.2	8.83
		83.7	165.0	11.34	152.3	10.89	142.0	10.42	139.1	10.06	137.3	9.60	132.1	8.83
	41	22.4	215.4	12.15	203.3	11.69	194.3	11.16	190.1	10.79	182.0	10.29	172.9	9.47
		35.6	215.9	12.22	203.7	11.75	194.4	11.22	190.1	10.85	182.0	10.35	172.9	9.52
		55.8	217.7	12.48	205.3	11.97	194.6	11.47	190.1	11.08	182.0	10.55	172.9	9.73
		69.8	217.7	12.55	205.0	12.07	194.6	11.54	190.1	11.15	182.0	10.63	172.9	9.78
		83.7	217.7	12.62	204.7	12.16	194.6	11.61	190.1	11.22	182.0	10.71	172.9	9.83
	50	22.4	216.6	11.18	204.1	10.68	194.3	10.14	190.1	9.85	182.0	9.33	172.9	8.64
		35.6	216.8	11.17	204.3	10.66	194.4	10.14	190.1	9.86	182.0	9.34	172.9	8.64
		55.8	217.7	11.11	205.3	10.61	194.6	10.16	190.1	9.88	182.0	9.35	172.9	8.66
		69.8	217.7	11.08	205.0	10.64	194.6	10.20	190.1	9.82	182.0	9.30	172.9	8.61
		83.7	217.7	11.05	204.7	10.67	194.6	10.24	190.1	9.76	182.0	9.25	172.9	8.56
	59	22.4	217.7	10.21	205.0	9.67	194.6	9.08	190.1	8.91	182.0	8.37	172.9	7.83
		35.6	217.7	10.12	205.0	9.58	194.6	9.04	190.1	8.87	182.0	8.33	172.9	7.78
		55.8	217.7	9.77	205.0	9.22	194.6	8.87	190.1	8.68	182.0	8.14	172.9	7.60
		69.8	217.7	9.58	205.0	9.22	194.6	8.87	190.1	8.49	182.0	7.95	172.9	7.41
		83.7	217.7	9.40	205.0	9.22	194.6	8.87	190.1	8.31	182.0	7.77	172.9	7.23
	68	22.4	217.7	8.54	205.0	8.19	194.6	7.78	190.1	7.64	182.0	7.29	172.9	6.74
		35.6	217.7	8.49	205.0	8.14	194.6	7.78	190.1	7.60	182.0	7.24	172.9	6.70
		55.8	217.7	8.33	205.0	7.95	194.6	7.78	190.1	7.41	182.0	7.05	172.9	6.51
		69.8	217.7	8.14	205.0	7.78	194.6	7.60	190.1	7.41	182.0	6.87	172.9	6.51
		83.7	217.7	7.96	205.0	7.62	194.6	7.43	190.1	7.41	182.0	6.70	172.9	6.51
	77	22.4	217.7	7.64	205.0	7.10	194.6	6.70	190.1	6.56	182.0	6.20	172.9	5.82
		35.6	217.7	7.60	205.0	7.05	194.6	6.70	190.1	6.51	182.0	6.15	172.9	5.78
		55.8	217.7	7.41	205.0	6.87	194.6	6.70	190.1	6.32	182.0	5.97	172.9	5.61
		69.8	217.7	7.24	205.0	6.87	194.6	6.51	190.1	6.32	182.0	5.97	172.9	5.61
		83.7	217.7	7.08	205.0	6.87	194.6	6.33	190.1	6.32	182.0	5.97	172.9	5.61
	86	22.4	217.7	6.74	205.0	6.37	194.6	6.02	190.1	5.82	182.0	5.47	172.9	5.12
		35.6	217.7	6.70	205.0	6.32	194.6	5.97	190.1	5.78	182.0	5.43	172.9	5.07
		55.8	217.7	6.51	205.0	6.15	194.6	5.78	190.1	5.61	182.0	5.24	172.9	4.88
		69.8	217.7	6.51	205.0	6.15	194.6	5.78	190.1	5.61	182.0	5.24	172.9	4.88
		83.7	217.7	6.51	205.0	6.15	194.6	5.78	190.1	5.61	182.0	5.24	172.9	4.88
	95	22.4	217.7	6.20	205.0	5.82	194.6	5.28	190.1	5.07	182.0	4.93	172.9	4.53
		35.6	217.7	6.15	205.0	5.78	194.6	5.24	190.1	5.07	182.0	4.88	172.9	4.53
		55.8	217.7	5.97	205.0	5.61	194.6	5.07	190.1	5.07	182.0	4.70	172.9	4.53
		69.8	217.7	5.97	205.0	5.43	194.6	5.07	190.1	4.88	182.0	4.70	172.9	4.34
		83.7	217.7	5.97	205.0	5.26	194.6	5.07	190.1	4.70	182.0	4.70	172.9	4.16
	104	22.4	217.7	5.87	205.0	5.28	194.6	4.70	190.1	4.74	182.0	4.34	172.9	4.20
		35.6	217.7	5.78	205.0	5.24	194.6	4.70	190.1	4.70	182.0	4.34	172.9	4.15
		55.8	217.7	5.43	205.0	5.07	194.6	4.70	190.1	4.53	182.0	4.34	172.9	3.98
		69.8	217.7	5.43	205.0	5.07	194.6	4.53	190.1	4.53	182.0	4.34	172.9	3.98
		83.7	217.7	5.43	205.0	5.07	194.6	4.37	190.1	4.53	182.0	4.34	172.9	3.98
	113	22.4	217.7	5.56	205.0	4.74	194.6	4.11	190.1	4.43	182.0	3.75	172.9	3.89
		35.6	217.7	5.43	205.0	4.70	194.6	4.15	190.1	4.34	182.0	3.80	172.9	3.80
		55.8	217.7	4.88	205.0	4.53	194.6	4.34	190.1	3.98	182.0	3.98	172.9	3.44
		69.8	217.7	4.88	205.0	4.70	194.6	3.98	190.1	4.15	182.0	3.98	172.9	3.61
		83.7	217.7	4.88	205.0	4.86	194.6	3.64	190.1	4.31	182.0	3.98	172.9	3.77

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM216BAS5

216,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	22.4	76.0	6.54	71.5	6.22	67.6	6.02	66.9	5.68	66.4	5.48	65.4	4.98
		35.6	78.7	6.68	73.9	6.36	69.8	6.15	69.2	5.80	68.7	5.59	67.6	5.09
		55.8	89.1	7.24	83.6	6.90	78.9	6.68	78.2	6.29	77.8	6.06	76.4	5.52
		69.8	98.6	7.82	92.5	7.45	87.3	7.20	86.6	6.77	85.9	6.55	84.3	5.95
		83.7	107.6	8.37	100.9	7.97	95.2	7.69	94.5	7.22	93.5	7.01	91.7	6.36
	32	22.4	136.2	9.57	125.8	9.12	116.9	8.82	114.8	8.30	113.0	8.02	109.0	7.30
		35.6	137.0	9.60	126.6	9.15	117.5	8.85	115.5	8.33	113.7	8.04	109.6	7.31
		55.8	140.1	9.71	129.5	9.24	120.3	8.96	118.2	8.42	116.4	8.14	112.1	7.39
		69.8	142.2	9.71	131.6	9.24	122.1	8.96	120.0	8.42	118.2	8.14	113.9	7.39
		83.7	144.2	9.71	133.6	9.24	123.8	8.96	121.7	8.42	119.9	8.14	115.6	7.39
	41	22.4	188.1	10.42	178.2	9.92	169.7	9.60	166.1	9.05	158.7	8.73	151.2	7.93
		35.6	188.5	10.48	178.6	9.97	169.8	9.65	166.1	9.09	158.7	8.77	151.2	7.97
		55.8	190.1	10.68	179.9	10.18	170.0	9.86	166.1	9.26	158.7	8.96	151.2	8.14
		69.8	190.1	10.76	179.7	10.25	170.0	9.93	166.1	9.34	158.7	9.02	151.2	8.19
		83.7	190.1	10.84	179.5	10.32	170.0	10.00	166.1	9.42	158.7	9.08	151.2	8.24
	50	22.4	189.0	9.60	178.9	9.07	170.0	8.74	166.1	8.25	158.7	7.91	151.2	7.24
		35.6	189.2	9.58	179.0	9.05	170.0	8.72	166.1	8.25	158.7	7.91	151.2	7.24
		55.8	190.1	9.50	179.7	8.98	170.0	8.64	166.1	8.25	158.7	7.91	151.2	7.24
		69.8	190.1	9.54	179.7	9.02	170.0	8.68	166.1	8.29	158.7	7.86	151.2	7.26
		83.7	190.1	9.58	179.7	9.06	170.0	8.72	166.1	8.33	158.7	7.81	151.2	7.28
	59	22.4	190.1	8.77	179.7	8.23	170.0	7.88	166.1	7.45	158.7	7.10	151.2	6.56
		35.6	190.1	8.68	179.7	8.14	170.0	7.78	166.1	7.41	158.7	7.05	151.2	6.51
		55.8	190.1	8.33	179.7	7.78	170.0	7.41	166.1	7.24	158.7	6.87	151.2	6.32
		69.8	190.1	8.33	179.7	7.78	170.0	7.41	166.1	7.24	158.7	6.70	151.2	6.32
		83.7	190.1	8.33	179.7	7.78	170.0	7.41	166.1	7.24	158.7	6.54	151.2	6.32
	68	22.4	190.1	7.29	179.7	6.91	170.0	6.74	166.1	6.56	158.7	6.20	151.2	5.82
		35.6	190.1	7.24	179.7	6.87	170.0	6.70	166.1	6.51	158.7	6.15	151.2	5.78
		55.8	190.1	7.05	179.7	6.70	170.0	6.51	166.1	6.32	158.7	5.97	151.2	5.61
		69.8	190.1	7.05	179.7	6.70	170.0	6.51	166.1	6.15	158.7	5.97	151.2	5.43
		83.7	190.1	7.05	179.7	6.70	170.0	6.51	166.1	5.99	158.7	5.97	151.2	5.26
	77	22.4	190.1	6.56	179.7	6.20	170.0	5.82	166.1	5.66	158.7	5.24	151.2	4.88
		35.6	190.1	6.51	179.7	6.15	170.0	5.78	166.1	5.61	158.7	5.24	151.2	4.88
		55.8	190.1	6.32	179.7	5.97	170.0	5.61	166.1	5.43	158.7	5.24	151.2	4.88
		69.8	190.1	6.15	179.7	5.78	170.0	5.61	166.1	5.43	158.7	5.07	151.2	4.88
		83.7	190.1	5.99	179.7	5.60	170.0	5.61	166.1	5.43	158.7	4.91	151.2	4.88
	86	22.4	190.1	5.82	179.7	5.47	170.0	5.12	166.1	4.88	158.7	4.74	151.2	4.34
		35.6	190.1	5.78	179.7	5.43	170.0	5.07	166.1	4.88	158.7	4.70	151.2	4.34
		55.8	190.1	5.61	179.7	5.24	170.0	4.88	166.1	4.88	158.7	4.53	151.2	4.34
		69.8	190.1	5.61	179.7	5.24	170.0	4.88	166.1	4.70	158.7	4.53	151.2	4.34
		83.7	190.1	5.61	179.7	5.24	170.0	4.88	166.1	4.53	158.7	4.53	151.2	4.34
	95	22.4	190.1	5.28	179.7	4.93	170.0	4.53	166.1	4.57	158.7	4.15	151.2	4.03
		35.6	190.1	5.24	179.7	4.88	170.0	4.53	166.1	4.53	158.7	4.15	151.2	3.98
		55.8	190.1	5.07	179.7	4.70	170.0	4.53	166.1	4.34	158.7	4.15	151.2	3.80
		69.8	190.1	5.07	179.7	4.70	170.0	4.34	166.1	4.34	158.7	4.15	151.2	3.80
		83.7	190.1	5.07	179.7	4.70	170.0	4.16	166.1	4.34	158.7	4.15	151.2	3.80
	104	22.4	190.1	4.93	179.7	4.57	170.0	4.20	166.1	3.98	158.7	3.80	151.2	3.65
		35.6	190.1	4.88	179.7	4.53	170.0	4.15	166.1	3.98	158.7	3.80	151.2	3.61
		55.8	190.1	4.70	179.7	4.34	170.0	3.98	166.1	3.98	158.7	3.80	151.2	3.44
		69.8	190.1	4.70	179.7	4.34	170.0	3.98	166.1	3.80	158.7	3.61	151.2	3.44
		83.7	190.1	4.70	179.7	4.34	170.0	3.98	166.1	3.63	158.7	3.43	151.2	3.44
	113	22.4	190.1	4.57	179.7	4.20	170.0	3.89	166.1	3.40	158.7	3.44	151.2	3.30
		35.6	190.1	4.53	179.7	4.15	170.0	3.80	166.1	3.44	158.7	3.44	151.2	3.26
		55.8	190.1	4.34	179.7	3.98	170.0	3.44	166.1	3.61	158.7	3.44	151.2	3.07
		69.8	190.1	4.34	179.7	3.98	170.0	3.61	166.1	3.26	158.7	3.07	151.2	3.07
		83.7	190.1	4.34	179.7	3.98	170.0	3.77	166.1	2.93	158.7	2.72	151.2	3.07

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCK000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	22.4	65.3	5.31	61.2	5.11	57.9	4.91	57.2	4.56	57.0	4.48	55.9	4.01
		35.6	67.6	5.43	63.3	5.22	59.9	5.01	59.2	4.66	59.0	4.58	57.9	4.10
		55.8	76.6	5.89	71.7	5.67	67.8	5.44	67.1	5.05	66.9	4.98	65.6	4.45
		69.8	84.5	6.34	79.1	6.12	75.0	5.87	74.1	5.46	73.9	5.37	72.3	4.79
		83.7	91.9	6.76	86.1	6.54	81.8	6.28	80.7	5.85	80.5	5.74	78.6	5.11
	32	22.4	116.9	7.78	107.6	7.50	100.4	7.18	98.4	6.68	97.1	6.59	93.5	5.88
		35.6	117.5	7.80	108.3	7.52	101.0	7.20	99.0	6.70	97.7	6.60	94.0	5.89
		55.8	120.3	7.89	110.8	7.60	103.5	7.30	101.3	6.77	99.9	6.68	96.1	5.95
		69.8	122.1	7.89	112.6	7.60	105.1	7.30	102.9	6.77	101.5	6.68	97.7	5.95
		83.7	123.8	7.89	114.3	7.60	106.6	7.30	104.4	6.77	103.0	6.68	99.2	5.95
	41	22.4	161.5	8.47	152.3	8.15	146.0	7.81	142.4	7.28	136.3	7.16	129.8	6.38
		35.6	161.8	8.51	152.6	8.19	146.0	7.86	142.4	7.31	136.3	7.20	129.8	6.42
		55.8	163.2	8.68	153.7	8.36	146.0	8.03	142.4	7.46	136.3	7.35	129.8	6.55
		69.8	163.2	8.76	153.5	8.42	146.0	8.08	142.4	7.52	136.3	7.39	129.8	6.60
		83.7	163.2	8.84	153.3	8.48	146.0	8.13	142.4	7.58	136.3	7.43	129.8	6.65
	50	22.4	162.4	7.78	152.9	7.45	146.0	7.09	142.4	6.62	136.3	6.50	129.8	5.82
		35.6	162.5	7.78	153.0	7.45	146.0	7.09	142.4	6.64	136.3	6.49	129.8	5.84
		55.8	163.2	7.78	153.7	7.45	146.0	7.09	142.4	6.72	136.3	6.47	129.8	5.89
		69.8	163.2	7.80	153.5	7.37	146.0	7.02	142.4	6.64	136.3	6.42	129.8	5.84
		83.7	163.2	7.82	153.3	7.29	146.0	6.95	142.4	6.56	136.3	6.37	129.8	5.79
	59	22.4	163.2	7.10	153.5	6.74	146.0	6.37	142.4	5.97	136.3	5.82	129.8	5.24
		35.6	163.2	7.05	153.5	6.70	146.0	6.32	142.4	5.97	136.3	5.78	129.8	5.24
		55.8	163.2	6.87	153.5	6.51	146.0	6.15	142.4	5.97	136.3	5.61	129.8	5.24
		69.8	163.2	6.87	153.5	6.32	146.0	5.97	142.4	5.78	136.3	5.43	129.8	5.07
		83.7	163.2	6.87	153.5	6.14	146.0	5.80	142.4	5.60	136.3	5.26	129.8	4.91
	68	22.4	163.2	6.20	153.5	5.82	146.0	5.47	142.4	5.28	136.3	5.12	129.8	4.74
		35.6	163.2	6.15	153.5	5.78	146.0	5.43	142.4	5.24	136.3	5.07	129.8	4.70
		55.8	163.2	5.97	153.5	5.61	146.0	5.24	142.4	5.07	136.3	4.88	129.8	4.53
		69.8	163.2	5.97	153.5	5.61	146.0	5.24	142.4	5.07	136.3	4.88	129.8	4.53
		83.7	163.2	5.97	153.5	5.61	146.0	5.24	142.4	5.07	136.3	4.88	129.8	4.53
	77	22.4	163.2	5.47	153.5	5.12	146.0	4.70	142.4	4.74	136.3	4.34	129.8	4.20
		35.6	163.2	5.43	153.5	5.07	146.0	4.70	142.4	4.70	136.3	4.34	129.8	4.15
		55.8	163.2	5.24	153.5	4.88	146.0	4.70	142.4	4.53	136.3	4.34	129.8	3.98
		69.8	163.2	5.24	153.5	4.88	146.0	4.53	142.4	4.53	136.3	4.34	129.8	3.98
		83.7	163.2	5.24	153.5	4.88	146.0	4.37	142.4	4.53	136.3	4.34	129.8	3.98
	86	22.4	163.2	4.93	153.5	4.57	146.0	4.39	142.4	4.20	136.3	4.03	129.8	3.84
		35.6	163.2	4.88	153.5	4.53	146.0	4.34	142.4	4.15	136.3	3.98	129.8	3.80
		55.8	163.2	4.70	153.5	4.34	146.0	4.15	142.4	3.98	136.3	3.80	129.8	3.61
		69.8	163.2	4.70	153.5	4.34	146.0	4.15	142.4	3.98	136.3	3.80	129.8	3.61
		83.7	163.2	4.70	153.5	4.34	146.0	4.15	142.4	3.98	136.3	3.80	129.8	3.61
	95	22.4	163.2	4.34	153.5	4.20	146.0	3.80	142.4	3.84	136.3	3.65	129.8	3.49
		35.6	163.2	4.34	153.5	4.15	146.0	3.80	142.4	3.80	136.3	3.61	129.8	3.44
		55.8	163.2	4.34	153.5	3.98	146.0	3.80	142.4	3.61	136.3	3.44	129.8	3.26
		69.8	163.2	4.34	153.5	3.98	146.0	3.61	142.4	3.61	136.3	3.44	129.8	3.26
		83.7	163.2	4.34	153.5	3.98	146.0	3.43	142.4	3.61	136.3	3.44	129.8	3.26
	104	22.4	163.2	3.98	153.5	3.84	146.0	3.44	142.4	3.49	136.3	3.30	129.8	3.07
		35.6	163.2	3.98	153.5	3.80	146.0	3.44	142.4	3.44	136.3	3.26	129.8	3.07
		55.8	163.2	3.98	153.5	3.61	146.0	3.44	142.4	3.26	136.3	3.07	129.8	3.07
		69.8	163.2	3.98	153.5	3.61	146.0	3.44	142.4	3.26	136.3	3.07	129.8	3.07
		83.7	163.2	3.98	153.5	3.61	146.0	3.44	142.4	3.26	136.3	3.07	129.8	3.07
	113	22.4	163.2	3.61	153.5	3.49	146.0	3.07	142.4	3.11	136.3	2.95	129.8	2.67
		35.6	163.2	3.61	153.5	3.44	146.0	3.07	142.4	3.07	136.3	2.90	129.8	2.71
		55.8	163.2	3.61	153.5	3.26	146.0	3.07	142.4	2.90	136.3	2.71	129.8	2.90
		69.8	163.2	3.61	153.5	3.26	146.0	3.26	142.4	2.90	136.3	2.71	129.8	2.90
		83.7	163.2	3.61	153.5	3.26	146.0	3.44	142.4	2.90	136.3	2.71	129.8	2.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM216BAS5

216,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	22.4	54.5	4.23	51.2	4.01	48.3	3.79	47.6	3.59	47.4	3.37	46.5	3.19
		35.6	56.3	4.32	52.9	4.10	50.0	3.87	49.3	3.67	49.1	3.44	48.1	3.26
		55.8	63.5	4.68	59.7	4.45	56.5	4.19	55.8	3.98	55.6	3.74	54.5	3.52
		69.8	70.3	5.05	66.0	4.79	62.4	4.53	61.7	4.30	61.3	4.02	60.4	3.80
		83.7	76.7	5.40	71.9	5.11	68.0	4.85	67.3	4.60	66.7	4.28	66.0	4.06
	32	22.4	97.1	6.20	89.9	5.88	83.6	5.54	81.8	5.26	80.6	4.94	77.8	4.66
		35.6	97.7	6.21	90.4	5.89	84.1	5.56	82.3	5.28	81.2	4.96	78.2	4.68
		55.8	99.9	6.27	92.5	5.95	86.1	5.63	84.3	5.35	83.2	5.01	80.0	4.73
		69.8	101.5	6.27	93.8	5.95	87.3	5.63	85.7	5.35	84.3	5.01	81.4	4.73
		83.7	103.0	6.27	95.0	5.95	88.4	5.63	87.0	5.35	85.3	5.01	82.7	4.73
	41	22.4	134.2	6.74	127.3	6.38	121.3	6.03	118.4	5.73	113.2	5.38	108.1	5.06
		35.6	134.5	6.77	127.5	6.42	121.4	6.06	118.4	5.76	113.2	5.41	108.1	5.09
		55.8	135.6	6.90	128.4	6.55	121.6	6.19	118.4	5.87	113.2	5.50	108.1	5.20
		69.8	135.6	6.96	128.2	6.60	121.6	6.23	118.4	5.91	113.2	5.56	108.1	5.24
		83.7	135.6	7.02	128.0	6.65	121.6	6.27	118.4	5.95	113.2	5.62	108.1	5.28
	50	22.4	135.1	6.20	127.5	5.84	121.3	5.49	118.4	5.25	113.2	4.85	108.1	4.63
		35.6	135.2	6.19	127.7	5.84	121.4	5.48	118.4	5.24	113.2	4.86	108.1	4.62
		55.8	135.6	6.15	128.4	5.82	121.6	5.44	118.4	5.20	113.2	4.92	108.1	4.58
		69.8	135.6	6.19	128.2	5.84	121.6	5.46	118.4	5.22	113.2	4.85	108.1	4.60
		83.7	135.6	6.23	128.0	5.86	121.6	5.48	118.4	5.24	113.2	4.78	108.1	4.62
	59	22.4	135.6	5.66	128.2	5.28	121.6	4.93	118.4	4.74	113.2	4.34	108.1	4.20
		35.6	135.6	5.61	128.2	5.24	121.6	4.88	118.4	4.70	113.2	4.34	108.1	4.15
		55.8	135.6	5.43	128.2	5.07	121.6	4.70	118.4	4.53	113.2	4.34	108.1	3.98
		69.8	135.6	5.43	128.2	5.07	121.6	4.70	118.4	4.53	113.2	4.15	108.1	3.98
		83.7	135.6	5.43	128.2	5.07	121.6	4.70	118.4	4.53	113.2	3.97	108.1	3.98
	68	22.4	135.6	4.93	128.2	4.57	121.6	4.39	118.4	4.20	113.2	4.03	108.1	3.61
		35.6	135.6	4.88	128.2	4.53	121.6	4.34	118.4	4.15	113.2	3.98	108.1	3.61
		55.8	135.6	4.70	128.2	4.34	121.6	4.15	118.4	3.98	113.2	3.80	108.1	3.61
		69.8	135.6	4.70	128.2	4.34	121.6	4.15	118.4	3.98	113.2	3.80	108.1	3.61
		83.7	135.6	4.70	128.2	4.34	121.6	4.15	118.4	3.98	113.2	3.80	108.1	3.61
	77	22.4	135.6	4.39	128.2	3.98	121.6	3.84	118.4	3.61	113.2	3.44	108.1	3.26
		35.6	135.6	4.34	128.2	3.98	121.6	3.80	118.4	3.61	113.2	3.44	108.1	3.26
		55.8	135.6	4.15	128.2	3.98	121.6	3.61	118.4	3.61	113.2	3.44	108.1	3.26
		69.8	135.6	4.15	128.2	3.98	121.6	3.61	118.4	3.61	113.2	3.44	108.1	3.26
		83.7	135.6	4.15	128.2	3.98	121.6	3.61	118.4	3.61	113.2	3.44	108.1	3.26
	86	22.4	135.6	4.03	128.2	3.65	121.6	3.49	118.4	3.26	113.2	3.30	108.1	3.11
		35.6	135.6	3.98	128.2	3.61	121.6	3.44	118.4	3.26	113.2	3.26	108.1	3.07
		55.8	135.6	3.80	128.2	3.44	121.6	3.26	118.4	3.26	113.2	3.07	108.1	2.90
		69.8	135.6	3.80	128.2	3.44	121.6	3.26	118.4	3.26	113.2	3.07	108.1	2.90
		83.7	135.6	3.80	128.2	3.44	121.6	3.26	118.4	3.26	113.2	3.07	108.1	2.90
	95	22.4	135.6	3.65	128.2	3.26	121.6	3.07	118.4	3.11	113.2	2.90	108.1	2.71
		35.6	135.6	3.61	128.2	3.26	121.6	3.07	118.4	3.07	113.2	2.90	108.1	2.71
		55.8	135.6	3.44	128.2	3.26	121.6	3.07	118.4	2.90	113.2	2.90	108.1	2.71
		69.8	135.6	3.44	128.2	3.26	121.6	3.07	118.4	2.90	113.2	2.90	108.1	2.71
		83.7	135.6	3.44	128.2	3.26	121.6	3.07	118.4	2.90	113.2	2.90	108.1	2.71
	104	22.4	135.6	3.30	128.2	3.11	121.6	2.95	118.4	2.71	113.2	2.76	108.1	2.53
		35.6	135.6	3.26	128.2	3.07	121.6	2.90	118.4	2.71	113.2	2.71	108.1	2.53
		55.8	135.6	3.07	128.2	2.90	121.6	2.71	118.4	2.71	113.2	2.53	108.1	2.53
		69.8	135.6	3.07	128.2	2.90	121.6	2.71	118.4	2.71	113.2	2.53	108.1	2.53
		83.7	135.6	3.07	128.2	2.90	121.6	2.71	118.4	2.71	113.2	2.53	108.1	2.53
	113	22.4	135.6	2.95	128.2	2.99	121.6	2.80	118.4	2.31	113.2	2.62	108.1	2.36
		35.6	135.6	2.90	128.2	2.90	121.6	2.71	118.4	2.36	113.2	2.53	108.1	2.36
		55.8	135.6	2.71	128.2	2.53	121.6	2.36	118.4	2.53	113.2	2.17	108.1	2.36
		69.8	135.6	2.71	128.2	2.53	121.6	2.36	118.4	2.53	113.2	2.17	108.1	2.36
		83.7	135.6	2.71	128.2	2.53	121.6	2.36	118.4	2.53	113.2	2.17	108.1	2.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
130	23	24.4	127.3	13.08	126.3	12.31	125.6	11.46	123.9	11.12	125.3	10.83	121.9	9.71
		35.6	131.6	13.31	130.6	12.55	129.9	11.71	128.1	11.37	129.6	11.07	126.1	9.93
		60.8	148.9	14.21	147.6	13.50	146.9	12.70	144.9	12.34	146.6	11.99	142.9	10.77
		76.0	164.7	15.11	163.2	14.43	162.2	13.69	160.1	13.33	162.2	12.94	157.9	11.60
		91.2	172.6	15.57	171.0	14.89	169.8	14.19	167.8	13.83	170.0	13.42	165.5	12.03
	32	24.4	227.3	17.89	222.2	17.35	217.4	16.79	212.7	16.31	213.4	15.87	203.7	14.21
		35.6	228.7	17.93	223.5	17.40	218.7	16.84	213.9	16.36	214.7	15.91	204.9	14.25
		60.8	234.2	18.13	228.5	17.57	223.7	17.03	219.0	16.56	219.7	16.08	209.9	14.43
		76.0	237.7	18.13	232.0	17.57	227.2	17.03	222.2	16.56	223.0	16.08	212.9	14.43
		91.2	239.5	18.13	233.7	17.57	229.0	17.03	223.8	16.56	224.6	16.08	214.5	14.43
	41	24.4	327.4	19.23	322.5	18.75	315.7	18.27	307.8	17.76	299.5	17.27	283.0	15.46
		35.6	328.6	19.31	323.1	18.84	315.8	18.37	307.8	17.85	299.5	17.35	283.0	15.54
		60.8	333.1	19.66	325.3	19.18	316.0	18.73	307.8	18.21	299.5	17.70	283.0	15.87
		76.0	335.1	19.79	326.3	19.31	316.0	18.86	307.8	18.34	299.5	17.83	283.0	15.98
		91.2	336.1	19.85	326.8	19.38	316.0	18.93	307.8	18.41	299.5	17.89	283.0	16.03
	50	24.4	327.8	17.49	322.5	16.91	314.8	16.59	306.5	16.22	298.4	15.66	281.9	14.13
		35.6	329.8	17.46	324.1	16.92	316.0	16.62	307.8	16.21	299.5	15.65	283.0	14.12
		60.8	337.6	17.33	330.1	16.99	321.0	16.75	312.8	16.19	304.0	15.61	287.5	14.08
		76.0	339.3	17.57	332.3	17.22	323.1	16.82	314.3	16.26	306.0	15.87	289.3	14.75
		91.2	340.2	17.69	333.4	17.34	324.1	16.85	315.0	16.29	307.0	16.00	290.2	15.08
	59	24.4	328.3	15.77	322.6	15.09	313.5	14.93	305.3	14.68	297.3	14.06	280.7	12.81
		35.6	331.1	15.61	325.1	15.03	316.0	14.90	307.8	14.58	299.5	13.95	283.0	12.70
		60.8	341.8	14.99	334.8	14.77	326.1	14.77	317.8	14.15	308.5	13.52	292.0	12.27
		76.0	343.6	15.35	338.1	15.11	330.1	14.77	321.0	14.15	312.8	13.91	295.5	13.52
		91.2	344.5	15.54	339.7	15.29	332.1	14.77	322.7	14.15	314.9	14.10	297.3	14.15
	68	24.4	340.9	14.46	334.6	13.79	325.8	13.49	316.8	13.06	307.6	12.77	289.3	12.38
		35.6	343.6	14.36	337.3	13.78	328.3	13.48	319.3	13.11	310.3	12.85	292.0	12.27
		60.8	354.3	13.95	348.1	13.74	338.3	13.43	329.3	13.33	321.0	13.20	302.8	11.86
		76.0	355.8	13.95	350.6	13.74	342.3	13.52	332.6	13.33	323.6	13.20	305.3	12.62
		91.2	356.6	13.95	351.8	13.74	344.3	13.56	334.2	13.33	324.8	13.20	306.5	13.00
	77	24.4	359.8	13.79	350.6	13.39	342.3	13.17	335.8	12.95	328.3	12.76	309.5	11.92
		35.6	359.8	13.74	350.6	13.37	342.3	13.11	335.8	12.90	328.3	12.70	309.5	11.86
		60.8	359.8	13.52	350.6	13.28	342.3	12.90	335.8	12.70	328.3	12.49	309.5	11.65
		76.0	359.8	13.33	350.6	12.94	342.3	12.70	335.8	12.49	328.3	12.27	309.5	11.45
		91.2	359.8	13.23	350.6	12.77	342.3	12.61	335.8	12.38	328.3	12.16	309.5	11.36
	86	24.4	359.8	13.44	350.6	12.77	342.3	12.65	335.8	12.32	328.3	12.19	309.5	11.34
		35.6	359.8	13.33	350.6	12.75	342.3	12.57	335.8	12.27	328.3	12.08	309.5	11.24
		60.8	359.8	12.90	350.6	12.66	342.3	12.27	335.8	12.08	328.3	11.65	309.5	10.83
		76.0	359.8	12.70	350.6	12.32	342.3	12.08	335.8	11.86	328.3	11.65	309.5	10.83
		91.2	359.8	12.61	350.6	12.14	342.3	11.98	335.8	11.75	328.3	11.65	309.5	10.83
	95	24.4	359.8	12.81	350.6	12.39	342.3	12.13	335.8	11.70	328.3	11.29	309.5	10.50
		35.6	359.8	12.70	350.6	12.32	342.3	12.08	335.8	11.65	328.3	11.24	309.5	10.40
		60.8	359.8	12.27	350.6	12.04	342.3	11.86	335.8	11.45	328.3	11.02	309.5	9.99
		76.0	359.8	12.27	350.6	11.91	342.3	11.65	335.8	11.24	328.3	10.83	309.5	9.99
		91.2	359.8	12.27	350.6	11.84	342.3	11.54	335.8	11.13	328.3	10.73	309.5	9.99
	104	24.4	359.8	12.38	350.6	11.98	342.3	11.75	335.8	11.34	328.3	10.94	309.5	9.88
		35.6	359.8	12.27	350.6	11.91	342.3	11.65	335.8	11.24	328.3	10.83	309.5	9.77
		60.8	359.8	11.86	350.6	11.60	342.3	11.24	335.8	10.83	328.3	10.40	309.5	9.37
		76.0	359.8	11.65	350.6	11.41	342.3	11.24	335.8	10.83	328.3	10.40	309.5	9.37
		91.2	359.8	11.54	350.6	11.31	342.3	11.24	335.8	10.83	328.3	10.40	309.5	9.37
	113	24.4	359.8	11.97	350.6	11.57	342.3	11.40	335.8	10.99	328.3	10.56	309.5	9.25
		35.6	359.8	11.86	350.6	11.50	342.3	11.24	335.8	10.83	328.3	10.40	309.5	9.15
		60.8	359.8	11.45	350.6	11.20	342.3	10.61	335.8	10.21	328.3	9.77	309.5	8.74
		76.0	359.8	11.02	350.6	10.92	342.3	10.83	335.8	10.40	328.3	9.99	309.5	8.74
		91.2	359.8	10.81	350.6	10.77	342.3	10.94	335.8	10.50	328.3	10.10	309.5	8.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM240BAS5

240,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
120	23	24.4	120.9	13.08	120.0	12.31	119.3	11.46	117.8	10.98	118.8	10.66	115.6	9.54
		35.6	125.1	13.31	124.1	12.55	123.4	11.71	121.9	11.22	122.9	10.89	119.6	9.75
		60.8	141.6	14.21	140.4	13.50	139.6	12.70	137.9	12.16	139.1	11.82	135.4	10.59
		76.0	156.4	15.11	155.1	14.43	154.1	13.69	152.4	13.13	153.6	12.75	149.4	11.41
		91.2	163.8	15.57	162.6	14.89	161.5	14.19	159.7	13.62	161.0	13.21	156.5	11.82
	32	24.4	216.2	17.89	210.9	17.35	206.4	16.79	202.2	16.08	202.2	15.63	193.0	13.97
		35.6	217.5	17.93	212.2	17.40	207.7	16.84	203.4	16.13	203.4	15.67	194.2	14.02
		60.8	222.5	18.13	217.2	17.57	212.7	17.03	208.2	16.32	208.2	15.85	198.9	14.19
		76.0	226.0	18.13	220.7	17.57	216.0	17.03	211.4	16.32	211.2	15.85	201.9	14.19
		91.2	227.7	18.13	222.5	17.57	217.6	17.03	213.1	16.32	212.7	15.85	203.5	14.19
	41	24.4	311.7	19.23	307.0	18.75	300.3	18.27	293.0	17.50	283.8	17.01	268.2	15.23
		35.6	312.8	19.31	307.5	18.84	300.3	18.37	293.0	17.59	283.8	17.10	268.2	15.31
		60.8	317.3	19.66	309.8	19.18	300.3	18.73	293.0	17.96	283.8	17.44	268.2	15.61
		76.0	319.0	19.79	308.0	19.31	300.3	18.86	293.0	18.09	283.8	17.57	268.2	15.72
		91.2	319.9	19.85	307.2	19.38	300.3	18.93	293.0	18.15	283.8	17.63	268.2	15.77
	50	24.4	312.8	17.27	307.0	16.79	299.5	16.45	292.2	15.95	283.0	15.43	267.6	13.87
		35.6	314.3	17.33	308.3	16.86	300.3	16.51	293.0	15.98	283.8	15.42	268.2	13.89
		60.8	320.0	17.57	313.3	17.12	303.5	16.75	296.3	16.06	286.8	15.37	271.0	13.95
		76.0	321.8	17.50	312.3	17.12	304.8	16.82	297.5	16.13	288.0	15.44	272.3	14.43
		91.2	322.7	17.47	311.8	17.12	305.4	16.85	298.2	16.16	288.6	15.47	272.9	14.66
	59	24.4	313.7	15.32	307.4	14.87	298.6	14.63	291.4	14.42	282.3	13.84	266.8	12.54
		35.6	315.5	15.35	309.3	14.90	300.3	14.66	293.0	14.36	283.8	13.74	268.2	12.49
		60.8	322.8	15.48	316.8	15.03	307.0	14.77	299.5	14.15	289.5	13.33	274.0	12.27
		76.0	324.6	15.24	316.5	14.90	309.5	14.77	302.0	14.15	292.0	13.33	276.5	13.11
		91.2	325.4	15.12	316.4	14.83	310.8	14.77	303.3	14.15	293.3	13.33	277.8	13.54
	68	24.4	322.5	13.78	316.4	13.19	306.8	12.84	298.4	12.65	288.7	12.50	273.1	11.86
		35.6	324.6	13.78	318.3	13.24	308.5	12.90	300.3	12.70	290.5	12.49	274.8	11.82
		60.8	332.8	13.78	325.8	13.43	315.3	13.11	307.8	12.90	297.8	12.44	281.3	11.65
		76.0	334.3	13.65	325.6	13.33	317.8	13.11	309.5	12.90	299.5	12.49	283.0	12.08
		91.2	335.1	13.59	325.4	13.27	319.1	13.11	310.4	12.90	300.4	12.51	283.9	12.30
	77	24.4	338.1	13.03	328.3	12.42	317.8	12.19	311.0	11.92	302.8	11.70	286.3	10.88
		35.6	338.3	12.98	328.3	12.40	317.8	12.16	311.0	11.86	302.8	11.65	286.3	10.83
		60.8	339.1	12.79	328.3	12.32	317.8	12.08	311.0	11.65	302.8	11.45	286.3	10.61
		76.0	340.1	12.32	328.3	11.99	317.8	11.86	311.0	11.65	302.8	11.24	286.3	10.61
		91.2	340.6	12.08	328.3	11.83	317.8	11.75	311.0	11.65	302.8	11.13	286.3	10.61
	86	24.4	340.1	12.46	328.3	11.85	317.8	11.51	311.0	11.07	302.8	10.94	286.3	10.04
		35.6	340.1	12.36	328.3	11.78	317.8	11.45	311.0	11.02	302.8	10.83	286.3	9.99
		60.8	340.1	11.95	328.3	11.50	317.8	11.24	311.0	10.83	302.8	10.40	286.3	9.77
		76.0	340.1	11.56	328.3	11.24	317.8	11.02	311.0	10.83	302.8	10.40	286.3	9.58
		91.2	340.1	11.37	328.3	11.11	317.8	10.92	311.0	10.83	302.8	10.40	286.3	9.48
	95	24.4	340.1	11.90	328.3	11.26	317.8	10.94	311.0	10.50	302.8	10.09	286.3	9.20
		35.6	340.1	11.73	328.3	11.15	317.8	10.83	311.0	10.40	302.8	9.99	286.3	9.15
		60.8	340.1	11.07	328.3	10.74	317.8	10.40	311.0	9.99	302.8	9.58	286.3	8.96
		76.0	340.1	10.94	328.3	10.66	317.8	10.40	311.0	9.99	302.8	9.58	286.3	8.74
		91.2	340.1	10.87	328.3	10.61	317.8	10.40	311.0	9.99	302.8	9.58	286.3	8.63
	104	24.4	340.1	11.55	328.3	10.74	317.8	10.31	311.0	9.88	302.8	9.47	286.3	8.57
		35.6	340.1	11.32	328.3	10.61	317.8	10.21	311.0	9.77	302.8	9.37	286.3	8.53
		60.8	340.1	10.44	328.3	10.12	317.8	9.77	311.0	9.37	302.8	8.96	286.3	8.33
		76.0	340.1	10.31	328.3	9.99	317.8	9.77	311.0	9.37	302.8	8.96	286.3	8.12
		91.2	340.1	10.25	328.3	9.92	317.8	9.77	311.0	9.37	302.8	8.96	286.3	8.01
	113	24.4	340.1	11.19	328.3	10.22	317.8	9.69	311.0	9.25	302.8	8.84	286.3	7.95
		35.6	340.1	10.92	328.3	10.08	317.8	9.58	311.0	9.15	302.8	8.74	286.3	7.90
		60.8	340.1	9.82	328.3	9.49	317.8	9.15	311.0	8.74	302.8	8.33	286.3	7.71
		76.0	340.1	9.69	328.3	9.32	317.8	9.15	311.0	8.74	302.8	8.33	286.3	7.49
		91.2	340.1	9.62	328.3	9.24	317.8	9.15	311.0	8.74	302.8	8.33	286.3	7.38

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]
110	23	24.4	114.4	13.25	113.7	12.31	112.9	11.46	111.8	10.98	112.1	10.66	109.6	9.54
		35.6	118.4	13.48	117.6	12.55	116.9	11.71	115.6	11.22	115.9	10.89	113.4	9.75
		60.8	133.9	14.38	133.1	13.50	132.4	12.70	130.9	12.16	130.9	11.82	128.4	10.59
		76.0	147.9	15.31	146.9	14.43	146.1	13.69	144.6	13.13	144.6	12.75	141.6	11.41
		91.2	154.9	15.77	153.8	14.89	153.1	14.19	151.6	13.62	151.6	13.21	148.3	11.82
	32	24.4	204.5	18.13	200.0	17.35	195.8	16.79	192.0	16.08	190.3	15.63	183.1	13.97
		35.6	205.7	18.17	201.2	17.40	196.9	16.84	193.2	16.13	191.4	15.67	184.2	14.02
		60.8	210.4	18.34	205.9	17.57	201.4	17.03	197.7	16.32	195.9	15.85	188.4	14.19
		76.0	213.7	18.34	209.2	17.57	204.7	17.03	200.7	16.32	198.9	15.85	191.2	14.19
		91.2	215.3	18.34	210.8	17.57	206.3	17.03	202.2	16.32	200.4	15.85	192.6	14.19
	41	24.4	298.3	19.48	291.2	18.75	284.5	18.27	278.0	17.50	267.2	17.01	254.2	15.23
		35.6	299.3	19.57	291.8	18.84	284.5	18.37	278.0	17.59	267.2	17.10	254.2	15.31
		60.8	303.3	19.92	294.0	19.18	284.8	18.73	278.0	17.96	267.2	17.44	254.2	15.61
		76.0	305.0	20.04	294.8	19.31	284.8	18.86	278.0	18.09	267.2	17.57	254.2	15.72
		91.2	305.9	20.11	295.2	19.38	284.8	18.93	278.0	18.15	267.2	17.63	254.2	15.77
	50	24.4	299.4	17.47	292.0	16.87	284.1	16.51	277.6	15.95	266.8	15.43	253.9	13.87
		35.6	300.5	17.50	292.8	16.92	284.5	16.56	278.0	15.98	267.2	15.42	254.2	13.89
		60.8	305.0	17.63	295.8	17.12	286.3	16.75	279.8	16.06	269.0	15.37	255.5	13.95
		76.0	306.8	17.63	297.0	17.12	287.3	16.71	280.3	16.02	269.5	15.44	256.2	14.10
		91.2	307.7	17.63	297.7	17.12	287.8	16.69	280.5	16.00	269.8	15.47	256.6	14.18
	59	24.4	300.3	15.46	292.4	15.03	283.9	14.77	277.2	14.42	266.4	13.84	253.6	12.54
		35.6	301.5	15.44	293.5	15.03	284.8	14.77	278.0	14.36	267.2	13.74	254.2	12.49
		60.8	306.5	15.35	297.8	15.03	288.0	14.77	281.3	14.15	270.8	13.33	256.7	12.27
		76.0	308.3	15.24	299.3	14.90	289.5	14.58	282.3	13.95	271.5	13.33	258.2	12.49
		91.2	309.2	15.19	300.0	14.83	290.3	14.48	282.8	13.85	271.9	13.33	259.0	12.60
	68	24.4	305.9	13.34	297.5	13.03	287.9	12.70	280.2	12.49	269.9	12.13	255.7	11.35
		35.6	307.5	13.37	298.5	13.03	288.8	12.70	281.3	12.49	270.8	12.08	256.7	11.32
		60.8	314.0	13.48	302.5	13.03	292.0	12.70	285.5	12.49	274.0	11.86	260.7	11.24
		76.0	315.8	13.48	305.0	13.03	293.8	12.70	286.3	12.27	275.5	11.86	261.5	11.24
		91.2	316.7	13.48	306.3	13.03	294.7	12.70	286.6	12.16	276.3	11.86	261.9	11.24
	77	24.4	315.4	12.14	306.0	11.70	293.8	11.51	287.3	11.07	277.3	10.67	262.5	9.77
		35.6	316.0	12.12	306.0	11.65	293.8	11.45	287.3	11.02	277.3	10.61	262.5	9.77
		60.8	318.5	12.04	306.0	11.45	293.8	11.24	287.3	10.83	277.3	10.40	262.5	9.77
		76.0	320.0	12.04	306.0	11.50	293.8	11.02	287.3	10.83	277.3	10.21	262.5	9.58
		91.2	320.8	12.04	306.0	11.52	293.8	10.92	287.3	10.83	277.3	10.11	262.5	9.48
	86	24.4	320.0	11.07	306.0	10.67	293.8	10.26	287.3	10.04	277.3	9.42	262.5	8.80
		35.6	320.0	11.02	306.0	10.61	293.8	10.21	287.3	9.99	277.3	9.37	262.5	8.74
		60.8	320.0	10.83	306.0	10.40	293.8	9.99	287.3	9.77	277.3	9.15	262.5	8.53
		76.0	320.0	10.74	306.0	10.21	293.8	9.77	287.3	9.58	277.3	9.15	262.5	8.53
		91.2	320.0	10.70	306.0	10.11	293.8	9.67	287.3	9.48	277.3	9.15	262.5	8.53
	95	24.4	320.0	10.50	306.0	9.82	293.8	9.42	287.3	9.01	277.3	8.57	262.5	7.95
		35.6	320.0	10.40	306.0	9.77	293.8	9.37	287.3	8.96	277.3	8.53	262.5	7.90
		60.8	320.0	9.99	306.0	9.58	293.8	9.15	287.3	8.74	277.3	8.33	262.5	7.71
		76.0	320.0	9.73	306.0	9.37	293.8	8.96	287.3	8.74	277.3	8.33	262.5	7.71
		91.2	320.0	9.60	306.0	9.26	293.8	8.86	287.3	8.74	277.3	8.33	262.5	7.71
	104	24.4	320.0	9.88	306.0	9.47	293.8	8.84	287.3	8.39	277.3	7.95	262.5	7.33
		35.6	320.0	9.77	306.0	9.37	293.8	8.74	287.3	8.33	277.3	7.90	262.5	7.28
		60.8	320.0	9.37	306.0	8.96	293.8	8.33	287.3	8.12	277.3	7.71	262.5	7.08
		76.0	320.0	9.24	306.0	8.74	293.8	8.33	287.3	7.90	277.3	7.49	262.5	6.87
		91.2	320.0	9.17	306.0	8.63	293.8	8.33	287.3	7.79	277.3	7.38	262.5	6.76
	113	24.4	320.0	9.25	306.0	9.11	293.8	8.27	287.3	7.76	277.3	7.33	262.5	6.70
		35.6	320.0	9.15	306.0	8.96	293.8	8.12	287.3	7.71	277.3	7.28	262.5	6.65
		60.8	320.0	8.74	306.0	8.33	293.8	7.49	287.3	7.49	277.3	7.08	262.5	6.46
		76.0	320.0	8.74	306.0	8.12	293.8	7.71	287.3	7.08	277.3	6.65	262.5	6.03
		91.2	320.0	8.74	306.0	8.01	293.8	7.82	287.3	6.88	277.3	6.44	262.5	5.81

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM240BAS5

240,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]
100	23	24.4	108.1	13.25	107.4	12.49	106.9	11.46	106.0	10.98	105.0	10.49	103.0	9.54
		35.6	111.9	13.48	111.1	12.72	110.6	11.71	109.6	11.22	108.6	10.72	106.6	9.75
		60.8	126.6	14.38	125.9	13.67	125.1	12.70	123.9	12.16	122.9	11.65	120.9	10.59
		76.0	139.9	15.31	138.9	14.62	138.1	13.69	136.9	13.13	135.9	12.55	133.4	11.41
	32	91.2	146.6	15.77	145.4	15.10	144.7	14.19	143.4	13.62	142.4	13.01	139.7	11.82
		24.4	193.3	18.13	189.0	17.59	185.1	16.79	181.8	16.08	178.6	15.39	172.4	13.97
		35.6	194.4	18.17	190.2	17.63	186.2	16.84	182.9	16.13	179.7	15.44	173.4	14.02
		60.8	198.9	18.34	194.7	17.81	190.4	17.03	187.2	16.32	183.9	15.61	177.4	14.19
	41	76.0	201.9	18.34	197.7	17.81	193.4	17.03	189.9	16.32	186.7	15.61	180.2	14.19
		91.2	203.5	18.34	199.2	17.81	194.9	17.03	191.3	16.32	188.1	15.61	181.6	14.19
	50	24.4	285.3	19.48	275.8	19.01	268.7	18.27	263.2	17.50	250.7	16.75	239.2	15.23
		35.6	286.3	19.57	276.3	19.10	268.7	18.37	263.2	17.59	250.7	16.84	239.2	15.31
		60.8	290.3	19.92	278.3	19.44	269.0	18.73	263.2	17.96	250.7	17.18	239.2	15.61
		76.0	292.0	20.04	279.0	19.57	269.0	18.86	263.2	18.09	250.7	17.29	239.2	15.72
	59	91.2	292.9	20.11	279.4	19.64	269.0	18.93	263.2	18.15	250.7	17.34	239.2	15.77
		24.4	286.8	17.42	276.6	17.04	269.0	16.51	263.2	15.95	250.7	15.16	239.2	13.87
		35.6	287.5	17.50	277.0	17.10	269.0	16.56	263.2	15.98	250.7	15.18	239.2	13.89
		60.8	290.3	17.83	278.5	17.31	269.0	16.75	263.2	16.06	250.7	15.24	239.2	13.95
	68	76.0	292.3	17.76	279.8	17.31	269.0	16.71	263.2	16.02	250.7	15.20	239.2	13.89
		91.2	293.3	17.73	280.4	17.31	269.0	16.69	263.2	16.00	250.7	15.18	239.2	13.85
	77	24.4	288.4	15.36	277.8	15.10	269.0	14.77	263.2	14.42	250.7	13.57	239.2	12.54
		35.6	288.8	15.44	278.0	15.11	269.0	14.77	263.2	14.36	250.7	13.52	239.2	12.49
		60.8	290.3	15.74	278.8	15.16	269.0	14.77	263.2	14.15	250.7	13.33	239.2	12.27
		76.0	292.8	15.48	280.3	15.03	269.0	14.58	263.2	13.95	250.7	13.11	239.2	12.08
	86	91.2	294.0	15.35	281.0	14.96	269.0	14.48	263.2	13.85	250.7	13.00	239.2	11.98
		24.4	289.9	13.14	279.3	12.80	269.0	12.49	263.2	12.32	250.7	11.51	239.2	10.94
		35.6	291.0	13.20	279.5	12.81	269.0	12.49	263.2	12.27	250.7	11.45	239.2	10.83
		60.8	295.3	13.43	280.3	12.85	269.0	12.49	263.2	12.08	250.7	11.24	239.2	10.40
	95	76.0	297.0	13.20	282.8	12.75	269.0	12.27	263.2	11.86	250.7	11.02	239.2	10.21
		91.2	297.9	13.08	284.0	12.69	269.0	12.16	263.2	11.75	250.7	10.92	239.2	10.11
	104	24.4	293.4	11.49	283.8	11.13	269.0	10.67	263.2	10.26	250.7	9.64	239.2	8.74
		35.6	294.5	11.50	283.8	11.07	269.0	10.61	263.2	10.21	250.7	9.58	239.2	8.74
		60.8	298.8	11.54	283.8	10.83	269.0	10.40	263.2	9.99	250.7	9.37	239.2	8.74
		76.0	300.3	11.28	283.8	10.74	269.0	10.21	263.2	9.77	250.7	9.37	239.2	8.53
	113	91.2	301.0	11.15	283.8	10.70	269.0	10.11	263.2	9.67	250.7	9.37	239.2	8.42
		24.4	300.3	10.45	283.8	9.64	269.0	8.98	263.2	8.80	250.7	8.12	239.2	7.76
		35.6	300.3	10.40	283.8	9.58	269.0	8.96	263.2	8.74	250.7	8.12	239.2	7.71
		60.8	300.3	10.21	283.8	9.37	269.0	8.87	263.2	8.53	250.7	8.12	239.2	7.49
	122	76.0	300.3	9.99	283.8	9.37	269.0	8.74	263.2	8.53	250.7	7.90	239.2	7.49
		91.2	300.3	9.88	283.8	9.37	269.0	8.68	263.2	8.53	250.7	7.79	239.2	7.49
	131	24.4	300.3	9.69	283.8	8.84	269.0	7.92	263.2	7.76	250.7	7.33	239.2	6.70
		35.6	300.3	9.58	283.8	8.74	269.0	7.90	263.2	7.71	250.7	7.28	239.2	6.65
		60.8	300.3	9.15	283.8	8.33	269.0	7.82	263.2	7.49	250.7	7.08	239.2	6.46
		76.0	300.3	9.15	283.8	8.33	269.0	7.71	263.2	7.49	250.7	7.08	239.2	6.46
	140	91.2	300.3	9.15	283.8	8.33	269.0	7.65	263.2	7.49	250.7	7.08	239.2	6.46
		24.4	300.3	9.07	283.8	8.22	269.0	7.11	263.2	6.92	250.7	6.51	239.2	6.08
		35.6	300.3	8.96	283.8	8.12	269.0	7.08	263.2	6.87	250.7	6.46	239.2	6.03
		60.8	300.3	8.53	283.8	7.71	269.0	7.00	263.2	6.65	250.7	6.24	239.2	5.83
	149	76.0	300.3	8.33	283.8	7.71	269.0	6.87	263.2	6.65	250.7	6.24	239.2	5.83
		91.2	300.3	8.23	283.8	7.71	269.0	6.80	263.2	6.65	250.7	6.24	239.2	5.83
	158	24.4	300.3	8.44	283.8	7.60	269.0	6.27	263.2	6.08	250.7	5.67	239.2	5.45
		35.6	300.3	8.33	283.8	7.49	269.0	6.24	263.2	6.03	250.7	5.62	239.2	5.40
		60.8	300.3	7.90	283.8	7.08	269.0	6.16	263.2	5.83	250.7	5.40	239.2	5.21
		76.0	300.3	7.49	283.8	7.08	269.0	6.03	263.2	5.83	250.7	5.40	239.2	5.21
	167	91.2	300.3	7.29	283.8	7.08	269.0	5.96	263.2	5.83	250.7	5.40	239.2	5.21

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	24.4	102.1	12.30	98.9	11.20	96.1	9.84	95.3	9.37	94.6	9.04	92.9	8.11
		35.6	105.6	12.51	102.3	11.41	99.3	10.05	98.6	9.58	97.8	9.24	96.1	8.29
		60.8	119.6	13.35	115.9	12.25	112.4	10.92	111.6	10.40	110.9	10.03	108.6	9.00
		76.0	132.1	14.19	127.9	13.11	124.1	11.78	123.1	11.22	122.4	10.81	120.1	9.71
		91.2	138.4	14.61	133.9	13.55	130.0	12.21	128.9	11.63	128.2	11.20	125.9	10.07
	32	24.4	182.6	16.75	174.2	15.72	166.1	14.43	163.7	13.76	161.0	13.25	154.9	11.90
		35.6	183.7	16.79	175.2	15.76	167.2	14.47	164.7	13.80	161.9	13.28	155.9	11.93
		60.8	187.9	16.97	179.2	15.93	171.2	14.62	168.4	13.95	165.7	13.43	159.6	12.06
		76.0	190.7	16.97	181.9	15.93	173.9	14.62	170.9	13.95	168.4	13.43	162.2	12.06
	41	91.2	192.1	16.97	183.3	15.93	175.3	14.62	172.2	13.95	169.8	13.43	163.4	12.06
		24.4	258.0	17.98	249.7	16.97	241.7	15.71	236.7	14.97	226.2	14.41	215.5	12.94
		35.6	258.2	18.06	249.5	17.05	241.7	15.78	236.7	15.05	226.2	14.49	215.5	13.00
		60.8	259.2	18.39	248.7	17.37	241.7	16.08	236.7	15.35	226.2	14.79	215.5	13.26
	50	76.0	260.7	18.49	249.5	17.48	241.7	16.21	236.7	15.46	226.2	14.90	215.5	13.37
		91.2	261.5	18.55	249.9	17.54	241.7	16.28	236.7	15.51	226.2	14.95	215.5	13.42
	59	24.4	259.4	15.88	250.5	15.10	241.7	14.22	236.7	13.63	226.2	13.08	215.5	11.79
		35.6	259.2	15.89	250.2	15.11	241.7	14.23	236.7	13.65	226.2	13.07	215.5	11.80
		60.8	258.7	15.93	249.0	15.18	241.7	14.30	236.7	13.71	226.2	13.03	215.5	11.84
		76.0	260.5	15.89	249.7	15.14	241.7	14.25	236.7	13.67	226.2	13.07	215.5	11.88
	68	91.2	261.4	15.87	250.1	15.11	241.7	14.23	236.7	13.65	226.2	13.09	215.5	11.91
		24.4	260.7	13.75	251.4	13.25	241.7	12.76	236.7	12.32	226.2	11.75	215.5	10.67
		35.6	260.2	13.69	251.0	13.20	241.7	12.70	236.7	12.27	226.2	11.65	215.5	10.61
		60.8	258.5	13.48	249.2	12.98	241.7	12.49	236.7	12.08	226.2	11.24	215.5	10.40
	77	76.0	260.2	13.28	250.0	12.79	241.7	12.27	236.7	11.86	226.2	11.24	215.5	10.40
		91.2	261.1	13.19	250.4	12.69	241.7	12.16	236.7	11.75	226.2	11.24	215.5	10.40
	86	24.4	262.2	11.60	252.5	11.27	241.7	10.88	236.7	10.45	226.2	10.09	215.5	9.47
		35.6	262.0	11.60	252.0	11.24	241.7	10.83	236.7	10.40	226.2	9.99	215.5	9.37
		60.8	261.0	11.60	250.0	11.11	241.7	10.61	236.7	10.21	226.2	9.58	215.5	8.96
		76.0	261.7	11.41	250.7	11.02	241.7	10.61	236.7	10.21	226.2	9.58	215.5	8.96
	95	91.2	262.1	11.31	251.1	10.98	241.7	10.61	236.7	10.21	226.2	9.58	215.5	8.96
		24.4	266.6	10.14	255.7	9.60	241.7	9.20	236.7	8.74	226.2	8.39	215.5	7.76
		35.6	267.2	10.12	255.7	9.58	241.7	9.15	236.7	8.74	226.2	8.33	215.5	7.71
		60.8	269.8	10.03	255.7	9.49	241.7	8.96	236.7	8.74	226.2	8.12	215.5	7.49
	104	76.0	270.8	9.77	255.7	9.28	241.7	8.96	236.7	8.53	226.2	8.12	215.5	7.49
		91.2	271.3	9.64	255.7	9.17	241.7	8.96	236.7	8.42	226.2	8.12	215.5	7.49
		24.4	270.8	9.20	255.7	8.57	241.7	7.95	236.7	7.76	226.2	7.33	215.5	6.65
		35.6	270.8	9.15	255.7	8.53	241.7	7.90	236.7	7.71	226.2	7.28	215.5	6.65
	113	60.8	270.8	8.96	255.7	8.33	241.7	7.71	236.7	7.49	226.2	7.08	215.5	6.65
		76.0	270.8	8.74	255.7	8.12	241.7	7.71	236.7	7.49	226.2	7.08	215.5	6.46
		91.2	270.8	8.63	255.7	8.01	241.7	7.71	236.7	7.49	226.2	7.08	215.5	6.36
		24.4	270.8	8.39	255.7	7.76	241.7	7.14	236.7	6.92	226.2	6.51	215.5	6.08
	121	35.6	270.8	8.33	255.7	7.71	241.7	7.08	236.7	6.87	226.2	6.46	215.5	6.03
		60.8	270.8	8.12	255.7	7.49	241.7	6.87	236.7	6.65	226.2	6.24	215.5	5.83
		76.0	270.8	7.90	255.7	7.28	241.7	6.65	236.7	6.46	226.2	6.24	215.5	5.83
		91.2	270.8	7.79	255.7	7.17	241.7	6.54	236.7	6.36	226.2	6.24	215.5	5.83
	128	24.4	270.8	7.82	255.7	7.14	241.7	6.30	236.7	6.08	226.2	5.89	215.5	5.45
		35.6	270.8	7.71	255.7	7.08	241.7	6.24	236.7	6.03	226.2	5.83	215.5	5.40
		60.8	270.8	7.28	255.7	6.87	241.7	6.03	236.7	5.83	226.2	5.62	215.5	5.21
		76.0	270.8	7.28	255.7	6.87	241.7	6.03	236.7	5.83	226.2	5.62	215.5	5.21
	135	91.2	270.8	7.28	255.7	6.87	241.7	6.03	236.7	5.83	226.2	5.62	215.5	5.21
		24.4	270.8	7.24	255.7	6.51	241.7	5.45	236.7	5.26	226.2	5.26	215.5	4.83
		35.6	270.8	7.08	255.7	6.46	241.7	5.40	236.7	5.21	226.2	5.21	215.5	4.78
		60.8	270.8	6.46	255.7	6.24	241.7	5.21	236.7	5.00	226.2	5.00	215.5	4.59
		76.0	270.8	6.65	255.7	6.46	241.7	5.40	236.7	5.21	226.2	5.00	215.5	4.59
		91.2	270.8	6.75	255.7	6.57	241.7	5.50	236.7	5.32	226.2	5.00	215.5	4.59

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM240BAS5

240,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
80	23	24.4	96.6	8.76	90.5	8.43	85.7	8.07	84.7	7.80	84.2	7.44	82.5	6.85
		35.6	99.8	8.96	93.6	8.61	88.6	8.25	87.6	7.97	87.1	7.60	85.3	7.00
		60.8	112.9	9.73	105.8	9.34	100.1	8.94	99.1	8.63	98.6	8.25	96.6	7.58
		76.0	124.9	10.49	116.9	10.08	110.6	9.65	109.4	9.32	108.9	8.89	106.6	8.18
		91.2	130.9	10.87	122.4	10.45	115.9	10.00	114.5	9.67	114.0	9.22	111.6	8.49
	32	24.4	172.3	12.86	159.0	12.34	148.0	11.83	145.3	11.42	143.2	10.88	137.8	10.03
		35.6	173.4	12.90	159.9	12.38	148.9	11.86	146.1	11.45	144.1	10.92	138.6	10.05
		60.8	177.7	13.05	163.7	12.53	152.4	11.99	149.6	11.58	147.6	11.05	141.9	10.16
		76.0	180.2	13.05	166.2	12.53	154.9	11.99	151.9	11.58	149.9	11.05	144.1	10.16
		91.2	181.4	13.05	167.4	12.53	156.2	11.99	153.0	11.58	151.0	11.05	145.3	10.16
	41	24.4	238.5	13.98	225.0	13.46	215.1	12.85	210.4	12.42	201.4	11.85	191.4	10.90
		35.6	239.0	14.06	225.5	13.52	215.2	12.92	210.4	12.49	201.4	11.91	191.4	10.96
		60.8	241.0	14.36	227.2	13.78	215.5	13.20	210.4	12.75	201.4	12.14	191.4	11.20
		76.0	241.0	14.45	227.0	13.89	215.5	13.28	210.4	12.83	201.4	12.23	191.4	11.26
		91.2	241.0	14.49	226.8	13.94	215.5	13.33	210.4	12.88	201.4	12.27	191.4	11.29
	50	24.4	239.7	12.87	226.0	12.29	215.1	11.66	210.4	11.34	201.4	10.74	191.4	9.94
		35.6	240.0	12.85	226.2	12.27	215.2	11.67	210.4	11.35	201.4	10.74	191.4	9.95
		60.8	241.0	12.79	227.2	12.21	215.5	11.69	210.4	11.37	201.4	10.77	191.4	9.97
		76.0	241.0	12.75	227.0	12.25	215.5	11.73	210.4	11.30	201.4	10.70	191.4	9.90
		91.2	241.0	12.72	226.8	12.27	215.5	11.76	210.4	11.27	201.4	10.67	191.4	9.87
	59	24.4	241.0	11.75	227.0	11.13	215.5	10.45	210.4	10.26	201.4	9.64	191.4	9.01
		35.6	241.0	11.65	227.0	11.02	215.5	10.40	210.4	10.21	201.4	9.58	191.4	8.96
		60.8	241.0	11.24	227.0	10.61	215.5	10.21	210.4	9.99	201.4	9.37	191.4	8.74
		76.0	241.0	11.02	227.0	10.61	215.5	10.21	210.4	9.77	201.4	9.15	191.4	8.53
		91.2	241.0	10.92	227.0	10.61	215.5	10.21	210.4	9.67	201.4	9.04	191.4	8.42
	68	24.4	241.0	9.82	227.0	9.42	215.5	8.96	210.4	8.80	201.4	8.39	191.4	7.76
		35.6	241.0	9.77	227.0	9.37	215.5	8.96	210.4	8.74	201.4	8.33	191.4	7.71
		60.8	241.0	9.58	227.0	9.15	215.5	8.96	210.4	8.53	201.4	8.12	191.4	7.49
		76.0	241.0	9.37	227.0	8.96	215.5	8.74	210.4	8.53	201.4	7.90	191.4	7.49
		91.2	241.0	9.26	227.0	8.86	215.5	8.63	210.4	8.53	201.4	7.79	191.4	7.49
	77	24.4	241.0	8.80	227.0	8.17	215.5	7.71	210.4	7.55	201.4	7.14	191.4	6.70
		35.6	241.0	8.74	227.0	8.12	215.5	7.71	210.4	7.49	201.4	7.08	191.4	6.65
		60.8	241.0	8.53	227.0	7.90	215.5	7.71	210.4	7.28	201.4	6.87	191.4	6.46
		76.0	241.0	8.33	227.0	7.90	215.5	7.49	210.4	7.28	201.4	6.87	191.4	6.46
		91.2	241.0	8.23	227.0	7.90	215.5	7.38	210.4	7.28	201.4	6.87	191.4	6.46
	86	24.4	241.0	7.76	227.0	7.33	215.5	6.92	210.4	6.70	201.4	6.30	191.4	5.89
		35.6	241.0	7.71	227.0	7.28	215.5	6.87	210.4	6.65	201.4	6.24	191.4	5.83
		60.8	241.0	7.49	227.0	7.08	215.5	6.65	210.4	6.46	201.4	6.03	191.4	5.62
		76.0	241.0	7.49	227.0	7.08	215.5	6.65	210.4	6.46	201.4	6.03	191.4	5.62
		91.2	241.0	7.49	227.0	7.08	215.5	6.65	210.4	6.46	201.4	6.03	191.4	5.62
	95	24.4	241.0	7.14	227.0	6.70	215.5	6.08	210.4	5.83	201.4	5.67	191.4	5.21
		35.6	241.0	7.08	227.0	6.65	215.5	6.03	210.4	5.83	201.4	5.62	191.4	5.21
		60.8	241.0	6.87	227.0	6.46	215.5	5.83	210.4	5.83	201.4	5.40	191.4	5.21
		76.0	241.0	6.87	227.0	6.24	215.5	5.83	210.4	5.62	201.4	5.40	191.4	5.00
		91.2	241.0	6.87	227.0	6.14	215.5	5.83	210.4	5.51	201.4	5.40	191.4	4.89
	104	24.4	241.0	6.76	227.0	6.08	215.5	5.40	210.4	5.45	201.4	5.00	191.4	4.83
		35.6	241.0	6.65	227.0	6.03	215.5	5.40	210.4	5.40	201.4	5.00	191.4	4.78
		60.8	241.0	6.24	227.0	5.83	215.5	5.40	210.4	5.21	201.4	5.00	191.4	4.59
		76.0	241.0	6.24	227.0	5.83	215.5	5.21	210.4	5.21	201.4	5.00	191.4	4.59
		91.2	241.0	6.24	227.0	5.83	215.5	5.11	210.4	5.21	201.4	5.00	191.4	4.59
	113	24.4	241.0	6.40	227.0	5.45	215.5	4.73	210.4	5.10	201.4	4.32	191.4	4.47
		35.6	241.0	6.24	227.0	5.40	215.5	4.78	210.4	5.00	201.4	4.37	191.4	4.37
		60.8	241.0	5.62	227.0	5.21	215.5	5.00	210.4	4.59	201.4	4.59	191.4	3.96
		76.0	241.0	5.62	227.0	5.40	215.5	4.59	210.4	4.78	201.4	4.59	191.4	4.16
		91.2	241.0	5.62	227.0	5.50	215.5	4.38	210.4	4.88	201.4	4.59	191.4	4.25

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]	TC MBh	PI [kW]
70	23	24.4	84.2	7.52	79.1	7.16	74.8	6.93	74.0	6.53	73.5	6.30	72.4	5.73
		35.6	87.1	7.69	81.8	7.32	77.3	7.08	76.6	6.67	76.1	6.44	74.8	5.86
		60.8	98.6	8.33	92.6	7.94	87.3	7.69	86.6	7.23	86.1	6.98	84.6	6.35
		76.0	109.1	9.00	102.3	8.57	96.6	8.29	95.8	7.79	95.1	7.54	93.3	6.85
		91.2	114.4	9.34	107.3	8.88	101.3	8.59	100.5	8.08	99.6	7.82	97.8	7.10
	32	24.4	150.8	11.01	139.3	10.50	129.4	10.15	127.1	9.55	125.1	9.23	120.7	8.40
		35.6	151.6	11.05	140.1	10.53	130.1	10.18	127.9	9.58	125.9	9.26	121.4	8.42
		60.8	155.1	11.17	143.4	10.64	133.1	10.31	130.9	9.69	128.9	9.37	124.1	8.50
		76.0	157.4	11.17	145.6	10.64	135.1	10.31	132.9	9.69	130.9	9.37	126.1	8.50
		91.2	158.5	11.17	146.8	10.64	136.1	10.31	133.9	9.69	131.9	9.37	127.1	8.50
	41	24.4	208.3	12.00	197.3	11.42	187.9	11.05	183.9	10.41	175.7	10.04	167.4	9.12
		35.6	208.7	12.06	197.7	11.48	187.9	11.11	183.9	10.46	175.7	10.10	167.4	9.17
		60.8	210.4	12.29	199.2	11.71	188.2	11.35	183.9	10.66	175.7	10.31	167.4	9.37
		76.0	210.4	12.38	198.9	11.80	188.2	11.43	183.9	10.74	175.7	10.38	167.4	9.43
		91.2	210.4	12.42	198.8	11.84	188.2	11.48	183.9	10.79	175.7	10.41	167.4	9.46
	50	24.4	209.2	11.05	198.0	10.44	188.2	10.05	183.9	9.49	175.7	9.11	167.4	8.33
		35.6	209.4	11.02	198.2	10.42	188.2	10.03	183.9	9.49	175.7	9.11	167.4	8.33
		60.8	210.4	10.94	198.9	10.33	188.2	9.95	183.9	9.49	175.7	9.11	167.4	8.33
		76.0	210.4	10.98	198.9	10.38	188.2	9.99	183.9	9.54	175.7	9.04	167.4	8.35
		91.2	210.4	11.00	198.9	10.40	188.2	10.01	183.9	9.56	175.7	9.01	167.4	8.36
	59	24.4	210.4	10.09	198.9	9.47	188.2	9.07	183.9	8.57	175.7	8.17	167.4	7.55
		35.6	210.4	9.99	198.9	9.37	188.2	8.96	183.9	8.53	175.7	8.12	167.4	7.49
		60.8	210.4	9.58	198.9	8.96	188.2	8.53	183.9	8.33	175.7	7.90	167.4	7.28
		76.0	210.4	9.58	198.9	8.96	188.2	8.53	183.9	8.33	175.7	7.71	167.4	7.28
		91.2	210.4	9.58	198.9	8.96	188.2	8.53	183.9	8.33	175.7	7.61	167.4	7.28
	68	24.4	210.4	8.39	198.9	7.95	188.2	7.76	183.9	7.55	175.7	7.14	167.4	6.70
		35.6	210.4	8.33	198.9	7.90	188.2	7.71	183.9	7.49	175.7	7.08	167.4	6.65
		60.8	210.4	8.12	198.9	7.71	188.2	7.49	183.9	7.28	175.7	6.87	167.4	6.46
		76.0	210.4	8.12	198.9	7.71	188.2	7.49	183.9	7.08	175.7	6.87	167.4	6.24
		91.2	210.4	8.12	198.9	7.71	188.2	7.49	183.9	6.99	175.7	6.87	167.4	6.14
	77	24.4	210.4	7.55	198.9	7.14	188.2	6.70	183.9	6.51	175.7	6.03	167.4	5.62
		35.6	210.4	7.49	198.9	7.08	188.2	6.65	183.9	6.46	175.7	6.03	167.4	5.62
		60.8	210.4	7.28	198.9	6.87	188.2	6.46	183.9	6.24	175.7	6.03	167.4	5.62
		76.0	210.4	7.08	198.9	6.65	188.2	6.46	183.9	6.24	175.7	5.83	167.4	5.62
		91.2	210.4	6.99	198.9	6.54	188.2	6.46	183.9	6.24	175.7	5.74	167.4	5.62
	86	24.4	210.4	6.70	198.9	6.30	188.2	5.89	183.9	5.62	175.7	5.45	167.4	5.00
		35.6	210.4	6.65	198.9	6.24	188.2	5.83	183.9	5.62	175.7	5.40	167.4	5.00
		60.8	210.4	6.46	198.9	6.03	188.2	5.62	183.9	5.62	175.7	5.21	167.4	5.00
		76.0	210.4	6.46	198.9	6.03	188.2	5.62	183.9	5.40	175.7	5.21	167.4	5.00
		91.2	210.4	6.46	198.9	6.03	188.2	5.62	183.9	5.30	175.7	5.21	167.4	5.00
	95	24.4	210.4	6.08	198.9	5.67	188.2	5.21	183.9	5.26	175.7	4.78	167.4	4.64
		35.6	210.4	6.03	198.9	5.62	188.2	5.21	183.9	5.21	175.7	4.78	167.4	4.59
		60.8	210.4	5.83	198.9	5.40	188.2	5.21	183.9	5.00	175.7	4.78	167.4	4.37
		76.0	210.4	5.83	198.9	5.40	188.2	5.00	183.9	5.00	175.7	4.78	167.4	4.37
		91.2	210.4	5.83	198.9	5.40	188.2	4.89	183.9	5.00	175.7	4.78	167.4	4.37
	104	24.4	210.4	5.67	198.9	5.26	188.2	4.83	183.9	4.59	175.7	4.37	167.4	4.20
		35.6	210.4	5.62	198.9	5.21	188.2	4.78	183.9	4.59	175.7	4.37	167.4	4.16
		60.8	210.4	5.40	198.9	5.00	188.2	4.59	183.9	4.59	175.7	4.37	167.4	3.96
		76.0	210.4	5.40	198.9	5.00	188.2	4.59	183.9	4.37	175.7	4.16	167.4	3.96
		91.2	210.4	5.40	198.9	5.00	188.2	4.59	183.9	4.26	175.7	4.05	167.4	3.96
	113	24.4	210.4	5.26	198.9	4.83	188.2	4.47	183.9	3.91	175.7	3.96	167.4	3.80
		35.6	210.4	5.21	198.9	4.78	188.2	4.37	183.9	3.96	175.7	3.96	167.4	3.75
		60.8	210.4	5.00	198.9	4.59	188.2	3.96	183.9	4.16	175.7	3.96	167.4	3.53
		76.0	210.4	5.00	198.9	4.59	188.2	4.16	183.9	3.75	175.7	3.53	167.4	3.53
		91.2	210.4	5.00	198.9	4.59	188.2	4.25	183.9	3.54	175.7	3.31	167.4	3.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM240BAS5

240,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
60	23	24.4	72.3	6.11	67.7	5.88	64.1	5.65	63.3	5.25	63.1	5.16	61.9	4.61
		35.6	74.8	6.24	70.1	6.01	66.3	5.77	65.6	5.36	65.3	5.27	64.1	4.72
		60.8	84.8	6.78	79.3	6.52	75.1	6.27	74.3	5.81	74.1	5.73	72.6	5.12
		76.0	93.6	7.30	87.6	7.04	83.1	6.76	82.1	6.29	81.8	6.18	80.1	5.51
		91.2	98.0	7.56	91.7	7.30	87.1	7.01	86.0	6.53	85.7	6.41	83.9	5.71
	32	24.4	129.4	8.95	119.2	8.63	111.2	8.26	109.0	7.69	107.5	7.58	103.5	6.77
		35.6	130.1	8.98	119.9	8.66	111.9	8.29	109.6	7.71	108.1	7.60	104.1	6.78
		60.8	133.1	9.09	122.6	8.74	114.6	8.40	112.1	7.79	110.6	7.69	106.3	6.85
		76.0	135.1	9.09	124.6	8.74	116.4	8.40	113.9	7.79	112.4	7.69	108.1	6.85
		91.2	136.1	9.09	125.6	8.74	117.2	8.40	114.7	7.79	113.2	7.69	109.0	6.85
	41	24.4	178.8	9.75	168.6	9.38	161.7	8.99	157.6	8.37	150.9	8.25	143.6	7.35
		35.6	179.2	9.80	168.9	9.43	161.7	9.04	157.6	8.42	150.9	8.29	143.6	7.38
		60.8	180.7	9.99	170.2	9.62	161.7	9.24	157.6	8.59	150.9	8.46	143.6	7.54
		76.0	180.7	10.08	169.9	9.69	161.7	9.30	157.6	8.66	150.9	8.50	143.6	7.60
		91.2	180.7	10.12	169.8	9.72	161.7	9.33	157.6	8.69	150.9	8.53	143.6	7.63
	50	24.4	179.7	8.96	169.2	8.57	161.7	8.16	157.6	7.62	150.9	7.48	143.6	6.70
		35.6	179.9	8.96	169.4	8.57	161.7	8.16	157.6	7.64	150.9	7.47	143.6	6.72
		60.8	180.7	8.96	170.2	8.57	161.7	8.16	157.6	7.73	150.9	7.45	143.6	6.78
		76.0	180.7	8.98	169.9	8.48	161.7	8.07	157.6	7.64	150.9	7.38	143.6	6.72
		91.2	180.7	8.99	169.8	8.44	161.7	8.03	157.6	7.60	150.9	7.35	143.6	6.68
	59	24.4	180.7	8.17	169.9	7.76	161.7	7.33	157.6	6.87	150.9	6.70	143.6	6.03
		35.6	180.7	8.12	169.9	7.71	161.7	7.28	157.6	6.87	150.9	6.65	143.6	6.03
		60.8	180.7	7.90	169.9	7.49	161.7	7.08	157.6	6.87	150.9	6.46	143.6	6.03
		76.0	180.7	7.90	169.9	7.28	161.7	6.87	157.6	6.65	150.9	6.24	143.6	5.83
		91.2	180.7	7.90	169.9	7.17	161.7	6.76	157.6	6.54	150.9	6.14	143.6	5.74
	68	24.4	180.7	7.14	169.9	6.70	161.7	6.30	157.6	6.08	150.9	5.89	143.6	5.45
		35.6	180.7	7.08	169.9	6.65	161.7	6.24	157.6	6.03	150.9	5.83	143.6	5.40
		60.8	180.7	6.87	169.9	6.46	161.7	6.03	157.6	5.83	150.9	5.62	143.6	5.21
		76.0	180.7	6.87	169.9	6.46	161.7	6.03	157.6	5.83	150.9	5.62	143.6	5.21
		91.2	180.7	6.87	169.9	6.46	161.7	6.03	157.6	5.83	150.9	5.62	143.6	5.21
	77	24.4	180.7	6.30	169.9	5.89	161.7	5.40	157.6	5.45	150.9	5.00	143.6	4.83
		35.6	180.7	6.24	169.9	5.83	161.7	5.40	157.6	5.40	150.9	5.00	143.6	4.78
		60.8	180.7	6.03	169.9	5.62	161.7	5.40	157.6	5.21	150.9	5.00	143.6	4.59
		76.0	180.7	6.03	169.9	5.62	161.7	5.21	157.6	5.21	150.9	5.00	143.6	4.59
		91.2	180.7	6.03	169.9	5.62	161.7	5.11	157.6	5.21	150.9	5.00	143.6	4.59
	86	24.4	180.7	5.67	169.9	5.26	161.7	5.05	157.6	4.83	150.9	4.64	143.6	4.43
		35.6	180.7	5.62	169.9	5.21	161.7	5.00	157.6	4.78	150.9	4.59	143.6	4.37
		60.8	180.7	5.40	169.9	5.00	161.7	4.78	157.6	4.59	150.9	4.37	143.6	4.16
		76.0	180.7	5.40	169.9	5.00	161.7	4.78	157.6	4.59	150.9	4.37	143.6	4.16
		91.2	180.7	5.40	169.9	5.00	161.7	4.78	157.6	4.59	150.9	4.37	143.6	4.16
	95	24.4	180.7	5.00	169.9	4.83	161.7	4.37	157.6	4.43	150.9	4.20	143.6	4.02
		35.6	180.7	5.00	169.9	4.78	161.7	4.37	157.6	4.37	150.9	4.16	143.6	3.96
		60.8	180.7	5.00	169.9	4.59	161.7	4.37	157.6	4.16	150.9	3.96	143.6	3.75
		76.0	180.7	5.00	169.9	4.59	161.7	4.16	157.6	4.16	150.9	3.96	143.6	3.75
		91.2	180.7	5.00	169.9	4.59	161.7	4.05	157.6	4.16	150.9	3.96	143.6	3.75
	104	24.4	180.7	4.59	169.9	4.43	161.7	3.96	157.6	4.02	150.9	3.80	143.6	3.53
		35.6	180.7	4.59	169.9	4.37	161.7	3.96	157.6	3.96	150.9	3.75	143.6	3.53
		60.8	180.7	4.59	169.9	4.16	161.7	3.96	157.6	3.75	150.9	3.53	143.6	3.53
		76.0	180.7	4.59	169.9	4.16	161.7	3.96	157.6	3.75	150.9	3.53	143.6	3.53
		91.2	180.7	4.59	169.9	4.16	161.7	3.96	157.6	3.75	150.9	3.53	143.6	3.53
	113	24.4	180.7	4.16	169.9	4.02	161.7	3.53	157.6	3.58	150.9	3.39	143.6	3.07
		35.6	180.7	4.16	169.9	3.96	161.7	3.53	157.6	3.53	150.9	3.34	143.6	3.12
		60.8	180.7	4.16	169.9	3.75	161.7	3.53	157.6	3.34	150.9	3.12	143.6	3.34
		76.0	180.7	4.16	169.9	3.75	161.7	3.75	157.6	3.34	150.9	3.12	143.6	3.34
		91.2	180.7	4.16	169.9	3.75	161.7	3.85	157.6	3.34	150.9	3.12	143.6	3.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
50	23	24.4	60.3	4.87	56.7	4.61	53.5	4.36	52.7	4.13	52.5	3.87	51.5	3.67
		35.6	62.3	4.97	58.6	4.72	55.3	4.46	54.6	4.22	54.3	3.96	53.3	3.75
		60.8	70.3	5.38	66.1	5.12	62.6	4.82	61.8	4.59	61.6	4.31	60.3	4.05
		76.0	77.8	5.81	73.1	5.51	69.1	5.21	68.3	4.95	67.8	4.63	66.8	4.37
		91.2	81.6	6.03	76.6	5.71	72.3	5.41	71.6	5.14	71.0	4.79	70.1	4.53
	32	24.4	107.5	7.13	99.5	6.77	92.5	6.37	90.5	6.05	89.3	5.69	86.1	5.37
		35.6	108.1	7.15	100.1	6.78	93.1	6.39	91.1	6.07	89.8	5.71	86.6	5.38
		60.8	110.6	7.21	102.3	6.85	95.3	6.48	93.3	6.16	92.1	5.77	88.6	5.45
		76.0	112.4	7.21	103.8	6.85	96.6	6.48	94.8	6.16	93.3	5.77	90.1	5.45
		91.2	113.2	7.21	104.6	6.85	97.2	6.48	95.6	6.16	94.0	5.77	90.8	5.45
	41	24.4	148.6	7.76	140.9	7.35	134.3	6.94	131.1	6.60	125.4	6.20	119.6	5.82
		35.6	148.9	7.79	141.1	7.38	134.4	6.98	131.1	6.63	125.4	6.22	119.6	5.86
		60.8	150.1	7.94	142.1	7.54	134.6	7.13	131.1	6.76	125.4	6.33	119.6	5.99
		76.0	150.1	8.01	141.9	7.60	134.6	7.17	131.1	6.80	125.4	6.39	119.6	6.03
		91.2	150.1	8.04	141.8	7.63	134.6	7.19	131.1	6.83	125.4	6.43	119.6	6.05
	50	24.4	149.5	7.14	141.2	6.72	134.3	6.32	131.1	6.04	125.4	5.58	119.6	5.33
		35.6	149.6	7.13	141.4	6.72	134.4	6.31	131.1	6.03	125.4	5.60	119.6	5.32
		60.8	150.1	7.08	142.1	6.70	134.6	6.27	131.1	5.99	125.4	5.66	119.6	5.27
		76.0	150.1	7.13	141.9	6.72	134.6	6.29	131.1	6.01	125.4	5.58	119.6	5.30
		91.2	150.1	7.15	141.8	6.73	134.6	6.30	131.1	6.02	125.4	5.53	119.6	5.31
	59	24.4	150.1	6.51	141.9	6.08	134.6	5.67	131.1	5.45	125.4	5.00	119.6	4.83
		35.6	150.1	6.46	141.9	6.03	134.6	5.62	131.1	5.40	125.4	5.00	119.6	4.78
		60.8	150.1	6.24	141.9	5.83	134.6	5.40	131.1	5.21	125.4	5.00	119.6	4.59
		76.0	150.1	6.24	141.9	5.83	134.6	5.40	131.1	5.21	125.4	4.78	119.6	4.59
		91.2	150.1	6.24	141.9	5.83	134.6	5.40	131.1	5.21	125.4	4.67	119.6	4.59
	68	24.4	150.1	5.67	141.9	5.26	134.6	5.05	131.1	4.83	125.4	4.64	119.6	4.16
		35.6	150.1	5.62	141.9	5.21	134.6	5.00	131.1	4.78	125.4	4.59	119.6	4.16
		60.8	150.1	5.40	141.9	5.00	134.6	4.78	131.1	4.59	125.4	4.37	119.6	4.16
		76.0	150.1	5.40	141.9	5.00	134.6	4.78	131.1	4.59	125.4	4.37	119.6	4.16
		91.2	150.1	5.40	141.9	5.00	134.6	4.78	131.1	4.59	125.4	4.37	119.6	4.16
	77	24.4	150.1	5.05	141.9	4.59	134.6	4.43	131.1	4.16	125.4	3.96	119.6	3.75
		35.6	150.1	5.00	141.9	4.59	134.6	4.37	131.1	4.16	125.4	3.96	119.6	3.75
		60.8	150.1	4.78	141.9	4.59	134.6	4.16	131.1	4.16	125.4	3.96	119.6	3.75
		76.0	150.1	4.78	141.9	4.59	134.6	4.16	131.1	4.16	125.4	3.96	119.6	3.75
		91.2	150.1	4.78	141.9	4.59	134.6	4.16	131.1	4.16	125.4	3.96	119.6	3.75
	86	24.4	150.1	4.64	141.9	4.20	134.6	4.02	131.1	3.75	125.4	3.80	119.6	3.58
		35.6	150.1	4.59	141.9	4.16	134.6	3.96	131.1	3.75	125.4	3.75	119.6	3.53
		60.8	150.1	4.37	141.9	3.96	134.6	3.75	131.1	3.75	125.4	3.53	119.6	3.34
		76.0	150.1	4.37	141.9	3.96	134.6	3.75	131.1	3.75	125.4	3.53	119.6	3.34
		91.2	150.1	4.37	141.9	3.96	134.6	3.75	131.1	3.75	125.4	3.53	119.6	3.34
	95	24.4	150.1	4.20	141.9	3.75	134.6	3.53	131.1	3.58	125.4	3.34	119.6	3.12
		35.6	150.1	4.16	141.9	3.75	134.6	3.53	131.1	3.53	125.4	3.34	119.6	3.12
		60.8	150.1	3.96	141.9	3.75	134.6	3.53	131.1	3.34	125.4	3.34	119.6	3.12
		76.0	150.1	3.96	141.9	3.75	134.6	3.53	131.1	3.34	125.4	3.34	119.6	3.12
		91.2	150.1	3.96	141.9	3.75	134.6	3.53	131.1	3.34	125.4	3.34	119.6	3.12
	104	24.4	150.1	3.80	141.9	3.58	134.6	3.39	131.1	3.12	125.4	3.18	119.6	2.91
		35.6	150.1	3.75	141.9	3.53	134.6	3.34	131.1	3.12	125.4	3.12	119.6	2.91
		60.8	150.1	3.53	141.9	3.34	134.6	3.12	131.1	3.12	125.4	2.91	119.6	2.91
		76.0	150.1	3.53	141.9	3.34	134.6	3.12	131.1	3.12	125.4	2.91	119.6	2.91
		91.2	150.1	3.53	141.9	3.34	134.6	3.12	131.1	3.12	125.4	2.91	119.6	2.91
	113	24.4	150.1	3.39	141.9	3.45	134.6	3.23	131.1	2.66	125.4	3.01	119.6	2.71
		35.6	150.1	3.34	141.9	3.34	134.6	3.12	131.1	2.71	125.4	2.91	119.6	2.71
		60.8	150.1	3.12	141.9	2.91	134.6	2.71	131.1	2.91	125.4	2.50	119.6	2.71
		76.0	150.1	3.12	141.9	2.91	134.6	2.71	131.1	2.91	125.4	2.50	119.6	2.71
		91.2	150.1	3.12	141.9	2.91	134.6	2.71	131.1	2.91	125.4	2.50	119.6	2.71

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM264BAS5

264,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	26.4	140.5	15.02	139.5	14.14	138.6	13.17	136.8	12.78	138.4	12.44	134.6	11.16
		35.6	145.3	15.28	144.2	14.42	143.4	13.45	141.5	13.06	143.1	12.71	139.2	11.40
		65.9	164.4	16.32	163.0	15.51	162.2	14.59	160.0	14.17	161.9	13.77	157.8	12.36
		82.4	181.8	17.36	180.1	16.57	179.0	15.73	176.8	15.31	179.0	14.86	174.3	13.33
		98.9	201.5	18.54	199.5	17.77	198.1	17.02	195.9	16.60	198.4	16.10	193.0	14.43
	32	26.4	251.0	20.54	245.3	19.93	240.1	19.28	234.8	18.74	235.7	18.23	224.9	16.32
		35.6	252.5	20.60	246.7	19.98	241.5	19.34	236.2	18.79	237.0	18.28	226.3	16.37
		65.9	258.6	20.82	252.2	20.18	247.0	19.56	241.7	19.02	242.6	18.47	231.8	16.57
		82.4	262.5	20.82	256.1	20.18	250.9	19.56	245.3	19.02	246.2	18.47	235.1	16.57
		98.9	266.9	20.82	260.5	20.18	255.3	19.56	249.4	19.02	250.3	18.47	238.8	16.57
	41	26.4	361.5	22.08	356.0	21.54	348.6	20.99	339.8	20.39	330.7	19.83	312.5	17.76
		35.6	362.8	22.18	356.7	21.64	348.7	21.09	339.8	20.50	330.7	19.93	312.5	17.85
		65.9	367.7	22.58	359.2	22.03	348.9	21.51	339.8	20.92	330.7	20.33	312.5	18.23
		82.4	369.9	22.73	360.3	22.18	348.9	21.66	339.8	21.07	330.7	20.48	312.5	18.35
		98.9	372.4	22.90	361.5	22.35	348.9	21.83	339.8	21.24	330.7	20.65	312.5	18.49
	50	26.4	362.0	20.09	356.1	19.42	347.5	19.05	338.4	18.63	329.4	17.99	311.2	16.24
		35.6	364.1	20.06	357.8	19.44	348.9	19.09	339.8	18.62	330.7	17.98	312.5	16.22
		65.9	372.7	19.91	364.4	19.51	354.5	19.24	345.3	18.60	335.7	17.93	317.4	16.17
		82.4	374.6	20.18	366.9	19.78	356.7	19.31	347.0	18.67	337.9	18.23	319.4	16.94
		98.9	376.8	20.49	369.7	20.09	359.2	19.39	348.9	18.75	340.4	18.57	321.7	17.81
	59	26.4	362.5	18.11	356.2	17.34	346.1	17.15	337.0	16.87	328.2	16.15	310.0	14.72
		35.6	365.5	17.93	358.9	17.26	348.9	17.11	339.8	16.74	330.7	16.02	312.5	14.59
		65.9	377.4	17.21	369.7	16.96	360.0	16.96	350.9	16.25	340.7	15.53	322.4	14.10
		82.4	379.3	17.63	373.3	17.36	364.4	16.96	354.5	16.25	345.3	15.98	326.3	15.53
		98.9	381.5	18.11	377.4	17.81	369.4	16.96	358.6	16.25	350.5	16.49	330.7	17.15
	68	26.4	376.3	16.61	369.4	15.84	359.7	15.49	349.7	15.00	339.6	14.66	319.4	14.21
		35.6	379.3	16.49	372.4	15.83	362.5	15.48	352.5	15.06	342.6	14.76	322.4	14.10
		65.9	391.2	16.02	384.3	15.78	373.5	15.43	363.6	15.31	354.5	15.16	334.3	13.63
		82.4	392.9	16.02	387.1	15.78	377.9	15.53	367.2	15.31	357.2	15.16	337.1	14.49
		98.9	394.8	16.02	390.3	15.78	382.9	15.64	371.3	15.31	360.3	15.16	340.3	15.47
	77	26.4	397.3	15.84	387.1	15.38	377.9	15.12	370.8	14.87	362.5	14.65	341.8	13.69
		35.6	397.3	15.78	387.1	15.36	377.9	15.06	370.8	14.81	362.5	14.59	341.8	13.63
		65.9	397.3	15.53	387.1	15.26	377.9	14.81	370.8	14.59	362.5	14.34	341.8	13.38
		82.4	397.3	15.31	387.1	14.86	377.9	14.59	370.8	14.34	362.5	14.10	341.8	13.16
		98.9	397.3	15.06	387.1	14.41	377.9	14.34	370.8	14.06	362.5	13.83	341.8	12.91
	86	26.4	397.3	15.43	387.1	14.66	377.9	14.53	370.8	14.15	362.5	14.00	341.8	13.03
		35.6	397.3	15.31	387.1	14.64	377.9	14.44	370.8	14.10	362.5	13.87	341.8	12.91
		65.9	397.3	14.81	387.1	14.54	377.9	14.10	370.8	13.87	362.5	13.38	341.8	12.44
		82.4	397.3	14.59	387.1	14.15	377.9	13.87	370.8	13.63	362.5	13.38	341.8	12.44
		98.9	397.3	14.34	387.1	13.71	377.9	13.61	370.8	13.36	362.5	13.38	341.8	12.44
	95	26.4	397.3	14.72	387.1	14.23	377.9	13.94	370.8	13.43	362.5	12.97	341.8	12.06
		35.6	397.3	14.59	387.1	14.15	377.9	13.87	370.8	13.38	362.5	12.91	341.8	11.94
		65.9	397.3	14.10	387.1	13.82	377.9	13.63	370.8	13.16	362.5	12.66	341.8	11.47
		82.4	397.3	14.10	387.1	13.68	377.9	13.38	370.8	12.91	362.5	12.44	341.8	11.47
		98.9	397.3	14.10	387.1	13.52	377.9	13.10	370.8	12.63	362.5	12.19	341.8	11.47
	104	26.4	397.3	14.21	387.1	13.76	377.9	13.50	370.8	13.03	362.5	12.56	341.8	11.35
		35.6	397.3	14.10	387.1	13.68	377.9	13.38	370.8	12.91	362.5	12.44	341.8	11.23
		65.9	397.3	13.63	387.1	13.33	377.9	12.91	370.8	12.44	362.5	11.94	341.8	10.76
		82.4	397.3	13.38	387.1	13.11	377.9	12.91	370.8	12.44	362.5	11.94	341.8	10.76
		98.9	397.3	13.10	387.1	12.86	377.9	12.91	370.8	12.44	362.5	11.94	341.8	10.76
	113	26.4	397.3	13.74	387.1	13.29	377.9	13.09	370.8	12.62	362.5	12.13	341.8	10.63
		35.6	397.3	13.63	387.1	13.21	377.9	12.91	370.8	12.44	362.5	11.94	341.8	10.51
		65.9	397.3	13.16	387.1	12.86	377.9	12.19	370.8	11.72	362.5	11.23	341.8	10.04
		82.4	397.3	12.66	387.1	12.54	377.9	12.44	370.8	11.94	362.5	11.47	341.8	10.04
		98.9	397.3	12.09	387.1	12.18	377.9	12.72	370.8	12.19	362.5	11.74	341.8	10.04

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	26.4	133.5	15.02	132.5	14.14	131.7	13.17	130.1	12.61	131.1	12.24	127.7	10.96
		35.6	138.1	15.28	137.0	14.42	136.2	13.45	134.5	12.88	135.7	12.51	132.1	11.20
		65.9	156.4	16.32	155.0	15.51	154.2	14.59	152.2	13.97	153.6	13.58	149.5	12.17
		82.4	172.7	17.36	171.3	16.57	170.2	15.73	168.3	15.09	169.6	14.64	164.9	13.11
		98.9	191.2	18.54	189.8	17.77	188.3	17.02	186.6	16.36	187.7	15.84	182.4	14.18
	32	26.4	238.7	20.54	232.9	19.93	227.9	19.28	223.3	18.47	223.3	17.95	213.1	16.05
		35.6	240.1	20.60	234.3	19.98	229.3	19.34	224.6	18.52	224.6	18.00	214.4	16.10
		65.9	245.6	20.82	239.8	20.18	234.8	19.56	229.9	18.75	229.9	18.20	219.6	16.30
		82.4	249.5	20.82	243.7	20.18	238.4	19.56	233.5	18.75	233.2	18.20	223.0	16.30
		98.9	253.9	20.82	248.1	20.18	242.5	19.56	237.6	18.75	236.9	18.20	226.9	16.30
	41	26.4	344.1	22.08	338.9	21.54	331.5	20.99	323.5	20.10	313.3	19.54	296.2	17.50
		35.6	345.3	22.18	339.5	21.64	331.5	21.09	323.5	20.20	313.3	19.64	296.2	17.58
		65.9	350.3	22.58	342.0	22.03	331.5	21.51	323.5	20.62	313.3	20.03	296.2	17.93
		82.4	352.3	22.73	340.1	22.18	331.5	21.66	323.5	20.77	313.3	20.18	296.2	18.05
		98.9	354.6	22.90	337.9	22.35	331.5	21.83	323.5	20.94	313.3	20.35	296.2	18.19
	50	26.4	345.4	19.84	339.0	19.29	330.6	18.90	322.6	18.32	312.5	17.72	295.4	15.93
		35.6	347.0	19.91	340.4	19.36	331.5	18.97	323.5	18.35	313.3	17.71	296.2	15.95
		65.9	353.4	20.18	345.9	19.66	335.1	19.24	327.1	18.45	316.6	17.66	299.2	16.02
		82.4	355.3	20.11	344.8	19.66	336.5	19.31	328.5	18.52	318.0	17.73	300.6	16.57
		98.9	357.5	20.03	343.6	19.66	338.1	19.39	330.1	18.60	319.6	17.81	302.2	17.19
	59	26.4	346.4	17.59	339.4	17.08	329.7	16.81	321.7	16.56	311.7	15.90	294.6	14.41
		35.6	348.4	17.63	341.5	17.11	331.5	16.84	323.5	16.49	313.3	15.78	296.2	14.34
		65.9	356.4	17.78	349.8	17.26	339.0	16.96	330.7	16.25	319.7	15.31	302.5	14.10
		82.4	358.3	17.51	349.5	17.11	341.8	16.96	333.5	16.25	322.4	15.31	305.3	15.06
		98.9	360.5	17.20	349.2	16.94	345.0	16.96	336.7	16.25	325.5	15.31	308.5	16.15
	68	26.4	356.0	15.83	349.3	15.15	338.8	14.75	329.4	14.53	318.7	14.36	301.5	13.63
		35.6	358.3	15.83	351.4	15.21	340.7	14.81	331.5	14.59	320.8	14.34	303.4	13.58
		65.9	367.5	15.83	359.7	15.43	348.1	15.06	339.8	14.81	328.8	14.29	310.5	13.38
		82.4	369.1	15.68	359.4	15.31	350.9	15.06	341.8	14.81	330.7	14.34	312.5	13.87
		98.9	370.9	15.51	359.1	15.17	354.1	15.06	344.1	14.81	332.9	14.40	314.8	14.43
	77	26.4	373.3	14.97	362.5	14.27	350.9	14.00	343.4	13.69	334.3	13.43	316.1	12.50
		35.6	373.5	14.91	362.5	14.24	350.9	13.97	343.4	13.63	334.3	13.38	316.1	12.44
		65.9	374.4	14.69	362.5	14.15	350.9	13.87	343.4	13.38	334.3	13.16	316.1	12.19
		82.4	375.5	14.15	362.5	13.77	350.9	13.63	343.4	13.38	334.3	12.91	316.1	12.19
		98.9	376.7	13.54	362.5	13.34	350.9	13.36	343.4	13.38	334.3	12.63	316.1	12.19
	86	26.4	375.5	14.31	362.5	13.61	350.9	13.22	343.4	12.72	334.3	12.56	316.1	11.54
		35.6	375.5	14.19	362.5	13.53	350.9	13.16	343.4	12.66	334.3	12.44	316.1	11.47
		65.9	375.5	13.72	362.5	13.21	350.9	12.91	343.4	12.44	334.3	11.94	316.1	11.23
		82.4	375.5	13.28	362.5	12.91	350.9	12.66	343.4	12.44	334.3	11.94	316.1	11.00
		98.9	375.5	12.78	362.5	12.57	350.9	12.38	343.4	12.44	334.3	11.94	316.1	10.74
	95	26.4	375.5	13.67	362.5	12.93	350.9	12.56	343.4	12.06	334.3	11.59	316.1	10.57
		35.6	375.5	13.48	362.5	12.81	350.9	12.44	343.4	11.94	334.3	11.47	316.1	10.51
		65.9	375.5	12.71	362.5	12.34	350.9	11.94	343.4	11.47	334.3	11.00	316.1	10.29
		82.4	375.5	12.56	362.5	12.24	350.9	11.94	343.4	11.47	334.3	11.00	316.1	10.04
		98.9	375.5	12.39	362.5	12.13	350.9	11.94	343.4	11.47	334.3	11.00	316.1	9.76
	104	26.4	375.5	13.26	362.5	12.34	350.9	11.85	343.4	11.35	334.3	10.88	316.1	9.85
		35.6	375.5	13.01	362.5	12.19	350.9	11.72	343.4	11.23	334.3	10.76	316.1	9.79
		65.9	375.5	11.99	362.5	11.62	350.9	11.23	343.4	10.76	334.3	10.29	316.1	9.57
		82.4	375.5	11.85	362.5	11.47	350.9	11.23	343.4	10.76	334.3	10.29	316.1	9.32
		98.9	375.5	11.69	362.5	11.30	350.9	11.23	343.4	10.76	334.3	10.29	316.1	9.04
	113	26.4	375.5	12.86	362.5	11.74	350.9	11.13	343.4	10.63	334.3	10.16	316.1	9.13
		35.6	375.5	12.54	362.5	11.57	350.9	11.00	343.4	10.51	334.3	10.04	316.1	9.08
		65.9	375.5	11.28	362.5	10.91	350.9	10.51	343.4	10.04	334.3	9.57	316.1	8.85
		82.4	375.5	11.13	362.5	10.71	350.9	10.51	343.4	10.04	334.3	9.57	316.1	8.61
		98.9	375.5	10.96	362.5	10.48	350.9	10.51	343.4	10.04	334.3	9.57	316.1	8.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM264BAS5

264,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	26.4	126.4	15.22	125.5	14.14	124.7	13.17	123.4	12.61	123.7	12.24	121.0	10.96
		35.6	130.7	15.48	129.9	14.42	129.0	13.45	127.6	12.88	127.9	12.51	125.2	11.20
		65.9	147.8	16.52	147.0	15.51	146.2	14.59	144.5	13.97	144.5	13.58	141.7	12.17
		82.4	163.3	17.58	162.2	16.57	161.3	15.73	159.7	15.09	159.7	14.64	156.4	13.11
	32	98.9	180.9	18.78	179.4	17.77	178.4	17.02	176.9	16.36	176.9	15.84	173.1	14.18
		26.4	225.8	20.82	220.8	19.93	216.2	19.28	212.0	18.47	210.1	17.95	202.2	16.05
		35.6	227.1	20.87	222.1	19.98	217.4	19.34	213.3	18.52	211.4	18.00	203.3	16.10
		65.9	232.4	21.07	227.4	20.18	222.4	19.56	218.3	18.75	216.3	18.20	208.0	16.30
	41	82.4	235.9	21.07	231.0	20.18	226.0	19.56	221.6	18.75	219.6	18.20	211.1	16.30
		98.9	239.9	21.07	235.1	20.18	230.1	19.56	225.3	18.75	223.3	18.20	214.6	16.30
	50	26.4	329.3	22.38	321.5	21.54	314.1	20.99	306.9	20.10	295.1	19.54	280.7	17.50
		35.6	330.4	22.48	322.1	21.64	314.1	21.09	306.9	20.20	295.1	19.64	280.7	17.58
		65.9	334.9	22.87	324.6	22.03	314.4	21.51	306.9	20.62	295.1	20.03	280.7	17.93
		82.4	336.8	23.02	325.5	22.18	314.4	21.66	306.9	20.77	295.1	20.18	280.7	18.05
	59	98.9	339.0	23.19	326.5	22.35	314.4	21.83	306.9	20.94	295.1	20.35	280.7	18.19
		26.4	330.6	20.07	322.4	19.38	313.6	18.96	306.5	18.32	294.6	17.72	280.4	15.93
		35.6	331.8	20.11	323.2	19.44	314.1	19.02	306.9	18.35	295.1	17.71	280.7	15.95
		65.9	336.8	20.25	326.6	19.66	316.1	19.24	308.9	18.45	297.0	17.66	282.1	16.02
	68	82.4	338.7	20.25	327.9	19.66	317.2	19.19	309.4	18.40	297.6	17.73	282.9	16.20
		98.9	340.9	20.25	329.4	19.66	318.4	19.13	310.0	18.34	298.3	17.81	283.8	16.40
	77	26.4	331.5	17.76	322.9	17.26	313.5	16.96	306.0	16.56	294.1	15.90	280.0	14.41
		35.6	332.9	17.73	324.1	17.26	314.4	16.96	306.9	16.49	295.1	15.78	280.7	14.34
		65.9	338.4	17.63	328.8	17.26	318.0	16.96	310.5	16.25	298.9	15.31	283.5	14.10
		82.4	340.4	17.51	330.4	17.11	319.7	16.74	311.6	16.02	299.8	15.31	285.1	14.34
	86	98.9	342.7	17.37	332.2	16.94	321.6	16.49	312.8	15.76	300.8	15.31	286.9	14.61
		26.4	337.7	15.33	328.5	14.96	317.9	14.59	309.4	14.34	298.0	13.94	282.3	13.03
		35.6	339.5	15.36	329.6	14.96	318.8	14.59	310.5	14.34	298.9	13.87	283.5	13.01
		65.9	346.7	15.48	334.0	14.96	322.4	14.59	315.2	14.34	302.5	13.63	287.9	12.91
	95	82.4	348.7	15.48	336.8	14.96	324.4	14.59	316.1	14.10	304.2	13.63	288.7	12.91
		98.9	351.0	15.48	340.0	14.96	326.7	14.59	317.1	13.83	306.1	13.63	289.6	12.91
	104	26.4	348.2	13.95	337.9	13.43	324.4	13.22	317.2	12.72	306.1	12.25	289.8	11.23
		35.6	348.9	13.92	337.9	13.38	324.4	13.16	317.2	12.66	306.1	12.19	289.8	11.23
		65.9	351.7	13.82	337.9	13.16	324.4	12.91	317.2	12.44	306.1	11.94	289.8	11.23
		82.4	353.4	13.82	337.9	13.21	324.4	12.66	317.2	12.44	306.1	11.72	289.8	11.00
	113	98.9	355.3	13.82	337.9	13.27	324.4	12.38	317.2	12.44	306.1	11.47	289.8	10.74
		26.4	353.4	12.72	337.9	12.25	324.4	11.78	317.2	11.54	306.1	10.82	289.8	10.10
		35.6	353.4	12.66	337.9	12.19	324.4	11.72	317.2	11.47	306.1	10.76	289.8	10.04
		65.9	353.4	12.44	337.9	11.94	324.4	11.47	317.2	11.23	306.1	10.51	289.8	9.79
	122	82.4	353.4	12.34	337.9	11.72	324.4	11.23	317.2	11.00	306.1	10.51	289.8	9.79
		98.9	353.4	12.23	337.9	11.47	324.4	10.96	317.2	10.74	306.1	10.51	289.8	9.79
	131	26.4	353.4	12.06	337.9	11.28	324.4	10.82	317.2	10.35	306.1	9.85	289.8	9.13
		35.6	353.4	11.94	337.9	11.23	324.4	10.76	317.2	10.29	306.1	9.79	289.8	9.08
		65.9	353.4	11.47	337.9	11.00	324.4	10.51	317.2	10.04	306.1	9.57	289.8	8.85
		82.4	353.4	11.18	337.9	10.76	324.4	10.29	317.2	10.04	306.1	9.57	289.8	8.85
	140	98.9	353.4	10.85	337.9	10.49	324.4	10.04	317.2	10.04	306.1	9.57	289.8	8.85
		26.4	353.4	11.35	337.9	10.88	324.4	10.16	317.2	9.63	306.1	9.13	289.8	8.41
		35.6	353.4	11.23	337.9	10.76	324.4	10.04	317.2	9.57	306.1	9.08	289.8	8.36
		65.9	353.4	10.76	337.9	10.29	324.4	9.57	317.2	9.32	306.1	8.85	289.8	8.14
	149	82.4	353.4	10.61	337.9	10.04	324.4	9.57	317.2	9.08	306.1	8.61	289.8	7.89
		98.9	353.4	10.44	337.9	9.76	324.4	9.57	317.2	8.81	306.1	8.34	289.8	7.61
	158	26.4	353.4	10.63	337.9	10.47	324.4	9.50	317.2	8.92	306.1	8.41	289.8	7.70
		35.6	353.4	10.51	337.9	10.29	324.4	9.32	317.2	8.85	306.1	8.36	289.8	7.64
		65.9	353.4	10.04	337.9	9.57	324.4	8.61	317.2	8.61	306.1	8.14	289.8	7.42
		82.4	353.4	10.04	337.9	9.32	324.4	8.85	317.2	8.14	306.1	7.64	289.8	6.92
	167	98.9	353.4	10.04	337.9	9.04	324.4	9.12	317.2	7.61	306.1	7.07	289.8	6.35

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	26.4	119.4	15.22	118.6	14.34	118.1	13.17	117.0	12.61	115.9	12.05	113.7	10.96
		35.6	123.5	15.48	122.7	14.62	122.1	13.45	121.0	12.88	119.9	12.32	117.7	11.20
		65.9	139.8	16.52	139.0	15.70	138.1	14.59	136.8	13.97	135.7	13.38	133.4	12.17
		82.4	154.4	17.58	153.3	16.79	152.5	15.73	151.1	15.09	150.0	14.42	147.3	13.11
		98.9	171.0	18.78	169.5	18.03	168.8	17.02	167.3	16.36	166.2	15.60	163.1	14.18
	32	26.4	213.4	20.82	208.7	20.20	204.4	19.28	200.8	18.47	197.2	17.68	190.3	16.05
		35.6	214.7	20.87	210.0	20.25	205.6	19.34	202.0	18.52	198.4	17.73	191.5	16.10
		65.9	219.6	21.07	214.9	20.45	210.2	19.56	206.7	18.75	203.1	17.93	195.9	16.30
		82.4	223.0	21.07	218.3	20.45	213.6	19.56	209.7	18.75	206.1	17.93	198.9	16.30
		98.9	226.9	21.07	222.2	20.45	217.5	19.56	213.1	18.75	209.5	17.93	202.3	16.30
	41	26.4	314.9	22.38	304.5	21.84	296.7	20.99	290.6	20.10	276.8	19.24	264.1	17.50
		35.6	316.1	22.48	305.0	21.94	296.7	21.09	290.6	20.20	276.8	19.34	264.1	17.58
		65.9	320.5	22.87	307.2	22.33	297.0	21.51	290.6	20.62	276.8	19.73	264.1	17.93
		82.4	322.4	23.02	308.1	22.48	297.0	21.66	290.6	20.77	276.8	19.86	264.1	18.05
		98.9	324.6	23.19	309.1	22.65	297.0	21.83	290.6	20.94	276.8	20.01	264.1	18.19
	50	26.4	316.7	20.01	305.4	19.57	297.0	18.96	290.6	18.32	276.8	17.42	264.1	15.93
		35.6	317.4	20.11	305.8	19.64	297.0	19.02	290.6	18.35	276.8	17.43	264.1	15.95
		65.9	320.5	20.48	307.5	19.88	297.0	19.24	290.6	18.45	276.8	17.51	264.1	16.02
		82.4	322.7	20.40	308.9	19.88	297.0	19.19	290.6	18.40	276.8	17.46	264.1	15.95
		98.9	325.2	20.31	310.5	19.88	297.0	19.13	290.6	18.34	276.8	17.40	264.1	15.87
	59	26.4	318.4	17.64	306.7	17.35	297.0	16.96	290.6	16.56	276.8	15.59	264.1	14.41
		35.6	318.8	17.73	306.9	17.36	297.0	16.96	290.6	16.49	276.8	15.53	264.1	14.34
		65.9	320.5	18.08	307.8	17.41	297.0	16.96	290.6	16.25	276.8	15.31	264.1	14.10
		82.4	323.2	17.78	309.4	17.26	297.0	16.74	290.6	16.02	276.8	15.06	264.1	13.87
		98.9	326.3	17.44	311.2	17.09	297.0	16.49	290.6	15.76	276.8	14.78	264.1	13.61
	68	26.4	320.1	15.09	308.4	14.70	297.0	14.34	290.6	14.15	276.8	13.22	264.1	12.56
		35.6	321.3	15.16	308.6	14.71	297.0	14.34	290.6	14.10	276.8	13.16	264.1	12.44
		65.9	326.0	15.43	309.4	14.76	297.0	14.34	290.6	13.87	276.8	12.91	264.1	11.94
		82.4	327.9	15.16	312.2	14.64	297.0	14.10	290.6	13.63	276.8	12.66	264.1	11.72
		98.9	330.1	14.85	315.4	14.50	297.0	13.83	290.6	13.36	276.8	12.38	264.1	11.47
	77	26.4	324.0	13.19	313.3	12.78	297.0	12.25	290.6	11.78	276.8	11.07	264.1	10.04
		35.6	325.2	13.21	313.3	12.71	297.0	12.19	290.6	11.72	276.8	11.00	264.1	10.04
		65.9	329.9	13.26	313.3	12.44	297.0	11.94	290.6	11.47	276.8	10.76	264.1	10.04
		82.4	331.5	12.96	313.3	12.34	297.0	11.72	290.6	11.23	276.8	10.76	264.1	9.79
		98.9	333.3	12.62	313.3	12.23	297.0	11.47	290.6	10.96	276.8	10.76	264.1	9.51
	86	26.4	331.5	12.00	313.3	11.07	297.0	10.31	290.6	10.10	276.8	9.32	264.1	8.92
		35.6	331.5	11.94	313.3	11.00	297.0	10.29	290.6	10.04	276.8	9.32	264.1	8.85
		65.9	331.5	11.72	313.3	10.76	297.0	10.19	290.6	9.79	276.8	9.32	264.1	8.61
		82.4	331.5	11.47	313.3	10.76	297.0	10.04	290.6	9.79	276.8	9.08	264.1	8.61
		98.9	331.5	11.19	313.3	10.76	297.0	9.87	290.6	9.79	276.8	8.81	264.1	8.61
	95	26.4	331.5	11.13	313.3	10.16	297.0	9.10	290.6	8.92	276.8	8.41	264.1	7.70
		35.6	331.5	11.00	313.3	10.04	297.0	9.08	290.6	8.85	276.8	8.36	264.1	7.64
		65.9	331.5	10.51	313.3	9.57	297.0	8.98	290.6	8.61	276.8	8.14	264.1	7.42
		82.4	331.5	10.51	313.3	9.57	297.0	8.85	290.6	8.61	276.8	8.14	264.1	7.42
		98.9	331.5	10.51	313.3	9.57	297.0	8.70	290.6	8.61	276.8	8.14	264.1	7.42
	104	26.4	331.5	10.41	313.3	9.44	297.0	8.16	290.6	7.95	276.8	7.48	264.1	6.98
		35.6	331.5	10.29	313.3	9.32	297.0	8.14	290.6	7.89	276.8	7.42	264.1	6.92
		65.9	331.5	9.79	313.3	8.85	297.0	8.04	290.6	7.64	276.8	7.17	264.1	6.70
		82.4	331.5	9.57	313.3	8.85	297.0	7.89	290.6	7.64	276.8	7.17	264.1	6.70
		98.9	331.5	9.32	313.3	8.85	297.0	7.72	290.6	7.64	276.8	7.17	264.1	6.70
	113	26.4	331.5	9.70	313.3	8.72	297.0	7.20	290.6	6.98	276.8	6.52	264.1	6.26
		35.6	331.5	9.57	313.3	8.61	297.0	7.17	290.6	6.92	276.8	6.45	264.1	6.21
		65.9	331.5	9.08	313.3	8.14	297.0	7.07	290.6	6.70	276.8	6.21	264.1	5.98
		82.4	331.5	8.61	313.3	8.14	297.0	6.92	290.6	6.70	276.8	6.21	264.1	5.98
		98.9	331.5	8.08	313.3	8.14	297.0	6.75	290.6	6.70	276.8	6.21	264.1	5.98

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM264BAS5

264,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	26.4	112.7	14.12	109.2	12.86	106.1	11.30	105.2	10.77	104.4	10.38	102.6	9.31
		35.6	116.6	14.37	113.0	13.11	109.7	11.55	108.9	11.00	108.0	10.61	106.1	9.52
		65.9	132.1	15.33	127.9	14.07	124.0	12.54	123.2	11.94	122.4	11.52	119.9	10.34
		82.4	145.9	16.30	141.2	15.06	137.0	13.53	135.9	12.88	135.1	12.41	132.6	11.15
		98.9	161.5	17.40	156.3	16.18	151.7	14.65	150.3	13.95	149.5	13.42	147.0	12.07
	32	26.4	201.6	19.24	192.3	18.05	183.4	16.57	180.7	15.81	177.7	15.21	171.1	13.66
		35.6	202.8	19.29	193.4	18.10	184.6	16.62	181.8	15.85	178.8	15.26	172.1	13.70
		65.9	207.5	19.49	197.8	18.30	189.0	16.79	185.9	16.02	182.9	15.43	176.3	13.85
		82.4	210.5	19.49	200.9	18.30	192.0	16.79	188.7	16.02	185.9	15.43	179.0	13.85
		98.9	213.9	19.49	204.4	18.30	195.4	16.79	191.9	16.02	189.3	15.43	182.1	13.85
	41	26.4	284.8	20.65	275.7	19.49	266.9	18.04	261.4	17.20	249.8	16.56	237.9	14.86
		35.6	285.1	20.75	275.5	19.59	266.9	18.13	261.4	17.29	249.8	16.64	237.9	14.94
		65.9	286.2	21.12	274.6	19.96	266.9	18.47	261.4	17.63	249.8	16.99	237.9	15.23
		82.4	287.9	21.24	275.5	20.08	266.9	18.62	261.4	17.76	249.8	17.11	237.9	15.36
		98.9	289.8	21.38	276.5	20.22	266.9	18.79	261.4	17.91	249.8	17.25	237.9	15.51
	50	26.4	286.4	18.24	276.6	17.34	266.9	16.33	261.4	15.66	249.8	15.02	237.9	13.54
		35.6	286.2	18.25	276.3	17.36	266.9	16.35	261.4	15.68	249.8	15.01	237.9	13.55
		65.9	285.7	18.30	274.9	17.43	266.9	16.42	261.4	15.75	249.8	14.96	237.9	13.60
		82.4	287.6	18.25	275.7	17.38	266.9	16.37	261.4	15.70	249.8	15.01	237.9	13.65
		98.9	289.8	18.19	276.6	17.32	266.9	16.31	261.4	15.64	249.8	15.07	237.9	13.71
	59	26.4	287.8	15.79	277.6	15.22	266.9	14.65	261.4	14.15	249.8	13.50	237.9	12.25
		35.6	287.3	15.73	277.1	15.16	266.9	14.59	261.4	14.10	249.8	13.38	237.9	12.19
		65.9	285.4	15.48	275.2	14.91	266.9	14.34	261.4	13.87	249.8	12.91	237.9	11.94
		82.4	287.3	15.26	276.0	14.69	266.9	14.10	261.4	13.63	249.8	12.91	237.9	11.94
		98.9	289.5	15.01	276.9	14.44	266.9	13.83	261.4	13.36	249.8	12.91	237.9	11.94
	68	26.4	289.5	13.33	278.8	12.95	266.9	12.50	261.4	12.00	249.8	11.59	237.9	10.88
		35.6	289.3	13.33	278.2	12.91	266.9	12.44	261.4	11.94	249.8	11.47	237.9	10.76
		65.9	288.2	13.33	276.0	12.76	266.9	12.19	261.4	11.72	249.8	11.00	237.9	10.29
		82.4	289.0	13.11	276.8	12.66	266.9	12.19	261.4	11.72	249.8	11.00	237.9	10.29
		98.9	289.9	12.86	277.7	12.55	266.9	12.19	261.4	11.72	249.8	11.00	237.9	10.29
	77	26.4	294.4	11.65	282.4	11.03	266.9	10.57	261.4	10.04	249.8	9.63	237.9	8.92
		35.6	295.1	11.62	282.4	11.00	266.9	10.51	261.4	10.04	249.8	9.57	237.9	8.85
		65.9	297.8	11.52	282.4	10.91	266.9	10.29	261.4	10.04	249.8	9.32	237.9	8.61
		82.4	298.9	11.23	282.4	10.66	266.9	10.29	261.4	9.79	249.8	9.32	237.9	8.61
		98.9	300.1	10.90	282.4	10.38	266.9	10.29	261.4	9.51	249.8	9.32	237.9	8.61
	86	26.4	298.9	10.57	282.4	9.85	266.9	9.13	261.4	8.92	249.8	8.41	237.9	7.64
		35.6	298.9	10.51	282.4	9.79	266.9	9.08	261.4	8.85	249.8	8.36	237.9	7.64
		65.9	298.9	10.29	282.4	9.57	266.9	8.85	261.4	8.61	249.8	8.14	237.9	7.64
		82.4	298.9	10.04	282.4	9.32	266.9	8.85	261.4	8.61	249.8	8.14	237.9	7.42
		98.9	298.9	9.76	282.4	9.04	266.9	8.85	261.4	8.61	249.8	8.14	237.9	7.17
	95	26.4	298.9	9.63	282.4	8.92	266.9	8.20	261.4	7.95	249.8	7.48	237.9	6.98
		35.6	298.9	9.57	282.4	8.85	266.9	8.14	261.4	7.89	249.8	7.42	237.9	6.92
		65.9	298.9	9.32	282.4	8.61	266.9	7.89	261.4	7.64	249.8	7.17	237.9	6.70
		82.4	298.9	9.08	282.4	8.36	266.9	7.64	261.4	7.42	249.8	7.17	237.9	6.70
		98.9	298.9	8.81	282.4	8.08	266.9	7.36	261.4	7.17	249.8	7.17	237.9	6.70
	104	26.4	298.9	8.98	282.4	8.20	266.9	7.23	261.4	6.98	249.8	6.76	237.9	6.26
		35.6	298.9	8.85	282.4	8.14	266.9	7.17	261.4	6.92	249.8	6.70	237.9	6.21
		65.9	298.9	8.36	282.4	7.89	266.9	6.92	261.4	6.70	249.8	6.45	237.9	5.98
		82.4	298.9	8.36	282.4	7.89	266.9	6.92	261.4	6.70	249.8	6.45	237.9	5.98
		98.9	298.9	8.36	282.4	7.89	266.9	6.92	261.4	6.70	249.8	6.45	237.9	5.98
	113	26.4	298.9	8.32	282.4	7.48	266.9	6.26	261.4	6.05	249.8	6.05	237.9	5.55
		35.6	298.9	8.14	282.4	7.42	266.9	6.21	261.4	5.98	249.8	5.98	237.9	5.49
		65.9	298.9	7.42	282.4	7.17	266.9	5.98	261.4	5.74	249.8	5.74	237.9	5.27
		82.4	298.9	7.64	282.4	7.42	266.9	6.21	261.4	5.98	249.8	5.74	237.9	5.27
		98.9	298.9	7.89	282.4	7.70	266.9	6.47	261.4	6.25	249.8	5.74	237.9	5.27

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



### 264,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	26.4	106.6	10.06	99.9	9.68	94.6	9.27	93.5	8.96	92.9	8.54	91.1	7.87
		35.6	110.2	10.29	103.3	9.89	97.8	9.47	96.7	9.15	96.1	8.73	94.2	8.04
		65.9	124.6	11.18	116.9	10.73	110.5	10.26	109.4	9.92	108.9	9.47	106.6	8.70
		82.4	137.9	12.04	129.0	11.57	122.1	11.08	120.7	10.71	120.2	10.21	117.7	9.40
		98.9	153.0	13.02	142.7	12.52	135.3	12.01	133.5	11.61	133.0	11.05	130.3	10.19
	32	26.4	190.3	14.77	175.5	14.18	163.4	13.59	160.4	13.12	158.2	12.50	152.2	11.52
		35.6	191.5	14.81	176.5	14.22	164.4	13.63	161.3	13.16	159.1	12.54	153.1	11.55
		65.9	196.2	14.99	180.7	14.39	168.3	13.77	165.2	13.30	163.0	12.69	156.7	11.67
		82.4	198.9	14.99	183.4	14.39	171.0	13.77	167.7	13.30	165.5	12.69	159.1	11.67
		98.9	202.0	14.99	186.5	14.39	174.1	13.77	170.5	13.30	168.3	12.69	161.8	11.67
	41	26.4	263.3	16.06	248.4	15.46	237.5	14.76	232.4	14.27	222.4	13.61	211.4	12.52
		35.6	263.8	16.15	248.9	15.53	237.6	14.84	232.4	14.34	222.4	13.68	211.4	12.59
		65.9	266.1	16.49	250.9	15.83	237.9	15.16	232.4	14.64	222.4	13.95	211.4	12.86
		82.4	266.1	16.59	250.6	15.95	237.9	15.26	232.4	14.74	222.4	14.05	211.4	12.93
		98.9	266.1	16.70	250.3	16.09	237.9	15.37	232.4	14.85	222.4	14.16	211.4	13.01
	50	26.4	264.7	14.78	249.5	14.11	237.5	13.40	232.4	13.03	222.4	12.33	211.4	11.42
		35.6	265.0	14.76	249.8	14.10	237.6	13.40	232.4	13.03	222.4	12.34	211.4	11.43
		65.9	266.1	14.69	250.9	14.02	237.9	13.43	232.4	13.06	222.4	12.36	211.4	11.45
		82.4	266.1	14.64	250.6	14.07	237.9	13.48	232.4	12.98	222.4	12.29	211.4	11.38
		98.9	266.1	14.58	250.3	14.13	237.9	13.54	232.4	12.89	222.4	12.21	211.4	11.30
	59	26.4	266.1	13.50	250.6	12.78	237.9	12.00	232.4	11.78	222.4	11.07	211.4	10.35
		35.6	266.1	13.38	250.6	12.66	237.9	11.94	232.4	11.72	222.4	11.00	211.4	10.29
		65.9	266.1	12.91	250.6	12.19	237.9	11.72	232.4	11.47	222.4	10.76	211.4	10.04
		82.4	266.1	12.66	250.6	12.19	237.9	11.72	232.4	11.23	222.4	10.51	211.4	9.79
		98.9	266.1	12.38	250.6	12.19	237.9	11.72	232.4	10.96	222.4	10.23	211.4	9.51
	68	26.4	266.1	11.28	250.6	10.82	237.9	10.29	232.4	10.10	222.4	9.63	211.4	8.92
		35.6	266.1	11.23	250.6	10.76	237.9	10.29	232.4	10.04	222.4	9.57	211.4	8.85
		65.9	266.1	11.00	250.6	10.51	237.9	10.29	232.4	9.79	222.4	9.32	211.4	8.61
		82.4	266.1	10.76	250.6	10.29	237.9	10.04	232.4	9.79	222.4	9.08	211.4	8.61
		98.9	266.1	10.49	250.6	10.04	237.9	9.76	232.4	9.79	222.4	8.81	211.4	8.61
	77	26.4	266.1	10.10	250.6	9.39	237.9	8.85	232.4	8.67	222.4	8.20	211.4	7.70
		35.6	266.1	10.04	250.6	9.32	237.9	8.85	232.4	8.61	222.4	8.14	211.4	7.64
		65.9	266.1	9.79	250.6	9.08	237.9	8.85	232.4	8.36	222.4	7.89	211.4	7.42
		82.4	266.1	9.57	250.6	9.08	237.9	8.61	232.4	8.36	222.4	7.89	211.4	7.42
		98.9	266.1	9.32	250.6	9.08	237.9	8.34	232.4	8.36	222.4	7.89	211.4	7.42
	86	26.4	266.1	8.92	250.6	8.41	237.9	7.95	232.4	7.70	222.4	7.23	211.4	6.76
		35.6	266.1	8.85	250.6	8.36	237.9	7.89	232.4	7.64	222.4	7.17	211.4	6.70
		65.9	266.1	8.61	250.6	8.14	237.9	7.64	232.4	7.42	222.4	6.92	211.4	6.45
		82.4	266.1	8.61	250.6	8.14	237.9	7.64	232.4	7.42	222.4	6.92	211.4	6.45
		98.9	266.1	8.61	250.6	8.14	237.9	7.64	232.4	7.42	222.4	6.92	211.4	6.45
	95	26.4	266.1	8.20	250.6	7.70	237.9	6.98	232.4	6.70	222.4	6.52	211.4	5.98
		35.6	266.1	8.14	250.6	7.64	237.9	6.92	232.4	6.70	222.4	6.45	211.4	5.98
		65.9	266.1	7.89	250.6	7.42	237.9	6.70	232.4	6.70	222.4	6.21	211.4	5.98
		82.4	266.1	7.89	250.6	7.17	237.9	6.70	232.4	6.45	222.4	6.21	211.4	5.74
		98.9	266.1	7.89	250.6	6.89	237.9	6.70	232.4	6.17	222.4	6.21	211.4	5.47
	104	26.4	266.1	7.76	250.6	6.98	237.9	6.21	232.4	6.26	222.4	5.74	211.4	5.55
		35.6	266.1	7.64	250.6	6.92	237.9	6.21	232.4	6.21	222.4	5.74	211.4	5.49
		65.9	266.1	7.17	250.6	6.70	237.9	6.21	232.4	5.98	222.4	5.74	211.4	5.27
		82.4	266.1	7.17	250.6	6.70	237.9	5.98	232.4	5.98	222.4	5.74	211.4	5.27
		98.9	266.1	7.17	250.6	6.70	237.9	5.72	232.4	5.98	222.4	5.74	211.4	5.27
	113	26.4	266.1	7.35	250.6	6.26	237.9	5.43	232.4	5.86	222.4	4.96	211.4	5.14
		35.6	266.1	7.17	250.6	6.21	237.9	5.49	232.4	5.74	222.4	5.02	211.4	5.02
		65.9	266.1	6.45	250.6	5.98	237.9	5.74	232.4	5.27	222.4	5.27	211.4	4.55
		82.4	266.1	6.45	250.6	6.21	237.9	5.27	232.4	5.49	222.4	5.27	211.4	4.77
		98.9	266.1	6.45	250.6	6.47	237.9	4.74	232.4	5.74	222.4	5.27	211.4	5.02

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM264BAS5

264,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	26.4	92.9	8.64	87.3	8.23	82.6	7.96	81.7	7.50	81.2	7.24	79.9	6.58
		35.6	96.1	8.83	90.3	8.41	85.4	8.14	84.5	7.67	84.0	7.39	82.6	6.73
		65.9	108.9	9.57	102.2	9.13	96.4	8.83	95.6	8.31	95.0	8.01	93.4	7.30
		82.4	120.5	10.34	113.0	9.84	106.6	9.52	105.8	8.95	105.0	8.66	103.1	7.86
		98.9	133.7	11.21	125.2	10.65	118.2	10.30	117.4	9.68	116.3	9.40	114.1	8.50
	32	26.4	166.4	12.65	153.8	12.06	142.8	11.66	140.3	10.97	138.1	10.60	133.2	9.64
		35.6	167.4	12.69	154.7	12.09	143.7	11.70	141.2	11.00	139.0	10.63	134.0	9.67
		65.9	171.3	12.83	158.3	12.22	147.0	11.85	144.5	11.13	142.3	10.76	137.0	9.77
		82.4	173.8	12.83	160.8	12.22	149.2	11.85	146.7	11.13	144.5	10.76	139.2	9.77
		98.9	176.6	12.83	163.6	12.22	151.7	11.85	149.2	11.13	147.0	10.76	141.7	9.77
	41	26.4	229.9	13.78	217.8	13.11	207.4	12.69	203.1	11.96	193.9	11.54	184.8	10.48
		35.6	230.4	13.85	218.3	13.18	207.5	12.76	203.1	12.02	193.9	11.60	184.8	10.53
		65.9	232.4	14.12	219.9	13.45	207.8	13.03	203.1	12.24	193.9	11.85	184.8	10.76
		82.4	232.4	14.22	219.6	13.55	207.8	13.13	203.1	12.34	193.9	11.92	184.8	10.83
		98.9	232.4	14.33	219.3	13.66	207.8	13.24	203.1	12.45	193.9	12.00	184.8	10.91
	50	26.4	231.0	12.69	218.6	11.99	207.8	11.55	203.1	10.91	193.9	10.46	184.8	9.57
		35.6	231.2	12.66	218.8	11.97	207.8	11.52	203.1	10.91	193.9	10.46	184.8	9.57
		65.9	232.4	12.56	219.6	11.87	207.8	11.43	203.1	10.91	193.9	10.46	184.8	9.57
		82.4	232.4	12.61	219.6	11.92	207.8	11.47	203.1	10.96	193.9	10.39	184.8	9.60
		98.9	232.4	12.67	219.6	11.98	207.8	11.52	203.1	11.02	193.9	10.31	184.8	9.63
	59	26.4	232.4	11.59	219.6	10.88	207.8	10.41	203.1	9.85	193.9	9.39	184.8	8.67
		35.6	232.4	11.47	219.6	10.76	207.8	10.29	203.1	9.79	193.9	9.32	184.8	8.61
		65.9	232.4	11.00	219.6	10.29	207.8	9.79	203.1	9.57	193.9	9.08	184.8	8.36
		82.4	232.4	11.00	219.6	10.29	207.8	9.79	203.1	9.57	193.9	8.85	184.8	8.36
		98.9	232.4	11.00	219.6	10.29	207.8	9.79	203.1	9.57	193.9	8.59	184.8	8.36
	68	26.4	232.4	9.63	219.6	9.13	207.8	8.92	203.1	8.67	193.9	8.20	184.8	7.70
		35.6	232.4	9.57	219.6	9.08	207.8	8.85	203.1	8.61	193.9	8.14	184.8	7.64
		65.9	232.4	9.32	219.6	8.85	207.8	8.61	203.1	8.36	193.9	7.89	184.8	7.42
		82.4	232.4	9.32	219.6	8.85	207.8	8.61	203.1	8.14	193.9	7.89	184.8	7.17
		98.9	232.4	9.32	219.6	8.85	207.8	8.61	203.1	7.89	193.9	7.89	184.8	6.89
	77	26.4	232.4	8.67	219.6	8.20	207.8	7.70	203.1	7.48	193.9	6.92	184.8	6.45
		35.6	232.4	8.61	219.6	8.14	207.8	7.64	203.1	7.42	193.9	6.92	184.8	6.45
		65.9	232.4	8.36	219.6	7.89	207.8	7.42	203.1	7.17	193.9	6.92	184.8	6.45
		82.4	232.4	8.14	219.6	7.64	207.8	7.42	203.1	7.17	193.9	6.70	184.8	6.45
		98.9	232.4	7.89	219.6	7.36	207.8	7.42	203.1	7.17	193.9	6.45	184.8	6.45
	86	26.4	232.4	7.70	219.6	7.23	207.8	6.76	203.1	6.45	193.9	6.26	184.8	5.74
		35.6	232.4	7.64	219.6	7.17	207.8	6.70	203.1	6.45	193.9	6.21	184.8	5.74
		65.9	232.4	7.42	219.6	6.92	207.8	6.45	203.1	6.45	193.9	5.98	184.8	5.74
		82.4	232.4	7.42	219.6	6.92	207.8	6.45	203.1	6.21	193.9	5.98	184.8	5.74
		98.9	232.4	7.42	219.6	6.92	207.8	6.45	203.1	5.94	193.9	5.98	184.8	5.74
	95	26.4	232.4	6.98	219.6	6.52	207.8	5.98	203.1	6.05	193.9	5.49	184.8	5.33
		35.6	232.4	6.92	219.6	6.45	207.8	5.98	203.1	5.98	193.9	5.49	184.8	5.27
		65.9	232.4	6.70	219.6	6.21	207.8	5.98	203.1	5.74	193.9	5.49	184.8	5.02
		82.4	232.4	6.70	219.6	6.21	207.8	5.74	203.1	5.74	193.9	5.49	184.8	5.02
		98.9	232.4	6.70	219.6	6.21	207.8	5.47	203.1	5.74	193.9	5.49	184.8	5.02
	104	26.4	232.4	6.52	219.6	6.05	207.8	5.55	203.1	5.27	193.9	5.02	184.8	4.83
		35.6	232.4	6.45	219.6	5.98	207.8	5.49	203.1	5.27	193.9	5.02	184.8	4.77
		65.9	232.4	6.21	219.6	5.74	207.8	5.27	203.1	5.27	193.9	5.02	184.8	4.55
		82.4	232.4	6.21	219.6	5.74	207.8	5.27	203.1	5.02	193.9	4.77	184.8	4.55
		98.9	232.4	6.21	219.6	5.74	207.8	5.27	203.1	4.74	193.9	4.49	184.8	4.55
	113	26.4	232.4	6.05	219.6	5.55	207.8	5.14	203.1	4.49	193.9	4.55	184.8	4.37
		35.6	232.4	5.98	219.6	5.49	207.8	5.02	203.1	4.55	193.9	4.55	184.8	4.30
		65.9	232.4	5.74	219.6	5.27	207.8	4.55	203.1	4.77	193.9	4.55	184.8	4.06
		82.4	232.4	5.74	219.6	5.27	207.8	4.77	203.1	4.30	193.9	4.06	184.8	4.06
		98.9	232.4	5.74	219.6	5.27	207.8	5.02	203.1	3.77	193.9	3.50	184.8	4.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	26.4	79.8	7.02	74.8	6.75	70.8	6.48	69.9	6.03	69.7	5.93	68.4	5.30
		35.6	82.6	7.17	77.4	6.90	73.2	6.63	72.4	6.16	72.1	6.06	70.7	5.42
		65.9	93.7	7.79	87.6	7.49	82.9	7.20	82.1	6.68	81.8	6.58	80.1	5.89
		82.4	103.3	8.38	96.7	8.09	91.7	7.77	90.6	7.22	90.3	7.10	88.4	6.33
		98.9	114.2	9.05	107.0	8.77	101.7	8.42	100.2	7.83	99.9	7.69	97.8	6.83
	32	26.4	142.8	10.28	131.6	9.92	122.7	9.49	120.3	8.83	118.7	8.70	114.3	7.77
		35.6	143.7	10.31	132.3	9.94	123.5	9.52	121.0	8.85	119.4	8.73	114.9	7.79
		65.9	147.0	10.44	135.4	10.04	126.5	9.64	123.8	8.95	122.1	8.83	117.4	7.86
		82.4	149.2	10.44	137.6	10.04	128.5	9.64	125.7	8.95	124.0	8.83	119.4	7.86
		98.9	151.7	10.44	140.1	10.04	130.8	9.64	127.9	8.95	126.2	8.83	121.7	7.86
	41	26.4	197.4	11.20	186.1	10.78	178.5	10.33	174.1	9.62	166.6	9.47	158.6	8.44
		35.6	197.8	11.25	186.5	10.83	178.5	10.39	174.1	9.67	166.6	9.52	158.6	8.48
		65.9	199.5	11.47	187.9	11.05	178.5	10.61	174.1	9.87	166.6	9.72	158.6	8.66
		82.4	199.5	11.57	187.6	11.13	178.5	10.68	174.1	9.94	166.6	9.77	158.6	8.73
		98.9	199.5	11.68	187.3	11.22	178.5	10.76	174.1	10.02	166.6	9.83	158.6	8.81
	50	26.4	198.4	10.29	186.8	9.84	178.5	9.37	174.1	8.75	166.6	8.59	158.6	7.70
		35.6	198.6	10.29	187.0	9.84	178.5	9.37	174.1	8.78	166.6	8.58	158.6	7.72
		65.9	199.5	10.29	187.9	9.84	178.5	9.37	174.1	8.88	166.6	8.56	158.6	7.79
		82.4	199.5	10.31	187.6	9.74	178.5	9.27	174.1	8.78	166.6	8.48	158.6	7.72
		98.9	199.5	10.33	187.3	9.63	178.5	9.16	174.1	8.67	166.6	8.39	158.6	7.64
	59	26.4	199.5	9.39	187.6	8.92	178.5	8.41	174.1	7.89	166.6	7.70	158.6	6.92
		35.6	199.5	9.32	187.6	8.85	178.5	8.36	174.1	7.89	166.6	7.64	158.6	6.92
		65.9	199.5	9.08	187.6	8.61	178.5	8.14	174.1	7.89	166.6	7.42	158.6	6.92
		82.4	199.5	9.08	187.6	8.36	178.5	7.89	174.1	7.64	166.6	7.17	158.6	6.70
		98.9	199.5	9.08	187.6	8.08	178.5	7.61	174.1	7.36	166.6	6.89	158.6	6.45
	68	26.4	199.5	8.20	187.6	7.70	178.5	7.23	174.1	6.98	166.6	6.76	158.6	6.26
		35.6	199.5	8.14	187.6	7.64	178.5	7.17	174.1	6.92	166.6	6.70	158.6	6.21
		65.9	199.5	7.89	187.6	7.42	178.5	6.92	174.1	6.70	166.6	6.45	158.6	5.98
		82.4	199.5	7.89	187.6	7.42	178.5	6.92	174.1	6.70	166.6	6.45	158.6	5.98
		98.9	199.5	7.89	187.6	7.42	178.5	6.92	174.1	6.70	166.6	6.45	158.6	5.98
	77	26.4	199.5	7.23	187.6	6.76	178.5	6.21	174.1	6.26	166.6	5.74	158.6	5.55
		35.6	199.5	7.17	187.6	6.70	178.5	6.21	174.1	6.21	166.6	5.74	158.6	5.49
		65.9	199.5	6.92	187.6	6.45	178.5	6.21	174.1	5.98	166.6	5.74	158.6	5.27
		82.4	199.5	6.92	187.6	6.45	178.5	5.98	174.1	5.98	166.6	5.74	158.6	5.27
		98.9	199.5	6.92	187.6	6.45	178.5	5.72	174.1	5.98	166.6	5.74	158.6	5.27
	86	26.4	199.5	6.52	187.6	6.05	178.5	5.80	174.1	5.55	166.6	5.33	158.6	5.08
		35.6	199.5	6.45	187.6	5.98	178.5	5.74	174.1	5.49	166.6	5.27	158.6	5.02
		65.9	199.5	6.21	187.6	5.74	178.5	5.49	174.1	5.27	166.6	5.02	158.6	4.77
		82.4	199.5	6.21	187.6	5.74	178.5	5.49	174.1	5.27	166.6	5.02	158.6	4.77
		98.9	199.5	6.21	187.6	5.74	178.5	5.49	174.1	5.27	166.6	5.02	158.6	4.77
	95	26.4	199.5	5.74	187.6	5.55	178.5	5.02	174.1	5.08	166.6	4.83	158.6	4.61
		35.6	199.5	5.74	187.6	5.49	178.5	5.02	174.1	5.02	166.6	4.77	158.6	4.55
		65.9	199.5	5.74	187.6	5.27	178.5	5.02	174.1	4.77	166.6	4.55	158.6	4.30
		82.4	199.5	5.74	187.6	5.27	178.5	4.77	174.1	4.77	166.6	4.55	158.6	4.30
		98.9	199.5	5.74	187.6	5.27	178.5	4.49	174.1	4.77	166.6	4.55	158.6	4.30
	104	26.4	199.5	5.27	187.6	5.08	178.5	4.55	174.1	4.61	166.6	4.37	158.6	4.06
		35.6	199.5	5.27	187.6	5.02	178.5	4.55	174.1	4.55	166.6	4.30	158.6	4.06
		65.9	199.5	5.27	187.6	4.77	178.5	4.55	174.1	4.30	166.6	4.06	158.6	4.06
		82.4	199.5	5.27	187.6	4.77	178.5	4.55	174.1	4.30	166.6	4.06	158.6	4.06
		98.9	199.5	5.27	187.6	4.77	178.5	4.55	174.1	4.30	166.6	4.06	158.6	4.06
	113	26.4	199.5	4.77	187.6	4.61	178.5	4.06	174.1	4.11	166.6	3.90	158.6	3.52
		35.6	199.5	4.77	187.6	4.55	178.5	4.06	174.1	4.06	166.6	3.83	158.6	3.59
		65.9	199.5	4.77	187.6	4.30	178.5	4.06	174.1	3.83	166.6	3.59	158.6	3.83
		82.4	199.5	4.77	187.6	4.30	178.5	4.30	174.1	3.83	166.6	3.59	158.6	3.83
		98.9	199.5	4.77	187.6	4.30	178.5	4.57	174.1	3.83	166.6	3.59	158.6	3.83

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM264BAS5

264,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	26.4	66.6	5.59	62.6	5.30	59.0	5.01	58.2	4.74	57.9	4.45	56.9	4.22
		35.6	68.8	5.71	64.6	5.42	61.1	5.12	60.2	4.85	60.0	4.55	58.8	4.30
		65.9	77.6	6.18	72.9	5.89	69.1	5.54	68.2	5.27	68.0	4.95	66.6	4.65
		82.4	85.9	6.68	80.7	6.33	76.3	5.98	75.4	5.69	74.9	5.32	73.8	5.02
		98.9	95.3	7.25	89.5	6.83	84.5	6.48	83.6	6.17	82.7	5.74	82.0	5.44
	32	26.4	118.7	8.19	109.9	7.77	102.1	7.32	99.9	6.95	98.6	6.53	95.0	6.16
		35.6	119.4	8.21	110.5	7.79	102.8	7.34	100.6	6.97	99.2	6.55	95.6	6.18
		65.9	122.1	8.28	113.0	7.86	105.3	7.44	103.1	7.07	101.7	6.63	97.8	6.26
		82.4	124.0	8.28	114.7	7.86	106.6	7.44	104.7	7.07	103.1	6.63	99.5	6.26
		98.9	126.2	8.28	116.6	7.86	108.1	7.44	106.5	7.07	104.7	6.63	101.4	6.26
	41	26.4	164.0	8.91	155.5	8.44	148.3	7.97	144.8	7.58	138.4	7.12	132.1	6.69
		35.6	164.4	8.95	155.8	8.48	148.4	8.01	144.8	7.62	138.4	7.15	132.1	6.73
		65.9	165.8	9.13	156.9	8.66	148.6	8.19	144.8	7.77	138.4	7.27	132.1	6.87
		82.4	165.8	9.20	156.7	8.73	148.6	8.23	144.8	7.81	138.4	7.34	132.1	6.92
		98.9	165.8	9.28	156.5	8.81	148.6	8.28	144.8	7.86	138.4	7.42	132.1	6.98
	50	26.4	165.1	8.20	155.9	7.72	148.3	7.26	144.8	6.94	138.4	6.41	132.1	6.12
		35.6	165.2	8.19	156.1	7.72	148.4	7.25	144.8	6.92	138.4	6.43	132.1	6.11
		65.9	165.8	8.14	156.9	7.69	148.6	7.20	144.8	6.87	138.4	6.50	132.1	6.06
		82.4	165.8	8.19	156.7	7.72	148.6	7.22	144.8	6.90	138.4	6.40	132.1	6.08
		98.9	165.8	8.25	156.5	7.75	148.6	7.24	144.8	6.93	138.4	6.29	132.1	6.10
	59	26.4	165.8	7.48	156.7	6.98	148.6	6.52	144.8	6.26	138.4	5.74	132.1	5.55
		35.6	165.8	7.42	156.7	6.92	148.6	6.45	144.8	6.21	138.4	5.74	132.1	5.49
		65.9	165.8	7.17	156.7	6.70	148.6	6.21	144.8	5.98	138.4	5.74	132.1	5.27
		82.4	165.8	7.17	156.7	6.70	148.6	6.21	144.8	5.98	138.4	5.49	132.1	5.27
		98.9	165.8	7.17	156.7	6.70	148.6	6.21	144.8	5.98	138.4	5.21	132.1	5.27
	68	26.4	165.8	6.52	156.7	6.05	148.6	5.80	144.8	5.55	138.4	5.33	132.1	4.77
		35.6	165.8	6.45	156.7	5.98	148.6	5.74	144.8	5.49	138.4	5.27	132.1	4.77
		65.9	165.8	6.21	156.7	5.74	148.6	5.49	144.8	5.27	138.4	5.02	132.1	4.77
		82.4	165.8	6.21	156.7	5.74	148.6	5.49	144.8	5.27	138.4	5.02	132.1	4.77
		98.9	165.8	6.21	156.7	5.74	148.6	5.49	144.8	5.27	138.4	5.02	132.1	4.77
	77	26.4	165.8	5.80	156.7	5.27	148.6	5.08	144.8	4.77	138.4	4.55	132.1	4.30
		35.6	165.8	5.74	156.7	5.27	148.6	5.02	144.8	4.77	138.4	4.55	132.1	4.30
		65.9	165.8	5.49	156.7	5.27	148.6	4.77	144.8	4.77	138.4	4.55	132.1	4.30
		82.4	165.8	5.49	156.7	5.27	148.6	4.77	144.8	4.77	138.4	4.55	132.1	4.30
		98.9	165.8	5.49	156.7	5.27	148.6	4.77	144.8	4.77	138.4	4.55	132.1	4.30
	86	26.4	165.8	5.33	156.7	4.83	148.6	4.61	144.8	4.30	138.4	4.37	132.1	4.11
		35.6	165.8	5.27	156.7	4.77	148.6	4.55	144.8	4.30	138.4	4.30	132.1	4.06
		65.9	165.8	5.02	156.7	4.55	148.6	4.30	144.8	4.30	138.4	4.06	132.1	3.83
		82.4	165.8	5.02	156.7	4.55	148.6	4.30	144.8	4.30	138.4	4.06	132.1	3.83
		98.9	165.8	5.02	156.7	4.55	148.6	4.30	144.8	4.30	138.4	4.06	132.1	3.83
	95	26.4	165.8	4.83	156.7	4.30	148.6	4.06	144.8	4.11	138.4	3.83	132.1	3.59
		35.6	165.8	4.77	156.7	4.30	148.6	4.06	144.8	4.06	138.4	3.83	132.1	3.59
		65.9	165.8	4.55	156.7	4.30	148.6	4.06	144.8	3.83	138.4	3.83	132.1	3.59
		82.4	165.8	4.55	156.7	4.30	148.6	4.06	144.8	3.83	138.4	3.83	132.1	3.59
		98.9	165.8	4.55	156.7	4.30	148.6	4.06	144.8	3.83	138.4	3.83	132.1	3.59
	104	26.4	165.8	4.37	156.7	4.11	148.6	3.90	144.8	3.59	138.4	3.65	132.1	3.34
		35.6	165.8	4.30	156.7	4.06	148.6	3.83	144.8	3.59	138.4	3.59	132.1	3.34
		65.9	165.8	4.06	156.7	3.83	148.6	3.59	144.8	3.59	138.4	3.34	132.1	3.34
		82.4	165.8	4.06	156.7	3.83	148.6	3.59	144.8	3.59	138.4	3.34	132.1	3.34
		98.9	165.8	4.06	156.7	3.83	148.6	3.59	144.8	3.59	138.4	3.34	132.1	3.34
	113	26.4	165.8	3.90	156.7	3.96	148.6	3.70	144.8	3.06	138.4	3.46	132.1	3.12
		35.6	165.8	3.83	156.7	3.83	148.6	3.59	144.8	3.12	138.4	3.34	132.1	3.12
		65.9	165.8	3.59	156.7	3.34	148.6	3.12	144.8	3.34	138.4	2.87	132.1	3.12
		82.4	165.8	3.59	156.7	3.34	148.6	3.12	144.8	3.34	138.4	2.87	132.1	3.12
		98.9	165.8	3.59	156.7	3.34	148.6	3.12	144.8	3.34	138.4	2.87	132.1	3.12

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	28.4	153.3	16.34	152.2	15.39	151.2	14.32	149.2	13.90	150.9	13.54	146.8	12.14
		35.6	158.5	16.63	157.3	15.69	156.4	14.64	154.3	14.21	156.1	13.83	151.9	12.40
		71.0	179.3	17.76	177.8	16.87	176.9	15.87	174.5	15.42	176.6	14.99	172.1	13.45
		88.8	198.3	18.89	196.5	18.03	195.3	17.11	192.9	16.65	195.3	16.17	190.2	14.50
		106.6	207.9	19.46	205.9	18.61	204.6	17.74	202.2	17.28	204.7	16.77	199.3	15.03
	32	28.4	273.8	22.35	267.6	21.68	261.9	20.98	256.2	20.39	257.1	19.83	245.3	17.76
		35.6	275.5	22.41	269.1	21.74	263.4	21.04	257.7	20.45	258.6	19.88	246.8	17.81
		71.0	282.1	22.65	275.2	21.95	269.4	21.28	263.7	20.69	264.6	20.10	252.9	18.03
		88.8	286.3	22.65	279.4	21.95	273.7	21.28	267.6	20.69	268.5	20.10	256.5	18.03
		106.6	288.5	22.65	281.5	21.95	275.8	21.28	269.6	20.69	270.5	20.10	258.3	18.03
	41	28.4	394.4	24.02	388.4	23.43	380.3	22.83	370.7	22.19	360.8	21.58	340.9	19.32
		35.6	395.7	24.13	389.1	23.54	380.4	22.95	370.7	22.30	360.8	21.69	340.9	19.43
		71.0	401.2	24.56	391.8	23.97	380.7	23.41	370.7	22.76	360.8	22.12	340.9	19.83
		88.8	403.6	24.73	393.0	24.13	380.7	23.57	370.7	22.92	360.8	22.28	340.9	19.96
		106.6	404.8	24.81	393.6	24.21	380.7	23.65	370.7	23.00	360.8	22.36	340.9	20.03
	50	28.4	394.9	21.86	388.5	21.13	379.1	20.73	369.2	20.27	359.4	19.57	339.5	17.66
		35.6	397.2	21.82	390.3	21.15	380.7	20.77	370.7	20.26	360.8	19.56	340.9	17.65
		71.0	406.6	21.66	397.5	21.23	386.7	20.93	376.7	20.23	366.2	19.51	346.3	17.60
		88.8	408.7	21.95	400.3	21.52	389.1	21.01	378.6	20.31	368.6	19.83	348.4	18.43
		106.6	409.8	22.10	401.6	21.67	390.3	21.05	379.5	20.35	369.8	19.99	349.5	18.85
	59	28.4	395.5	19.70	388.5	18.86	377.6	18.66	367.7	18.35	358.0	17.57	338.1	16.01
		35.6	398.7	19.51	391.5	18.78	380.7	18.62	370.7	18.21	360.8	17.43	340.9	15.87
		71.0	411.7	18.73	403.3	18.46	392.7	18.46	382.8	17.68	371.6	16.90	351.7	15.34
		88.8	413.8	19.18	407.2	18.89	397.5	18.46	386.7	17.68	376.7	17.38	355.9	16.90
		106.6	414.9	19.41	409.2	19.10	400.0	18.46	388.7	17.68	379.3	17.62	358.1	17.68
	68	28.4	410.5	18.07	403.0	17.23	392.4	16.86	381.5	16.32	370.5	15.95	348.5	15.46
		35.6	413.8	17.95	406.3	17.22	395.4	16.84	384.6	16.39	373.7	16.06	351.7	15.34
		71.0	426.8	17.43	419.2	17.17	407.5	16.79	396.6	16.65	386.7	16.49	364.7	14.82
		88.8	428.6	17.43	422.3	17.17	412.3	16.90	400.6	16.65	389.7	16.49	367.7	15.77
		106.6	429.5	17.43	423.8	17.17	414.7	16.95	402.5	16.65	391.2	16.49	369.2	16.24
	77	28.4	433.4	17.23	422.3	16.74	412.3	16.45	404.5	16.18	395.4	15.94	372.8	14.89
		35.6	433.4	17.17	422.3	16.71	412.3	16.39	404.5	16.12	395.4	15.87	372.8	14.82
		71.0	433.4	16.90	422.3	16.60	412.3	16.12	404.5	15.87	395.4	15.60	372.8	14.56
		88.8	433.4	16.65	422.3	16.17	412.3	15.87	404.5	15.60	395.4	15.34	372.8	14.31
		106.6	433.4	16.53	422.3	15.95	412.3	15.75	404.5	15.47	395.4	15.20	372.8	14.19
	86	28.4	433.4	16.79	422.3	15.95	412.3	15.81	404.5	15.40	395.4	15.23	372.8	14.17
		35.6	433.4	16.65	422.3	15.93	412.3	15.71	404.5	15.34	395.4	15.09	372.8	14.04
		71.0	433.4	16.12	422.3	15.82	412.3	15.34	404.5	15.09	395.4	14.56	372.8	13.53
		88.8	433.4	15.87	422.3	15.39	412.3	15.09	404.5	14.82	395.4	14.56	372.8	13.53
		106.6	433.4	15.75	422.3	15.17	412.3	14.97	404.5	14.69	395.4	14.56	372.8	13.53
	95	28.4	433.4	16.01	422.3	15.48	412.3	15.16	404.5	14.62	395.4	14.11	372.8	13.12
		35.6	433.4	15.87	422.3	15.39	412.3	15.09	404.5	14.56	395.4	14.04	372.8	13.00
		71.0	433.4	15.34	422.3	15.04	412.3	14.82	404.5	14.31	395.4	13.78	372.8	12.48
		88.8	433.4	15.34	422.3	14.88	412.3	14.56	404.5	14.04	395.4	13.53	372.8	12.48
		106.6	433.4	15.34	422.3	14.80	412.3	14.42	404.5	13.91	395.4	13.41	372.8	12.48
	104	28.4	433.4	15.46	422.3	14.97	412.3	14.68	404.5	14.17	395.4	13.67	372.8	12.34
		35.6	433.4	15.34	422.3	14.88	412.3	14.56	404.5	14.04	395.4	13.53	372.8	12.21
		71.0	433.4	14.82	422.3	14.50	412.3	14.04	404.5	13.53	395.4	13.00	372.8	11.70
		88.8	433.4	14.56	422.3	14.26	412.3	14.04	404.5	13.53	395.4	13.00	372.8	11.70
		106.6	433.4	14.42	422.3	14.14	412.3	14.04	404.5	13.53	395.4	13.00	372.8	11.70
	113	28.4	433.4	14.95	422.3	14.46	412.3	14.24	404.5	13.73	395.4	13.19	372.8	11.56
		35.6	433.4	14.82	422.3	14.37	412.3	14.04	404.5	13.53	395.4	13.00	372.8	11.43
		71.0	433.4	14.31	422.3	13.99	412.3	13.26	404.5	12.75	395.4	12.21	372.8	10.92
		88.8	433.4	13.78	422.3	13.64	412.3	13.53	404.5	13.00	395.4	12.48	372.8	10.92
		106.6	433.4	13.50	422.3	13.46	412.3	13.67	404.5	13.12	395.4	12.62	372.8	10.92

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM288BAS5

288,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	28.4	145.7	16.34	144.5	15.39	143.6	14.32	141.9	13.72	143.0	13.32	139.3	11.92
		35.6	150.7	16.63	149.5	15.69	148.6	14.64	146.8	14.02	148.0	13.61	144.1	12.19
		71.0	170.6	17.76	169.1	16.87	168.2	15.87	166.1	15.20	167.6	14.77	163.1	13.24
		88.8	188.4	18.89	186.9	18.03	185.7	17.11	183.5	16.41	185.1	15.93	179.9	14.26
		106.6	197.3	19.46	195.8	18.61	194.5	17.74	192.4	17.02	193.9	16.51	188.4	14.77
	32	28.4	260.4	22.35	254.1	21.68	248.6	20.98	243.6	20.09	243.6	19.53	232.4	17.46
		35.6	261.9	22.41	255.6	21.74	250.2	21.04	245.0	20.15	245.0	19.59	233.9	17.52
		71.0	267.9	22.65	261.6	21.95	256.2	21.28	250.8	20.39	250.8	19.80	239.6	17.73
		88.8	272.2	22.65	265.8	21.95	260.1	21.28	254.7	20.39	254.4	19.80	243.2	17.73
		106.6	274.3	22.65	268.0	21.95	262.1	21.28	256.7	20.39	256.2	19.80	245.0	17.73
	41	28.4	375.4	24.02	369.7	23.43	361.7	22.83	352.9	21.87	341.8	21.25	323.1	19.03
		35.6	376.7	24.13	370.4	23.54	361.7	22.95	352.9	21.98	341.8	21.36	323.1	19.13
		71.0	382.2	24.56	373.1	23.97	361.7	23.41	352.9	22.44	341.8	21.79	323.1	19.51
		88.8	384.3	24.73	371.0	24.13	361.7	23.57	352.9	22.60	341.8	21.95	323.1	19.64
		106.6	385.3	24.81	370.0	24.21	361.7	23.65	352.9	22.68	341.8	22.04	323.1	19.71
	50	28.4	376.8	21.58	369.8	20.98	360.7	20.56	351.9	19.94	340.9	19.28	322.3	17.33
		35.6	378.6	21.66	371.3	21.07	361.7	20.64	352.9	19.96	341.8	19.26	323.1	17.35
		71.0	385.5	21.95	377.3	21.39	365.6	20.93	356.9	20.07	345.4	19.21	326.4	17.43
		88.8	387.6	21.87	376.1	21.39	367.1	21.01	358.4	20.15	346.9	19.29	327.9	18.03
		106.6	388.7	21.83	375.5	21.39	367.9	21.05	359.1	20.19	347.7	19.33	328.7	18.32
	59	28.4	377.9	19.14	370.2	18.58	359.6	18.29	351.0	18.01	340.0	17.29	321.3	15.67
		35.6	380.1	19.18	372.5	18.62	361.7	18.32	352.9	17.95	341.8	17.17	323.1	15.60
		71.0	388.8	19.34	381.6	18.78	369.8	18.46	360.8	17.68	348.7	16.65	330.0	15.34
		88.8	390.9	19.05	381.3	18.62	372.8	18.46	363.8	17.68	351.7	16.65	333.0	16.39
		106.6	392.0	18.90	381.1	18.54	374.3	18.46	365.3	17.68	353.2	16.65	334.6	16.91
	68	28.4	388.4	17.22	381.1	16.49	369.6	16.05	359.4	15.81	347.7	15.62	329.0	14.83
		35.6	390.9	17.22	383.4	16.55	371.6	16.12	361.7	15.87	349.9	15.60	330.9	14.77
		71.0	400.9	17.22	392.4	16.79	379.8	16.39	370.7	16.12	358.7	15.55	338.8	14.56
		88.8	402.7	17.06	392.1	16.65	382.8	16.39	372.8	16.12	360.8	15.60	340.9	15.09
		106.6	403.6	16.98	392.0	16.59	384.3	16.39	373.9	16.12	361.8	15.63	341.9	15.36
	77	28.4	407.3	16.28	395.4	15.52	382.8	15.23	374.6	14.89	364.7	14.62	344.8	13.60
		35.6	407.5	16.22	395.4	15.50	382.8	15.20	374.6	14.82	364.7	14.56	344.8	13.53
		71.0	408.4	15.98	395.4	15.39	382.8	15.09	374.6	14.56	364.7	14.31	344.8	13.26
		88.8	409.6	15.39	395.4	14.99	382.8	14.82	374.6	14.56	364.7	14.04	344.8	13.26
		106.6	410.2	15.09	395.4	14.78	382.8	14.69	374.6	14.56	364.7	13.91	344.8	13.26
	86	28.4	409.6	15.57	395.4	14.81	382.8	14.38	374.6	13.84	364.7	13.67	344.8	12.55
		35.6	409.6	15.44	395.4	14.72	382.8	14.31	374.6	13.78	364.7	13.53	344.8	12.48
		71.0	409.6	14.93	395.4	14.37	382.8	14.04	374.6	13.53	364.7	13.00	344.8	12.21
		88.8	409.6	14.45	395.4	14.04	382.8	13.78	374.6	13.53	364.7	13.00	344.8	11.97
		106.6	409.6	14.20	395.4	13.88	382.8	13.64	374.6	13.53	364.7	13.00	344.8	11.85
	95	28.4	409.6	14.87	395.4	14.07	382.8	13.67	374.6	13.12	364.7	12.61	344.8	11.50
		35.6	409.6	14.66	395.4	13.94	382.8	13.53	374.6	13.00	364.7	12.48	344.8	11.43
		71.0	409.6	13.83	395.4	13.43	382.8	13.00	374.6	12.48	364.7	11.97	344.8	11.19
		88.8	409.6	13.67	395.4	13.32	382.8	13.00	374.6	12.48	364.7	11.97	344.8	10.92
		106.6	409.6	13.59	395.4	13.26	382.8	13.00	374.6	12.48	364.7	11.97	344.8	10.79
	104	28.4	409.6	14.43	395.4	13.42	382.8	12.89	374.6	12.34	364.7	11.83	344.8	10.72
		35.6	409.6	14.15	395.4	13.26	382.8	12.75	374.6	12.21	364.7	11.70	344.8	10.65
		71.0	409.6	13.05	395.4	12.65	382.8	12.21	374.6	11.70	364.7	11.19	344.8	10.41
		88.8	409.6	12.89	395.4	12.48	382.8	12.21	374.6	11.70	364.7	11.19	344.8	10.14
		106.6	409.6	12.81	395.4	12.40	382.8	12.21	374.6	11.70	364.7	11.19	344.8	10.01
	113	28.4	409.6	13.99	395.4	12.77	382.8	12.11	374.6	11.56	364.7	11.05	344.8	9.94
		35.6	409.6	13.64	395.4	12.59	382.8	11.97	374.6	11.43	364.7	10.92	344.8	9.87
		71.0	409.6	12.27	395.4	11.87	382.8	11.43	374.6	10.92	364.7	10.41	344.8	9.63
		88.8	409.6	12.11	395.4	11.65	382.8	11.43	374.6	10.92	364.7	10.41	344.8	9.36
		106.6	409.6	12.03	395.4	11.54	382.8	11.43	374.6	10.92	364.7	10.41	344.8	9.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	28.4	137.8	16.56	136.9	15.39	136.0	14.32	134.6	13.72	135.0	13.32	132.0	11.92
		35.6	142.6	16.84	141.7	15.69	140.8	14.64	139.2	14.02	139.5	13.61	136.5	12.19
		71.0	161.2	17.97	160.3	16.87	159.4	15.87	157.6	15.20	157.6	14.77	154.6	13.24
		88.8	178.1	19.13	176.9	18.03	176.0	17.11	174.2	16.41	174.2	15.93	170.6	14.26
		106.6	186.6	19.71	185.3	18.61	184.4	17.74	182.6	17.02	182.6	16.51	178.6	14.77
	32	28.4	246.3	22.65	240.9	21.68	235.8	20.98	231.3	20.09	229.2	19.53	220.5	17.46
		35.6	247.7	22.71	242.3	21.74	237.2	21.04	232.7	20.15	230.6	19.59	221.8	17.52
		71.0	253.5	22.92	248.0	21.95	242.6	21.28	238.1	20.39	236.0	19.80	227.0	17.73
		88.8	257.4	22.92	252.0	21.95	246.5	21.28	241.7	20.39	239.6	19.80	230.3	17.73
		106.6	259.4	22.92	253.9	21.95	248.5	21.28	243.5	20.39	241.4	19.80	231.9	17.73
	41	28.4	359.3	24.35	350.7	23.43	342.6	22.83	334.9	21.87	321.9	21.25	306.2	19.03
		35.6	360.5	24.46	351.4	23.54	342.7	22.95	334.9	21.98	321.9	21.36	306.2	19.13
		71.0	365.3	24.89	354.1	23.97	343.0	23.41	334.9	22.44	321.9	21.79	306.2	19.51
		88.8	367.4	25.05	355.0	24.13	343.0	23.57	334.9	22.60	321.9	21.95	306.2	19.64
		106.6	368.5	25.13	355.5	24.21	343.0	23.65	334.9	22.68	321.9	22.04	306.2	19.71
	50	28.4	360.6	21.83	351.7	21.09	342.2	20.63	334.3	19.94	321.4	19.28	305.8	17.33
		35.6	362.0	21.87	352.6	21.15	342.7	20.69	334.9	19.96	321.9	19.26	306.2	17.35
		71.0	367.4	22.04	356.2	21.39	344.8	20.93	337.0	20.07	324.0	19.21	307.7	17.43
		88.8	369.5	22.04	357.8	21.39	346.0	20.88	337.6	20.02	324.6	19.29	308.6	17.62
		106.6	370.6	22.04	358.5	21.39	346.6	20.85	337.9	19.99	324.9	19.33	309.1	17.72
	59	28.4	361.7	19.32	352.2	18.78	342.0	18.46	333.9	18.01	320.8	17.29	305.5	15.67
		35.6	363.2	19.29	353.5	18.78	343.0	18.46	334.9	17.95	321.9	17.17	306.2	15.60
		71.0	369.2	19.18	358.7	18.78	346.9	18.46	338.8	17.68	326.1	16.65	309.2	15.34
		88.8	371.3	19.05	360.5	18.62	348.7	18.21	340.0	17.43	327.0	16.65	311.0	15.60
		106.6	372.4	18.98	361.4	18.54	349.6	18.09	340.6	17.31	327.5	16.65	312.0	15.74
	68	28.4	368.4	16.67	358.3	16.28	346.8	15.87	337.5	15.60	325.1	15.16	308.0	14.18
		35.6	370.4	16.71	359.6	16.28	347.8	15.87	338.8	15.60	326.1	15.09	309.2	14.15
		71.0	378.3	16.84	364.4	16.28	351.7	15.87	343.9	15.60	330.0	14.82	314.1	14.04
		88.8	380.4	16.84	367.4	16.28	353.8	15.87	344.8	15.34	331.8	14.82	315.0	14.04
		106.6	381.4	16.84	368.9	16.28	354.9	15.87	345.3	15.20	332.7	14.82	315.4	14.04
	77	28.4	379.9	15.17	368.6	14.62	353.8	14.38	346.0	13.84	333.9	13.33	316.2	12.21
		35.6	380.7	15.15	368.6	14.56	353.8	14.31	346.0	13.78	333.9	13.26	316.2	12.21
		71.0	383.7	15.04	368.6	14.31	353.8	14.04	346.0	13.53	333.9	13.00	316.2	12.21
		88.8	385.5	15.04	368.6	14.37	353.8	13.78	346.0	13.53	333.9	12.75	316.2	11.97
		106.6	386.4	15.04	368.6	14.39	353.8	13.64	346.0	13.53	333.9	12.63	316.2	11.85
	86	28.4	385.5	13.84	368.6	13.33	353.8	12.82	346.0	12.55	333.9	11.77	316.2	10.99
		35.6	385.5	13.78	368.6	13.26	353.8	12.75	346.0	12.48	333.9	11.70	316.2	10.92
		71.0	385.5	13.53	368.6	13.00	353.8	12.48	346.0	12.21	333.9	11.43	316.2	10.65
		88.8	385.5	13.43	368.6	12.75	353.8	12.21	346.0	11.97	333.9	11.43	316.2	10.65
		106.6	385.5	13.37	368.6	12.63	353.8	12.08	346.0	11.85	333.9	11.43	316.2	10.65
	95	28.4	385.5	13.12	368.6	12.28	353.8	11.77	346.0	11.26	333.9	10.72	316.2	9.94
		35.6	385.5	13.00	368.6	12.21	353.8	11.70	346.0	11.19	333.9	10.65	316.2	9.87
		71.0	385.5	12.48	368.6	11.97	353.8	11.43	346.0	10.92	333.9	10.41	316.2	9.63
		88.8	385.5	12.16	368.6	11.70	353.8	11.19	346.0	10.92	333.9	10.41	316.2	9.63
		106.6	385.5	12.00	368.6	11.57	353.8	11.07	346.0	10.92	333.9	10.41	316.2	9.63
	104	28.4	385.5	12.34	368.6	11.83	353.8	11.05	346.0	10.48	333.9	9.94	316.2	9.15
		35.6	385.5	12.21	368.6	11.70	353.8	10.92	346.0	10.41	333.9	9.87	316.2	9.09
		71.0	385.5	11.70	368.6	11.19	353.8	10.41	346.0	10.14	333.9	9.63	316.2	8.85
		88.8	385.5	11.54	368.6	10.92	353.8	10.41	346.0	9.87	333.9	9.36	316.2	8.58
		106.6	385.5	11.46	368.6	10.79	353.8	10.41	346.0	9.74	333.9	9.23	316.2	8.45
	113	28.4	385.5	11.56	368.6	11.39	353.8	10.34	346.0	9.70	333.9	9.15	316.2	8.37
		35.6	385.5	11.43	368.6	11.19	353.8	10.14	346.0	9.63	333.9	9.09	316.2	8.31
		71.0	385.5	10.92	368.6	10.41	353.8	9.36	346.0	9.36	333.9	8.85	316.2	8.07
		88.8	385.5	10.92	368.6	10.14	353.8	9.63	346.0	8.85	333.9	8.31	316.2	7.53
		106.6	385.5	10.92	368.6	10.01	353.8	9.77	346.0	8.59	333.9	8.04	316.2	7.26

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM288BAS5

288,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	28.4	130.2	16.56	129.3	15.60	128.8	14.32	127.7	13.72	126.5	13.11	124.1	11.92
		35.6	134.7	16.84	133.8	15.90	133.2	14.64	132.0	14.02	130.8	13.40	128.4	12.19
		71.0	152.5	17.97	151.6	17.08	150.7	15.87	149.2	15.20	148.0	14.56	145.6	13.24
		88.8	168.5	19.13	167.3	18.27	166.4	17.11	164.9	16.41	163.7	15.69	160.6	14.26
		106.6	176.5	19.71	175.2	18.86	174.3	17.74	172.8	17.02	171.6	16.25	168.2	14.77
	32	28.4	232.8	22.65	227.7	21.98	222.9	20.98	219.0	20.09	215.1	19.24	207.6	17.46
		35.6	234.2	22.71	229.1	22.04	224.2	21.04	220.3	20.15	216.4	19.29	208.9	17.52
		71.0	239.6	22.92	234.5	22.25	229.4	21.28	225.4	20.39	221.5	19.51	213.7	17.73
		88.8	243.2	22.92	238.1	22.25	233.0	21.28	228.8	20.39	224.8	19.51	217.0	17.73
		106.6	245.0	22.92	239.9	22.25	234.8	21.28	230.4	20.39	226.5	19.51	218.7	17.73
	41	28.4	343.6	24.35	332.1	23.76	323.6	22.83	317.1	21.87	302.0	20.93	288.1	19.03
		35.6	344.8	24.46	332.7	23.86	323.7	22.95	317.1	21.98	302.0	21.04	288.1	19.13
		71.0	349.6	24.89	335.2	24.30	324.0	23.41	317.1	22.44	302.0	21.47	288.1	19.51
		88.8	351.7	25.05	336.1	24.46	324.0	23.57	317.1	22.60	302.0	21.60	288.1	19.64
		106.6	352.8	25.13	336.5	24.54	324.0	23.65	317.1	22.68	302.0	21.67	288.1	19.71
	50	28.4	345.5	21.77	333.2	21.29	324.0	20.63	317.1	19.94	302.0	18.95	288.1	17.33
		35.6	346.3	21.87	333.6	21.36	324.0	20.69	317.1	19.96	302.0	18.97	288.1	17.35
		71.0	349.6	22.28	335.5	21.63	324.0	20.93	317.1	20.07	302.0	19.05	288.1	17.43
		88.8	352.0	22.20	337.0	21.63	324.0	20.88	317.1	20.02	302.0	18.99	288.1	17.35
		106.6	353.2	22.16	337.7	21.63	324.0	20.85	317.1	19.99	302.0	18.97	288.1	17.31
	59	28.4	347.4	19.20	334.6	18.87	324.0	18.46	317.1	18.01	302.0	16.96	288.1	15.67
		35.6	347.8	19.29	334.9	18.89	324.0	18.46	317.1	17.95	302.0	16.90	288.1	15.60
		71.0	349.6	19.67	335.8	18.94	324.0	18.46	317.1	17.68	302.0	16.65	288.1	15.34
		88.8	352.6	19.34	337.6	18.78	324.0	18.21	317.1	17.43	302.0	16.39	288.1	15.09
		106.6	354.2	19.18	338.5	18.70	324.0	18.09	317.1	17.31	302.0	16.25	288.1	14.97
	68	28.4	349.2	16.42	336.4	15.99	324.0	15.60	317.1	15.40	302.0	14.38	288.1	13.67
		35.6	350.5	16.49	336.7	16.01	324.0	15.60	317.1	15.34	302.0	14.31	288.1	13.53
		71.0	355.6	16.79	337.6	16.06	324.0	15.60	317.1	15.09	302.0	14.04	288.1	13.00
		88.8	357.8	16.49	340.6	15.93	324.0	15.34	317.1	14.82	302.0	13.78	288.1	12.75
		106.6	358.8	16.34	342.1	15.86	324.0	15.20	317.1	14.69	302.0	13.64	288.1	12.63
	77	28.4	353.4	14.35	341.8	13.90	324.0	13.33	317.1	12.82	302.0	12.04	288.1	10.92
		35.6	354.7	14.37	341.8	13.83	324.0	13.26	317.1	12.75	302.0	11.97	288.1	10.92
		71.0	359.9	14.42	341.8	13.53	324.0	13.00	317.1	12.48	302.0	11.70	288.1	10.92
		88.8	361.7	14.10	341.8	13.43	324.0	12.75	317.1	12.21	302.0	11.70	288.1	10.65
		106.6	362.6	13.94	341.8	13.37	324.0	12.63	317.1	12.08	302.0	11.70	288.1	10.52
	86	28.4	361.7	13.06	341.8	12.04	324.0	11.22	317.1	10.99	302.0	10.14	288.1	9.70
		35.6	361.7	13.00	341.8	11.97	324.0	11.19	317.1	10.92	302.0	10.14	288.1	9.63
		71.0	361.7	12.75	341.8	11.70	324.0	11.08	317.1	10.65	302.0	10.14	288.1	9.36
		88.8	361.7	12.48	341.8	11.70	324.0	10.92	317.1	10.65	302.0	9.87	288.1	9.36
		106.6	361.7	12.35	341.8	11.70	324.0	10.84	317.1	10.65	302.0	9.74	288.1	9.36
	95	28.4	361.7	12.11	341.8	11.05	324.0	9.90	317.1	9.70	302.0	9.15	288.1	8.37
		35.6	361.7	11.97	341.8	10.92	324.0	9.87	317.1	9.63	302.0	9.09	288.1	8.31
		71.0	361.7	11.43	341.8	10.41	324.0	9.77	317.1	9.36	302.0	8.85	288.1	8.07
		88.8	361.7	11.43	341.8	10.41	324.0	9.63	317.1	9.36	302.0	8.85	288.1	8.07
		106.6	361.7	11.43	341.8	10.41	324.0	9.56	317.1	9.36	302.0	8.85	288.1	8.07
	104	28.4	361.7	11.33	341.8	10.27	324.0	8.88	317.1	8.65	302.0	8.14	288.1	7.59
		35.6	361.7	11.19	341.8	10.14	324.0	8.85	317.1	8.58	302.0	8.07	288.1	7.53
		71.0	361.7	10.65	341.8	9.63	324.0	8.74	317.1	8.31	302.0	7.80	288.1	7.29
		88.8	361.7	10.41	341.8	9.63	324.0	8.58	317.1	8.31	302.0	7.80	288.1	7.29
		106.6	361.7	10.29	341.8	9.63	324.0	8.50	317.1	8.31	302.0	7.80	288.1	7.29
	113	28.4	361.7	10.55	341.8	9.49	324.0	7.83	317.1	7.59	302.0	7.09	288.1	6.81
		35.6	361.7	10.41	341.8	9.36	324.0	7.80	317.1	7.53	302.0	7.02	288.1	6.75
		71.0	361.7	9.87	341.8	8.85	324.0	7.69	317.1	7.29	302.0	6.75	288.1	6.51
		88.8	361.7	9.36	341.8	8.85	324.0	7.53	317.1	7.29	302.0	6.75	288.1	6.51
		106.6	361.7	9.11	341.8	8.85	324.0	7.45	317.1	7.29	302.0	6.75	288.1	6.51

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	28.4	122.9	15.37	119.2	13.99	115.7	12.29	114.8	11.71	113.9	11.29	111.9	10.13
		35.6	127.2	15.63	123.3	14.26	119.7	12.56	118.7	11.97	117.8	11.54	115.7	10.36
		71.0	144.1	16.68	139.5	15.31	135.3	13.64	134.4	13.00	133.5	12.54	130.8	11.25
		88.8	159.1	17.73	154.0	16.39	149.5	14.72	148.3	14.02	147.4	13.51	144.7	12.13
		106.6	166.7	18.26	161.3	16.93	156.6	15.26	155.3	14.53	154.4	13.99	151.7	12.58
	32	28.4	219.9	20.93	209.8	19.64	200.1	18.03	197.2	17.20	193.9	16.55	186.6	14.86
		35.6	221.2	20.99	211.0	19.69	201.3	18.08	198.3	17.25	195.0	16.60	187.8	14.91
		71.0	226.3	21.20	215.8	19.91	206.2	18.27	202.8	17.43	199.5	16.79	192.3	15.07
		88.8	229.7	21.20	219.1	19.91	209.5	18.27	205.9	17.43	202.8	16.79	195.3	15.07
		106.6	231.3	21.20	220.8	19.91	211.1	18.27	207.4	17.43	204.5	16.79	196.8	15.07
	41	28.4	310.7	22.47	300.7	21.21	291.1	19.63	285.1	18.71	272.5	18.01	259.5	16.17
		35.6	311.0	22.57	300.5	21.31	291.1	19.72	285.1	18.81	272.5	18.11	259.5	16.25
		71.0	312.2	22.98	299.6	21.71	291.1	20.10	285.1	19.18	272.5	18.48	259.5	16.57
		88.8	314.1	23.11	300.5	21.85	291.1	20.26	285.1	19.32	272.5	18.62	259.5	16.71
		106.6	315.0	23.18	300.9	21.91	291.1	20.34	285.1	19.39	272.5	18.69	259.5	16.78
	50	28.4	312.4	19.84	301.8	18.87	291.1	17.76	285.1	17.04	272.5	16.34	259.5	14.73
		35.6	312.2	19.86	301.4	18.89	291.1	17.78	285.1	17.06	272.5	16.33	259.5	14.74
		71.0	311.6	19.91	299.9	18.97	291.1	17.86	285.1	17.14	272.5	16.28	259.5	14.80
		88.8	313.8	19.86	300.8	18.91	291.1	17.81	285.1	17.08	272.5	16.33	259.5	14.85
		106.6	314.8	19.83	301.2	18.89	291.1	17.78	285.1	17.06	272.5	16.36	259.5	14.88
	59	28.4	314.0	17.18	302.8	16.56	291.1	15.94	285.1	15.40	272.5	14.68	259.5	13.33
		35.6	313.5	17.11	302.3	16.49	291.1	15.87	285.1	15.34	272.5	14.56	259.5	13.26
		71.0	311.3	16.84	300.2	16.22	291.1	15.60	285.1	15.09	272.5	14.04	259.5	13.00
		88.8	313.5	16.60	301.1	15.98	291.1	15.34	285.1	14.82	272.5	14.04	259.5	13.00
		106.6	314.5	16.48	301.5	15.86	291.1	15.20	285.1	14.69	272.5	14.04	259.5	13.00
	68	28.4	315.9	14.50	304.1	14.09	291.1	13.60	285.1	13.06	272.5	12.61	259.5	11.83
		35.6	315.6	14.50	303.5	14.04	291.1	13.53	285.1	13.00	272.5	12.48	259.5	11.70
		71.0	314.4	14.50	301.1	13.88	291.1	13.26	285.1	12.75	272.5	11.97	259.5	11.19
		88.8	315.3	14.26	302.0	13.78	291.1	13.26	285.1	12.75	272.5	11.97	259.5	11.19
		106.6	315.7	14.14	302.5	13.72	291.1	13.26	285.1	12.75	272.5	11.97	259.5	11.19
	77	28.4	321.1	12.67	308.0	12.00	291.1	11.50	285.1	10.92	272.5	10.48	259.5	9.70
		35.6	321.9	12.65	308.0	11.97	291.1	11.43	285.1	10.92	272.5	10.41	259.5	9.63
		71.0	324.9	12.54	308.0	11.87	291.1	11.19	285.1	10.92	272.5	10.14	259.5	9.36
		88.8	326.1	12.21	308.0	11.60	291.1	11.19	285.1	10.65	272.5	10.14	259.5	9.36
		106.6	326.7	12.05	308.0	11.46	291.1	11.19	285.1	10.52	272.5	10.14	259.5	9.36
	86	28.4	326.1	11.50	308.0	10.72	291.1	9.94	285.1	9.70	272.5	9.15	259.5	8.31
		35.6	326.1	11.43	308.0	10.65	291.1	9.87	285.1	9.63	272.5	9.09	259.5	8.31
		71.0	326.1	11.19	308.0	10.41	291.1	9.63	285.1	9.36	272.5	8.85	259.5	8.31
		88.8	326.1	10.92	308.0	10.14	291.1	9.63	285.1	9.36	272.5	8.85	259.5	8.07
		106.6	326.1	10.79	308.0	10.01	291.1	9.63	285.1	9.36	272.5	8.85	259.5	7.95
	95	28.4	326.1	10.48	308.0	9.70	291.1	8.92	285.1	8.65	272.5	8.14	259.5	7.59
		35.6	326.1	10.41	308.0	9.63	291.1	8.85	285.1	8.58	272.5	8.07	259.5	7.53
		71.0	326.1	10.14	308.0	9.36	291.1	8.58	285.1	8.31	272.5	7.80	259.5	7.29
		88.8	326.1	9.87	308.0	9.09	291.1	8.31	285.1	8.07	272.5	7.80	259.5	7.29
		106.6	326.1	9.74	308.0	8.96	291.1	8.18	285.1	7.95	272.5	7.80	259.5	7.29
	104	28.4	326.1	9.77	308.0	8.92	291.1	7.87	285.1	7.59	272.5	7.36	259.5	6.81
		35.6	326.1	9.63	308.0	8.85	291.1	7.80	285.1	7.53	272.5	7.29	259.5	6.75
		71.0	326.1	9.09	308.0	8.58	291.1	7.53	285.1	7.29	272.5	7.02	259.5	6.51
		88.8	326.1	9.09	308.0	8.58	291.1	7.53	285.1	7.29	272.5	7.02	259.5	6.51
		106.6	326.1	9.09	308.0	8.58	291.1	7.53	285.1	7.29	272.5	7.02	259.5	6.51
	113	28.4	326.1	9.05	308.0	8.14	291.1	6.81	285.1	6.58	272.5	6.58	259.5	6.03
		35.6	326.1	8.85	308.0	8.07	291.1	6.75	285.1	6.51	272.5	6.51	259.5	5.97
		71.0	326.1	8.07	308.0	7.80	291.1	6.51	285.1	6.24	272.5	6.24	259.5	5.73
		88.8	326.1	8.31	308.0	8.07	291.1	6.75	285.1	6.51	272.5	6.24	259.5	5.73
		106.6	326.1	8.44	308.0	8.21	291.1	6.88	285.1	6.65	272.5	6.24	259.5	5.73

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM288BAS5



288,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	28.4	116.3	10.95	109.0	10.53	103.2	10.09	102.0	9.74	101.4	9.29	99.4	8.56
		35.6	120.3	11.19	112.7	10.76	106.7	10.30	105.5	9.95	104.9	9.50	102.8	8.74
		71.0	135.9	12.16	127.5	11.68	120.6	11.17	119.4	10.79	118.7	10.30	116.3	9.47
		88.8	150.4	13.10	140.8	12.59	133.2	12.05	131.7	11.65	131.1	11.11	128.4	10.22
		106.6	157.7	13.58	147.4	13.05	139.6	12.50	137.9	12.08	137.3	11.52	134.5	10.60
	32	28.4	207.6	16.07	191.4	15.42	178.3	14.78	174.9	14.27	172.5	13.60	166.0	12.53
		35.6	208.9	16.12	192.6	15.47	179.3	14.82	176.0	14.31	173.6	13.64	167.0	12.56
		71.0	214.0	16.30	197.1	15.66	183.5	14.99	180.2	14.47	177.8	13.80	170.9	12.70
		88.8	217.0	16.30	200.1	15.66	186.6	14.99	182.9	14.47	180.5	13.80	173.6	12.70
		106.6	218.5	16.30	201.6	15.66	188.1	14.99	184.3	14.47	181.9	13.80	175.0	12.70
	41	28.4	287.2	17.47	271.0	16.81	259.1	16.05	253.5	15.52	242.6	14.80	230.6	13.62
		35.6	287.8	17.57	271.6	16.90	259.2	16.14	253.5	15.60	242.6	14.88	230.6	13.69
		71.0	290.2	17.95	273.7	17.22	259.5	16.49	253.5	15.93	242.6	15.17	230.6	13.99
		88.8	290.2	18.05	273.4	17.35	259.5	16.60	253.5	16.04	242.6	15.28	230.6	14.07
		106.6	290.2	18.11	273.2	17.42	259.5	16.65	253.5	16.09	242.6	15.34	230.6	14.11
	50	28.4	288.7	16.08	272.2	15.36	259.1	14.58	253.5	14.17	242.6	13.42	230.6	12.42
		35.6	289.0	16.06	272.5	15.34	259.2	14.58	253.5	14.18	242.6	13.43	230.6	12.43
		71.0	290.2	15.98	273.7	15.26	259.5	14.61	253.5	14.21	242.6	13.45	230.6	12.46
		88.8	290.2	15.93	273.4	15.31	259.5	14.66	253.5	14.13	242.6	13.37	230.6	12.38
		106.6	290.2	15.90	273.2	15.34	259.5	14.69	253.5	14.08	242.6	13.33	230.6	12.34
	59	28.4	290.2	14.68	273.4	13.90	259.5	13.06	253.5	12.82	242.6	12.04	230.6	11.26
		35.6	290.2	14.56	273.4	13.78	259.5	13.00	253.5	12.75	242.6	11.97	230.6	11.19
		71.0	290.2	14.04	273.4	13.26	259.5	12.75	253.5	12.48	242.6	11.70	230.6	10.92
		88.8	290.2	13.78	273.4	13.26	259.5	12.75	253.5	12.21	242.6	11.43	230.6	10.65
		106.6	290.2	13.64	273.4	13.26	259.5	12.75	253.5	12.08	242.6	11.30	230.6	10.52
	68	28.4	290.2	12.28	273.4	11.77	259.5	11.19	253.5	10.99	242.6	10.48	230.6	9.70
		35.6	290.2	12.21	273.4	11.70	259.5	11.19	253.5	10.92	242.6	10.41	230.6	9.63
		71.0	290.2	11.97	273.4	11.43	259.5	11.19	253.5	10.65	242.6	10.14	230.6	9.36
		88.8	290.2	11.70	273.4	11.19	259.5	10.92	253.5	10.65	242.6	9.87	230.6	9.36
		106.6	290.2	11.57	273.4	11.07	259.5	10.79	253.5	10.65	242.6	9.74	230.6	9.36
	77	28.4	290.2	10.99	273.4	10.21	259.5	9.63	253.5	9.43	242.6	8.92	230.6	8.37
		35.6	290.2	10.92	273.4	10.14	259.5	9.63	253.5	9.36	242.6	8.85	230.6	8.31
		71.0	290.2	10.65	273.4	9.87	259.5	9.63	253.5	9.09	242.6	8.58	230.6	8.07
		88.8	290.2	10.41	273.4	9.87	259.5	9.36	253.5	9.09	242.6	8.58	230.6	8.07
		106.6	290.2	10.29	273.4	9.87	259.5	9.23	253.5	9.09	242.6	8.58	230.6	8.07
	86	28.4	290.2	9.70	273.4	9.15	259.5	8.65	253.5	8.37	242.6	7.87	230.6	7.36
		35.6	290.2	9.63	273.4	9.09	259.5	8.58	253.5	8.31	242.6	7.80	230.6	7.29
		71.0	290.2	9.36	273.4	8.85	259.5	8.31	253.5	8.07	242.6	7.53	230.6	7.02
		88.8	290.2	9.36	273.4	8.85	259.5	8.31	253.5	8.07	242.6	7.53	230.6	7.02
		106.6	290.2	9.36	273.4	8.85	259.5	8.31	253.5	8.07	242.6	7.53	230.6	7.02
	95	28.4	290.2	8.92	273.4	8.37	259.5	7.59	253.5	7.29	242.6	7.09	230.6	6.51
		35.6	290.2	8.85	273.4	8.31	259.5	7.53	253.5	7.29	242.6	7.02	230.6	6.51
		71.0	290.2	8.58	273.4	8.07	259.5	7.29	253.5	7.29	242.6	6.75	230.6	6.51
		88.8	290.2	8.58	273.4	7.80	259.5	7.29	253.5	7.02	242.6	6.75	230.6	6.24
		106.6	290.2	8.58	273.4	7.67	259.5	7.29	253.5	6.89	242.6	6.75	230.6	6.11
	104	28.4	290.2	8.44	273.4	7.59	259.5	6.75	253.5	6.81	242.6	6.24	230.6	6.03
		35.6	290.2	8.31	273.4	7.53	259.5	6.75	253.5	6.75	242.6	6.24	230.6	5.97
		71.0	290.2	7.80	273.4	7.29	259.5	6.75	253.5	6.51	242.6	6.24	230.6	5.73
		88.8	290.2	7.80	273.4	7.29	259.5	6.51	253.5	6.51	242.6	6.24	230.6	5.73
		106.6	290.2	7.80	273.4	7.29	259.5	6.39	253.5	6.51	242.6	6.24	230.6	5.73
	113	28.4	290.2	8.00	273.4	6.81	259.5	5.90	253.5	6.37	242.6	5.39	230.6	5.59
		35.6	290.2	7.80	273.4	6.75	259.5	5.97	253.5	6.24	242.6	5.46	230.6	5.46
		71.0	290.2	7.02	273.4	6.51	259.5	6.24	253.5	5.73	242.6	5.73	230.6	4.95
		88.8	290.2	7.02	273.4	6.75	259.5	5.73	253.5	5.97	242.6	5.73	230.6	5.19
		106.6	290.2	7.02	273.4	6.88	259.5	5.47	253.5	6.09	242.6	5.73	230.6	5.31

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	28.4	101.4	9.40	95.3	8.95	90.1	8.66	89.2	8.16	88.6	7.87	87.1	7.16
		35.6	104.9	9.61	98.6	9.15	93.1	8.85	92.2	8.34	91.6	8.04	90.1	7.32
		71.0	118.7	10.41	111.5	9.93	105.2	9.61	104.3	9.04	103.7	8.72	101.9	7.94
		88.8	131.4	11.25	123.3	10.71	116.3	10.36	115.4	9.74	114.5	9.42	112.4	8.56
		106.6	137.8	11.67	129.2	11.10	122.0	10.74	121.1	10.09	120.0	9.77	117.7	8.87
	32	28.4	181.6	13.76	167.8	13.12	155.8	12.69	153.1	11.94	150.7	11.54	145.3	10.49
		35.6	182.6	13.80	168.8	13.16	156.7	12.73	154.0	11.97	151.6	11.57	146.2	10.52
		71.0	186.9	13.96	172.7	13.29	160.3	12.89	157.6	12.11	155.2	11.70	149.5	10.63
		88.8	189.6	13.96	175.4	13.29	162.8	12.89	160.0	12.11	157.6	11.70	151.9	10.63
		106.6	190.9	13.96	176.8	13.29	164.0	12.89	161.3	12.11	158.8	11.70	153.1	10.63
	41	28.4	250.8	14.99	237.6	14.27	226.3	13.81	221.5	13.01	211.6	12.55	201.6	11.40
		35.6	251.4	15.07	238.1	14.34	226.3	13.88	221.5	13.08	211.6	12.62	201.6	11.46
		71.0	253.5	15.36	239.9	14.64	226.6	14.18	221.5	13.32	211.6	12.89	201.6	11.70
		88.8	253.5	15.47	239.6	14.74	226.6	14.29	221.5	13.43	211.6	12.97	201.6	11.78
		106.6	253.5	15.52	239.5	14.80	226.6	14.34	221.5	13.48	211.6	13.01	201.6	11.82
	50	28.4	252.0	13.80	238.5	13.05	226.6	12.56	221.5	11.87	211.6	11.38	201.6	10.41
		35.6	252.3	13.78	238.7	13.02	226.6	12.54	221.5	11.87	211.6	11.38	201.6	10.41
		71.0	253.5	13.67	239.6	12.91	226.6	12.43	221.5	11.87	211.6	11.38	201.6	10.41
		88.8	253.5	13.72	239.6	12.97	226.6	12.48	221.5	11.92	211.6	11.30	201.6	10.44
		106.6	253.5	13.75	239.6	13.00	226.6	12.51	221.5	11.95	211.6	11.26	201.6	10.45
	59	28.4	253.5	12.61	239.6	11.83	226.6	11.33	221.5	10.72	211.6	10.21	201.6	9.43
		35.6	253.5	12.48	239.6	11.70	226.6	11.19	221.5	10.65	211.6	10.14	201.6	9.36
		71.0	253.5	11.97	239.6	11.19	226.6	10.65	221.5	10.41	211.6	9.87	201.6	9.09
		88.8	253.5	11.97	239.6	11.19	226.6	10.65	221.5	10.41	211.6	9.63	201.6	9.09
		106.6	253.5	11.97	239.6	11.19	226.6	10.65	221.5	10.41	211.6	9.51	201.6	9.09
	68	28.4	253.5	10.48	239.6	9.94	226.6	9.70	221.5	9.43	211.6	8.92	201.6	8.37
		35.6	253.5	10.41	239.6	9.87	226.6	9.63	221.5	9.36	211.6	8.85	201.6	8.31
		71.0	253.5	10.14	239.6	9.63	226.6	9.36	221.5	9.09	211.6	8.58	201.6	8.07
		88.8	253.5	10.14	239.6	9.63	226.6	9.36	221.5	8.85	211.6	8.58	201.6	7.80
		106.6	253.5	10.14	239.6	9.63	226.6	9.36	221.5	8.73	211.6	8.58	201.6	7.67
	77	28.4	253.5	9.43	239.6	8.92	226.6	8.37	221.5	8.14	211.6	7.53	201.6	7.02
		35.6	253.5	9.36	239.6	8.85	226.6	8.31	221.5	8.07	211.6	7.53	201.6	7.02
		71.0	253.5	9.09	239.6	8.58	226.6	8.07	221.5	7.80	211.6	7.53	201.6	7.02
		88.8	253.5	8.85	239.6	8.31	226.6	8.07	221.5	7.80	211.6	7.29	201.6	7.02
		106.6	253.5	8.73	239.6	8.18	226.6	8.07	221.5	7.80	211.6	7.17	201.6	7.02
	86	28.4	253.5	8.37	239.6	7.87	226.6	7.36	221.5	7.02	211.6	6.81	201.6	6.24
		35.6	253.5	8.31	239.6	7.80	226.6	7.29	221.5	7.02	211.6	6.75	201.6	6.24
		71.0	253.5	8.07	239.6	7.53	226.6	7.02	221.5	7.02	211.6	6.51	201.6	6.24
		88.8	253.5	8.07	239.6	7.53	226.6	7.02	221.5	6.75	211.6	6.51	201.6	6.24
		106.6	253.5	8.07	239.6	7.53	226.6	7.02	221.5	6.62	211.6	6.51	201.6	6.24
	95	28.4	253.5	7.59	239.6	7.09	226.6	6.51	221.5	6.58	211.6	5.97	201.6	5.80
		35.6	253.5	7.53	239.6	7.02	226.6	6.51	221.5	6.51	211.6	5.97	201.6	5.73
		71.0	253.5	7.29	239.6	6.75	226.6	6.51	221.5	6.24	211.6	5.97	201.6	5.46
		88.8	253.5	7.29	239.6	6.75	226.6	6.24	221.5	6.24	211.6	5.97	201.6	5.46
		106.6	253.5	7.29	239.6	6.75	226.6	6.11	221.5	6.24	211.6	5.97	201.6	5.46
	104	28.4	253.5	7.09	239.6	6.58	226.6	6.03	221.5	5.73	211.6	5.46	201.6	5.25
		35.6	253.5	7.02	239.6	6.51	226.6	5.97	221.5	5.73	211.6	5.46	201.6	5.19
		71.0	253.5	6.75	239.6	6.24	226.6	5.73	221.5	5.73	211.6	5.46	201.6	4.95
		88.8	253.5	6.75	239.6	6.24	226.6	5.73	221.5	5.46	211.6	5.19	201.6	4.95
		106.6	253.5	6.75	239.6	6.24	226.6	5.73	221.5	5.33	211.6	5.06	201.6	4.95
	113	28.4	253.5	6.58	239.6	6.03	226.6	5.59	221.5	4.89	211.6	4.95	201.6	4.75
		35.6	253.5	6.51	239.6	5.97	226.6	5.46	221.5	4.95	211.6	4.95	201.6	4.68
		71.0	253.5	6.24	239.6	5.73	226.6	4.95	221.5	5.19	211.6	4.95	201.6	4.41
		88.8	253.5	6.24	239.6	5.73	226.6	5.19	221.5	4.68	211.6	4.41	201.6	4.41
		106.6	253.5	6.24	239.6	5.73	226.6	5.31	221.5	4.42	211.6	4.14	201.6	4.41

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM288BAS5

288,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	28.4	87.1	7.63	81.6	7.34	77.2	7.05	76.3	6.56	76.0	6.45	74.6	5.76
		35.6	90.1	7.80	84.4	7.51	79.9	7.21	79.0	6.70	78.7	6.59	77.2	5.89
		71.0	102.2	8.48	95.5	8.15	90.4	7.83	89.5	7.26	89.2	7.16	87.4	6.40
		88.8	112.7	9.12	105.5	8.80	100.1	8.45	98.9	7.86	98.6	7.72	96.4	6.89
		106.6	118.0	9.45	110.5	9.12	104.9	8.76	103.6	8.15	103.3	8.01	101.0	7.13
	32	28.4	155.8	11.19	143.5	10.79	133.9	10.32	131.2	9.60	129.4	9.47	124.7	8.45
		35.6	156.7	11.22	144.4	10.82	134.7	10.36	132.0	9.63	130.2	9.50	125.4	8.48
		71.0	160.3	11.35	147.7	10.92	138.0	10.49	135.0	9.74	133.2	9.61	128.1	8.56
		88.8	162.8	11.35	150.1	10.92	140.1	10.49	137.1	9.74	135.3	9.61	130.2	8.56
		106.6	164.0	11.35	151.3	10.92	141.2	10.49	138.2	9.74	136.4	9.61	131.3	8.56
	41	28.4	215.3	12.18	203.1	11.72	194.7	11.24	189.9	10.47	181.7	10.30	173.0	9.18
		35.6	215.8	12.24	203.4	11.78	194.7	11.30	189.9	10.52	181.7	10.36	173.0	9.23
		71.0	217.6	12.48	204.9	12.03	194.7	11.54	189.9	10.74	181.7	10.57	173.0	9.42
		88.8	217.6	12.59	204.6	12.11	194.7	11.62	189.9	10.82	181.7	10.63	173.0	9.50
		106.6	217.6	12.65	204.5	12.15	194.7	11.66	189.9	10.86	181.7	10.65	173.0	9.54
	50	28.4	216.5	11.19	203.8	10.71	194.7	10.20	189.9	9.52	181.7	9.34	173.0	8.37
		35.6	216.7	11.19	204.0	10.71	194.7	10.20	189.9	9.55	181.7	9.34	173.0	8.39
		71.0	217.6	11.19	204.9	10.71	194.7	10.20	189.9	9.66	181.7	9.31	173.0	8.48
		88.8	217.6	11.22	204.6	10.60	194.7	10.09	189.9	9.55	181.7	9.23	173.0	8.39
		106.6	217.6	11.23	204.5	10.55	194.7	10.04	189.9	9.50	181.7	9.19	173.0	8.35
	59	28.4	217.6	10.21	204.6	9.70	194.7	9.15	189.9	8.58	181.7	8.37	173.0	7.53
		35.6	217.6	10.14	204.6	9.63	194.7	9.09	189.9	8.58	181.7	8.31	173.0	7.53
		71.0	217.6	9.87	204.6	9.36	194.7	8.85	189.9	8.58	181.7	8.07	173.0	7.53
		88.8	217.6	9.87	204.6	9.09	194.7	8.58	189.9	8.31	181.7	7.80	173.0	7.29
		106.6	217.6	9.87	204.6	8.96	194.7	8.45	189.9	8.18	181.7	7.67	173.0	7.17
	68	28.4	217.6	8.92	204.6	8.37	194.7	7.87	189.9	7.59	181.7	7.36	173.0	6.81
		35.6	217.6	8.85	204.6	8.31	194.7	7.80	189.9	7.53	181.7	7.29	173.0	6.75
		71.0	217.6	8.58	204.6	8.07	194.7	7.53	189.9	7.29	181.7	7.02	173.0	6.51
		88.8	217.6	8.58	204.6	8.07	194.7	7.53	189.9	7.29	181.7	7.02	173.0	6.51
		106.6	217.6	8.58	204.6	8.07	194.7	7.53	189.9	7.29	181.7	7.02	173.0	6.51
	77	28.4	217.6	7.87	204.6	7.36	194.7	6.75	189.9	6.81	181.7	6.24	173.0	6.03
		35.6	217.6	7.80	204.6	7.29	194.7	6.75	189.9	6.75	181.7	6.24	173.0	5.97
		71.0	217.6	7.53	204.6	7.02	194.7	6.75	189.9	6.51	181.7	6.24	173.0	5.73
		88.8	217.6	7.53	204.6	7.02	194.7	6.51	189.9	6.51	181.7	6.24	173.0	5.73
		106.6	217.6	7.53	204.6	7.02	194.7	6.39	189.9	6.51	181.7	6.24	173.0	5.73
	86	28.4	217.6	7.09	204.6	6.58	194.7	6.31	189.9	6.03	181.7	5.80	173.0	5.53
		35.6	217.6	7.02	204.6	6.51	194.7	6.24	189.9	5.97	181.7	5.73	173.0	5.46
		71.0	217.6	6.75	204.6	6.24	194.7	5.97	189.9	5.73	181.7	5.46	173.0	5.19
		88.8	217.6	6.75	204.6	6.24	194.7	5.97	189.9	5.73	181.7	5.46	173.0	5.19
		106.6	217.6	6.75	204.6	6.24	194.7	5.97	189.9	5.73	181.7	5.46	173.0	5.19
	95	28.4	217.6	6.24	204.6	6.03	194.7	5.46	189.9	5.53	181.7	5.25	173.0	5.02
		35.6	217.6	6.24	204.6	5.97	194.7	5.46	189.9	5.46	181.7	5.19	173.0	4.95
		71.0	217.6	6.24	204.6	5.73	194.7	5.46	189.9	5.19	181.7	4.95	173.0	4.68
		88.8	217.6	6.24	204.6	5.73	194.7	5.19	189.9	5.19	181.7	4.95	173.0	4.68
		106.6	217.6	6.24	204.6	5.73	194.7	5.06	189.9	5.19	181.7	4.95	173.0	4.68
	104	28.4	217.6	5.73	204.6	5.53	194.7	4.95	189.9	5.02	181.7	4.75	173.0	4.41
		35.6	217.6	5.73	204.6	5.46	194.7	4.95	189.9	4.95	181.7	4.68	173.0	4.41
		71.0	217.6	5.73	204.6	5.19	194.7	4.95	189.9	4.68	181.7	4.41	173.0	4.41
		88.8	217.6	5.73	204.6	5.19	194.7	4.95	189.9	4.68	181.7	4.41	173.0	4.41
		106.6	217.6	5.73	204.6	5.19	194.7	4.95	189.9	4.68	181.7	4.41	173.0	4.41
	113	28.4	217.6	5.19	204.6	5.02	194.7	4.41	189.9	4.47	181.7	4.24	173.0	3.83
		35.6	217.6	5.19	204.6	4.95	194.7	4.41	189.9	4.41	181.7	4.17	173.0	3.90
		71.0	217.6	5.19	204.6	4.68	194.7	4.41	189.9	4.17	181.7	3.90	173.0	4.17
		88.8	217.6	5.19	204.6	4.68	194.7	4.68	189.9	4.17	181.7	3.90	173.0	4.17
		106.6	217.6	5.19	204.6	4.68	194.7	4.82	189.9	4.17	181.7	3.90	173.0	4.17

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	28.4	72.6	6.09	68.2	5.76	64.4	5.45	63.5	5.16	63.2	4.84	62.1	4.59
		35.6	75.0	6.22	70.5	5.89	66.6	5.57	65.7	5.27	65.4	4.95	64.2	4.68
		71.0	84.7	6.73	79.6	6.40	75.3	6.03	74.4	5.73	74.1	5.38	72.6	5.06
		88.8	93.7	7.26	88.0	6.89	83.2	6.51	82.3	6.19	81.7	5.78	80.5	5.46
		106.6	98.3	7.54	92.3	7.13	87.1	6.76	86.2	6.42	85.5	5.99	84.4	5.67
	32	28.4	129.4	8.91	119.9	8.45	111.4	7.96	109.0	7.56	107.5	7.11	103.7	6.71
		35.6	130.2	8.93	120.6	8.48	112.1	7.99	109.7	7.59	108.2	7.13	104.3	6.73
		71.0	133.2	9.01	123.3	8.56	114.8	8.10	112.4	7.69	110.9	7.21	106.7	6.81
		88.8	135.3	9.01	125.1	8.56	116.3	8.10	114.2	7.69	112.4	7.21	108.5	6.81
		106.6	136.4	9.01	126.0	8.56	117.1	8.10	115.1	7.69	113.2	7.21	109.4	6.81
	41	28.4	178.9	9.69	169.7	9.18	161.8	8.67	157.9	8.25	151.0	7.74	144.1	7.28
		35.6	179.3	9.74	170.0	9.23	161.8	8.72	157.9	8.29	151.0	7.78	144.1	7.32
		71.0	180.8	9.93	171.2	9.42	162.2	8.91	157.9	8.45	151.0	7.91	144.1	7.48
		88.8	180.8	10.01	170.9	9.50	162.2	8.96	157.9	8.50	151.0	7.99	144.1	7.53
		106.6	180.8	10.05	170.7	9.54	162.2	8.99	157.9	8.53	151.0	8.03	144.1	7.56
	50	28.4	180.1	8.92	170.1	8.40	161.8	7.90	157.9	7.55	151.0	6.97	144.1	6.66
		35.6	180.2	8.91	170.3	8.39	161.8	7.88	157.9	7.53	151.0	7.00	144.1	6.65
		71.0	180.8	8.85	171.2	8.37	162.2	7.83	157.9	7.48	151.0	7.08	144.1	6.59
		88.8	180.8	8.91	170.9	8.39	162.2	7.86	157.9	7.51	151.0	6.97	144.1	6.62
		106.6	180.8	8.93	170.7	8.41	162.2	7.87	157.9	7.52	151.0	6.91	144.1	6.63
	59	28.4	180.8	8.14	170.9	7.59	162.2	7.09	157.9	6.81	151.0	6.24	144.1	6.03
		35.6	180.8	8.07	170.9	7.53	162.2	7.02	157.9	6.75	151.0	6.24	144.1	5.97
		71.0	180.8	7.80	170.9	7.29	162.2	6.75	157.9	6.51	151.0	6.24	144.1	5.73
		88.8	180.8	7.80	170.9	7.29	162.2	6.75	157.9	6.51	151.0	5.97	144.1	5.73
		106.6	180.8	7.80	170.9	7.29	162.2	6.75	157.9	6.51	151.0	5.84	144.1	5.73
	68	28.4	180.8	7.09	170.9	6.58	162.2	6.31	157.9	6.03	151.0	5.80	144.1	5.19
		35.6	180.8	7.02	170.9	6.51	162.2	6.24	157.9	5.97	151.0	5.73	144.1	5.19
		71.0	180.8	6.75	170.9	6.24	162.2	5.97	157.9	5.73	151.0	5.46	144.1	5.19
		88.8	180.8	6.75	170.9	6.24	162.2	5.97	157.9	5.73	151.0	5.46	144.1	5.19
		106.6	180.8	6.75	170.9	6.24	162.2	5.97	157.9	5.73	151.0	5.46	144.1	5.19
	77	28.4	180.8	6.31	170.9	5.73	162.2	5.53	157.9	5.19	151.0	4.95	144.1	4.68
		35.6	180.8	6.24	170.9	5.73	162.2	5.46	157.9	5.19	151.0	4.95	144.1	4.68
		71.0	180.8	5.97	170.9	5.73	162.2	5.19	157.9	5.19	151.0	4.95	144.1	4.68
		88.8	180.8	5.97	170.9	5.73	162.2	5.19	157.9	5.19	151.0	4.95	144.1	4.68
		106.6	180.8	5.97	170.9	5.73	162.2	5.19	157.9	5.19	151.0	4.95	144.1	4.68
	86	28.4	180.8	5.80	170.9	5.25	162.2	5.02	157.9	4.68	151.0	4.75	144.1	4.47
		35.6	180.8	5.73	170.9	5.19	162.2	4.95	157.9	4.68	151.0	4.68	144.1	4.41
		71.0	180.8	5.46	170.9	4.95	162.2	4.68	157.9	4.68	151.0	4.41	144.1	4.17
		88.8	180.8	5.46	170.9	4.95	162.2	4.68	157.9	4.68	151.0	4.41	144.1	4.17
		106.6	180.8	5.46	170.9	4.95	162.2	4.68	157.9	4.68	151.0	4.41	144.1	4.17
	95	28.4	180.8	5.25	170.9	4.68	162.2	4.41	157.9	4.47	151.0	4.17	144.1	3.90
		35.6	180.8	5.19	170.9	4.68	162.2	4.41	157.9	4.41	151.0	4.17	144.1	3.90
		71.0	180.8	4.95	170.9	4.68	162.2	4.41	157.9	4.17	151.0	4.17	144.1	3.90
		88.8	180.8	4.95	170.9	4.68	162.2	4.41	157.9	4.17	151.0	4.17	144.1	3.90
		106.6	180.8	4.95	170.9	4.68	162.2	4.41	157.9	4.17	151.0	4.17	144.1	3.90
	104	28.4	180.8	4.75	170.9	4.47	162.2	4.24	157.9	3.90	151.0	3.97	144.1	3.63
		35.6	180.8	4.68	170.9	4.41	162.2	4.17	157.9	3.90	151.0	3.90	144.1	3.63
		71.0	180.8	4.41	170.9	4.17	162.2	3.90	157.9	3.90	151.0	3.63	144.1	3.63
		88.8	180.8	4.41	170.9	4.17	162.2	3.90	157.9	3.90	151.0	3.63	144.1	3.63
		106.6	180.8	4.41	170.9	4.17	162.2	3.90	157.9	3.90	151.0	3.63	144.1	3.63
	113	28.4	180.8	4.24	170.9	4.31	162.2	4.03	157.9	3.33	151.0	3.76	144.1	3.39
		35.6	180.8	4.17	170.9	4.17	162.2	3.90	157.9	3.39	151.0	3.63	144.1	3.39
		71.0	180.8	3.90	170.9	3.63	162.2	3.39	157.9	3.63	151.0	3.12	144.1	3.39
		88.8	180.8	3.90	170.9	3.63	162.2	3.39	157.9	3.63	151.0	3.12	144.1	3.39
		106.6	180.8	3.90	170.9	3.63	162.2	3.39	157.9	3.63	151.0	3.12	144.1	3.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM360BAS5

360,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	36.6	191.6	20.23	190.2	19.05	189.1	17.73	186.5	17.21	188.7	16.76	183.5	15.03
		53.4	198.2	20.59	196.7	19.42	195.5	18.12	192.9	17.59	195.2	17.12	189.9	15.36
		91.2	224.2	21.98	222.3	20.89	221.1	19.65	218.1	19.09	220.8	18.55	215.1	16.65
		114.0	247.9	23.38	245.6	22.32	244.1	21.18	241.1	20.62	244.1	20.02	237.7	17.95
		136.8	259.9	24.09	257.4	23.04	255.7	21.96	252.7	21.39	255.9	20.76	249.1	18.61
	32	36.6	342.3	27.67	334.5	26.85	327.4	25.97	320.2	25.24	321.3	24.55	306.7	21.98
		53.4	344.3	27.75	336.4	26.91	329.3	26.05	322.1	25.32	323.2	24.62	308.6	22.05
		91.2	352.6	28.05	344.0	27.18	336.8	26.35	329.7	25.62	330.8	24.88	316.1	22.32
		114.0	357.9	28.05	349.2	27.18	342.1	26.35	334.5	25.62	335.7	24.88	320.6	22.32
		136.8	360.6	28.05	351.9	27.18	344.7	26.35	337.0	25.62	338.1	24.88	322.9	22.32
	41	36.6	493.0	29.74	485.5	29.01	475.4	28.27	463.4	27.47	451.0	26.71	426.1	23.92
		53.4	494.7	29.88	486.4	29.15	475.5	28.41	463.4	27.61	451.0	26.85	426.1	24.05
		91.2	501.4	30.41	489.8	29.68	475.8	28.98	463.4	28.18	451.0	27.38	426.1	24.55
		114.0	504.5	30.61	491.3	29.88	475.8	29.18	463.4	28.38	451.0	27.58	426.1	24.72
		136.8	506.0	30.71	492.0	29.98	475.8	29.28	463.4	28.48	451.0	27.68	426.1	24.80
	50	36.6	493.6	27.06	485.6	26.16	473.9	25.66	461.5	25.09	449.2	24.23	424.4	21.87
		53.4	496.5	27.01	487.9	26.18	475.8	25.72	463.4	25.08	451.0	24.22	426.1	21.85
		91.2	508.2	26.81	496.9	26.28	483.4	25.91	470.9	25.05	457.7	24.15	432.9	21.78
		114.0	510.9	27.18	500.3	26.65	486.4	26.01	473.2	25.15	460.8	24.55	435.5	22.82
		136.8	512.2	27.37	502.0	26.83	487.9	26.07	474.3	25.20	462.3	24.75	436.8	23.34
	59	36.6	494.3	24.39	485.7	23.35	472.0	23.10	459.6	22.72	447.5	21.75	422.7	19.82
		53.4	498.4	24.15	489.4	23.25	475.8	23.05	463.4	22.55	451.0	21.58	426.1	19.65
		91.2	514.6	23.18	504.1	22.85	490.9	22.85	478.5	21.88	464.5	20.92	439.7	18.99
		114.0	517.3	23.75	509.0	23.38	496.9	22.85	483.4	21.88	470.9	21.52	444.9	20.92
		136.8	518.6	24.04	511.4	23.65	500.0	22.85	485.8	21.88	474.2	21.82	447.6	21.89
	68	36.6	513.2	22.38	503.8	21.34	490.5	20.87	476.9	20.20	463.1	19.75	435.6	19.15
		53.4	517.3	22.22	507.9	21.32	494.3	20.85	480.7	20.29	467.2	19.89	439.7	18.99
		91.2	533.5	21.58	524.1	21.25	509.4	20.79	495.8	20.62	483.4	20.42	455.9	18.35
		114.0	535.7	21.58	527.8	21.25	515.4	20.92	500.7	20.62	487.1	20.42	459.6	19.52
		136.8	536.9	21.58	529.7	21.25	518.4	20.99	503.2	20.62	489.0	20.42	461.5	20.11
	77	36.6	541.8	21.34	527.8	20.72	515.4	20.37	505.6	20.03	494.3	19.74	466.0	18.44
		53.4	541.8	21.25	527.8	20.69	515.4	20.29	505.6	19.95	494.3	19.65	466.0	18.35
		91.2	541.8	20.92	527.8	20.55	515.4	19.95	505.6	19.65	494.3	19.32	466.0	18.02
		114.0	541.8	20.62	527.8	20.02	515.4	19.65	505.6	19.32	494.3	18.99	466.0	17.72
		136.8	541.8	20.47	527.8	19.75	515.4	19.50	505.6	19.15	494.3	18.82	466.0	17.57
	86	36.6	541.8	20.79	527.8	19.75	515.4	19.57	505.6	19.06	494.3	18.85	466.0	17.55
		53.4	541.8	20.62	527.8	19.72	515.4	19.45	505.6	18.99	494.3	18.69	466.0	17.39
		91.2	541.8	19.95	527.8	19.59	515.4	18.99	505.6	18.69	494.3	18.02	466.0	16.75
		114.0	541.8	19.65	527.8	19.05	515.4	18.69	505.6	18.35	494.3	18.02	466.0	16.75
		136.8	541.8	19.50	527.8	18.78	515.4	18.54	505.6	18.19	494.3	18.02	466.0	16.75
	95	36.6	541.8	19.82	527.8	19.16	515.4	18.77	505.6	18.10	494.3	17.47	466.0	16.25
		53.4	541.8	19.65	527.8	19.05	515.4	18.69	505.6	18.02	494.3	17.39	466.0	16.09
		91.2	541.8	18.99	527.8	18.62	515.4	18.35	505.6	17.72	494.3	17.05	466.0	15.46
		114.0	541.8	18.99	527.8	18.42	515.4	18.02	505.6	17.39	494.3	16.75	466.0	15.46
		136.8	541.8	18.99	527.8	18.32	515.4	17.85	505.6	17.22	494.3	16.60	466.0	15.46
	104	36.6	541.8	19.15	527.8	18.54	515.4	18.18	505.6	17.55	494.3	16.92	466.0	15.28
		53.4	541.8	18.99	527.8	18.42	515.4	18.02	505.6	17.39	494.3	16.75	466.0	15.12
		91.2	541.8	18.35	527.8	17.95	515.4	17.39	505.6	16.75	494.3	16.09	466.0	14.49
		114.0	541.8	18.02	527.8	17.65	515.4	17.39	505.6	16.75	494.3	16.09	466.0	14.49
		136.8	541.8	17.85	527.8	17.50	515.4	17.39	505.6	16.75	494.3	16.09	466.0	14.49
	113	36.6	541.8	18.51	527.8	17.91	515.4	17.63	505.6	17.00	494.3	16.33	466.0	14.32
		53.4	541.8	18.35	527.8	17.79	515.4	17.39	505.6	16.75	494.3	16.09	466.0	14.16
		91.2	541.8	17.72	527.8	17.32	515.4	16.42	505.6	15.79	494.3	15.12	466.0	13.52
		114.0	541.8	17.05	527.8	16.89	515.4	16.75	505.6	16.09	494.3	15.46	466.0	13.52
		136.8	541.8	16.72	527.8	16.67	515.4	16.92	505.6	16.24	494.3	15.62	466.0	13.52

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	36.6	182.1	20.23	180.7	19.05	179.5	17.73	177.4	16.98	178.8	16.49	174.1	14.76
		53.4	188.4	20.59	186.9	19.42	185.7	18.12	183.5	17.35	185.0	16.85	180.1	15.09
		91.2	213.2	21.98	211.4	20.89	210.2	19.65	207.6	18.82	209.5	18.29	203.8	16.39
		114.0	235.5	23.38	233.6	22.32	232.1	21.18	229.4	20.32	231.3	19.72	224.9	17.65
		136.8	246.7	24.09	244.8	23.04	243.1	21.96	240.4	21.07	242.3	20.44	235.5	18.29
	32	36.6	325.5	27.67	317.6	26.85	310.8	25.97	304.5	24.87	304.5	24.18	290.5	21.62
		53.4	327.4	27.75	319.5	26.91	312.7	26.05	306.3	24.95	306.3	24.25	292.4	21.68
		91.2	334.9	28.05	327.0	27.18	320.2	26.35	313.5	25.25	313.5	24.52	299.5	21.95
		114.0	340.2	28.05	332.3	27.18	325.1	26.35	318.3	25.25	318.0	24.52	304.0	21.95
		136.8	342.9	28.05	334.9	27.18	327.6	26.35	320.8	25.25	320.3	24.52	306.3	21.95
	41	36.6	469.2	29.74	462.2	29.01	452.1	28.27	441.2	27.07	427.2	26.31	403.9	23.57
		53.4	470.9	29.88	463.0	29.15	452.1	28.41	441.2	27.21	427.2	26.45	403.9	23.68
		91.2	477.7	30.41	466.4	29.68	452.1	28.98	441.2	27.78	427.2	26.98	403.9	24.15
		114.0	480.3	30.61	463.8	29.88	452.1	29.18	441.2	27.98	427.2	27.18	403.9	24.32
		136.8	481.7	30.71	462.4	29.98	452.1	29.28	441.2	28.08	427.2	27.28	403.9	24.40
	50	36.6	471.0	26.72	462.2	25.98	450.9	25.46	439.9	24.68	426.1	23.87	402.8	21.46
		53.4	473.2	26.81	464.1	26.08	452.1	25.55	441.2	24.72	427.2	23.85	403.9	21.48
		91.2	481.9	27.18	471.7	26.48	457.0	25.91	446.1	24.85	431.7	23.78	408.0	21.58
		114.0	484.5	27.08	470.2	26.48	458.9	26.01	447.9	24.95	433.6	23.88	409.9	22.32
		136.8	485.8	27.03	469.4	26.48	459.8	26.07	448.9	25.00	434.6	23.93	410.8	22.69
	59	36.6	472.3	23.70	462.8	23.00	449.5	22.64	438.7	22.30	425.0	21.41	401.7	19.40
		53.4	475.1	23.75	465.7	23.05	452.1	22.68	441.2	22.22	427.2	21.25	403.9	19.32
		91.2	486.0	23.95	477.0	23.25	462.3	22.85	451.0	21.88	435.9	20.62	412.5	18.99
		114.0	488.6	23.58	476.6	23.05	466.0	22.85	454.7	21.88	439.7	20.62	416.3	20.29
		136.8	490.0	23.40	476.4	22.95	467.9	22.85	456.6	21.88	441.6	20.62	418.2	20.94
	68	36.6	485.5	21.32	476.4	20.41	462.0	19.87	449.2	19.58	434.6	19.34	411.2	18.35
		53.4	488.6	21.32	479.2	20.49	464.5	19.95	452.1	19.65	437.4	19.32	413.7	18.29
		91.2	501.1	21.32	490.5	20.79	474.7	20.29	463.4	19.95	448.3	19.25	423.5	18.02
		114.0	503.3	21.12	490.1	20.62	478.5	20.29	466.0	19.95	451.0	19.32	426.1	18.69
		136.8	504.5	21.02	490.0	20.53	480.4	20.29	467.4	19.95	452.3	19.35	427.4	19.02
	77	36.6	509.1	20.16	494.3	19.22	478.5	18.85	468.3	18.44	455.9	18.10	431.0	16.84
		53.4	509.4	20.09	494.3	19.19	478.5	18.82	468.3	18.35	455.9	18.02	431.0	16.75
		91.2	510.5	19.79	494.3	19.05	478.5	18.69	468.3	18.02	455.9	17.72	431.0	16.42
		114.0	512.0	19.05	494.3	18.55	478.5	18.35	468.3	18.02	455.9	17.39	431.0	16.42
		136.8	512.8	18.68	494.3	18.30	478.5	18.19	468.3	18.02	455.9	17.22	431.0	16.42
	86	36.6	512.0	19.28	494.3	18.33	478.5	17.80	468.3	17.13	455.9	16.92	431.0	15.54
		53.4	512.0	19.12	494.3	18.22	478.5	17.72	468.3	17.05	455.9	16.75	431.0	15.46
		91.2	512.0	18.49	494.3	17.79	478.5	17.39	468.3	16.75	455.9	16.09	431.0	15.12
		114.0	512.0	17.89	494.3	17.39	478.5	17.05	468.3	16.75	455.9	16.09	431.0	14.82
		136.8	512.0	17.59	494.3	17.19	478.5	16.89	468.3	16.75	455.9	16.09	431.0	14.67
	95	36.6	512.0	18.41	494.3	17.41	478.5	16.92	468.3	16.25	455.9	15.62	431.0	14.23
		53.4	512.0	18.15	494.3	17.25	478.5	16.75	468.3	16.09	455.9	15.46	431.0	14.16
		91.2	512.0	17.12	494.3	16.62	478.5	16.09	468.3	15.46	455.9	14.82	431.0	13.86
		114.0	512.0	16.92	494.3	16.49	478.5	16.09	468.3	15.46	455.9	14.82	431.0	13.52
		136.8	512.0	16.82	494.3	16.42	478.5	16.09	468.3	15.46	455.9	14.82	431.0	13.36
	104	36.6	512.0	17.87	494.3	16.62	478.5	15.96	468.3	15.28	455.9	14.65	431.0	13.27
		53.4	512.0	17.52	494.3	16.42	478.5	15.79	468.3	15.12	455.9	14.49	431.0	13.19
		91.2	512.0	16.16	494.3	15.66	478.5	15.12	468.3	14.49	455.9	13.86	431.0	12.89
		114.0	512.0	15.96	494.3	15.46	478.5	15.12	468.3	14.49	455.9	13.86	431.0	12.56
		136.8	512.0	15.85	494.3	15.35	478.5	15.12	468.3	14.49	455.9	13.86	431.0	12.39
	113	36.6	512.0	17.32	494.3	15.82	478.5	14.99	468.3	14.32	455.9	13.68	431.0	12.30
		53.4	512.0	16.89	494.3	15.59	478.5	14.82	468.3	14.16	455.9	13.52	431.0	12.22
		91.2	512.0	15.19	494.3	14.69	478.5	14.16	468.3	13.52	455.9	12.89	431.0	11.92
		114.0	512.0	14.99	494.3	14.42	478.5	14.16	468.3	13.52	455.9	12.89	431.0	11.59
		136.8	512.0	14.89	494.3	14.29	478.5	14.16	468.3	13.52	455.9	12.89	431.0	11.42

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA

ARWM360BAS5

360,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	36.6	172.3	20.50	171.2	19.05	170.0	17.73	168.3	16.98	168.7	16.49	165.0	14.76
		53.4	178.2	20.85	177.1	19.42	175.9	18.12	174.1	17.35	174.4	16.85	170.7	15.09
		91.2	201.6	22.25	200.4	20.89	199.3	19.65	197.0	18.82	197.0	18.29	193.3	16.39
		114.0	222.7	23.68	221.1	22.32	220.0	21.18	217.8	20.32	217.8	19.72	213.2	17.65
	32	136.8	233.3	24.40	231.6	23.04	230.5	21.96	228.2	21.07	228.2	20.44	223.3	18.29
		36.6	307.9	28.05	301.1	26.85	294.8	25.97	289.1	24.87	286.5	24.18	275.7	21.62
		53.4	309.7	28.11	302.9	26.91	296.5	26.05	290.8	24.95	288.2	24.25	277.3	21.68
		91.2	316.8	28.38	310.1	27.18	303.3	26.35	297.6	25.25	295.0	24.52	283.7	21.95
		114.0	321.7	28.38	315.0	27.18	308.2	26.35	302.1	25.25	299.5	24.52	287.8	21.95
		136.8	324.2	28.38	317.4	27.18	310.6	26.35	304.4	25.25	301.8	24.52	289.9	21.95
110	41	36.6	449.1	30.14	438.4	29.01	428.3	28.27	418.6	27.07	402.4	26.31	382.8	23.57
		53.4	450.6	30.28	439.3	29.15	428.4	28.41	418.6	27.21	402.4	26.45	382.8	23.68
		91.2	456.6	30.81	442.7	29.68	428.7	28.98	418.6	27.78	402.4	26.98	382.8	24.15
		114.0	459.3	31.01	443.8	29.88	428.7	29.18	418.6	27.98	402.4	27.18	382.8	24.32
	50	136.8	460.6	31.11	444.4	29.98	428.7	29.28	418.6	28.08	402.4	27.28	382.8	24.40
		36.6	450.8	27.03	439.6	26.11	427.7	25.54	417.9	24.68	401.7	23.87	382.3	21.46
		53.4	452.5	27.08	440.8	26.18	428.4	25.62	418.6	24.72	402.4	23.85	382.8	21.48
		91.2	459.3	27.28	445.3	26.48	431.0	25.91	421.2	24.85	405.0	23.78	384.7	21.58
		114.0	461.9	27.28	447.2	26.48	432.5	25.85	422.0	24.78	405.8	23.88	385.8	21.82
		136.8	463.2	27.28	448.1	26.48	433.3	25.81	422.3	24.75	406.1	23.93	386.4	21.94
110	59	36.6	452.1	23.92	440.3	23.25	427.5	22.85	417.3	22.30	401.0	21.41	381.8	19.40
		53.4	454.0	23.88	441.9	23.25	428.7	22.85	418.6	22.22	402.4	21.25	382.8	19.32
		91.2	461.5	23.75	448.3	23.25	433.6	22.85	423.5	21.88	407.6	20.62	386.5	18.99
		114.0	464.1	23.58	450.6	23.05	435.9	22.55	425.0	21.58	408.8	20.62	388.8	19.32
	68	136.8	465.5	23.50	451.7	22.95	437.0	22.40	425.7	21.43	409.3	20.62	389.9	19.49
		36.6	460.5	20.64	447.9	20.15	433.5	19.65	421.8	19.32	406.4	18.77	385.0	17.55
		53.4	463.0	20.69	449.5	20.15	434.8	19.65	423.5	19.32	407.6	18.69	386.5	17.52
		91.2	472.8	20.85	455.5	20.15	439.7	19.65	429.9	19.32	412.5	18.35	392.6	17.39
		114.0	475.5	20.85	459.3	20.15	442.3	19.65	431.0	18.99	414.8	18.35	393.7	17.39
		136.8	476.8	20.85	461.1	20.15	443.6	19.65	431.6	18.82	415.9	18.35	394.3	17.39
110	77	36.6	474.9	18.79	460.8	18.10	442.3	17.80	432.5	17.13	417.4	16.51	395.2	15.12
		53.4	475.8	18.75	460.8	18.02	442.3	17.72	432.5	17.05	417.4	16.42	395.2	15.12
		91.2	479.6	18.62	460.8	17.72	442.3	17.39	432.5	16.75	417.4	16.09	395.2	15.12
		114.0	481.9	18.62	460.8	17.79	442.3	17.05	432.5	16.75	417.4	15.79	395.2	14.82
	86	136.8	483.0	18.62	460.8	17.82	442.3	16.89	432.5	16.75	417.4	15.64	395.2	14.67
		36.6	481.9	17.13	460.8	16.51	442.3	15.87	432.5	15.54	417.4	14.57	395.2	13.61
		53.4	481.9	17.05	460.8	16.42	442.3	15.79	432.5	15.46	417.4	14.49	395.2	13.52
		91.2	481.9	16.75	460.8	16.09	442.3	15.46	432.5	15.12	417.4	14.16	395.2	13.19
		114.0	481.9	16.62	460.8	15.79	442.3	15.12	432.5	14.82	417.4	14.16	395.2	13.19
		136.8	481.9	16.55	460.8	15.64	442.3	14.95	432.5	14.67	417.4	14.16	395.2	13.19
110	95	36.6	481.9	16.25	460.8	15.20	442.3	14.57	432.5	13.94	417.4	13.27	395.2	12.30
		53.4	481.9	16.09	460.8	15.12	442.3	14.49	432.5	13.86	417.4	13.19	395.2	12.22
		91.2	481.9	15.46	460.8	14.82	442.3	14.16	432.5	13.52	417.4	12.89	395.2	11.92
		114.0	481.9	15.06	460.8	14.49	442.3	13.86	432.5	13.52	417.4	12.89	395.2	11.92
	104	136.8	481.9	14.85	460.8	14.32	442.3	13.71	432.5	13.52	417.4	12.89	395.2	11.92
		36.6	481.9	15.28	460.8	14.65	442.3	13.68	432.5	12.97	417.4	12.30	395.2	11.33
		53.4	481.9	15.12	460.8	14.49	442.3	13.52	432.5	12.89	417.4	12.22	395.2	11.26
		91.2	481.9	14.49	460.8	13.86	442.3	12.89	432.5	12.56	417.4	11.92	395.2	10.96
		114.0	481.9	14.29	460.8	13.52	442.3	12.89	432.5	12.22	417.4	11.59	395.2	10.63
		136.8	481.9	14.19	460.8	13.36	442.3	12.89	432.5	12.06	417.4	11.42	395.2	10.46
110	113	36.6	481.9	14.32	460.8	14.10	442.3	12.80	432.5	12.01	417.4	11.33	395.2	10.37
		53.4	481.9	14.16	460.8	13.86	442.3	12.56	432.5	11.92	417.4	11.26	395.2	10.29
		91.2	481.9	13.52	460.8	12.89	442.3	11.59	432.5	11.59	417.4	10.96	395.2	9.99
		114.0	481.9	13.52	460.8	12.56	442.3	11.92	432.5	10.96	417.4	10.29	395.2	9.33
		136.8	481.9	13.52	460.8	12.39	442.3	12.09	432.5	10.64	417.4	9.96	395.2	8.99

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	36.6	162.8	20.50	161.7	19.32	161.0	17.73	159.6	16.98	158.1	16.23	155.1	14.76
		53.4	168.4	20.85	167.3	19.69	166.5	18.12	165.0	17.35	163.5	16.59	160.5	15.09
		91.2	190.6	22.25	189.5	21.15	188.4	19.65	186.5	18.82	185.0	18.02	182.0	16.39
		114.0	210.6	23.68	209.1	22.62	208.0	21.18	206.1	20.32	204.6	19.42	200.8	17.65
		136.8	220.7	24.40	219.0	23.36	217.8	21.96	216.0	21.07	214.4	20.12	210.3	18.29
	32	36.6	291.0	28.05	284.6	27.21	278.7	25.97	273.8	24.87	268.9	23.82	259.6	21.62
		53.4	292.7	28.11	286.3	27.28	280.3	26.05	275.4	24.95	270.5	23.88	261.1	21.68
		91.2	299.5	28.38	293.1	27.55	286.7	26.35	281.8	25.25	276.9	24.15	267.1	21.95
		114.0	304.0	28.38	297.6	27.55	291.2	26.35	285.9	25.25	281.1	24.15	271.3	21.95
		136.8	306.3	28.38	299.9	27.55	293.5	26.35	288.0	25.25	283.1	24.15	273.3	21.95
	41	36.6	429.5	30.14	415.2	29.41	404.5	28.27	396.3	27.07	377.5	25.91	360.2	23.57
		53.4	431.0	30.28	415.9	29.55	404.6	28.41	396.3	27.21	377.5	26.05	360.2	23.68
		91.2	437.0	30.81	418.9	30.08	405.0	28.98	396.3	27.78	377.5	26.58	360.2	24.15
		114.0	439.7	31.01	420.1	30.28	405.0	29.18	396.3	27.98	377.5	26.75	360.2	24.32
		136.8	441.0	31.11	420.6	30.38	405.0	29.28	396.3	28.08	377.5	26.83	360.2	24.40
	50	36.6	431.8	26.95	416.5	26.36	405.0	25.54	396.3	24.68	377.5	23.46	360.2	21.46
		53.4	432.9	27.08	417.1	26.45	405.0	25.62	396.3	24.72	377.5	23.48	360.2	21.48
		91.2	437.0	27.58	419.3	26.78	405.0	25.91	396.3	24.85	377.5	23.58	360.2	21.58
		114.0	440.0	27.48	421.2	26.78	405.0	25.85	396.3	24.78	377.5	23.52	360.2	21.48
		136.8	441.6	27.43	422.1	26.78	405.0	25.81	396.3	24.75	377.5	23.48	360.2	21.43
	59	36.6	434.2	23.77	418.3	23.37	405.0	22.85	396.3	22.30	377.5	20.99	360.2	19.40
		53.4	434.8	23.88	418.6	23.38	405.0	22.85	396.3	22.22	377.5	20.92	360.2	19.32
		91.2	437.0	24.35	419.7	23.45	405.0	22.85	396.3	21.88	377.5	20.62	360.2	18.99
		114.0	440.8	23.95	422.0	23.25	405.0	22.55	396.3	21.58	377.5	20.29	360.2	18.69
		136.8	442.7	23.75	423.1	23.15	405.0	22.40	396.3	21.43	377.5	20.12	360.2	18.54
	68	36.6	436.5	20.33	420.5	19.80	405.0	19.32	396.3	19.06	377.5	17.80	360.2	16.92
		53.4	438.2	20.42	420.8	19.82	405.0	19.32	396.3	18.99	377.5	17.72	360.2	16.75
		91.2	444.6	20.79	422.0	19.89	405.0	19.32	396.3	18.69	377.5	17.39	360.2	16.09
		114.0	447.2	20.42	425.7	19.72	405.0	18.99	396.3	18.35	377.5	17.05	360.2	15.79
		136.8	448.5	20.23	427.6	19.64	405.0	18.82	396.3	18.19	377.5	16.89	360.2	15.64
	77	36.6	441.8	17.77	427.2	17.21	405.0	16.51	396.3	15.87	377.5	14.91	360.2	13.52
		53.4	443.4	17.79	427.2	17.12	405.0	16.42	396.3	15.79	377.5	14.82	360.2	13.52
		91.2	449.8	17.85	427.2	16.75	405.0	16.09	396.3	15.46	377.5	14.49	360.2	13.52
		114.0	452.1	17.45	427.2	16.62	405.0	15.79	396.3	15.12	377.5	14.49	360.2	13.19
		136.8	453.2	17.25	427.2	16.55	405.0	15.64	396.3	14.95	377.5	14.49	360.2	13.02
	86	36.6	452.1	16.16	427.2	14.91	405.0	13.89	396.3	13.61	377.5	12.56	360.2	12.01
		53.4	452.1	16.09	427.2	14.82	405.0	13.86	396.3	13.52	377.5	12.56	360.2	11.92
		91.2	452.1	15.79	427.2	14.49	405.0	13.72	396.3	13.19	377.5	12.56	360.2	11.59
		114.0	452.1	15.46	427.2	14.49	405.0	13.52	396.3	13.19	377.5	12.22	360.2	11.59
		136.8	452.1	15.29	427.2	14.49	405.0	13.42	396.3	13.19	377.5	12.06	360.2	11.59
	95	36.6	452.1	14.99	427.2	13.68	405.0	12.26	396.3	12.01	377.5	11.33	360.2	10.37
		53.4	452.1	14.82	427.2	13.52	405.0	12.22	396.3	11.92	377.5	11.26	360.2	10.29
		91.2	452.1	14.16	427.2	12.89	405.0	12.09	396.3	11.59	377.5	10.96	360.2	9.99
		114.0	452.1	14.16	427.2	12.89	405.0	11.92	396.3	11.59	377.5	10.96	360.2	9.99
		136.8	452.1	14.16	427.2	12.89	405.0	11.84	396.3	11.59	377.5	10.96	360.2	9.99
	104	36.6	452.1	14.03	427.2	12.72	405.0	10.99	396.3	10.71	377.5	10.08	360.2	9.40
		53.4	452.1	13.86	427.2	12.56	405.0	10.96	396.3	10.63	377.5	9.99	360.2	9.33
		91.2	452.1	13.19	427.2	11.92	405.0	10.83	396.3	10.29	377.5	9.66	360.2	9.03
		114.0	452.1	12.89	427.2	11.92	405.0	10.63	396.3	10.29	377.5	9.66	360.2	9.03
		136.8	452.1	12.74	427.2	11.92	405.0	10.53	396.3	10.29	377.5	9.66	360.2	9.03
	113	36.6	452.1	13.06	427.2	11.75	405.0	9.69	396.3	9.40	377.5	8.78	360.2	8.44
		53.4	452.1	12.89	427.2	11.59	405.0	9.66	396.3	9.33	377.5	8.69	360.2	8.36
		91.2	452.1	12.22	427.2	10.96	405.0	9.53	396.3	9.03	377.5	8.36	360.2	8.06
		114.0	452.1	11.59	427.2	10.96	405.0	9.33	396.3	9.03	377.5	8.36	360.2	8.06
		136.8	452.1	11.27	427.2	10.96	405.0	9.23	396.3	9.03	377.5	8.36	360.2	8.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM360BAS5

360,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	36.6	153.7	19.02	148.9	17.33	144.6	15.22	143.5	14.50	142.4	13.98	139.9	12.55
		53.4	159.0	19.35	154.1	17.65	149.6	15.56	148.4	14.82	147.3	14.29	144.7	12.82
		91.2	180.1	20.65	174.4	18.95	169.2	16.89	168.0	16.09	166.9	15.52	163.5	13.92
		114.0	198.9	21.95	192.5	20.29	186.9	18.22	185.4	17.35	184.2	16.72	180.8	15.02
		136.8	208.4	22.61	201.6	20.96	195.8	18.89	194.1	17.99	193.0	17.33	189.6	15.58
	32	36.6	274.9	25.91	262.2	24.32	250.1	22.33	246.5	21.29	242.3	20.49	233.3	18.40
		53.4	276.5	25.98	263.7	24.38	251.7	22.38	247.9	21.35	243.8	20.55	234.7	18.45
		91.2	282.9	26.25	269.7	24.65	257.7	22.62	253.5	21.58	249.4	20.79	240.4	18.65
		114.0	287.1	26.25	273.9	24.65	261.8	22.62	257.3	21.58	253.5	20.79	244.1	18.65
		136.8	289.2	26.25	276.0	24.65	263.9	22.62	259.2	21.58	255.6	20.79	246.0	18.65
	41	36.6	388.4	27.82	375.9	26.26	363.9	24.30	356.4	23.17	340.6	22.30	324.4	20.02
		53.4	388.8	27.95	375.6	26.38	363.9	24.42	356.4	23.28	340.6	22.42	324.4	20.12
		91.2	390.3	28.45	374.5	26.88	363.9	24.88	356.4	23.75	340.6	22.88	324.4	20.52
		114.0	392.6	28.61	375.6	27.05	363.9	25.08	356.4	23.92	340.6	23.05	324.4	20.69
		136.8	393.7	28.70	376.2	27.13	363.9	25.18	356.4	24.00	340.6	23.13	324.4	20.77
	50	36.6	390.5	24.57	377.2	23.36	363.9	21.99	356.4	21.09	340.6	20.24	324.4	18.24
		53.4	390.3	24.58	376.7	23.38	363.9	22.02	356.4	21.12	340.6	20.22	324.4	18.25
		91.2	389.6	24.65	374.9	23.48	363.9	22.12	356.4	21.22	340.6	20.15	324.4	18.32
		114.0	392.2	24.58	376.0	23.42	363.9	22.05	356.4	21.15	340.6	20.22	324.4	18.39
		136.8	393.5	24.55	376.6	23.38	363.9	22.02	356.4	21.12	340.6	20.25	324.4	18.42
	59	36.6	392.5	21.27	378.5	20.50	363.9	19.74	356.4	19.06	340.6	18.18	324.4	16.51
		53.4	391.8	21.18	377.9	20.42	363.9	19.65	356.4	18.99	340.6	18.02	324.4	16.42
		91.2	389.2	20.85	375.2	20.09	363.9	19.32	356.4	18.69	340.6	17.39	324.4	16.09
		114.0	391.8	20.55	376.4	19.79	363.9	18.99	356.4	18.35	340.6	17.39	324.4	16.09
		136.8	393.1	20.40	376.9	19.63	363.9	18.82	356.4	18.19	340.6	17.39	324.4	16.09
	68	36.6	394.8	17.95	380.1	17.44	363.9	16.84	356.4	16.16	340.6	15.62	324.4	14.65
		53.4	394.5	17.95	379.4	17.39	363.9	16.75	356.4	16.09	340.6	15.46	324.4	14.49
		91.2	392.9	17.95	376.4	17.19	363.9	16.42	356.4	15.79	340.6	14.82	324.4	13.86
		114.0	394.1	17.65	377.5	17.05	363.9	16.42	356.4	15.79	340.6	14.82	324.4	13.86
		136.8	394.6	17.50	378.1	16.99	363.9	16.42	356.4	15.79	340.6	14.82	324.4	13.86
	77	36.6	401.4	15.69	385.0	14.86	363.9	14.23	356.4	13.52	340.6	12.97	324.4	12.01
		53.4	402.4	15.66	385.0	14.82	363.9	14.16	356.4	13.52	340.6	12.89	324.4	11.92
		91.2	406.1	15.52	385.0	14.69	363.9	13.86	356.4	13.52	340.6	12.56	324.4	11.59
		114.0	407.6	15.12	385.0	14.36	363.9	13.86	356.4	13.19	340.6	12.56	324.4	11.59
		136.8	408.4	14.92	385.0	14.19	363.9	13.86	356.4	13.02	340.6	12.56	324.4	11.59
	86	36.6	407.6	14.23	385.0	13.27	363.9	12.30	356.4	12.01	340.6	11.33	324.4	10.29
		53.4	407.6	14.16	385.0	13.19	363.9	12.22	356.4	11.92	340.6	11.26	324.4	10.29
		91.2	407.6	13.86	385.0	12.89	363.9	11.92	356.4	11.59	340.6	10.96	324.4	10.29
		114.0	407.6	13.52	385.0	12.56	363.9	11.92	356.4	11.59	340.6	10.96	324.4	9.99
		136.8	407.6	13.36	385.0	12.39	363.9	11.92	356.4	11.59	340.6	10.96	324.4	9.84
	95	36.6	407.6	12.97	385.0	12.01	363.9	11.04	356.4	10.71	340.6	10.08	324.4	9.40
		53.4	407.6	12.89	385.0	11.92	363.9	10.96	356.4	10.63	340.6	9.99	324.4	9.33
		91.2	407.6	12.56	385.0	11.59	363.9	10.63	356.4	10.29	340.6	9.66	324.4	9.03
		114.0	407.6	12.22	385.0	11.26	363.9	10.29	356.4	9.99	340.6	9.66	324.4	9.03
		136.8	407.6	12.06	385.0	11.09	363.9	10.12	356.4	9.84	340.6	9.66	324.4	9.03
	104	36.6	407.6	12.09	385.0	11.04	363.9	9.74	356.4	9.40	340.6	9.11	324.4	8.44
		53.4	407.6	11.92	385.0	10.96	363.9	9.66	356.4	9.33	340.6	9.03	324.4	8.36
		91.2	407.6	11.26	385.0	10.63	363.9	9.33	356.4	9.03	340.6	8.69	324.4	8.06
		114.0	407.6	11.26	385.0	10.63	363.9	9.33	356.4	9.03	340.6	8.69	324.4	8.06
		136.8	407.6	11.26	385.0	10.63	363.9	9.33	356.4	9.03	340.6	8.69	324.4	8.06
	113	36.6	407.6	11.20	385.0	10.08	363.9	8.44	356.4	8.15	340.6	8.15	324.4	7.47
		53.4	407.6	10.96	385.0	9.99	363.9	8.36	356.4	8.06	340.6	8.06	324.4	7.39
		91.2	407.6	9.99	385.0	9.66	363.9	8.06	356.4	7.73	340.6	7.73	324.4	7.09
		114.0	407.6	10.29	385.0	9.99	363.9	8.36	356.4	8.06	340.6	7.73	324.4	7.09
		136.8	407.6	10.44	385.0	10.16	363.9	8.51	356.4	8.23	340.6	7.73	324.4	7.09

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

### 360,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	36.6	145.4	13.55	136.2	13.04	129.0	12.49	127.5	12.06	126.7	11.51	124.2	10.60
		53.4	150.3	13.86	140.9	13.32	133.4	12.76	131.9	12.32	131.1	11.76	128.5	10.83
		91.2	169.9	15.06	159.4	14.46	150.7	13.82	149.2	13.36	148.4	12.76	145.4	11.72
		114.0	188.0	16.22	175.9	15.59	166.5	14.92	164.6	14.42	163.9	13.76	160.5	12.66
		136.8	197.1	16.81	184.3	16.16	174.5	15.48	172.4	14.96	171.7	14.26	168.1	13.13
	32	36.6	259.5	19.89	239.3	19.09	222.8	18.30	218.7	17.67	215.7	16.84	207.5	15.51
		53.4	261.1	19.95	240.7	19.15	224.2	18.35	220.0	17.72	217.0	16.89	208.7	15.56
		91.2	267.5	20.19	246.4	19.39	229.4	18.55	225.3	17.92	222.3	17.09	213.6	15.72
		114.0	271.3	20.19	250.2	19.39	233.2	18.55	228.7	17.92	225.7	17.09	217.0	15.72
		136.8	273.2	20.19	252.1	19.39	235.1	18.55	230.4	17.92	227.4	17.09	218.7	15.72
	41	36.6	359.0	21.63	338.8	20.82	323.9	19.88	316.8	19.22	303.3	18.33	288.2	16.86
		53.4	359.8	21.75	339.4	20.92	324.0	19.99	316.8	19.32	303.3	18.42	288.2	16.95
		91.2	362.8	22.22	342.1	21.32	324.4	20.42	316.8	19.72	303.3	18.79	288.2	17.32
		114.0	362.8	22.35	341.7	21.48	324.4	20.55	316.8	19.85	303.3	18.92	288.2	17.42
		136.8	362.8	22.42	341.5	21.57	324.4	20.62	316.8	19.92	303.3	18.99	288.2	17.47
	50	36.6	360.9	19.91	340.2	19.01	323.9	18.05	316.8	17.55	303.3	16.61	288.2	15.38
		53.4	361.3	19.89	340.6	18.99	324.0	18.05	316.8	17.55	303.3	16.62	288.2	15.39
		91.2	362.8	19.79	342.1	18.89	324.4	18.09	316.8	17.59	303.3	16.65	288.2	15.42
		114.0	362.8	19.72	341.7	18.95	324.4	18.15	316.8	17.49	303.3	16.55	288.2	15.32
		136.8	362.8	19.69	341.5	18.99	324.4	18.19	316.8	17.44	303.3	16.50	288.2	15.27
	59	36.6	362.8	18.18	341.7	17.21	324.4	16.16	316.8	15.87	303.3	14.91	288.2	13.94
		53.4	362.8	18.02	341.7	17.05	324.4	16.09	316.8	15.79	303.3	14.82	288.2	13.86
		91.2	362.8	17.39	341.7	16.42	324.4	15.79	316.8	15.46	303.3	14.49	288.2	13.52
		114.0	362.8	17.05	341.7	16.42	324.4	15.79	316.8	15.12	303.3	14.16	288.2	13.19
		136.8	362.8	16.89	341.7	16.42	324.4	15.79	316.8	14.95	303.3	13.99	288.2	13.02
	68	36.6	362.8	15.20	341.7	14.57	324.4	13.86	316.8	13.61	303.3	12.97	288.2	12.01
		53.4	362.8	15.12	341.7	14.49	324.4	13.86	316.8	13.52	303.3	12.89	288.2	11.92
		91.2	362.8	14.82	341.7	14.16	324.4	13.86	316.8	13.19	303.3	12.56	288.2	11.59
		114.0	362.8	14.49	341.7	13.86	324.4	13.52	316.8	13.19	303.3	12.22	288.2	11.59
		136.8	362.8	14.32	341.7	13.71	324.4	13.36	316.8	13.19	303.3	12.06	288.2	11.59
	77	36.6	362.8	13.61	341.7	12.64	324.4	11.92	316.8	11.68	303.3	11.04	288.2	10.37
		53.4	362.8	13.52	341.7	12.56	324.4	11.92	316.8	11.59	303.3	10.96	288.2	10.29
		91.2	362.8	13.19	341.7	12.22	324.4	11.92	316.8	11.26	303.3	10.63	288.2	9.99
		114.0	362.8	12.89	341.7	12.22	324.4	11.59	316.8	11.26	303.3	10.63	288.2	9.99
		136.8	362.8	12.74	341.7	12.22	324.4	11.42	316.8	11.26	303.3	10.63	288.2	9.99
	86	36.6	362.8	12.01	341.7	11.33	324.4	10.71	316.8	10.37	303.3	9.74	288.2	9.11
		53.4	362.8	11.92	341.7	11.26	324.4	10.63	316.8	10.29	303.3	9.66	288.2	9.03
		91.2	362.8	11.59	341.7	10.96	324.4	10.29	316.8	9.99	303.3	9.33	288.2	8.69
		114.0	362.8	11.59	341.7	10.96	324.4	10.29	316.8	9.99	303.3	9.33	288.2	8.69
		136.8	362.8	11.59	341.7	10.96	324.4	10.29	316.8	9.99	303.3	9.33	288.2	8.69
	95	36.6	362.8	11.04	341.7	10.37	324.4	9.40	316.8	9.03	303.3	8.78	288.2	8.06
		53.4	362.8	10.96	341.7	10.29	324.4	9.33	316.8	9.03	303.3	8.69	288.2	8.06
		91.2	362.8	10.63	341.7	9.99	324.4	9.03	316.8	9.03	303.3	8.36	288.2	8.06
		114.0	362.8	10.63	341.7	9.66	324.4	9.03	316.8	8.69	303.3	8.36	288.2	7.73
		136.8	362.8	10.63	341.7	9.49	324.4	9.03	316.8	8.53	303.3	8.36	288.2	7.56
	104	36.6	362.8	10.45	341.7	9.40	324.4	8.36	316.8	8.44	303.3	7.73	288.2	7.47
		53.4	362.8	10.29	341.7	9.33	324.4	8.36	316.8	8.36	303.3	7.73	288.2	7.39
		91.2	362.8	9.66	341.7	9.03	324.4	8.36	316.8	8.06	303.3	7.73	288.2	7.09
		114.0	362.8	9.66	341.7	9.03	324.4	8.06	316.8	8.06	303.3	7.73	288.2	7.09
		136.8	362.8	9.66	341.7	9.03	324.4	7.91	316.8	8.06	303.3	7.73	288.2	7.09
	113	36.6	362.8	9.90	341.7	8.44	324.4	7.31	316.8	7.89	303.3	6.68	288.2	6.92
		53.4	362.8	9.66	341.7	8.36	324.4	7.39	316.8	7.73	303.3	6.76	288.2	6.76
		91.2	362.8	8.69	341.7	8.06	324.4	7.73	316.8	7.09	303.3	7.09	288.2	6.13
		114.0	362.8	8.69	341.7	8.36	324.4	7.09	316.8	7.39	303.3	7.09	288.2	6.43
		136.8	362.8	8.69	341.7	8.51	324.4	6.78	316.8	7.55	303.3	7.09	288.2	6.58

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM360BAS5

360,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	36.6	126.7	11.64	119.1	11.08	112.6	10.72	111.5	10.11	110.7	9.75	108.9	8.87
		53.4	131.1	11.89	123.2	11.33	116.4	10.96	115.3	10.33	114.5	9.96	112.6	9.06
		91.2	148.4	12.89	139.4	12.29	131.5	11.89	130.4	11.19	129.6	10.79	127.3	9.83
		114.0	164.3	13.92	154.1	13.26	145.4	12.82	144.3	12.06	143.2	11.66	140.5	10.59
		136.8	172.2	14.44	161.5	13.74	152.4	13.29	151.3	12.49	150.0	12.09	147.2	10.98
	32	36.6	227.0	17.04	209.7	16.25	194.8	15.70	191.4	14.78	188.4	14.28	181.7	12.99
		53.4	228.3	17.09	211.0	16.29	195.9	15.76	192.5	14.82	189.5	14.32	182.7	13.02
		91.2	233.6	17.29	215.9	16.45	200.4	15.96	197.0	14.99	194.0	14.49	186.9	13.16
		114.0	237.0	17.29	219.3	16.45	203.4	15.96	200.1	14.99	197.0	14.49	189.9	13.16
		136.8	238.7	17.29	221.0	16.45	205.0	15.96	201.6	14.99	198.6	14.49	191.4	13.16
	41	36.6	313.5	18.56	297.1	17.66	282.8	17.10	276.9	16.11	264.5	15.54	252.0	14.11
		53.4	314.2	18.65	297.6	17.75	282.9	17.19	276.9	16.19	264.5	15.62	252.0	14.19
		91.2	316.8	19.02	299.9	18.12	283.3	17.55	276.9	16.49	264.5	15.96	252.0	14.49
		114.0	316.8	19.15	299.5	18.25	283.3	17.69	276.9	16.62	264.5	16.06	252.0	14.59
		136.8	316.8	19.22	299.3	18.32	283.3	17.75	276.9	16.69	264.5	16.11	252.0	14.64
	50	36.6	315.0	17.09	298.1	16.16	283.3	15.56	276.9	14.69	264.5	14.09	252.0	12.89
		53.4	315.3	17.05	298.4	16.12	283.3	15.52	276.9	14.69	264.5	14.09	252.0	12.89
		91.2	316.8	16.92	299.5	15.99	283.3	15.39	276.9	14.69	264.5	14.09	252.0	12.89
		114.0	316.8	16.99	299.5	16.06	283.3	15.46	276.9	14.76	264.5	13.99	252.0	12.92
		136.8	316.8	17.02	299.5	16.09	283.3	15.49	276.9	14.79	264.5	13.94	252.0	12.94
	59	36.6	316.8	15.62	299.5	14.65	283.3	14.03	276.9	13.27	264.5	12.64	252.0	11.68
		53.4	316.8	15.46	299.5	14.49	283.3	13.86	276.9	13.19	264.5	12.56	252.0	11.59
		91.2	316.8	14.82	299.5	13.86	283.3	13.19	276.9	12.89	264.5	12.22	252.0	11.26
		114.0	316.8	14.82	299.5	13.86	283.3	13.19	276.9	12.89	264.5	11.92	252.0	11.26
		136.8	316.8	14.82	299.5	13.86	283.3	13.19	276.9	12.89	264.5	11.77	252.0	11.26
	68	36.6	316.8	12.97	299.5	12.30	283.3	12.01	276.9	11.68	264.5	11.04	252.0	10.37
		53.4	316.8	12.89	299.5	12.22	283.3	11.92	276.9	11.59	264.5	10.96	252.0	10.29
		91.2	316.8	12.56	299.5	11.92	283.3	11.59	276.9	11.26	264.5	10.63	252.0	9.99
		114.0	316.8	12.56	299.5	11.92	283.3	11.59	276.9	10.96	264.5	10.63	252.0	9.66
		136.8	316.8	12.56	299.5	11.92	283.3	11.59	276.9	10.81	264.5	10.63	252.0	9.49
	77	36.6	316.8	11.68	299.5	11.04	283.3	10.37	276.9	10.08	264.5	9.33	252.0	8.69
		53.4	316.8	11.59	299.5	10.96	283.3	10.29	276.9	9.99	264.5	9.33	252.0	8.69
		91.2	316.8	11.26	299.5	10.63	283.3	9.99	276.9	9.66	264.5	9.33	252.0	8.69
		114.0	316.8	10.96	299.5	10.29	283.3	9.99	276.9	9.66	264.5	9.03	252.0	8.69
		136.8	316.8	10.81	299.5	10.12	283.3	9.99	276.9	9.66	264.5	8.88	252.0	8.69
	86	36.6	316.8	10.37	299.5	9.74	283.3	9.11	276.9	8.69	264.5	8.44	252.0	7.73
		53.4	316.8	10.29	299.5	9.66	283.3	9.03	276.9	8.69	264.5	8.36	252.0	7.73
		91.2	316.8	9.99	299.5	9.33	283.3	8.69	276.9	8.69	264.5	8.06	252.0	7.73
		114.0	316.8	9.99	299.5	9.33	283.3	8.69	276.9	8.36	264.5	8.06	252.0	7.73
		136.8	316.8	9.99	299.5	9.33	283.3	8.69	276.9	8.19	264.5	8.06	252.0	7.73
	95	36.6	316.8	9.40	299.5	8.78	283.3	8.06	276.9	8.15	264.5	7.39	252.0	7.18
		53.4	316.8	9.33	299.5	8.69	283.3	8.06	276.9	8.06	264.5	7.39	252.0	7.09
		91.2	316.8	9.03	299.5	8.36	283.3	8.06	276.9	7.73	264.5	7.39	252.0	6.76
		114.0	316.8	9.03	299.5	8.36	283.3	7.73	276.9	7.73	264.5	7.39	252.0	6.76
		136.8	316.8	9.03	299.5	8.36	283.3	7.56	276.9	7.73	264.5	7.39	252.0	6.76
	104	36.6	316.8	8.78	299.5	8.15	283.3	7.47	276.9	7.09	264.5	6.76	252.0	6.50
		53.4	316.8	8.69	299.5	8.06	283.3	7.39	276.9	7.09	264.5	6.76	252.0	6.43
		91.2	316.8	8.36	299.5	7.73	283.3	7.09	276.9	7.09	264.5	6.76	252.0	6.13
		114.0	316.8	8.36	299.5	7.73	283.3	7.09	276.9	6.76	264.5	6.43	252.0	6.13
		136.8	316.8	8.36	299.5	7.73	283.3	7.09	276.9	6.59	264.5	6.26	252.0	6.13
	113	36.6	316.8	8.15	299.5	7.47	283.3	6.92	276.9	6.05	264.5	6.13	252.0	5.88
		53.4	316.8	8.06	299.5	7.39	283.3	6.76	276.9	6.13	264.5	6.13	252.0	5.80
		91.2	316.8	7.73	299.5	7.09	283.3	6.13	276.9	6.43	264.5	6.13	252.0	5.46
		114.0	316.8	7.73	299.5	7.09	283.3	6.43	276.9	5.80	264.5	5.46	252.0	5.46
		136.8	316.8	7.73	299.5	7.09	283.3	6.58	276.9	5.48	264.5	5.13	252.0	5.46

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	36.6	108.8	9.45	102.0	9.09	96.5	8.73	95.4	8.12	95.0	7.98	93.2	7.13
		53.4	112.6	9.66	105.5	9.29	99.8	8.93	98.7	8.29	98.3	8.16	96.4	7.29
		91.2	127.7	10.49	119.4	10.09	113.0	9.69	111.9	8.99	111.5	8.86	109.3	7.93
		114.0	140.9	11.29	131.9	10.89	125.1	10.46	123.6	9.73	123.2	9.56	120.6	8.53
		136.8	147.5	11.69	138.1	11.30	131.2	10.85	129.5	10.10	129.1	9.91	126.3	8.83
	32	36.6	194.8	13.85	179.4	13.36	167.4	12.78	164.1	11.89	161.8	11.72	155.9	10.47
		53.4	195.9	13.89	180.5	13.39	168.4	12.82	165.0	11.92	162.8	11.76	156.7	10.49
		91.2	200.4	14.06	184.6	13.52	172.5	12.99	168.8	12.06	166.5	11.89	160.1	10.59
		114.0	203.4	14.06	187.6	13.52	175.2	12.99	171.4	12.06	169.2	11.89	162.8	10.59
		136.8	205.0	14.06	189.1	13.52	176.5	12.99	172.7	12.06	170.5	11.89	164.1	10.59
	41	36.6	269.2	15.08	253.8	14.51	243.4	13.91	237.3	12.96	227.2	12.76	216.3	11.37
		53.4	269.7	15.16	254.3	14.59	243.4	13.99	237.3	13.02	227.2	12.82	216.3	11.43
		91.2	272.0	15.46	256.2	14.89	243.4	14.29	237.3	13.29	227.2	13.09	216.3	11.66
		114.0	272.0	15.59	255.8	14.99	243.4	14.39	237.3	13.39	227.2	13.16	216.3	11.76
		136.8	272.0	15.66	255.6	15.04	243.4	14.44	237.3	13.44	227.2	13.19	216.3	11.81
	50	36.6	270.6	13.86	254.8	13.26	243.4	12.62	237.3	11.79	227.2	11.57	216.3	10.37
		53.4	270.9	13.86	255.1	13.26	243.4	12.62	237.3	11.82	227.2	11.56	216.3	10.39
		91.2	272.0	13.86	256.2	13.26	243.4	12.62	237.3	11.96	227.2	11.53	216.3	10.49
		114.0	272.0	13.89	255.8	13.12	243.4	12.49	237.3	11.82	227.2	11.43	216.3	10.39
		136.8	272.0	13.91	255.6	13.06	243.4	12.42	237.3	11.76	227.2	11.37	216.3	10.34
	59	36.6	272.0	12.64	255.8	12.01	243.4	11.33	237.3	10.63	227.2	10.37	216.3	9.33
		53.4	272.0	12.56	255.8	11.92	243.4	11.26	237.3	10.63	227.2	10.29	216.3	9.33
		91.2	272.0	12.22	255.8	11.59	243.4	10.96	237.3	10.63	227.2	9.99	216.3	9.33
		114.0	272.0	12.22	255.8	11.26	243.4	10.63	237.3	10.29	227.2	9.66	216.3	9.03
		136.8	272.0	12.22	255.8	11.09	243.4	10.46	237.3	10.12	227.2	9.49	216.3	8.88
	68	36.6	272.0	11.04	255.8	10.37	243.4	9.74	237.3	9.40	227.2	9.11	216.3	8.44
		53.4	272.0	10.96	255.8	10.29	243.4	9.66	237.3	9.33	227.2	9.03	216.3	8.36
		91.2	272.0	10.63	255.8	9.99	243.4	9.33	237.3	9.03	227.2	8.69	216.3	8.06
		114.0	272.0	10.63	255.8	9.99	243.4	9.33	237.3	9.03	227.2	8.69	216.3	8.06
		136.8	272.0	10.63	255.8	9.99	243.4	9.33	237.3	9.03	227.2	8.69	216.3	8.06
	77	36.6	272.0	9.74	255.8	9.11	243.4	8.36	237.3	8.44	227.2	7.73	216.3	7.47
		53.4	272.0	9.66	255.8	9.03	243.4	8.36	237.3	8.36	227.2	7.73	216.3	7.39
		91.2	272.0	9.33	255.8	8.69	243.4	8.36	237.3	8.06	227.2	7.73	216.3	7.09
		114.0	272.0	9.33	255.8	8.69	243.4	8.06	237.3	8.06	227.2	7.73	216.3	7.09
		136.8	272.0	9.33	255.8	8.69	243.4	7.91	237.3	8.06	227.2	7.73	216.3	7.09
	86	36.6	272.0	8.78	255.8	8.15	243.4	7.81	237.3	7.47	227.2	7.18	216.3	6.85
		53.4	272.0	8.69	255.8	8.06	243.4	7.73	237.3	7.39	227.2	7.09	216.3	6.76
		91.2	272.0	8.36	255.8	7.73	243.4	7.39	237.3	7.09	227.2	6.76	216.3	6.43
		114.0	272.0	8.36	255.8	7.73	243.4	7.39	237.3	7.09	227.2	6.76	216.3	6.43
		136.8	272.0	8.36	255.8	7.73	243.4	7.39	237.3	7.09	227.2	6.76	216.3	6.43
	95	36.6	272.0	7.73	255.8	7.47	243.4	6.76	237.3	6.85	227.2	6.50	216.3	6.21
		53.4	272.0	7.73	255.8	7.39	243.4	6.76	237.3	6.76	227.2	6.43	216.3	6.13
		91.2	272.0	7.73	255.8	7.09	243.4	6.76	237.3	6.43	227.2	6.13	216.3	5.80
		114.0	272.0	7.73	255.8	7.09	243.4	6.43	237.3	6.43	227.2	6.13	216.3	5.80
		136.8	272.0	7.73	255.8	7.09	243.4	6.26	237.3	6.43	227.2	6.13	216.3	5.80
	104	36.6	272.0	7.09	255.8	6.85	243.4	6.13	237.3	6.21	227.2	5.88	216.3	5.46
		53.4	272.0	7.09	255.8	6.76	243.4	6.13	237.3	6.13	227.2	5.80	216.3	5.46
		91.2	272.0	7.09	255.8	6.43	243.4	6.13	237.3	5.80	227.2	5.46	216.3	5.46
		114.0	272.0	7.09	255.8	6.43	243.4	6.13	237.3	5.80	227.2	5.46	216.3	5.46
		136.8	272.0	7.09	255.8	6.43	243.4	6.13	237.3	5.80	227.2	5.46	216.3	5.46
	113	36.6	272.0	6.43	255.8	6.21	243.4	5.46	237.3	5.54	227.2	5.25	216.3	4.75
		53.4	272.0	6.43	255.8	6.13	243.4	5.46	237.3	5.46	227.2	5.16	216.3	4.83
		91.2	272.0	6.43	255.8	5.80	243.4	5.46	237.3	5.16	227.2	4.83	216.3	5.16
		114.0	272.0	6.43	255.8	5.80	243.4	5.80	237.3	5.16	227.2	4.83	216.3	5.16
		136.8	272.0	6.43	255.8	5.80	243.4	5.96	237.3	5.16	227.2	4.83	216.3	5.16

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM360BAS5

360,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	36.6	90.8	7.53	85.3	7.13	80.5	6.75	79.4	6.39	79.0	5.99	77.6	5.68
		53.4	93.8	7.69	88.2	7.29	83.3	6.90	82.1	6.53	81.8	6.13	80.2	5.80
		91.2	105.9	8.33	99.5	7.93	94.2	7.46	93.1	7.09	92.7	6.66	90.8	6.26
		114.0	117.2	8.99	110.0	8.53	104.0	8.06	102.9	7.66	102.1	7.16	100.6	6.76
		136.8	122.9	9.33	115.3	8.83	108.9	8.36	107.8	7.95	106.8	7.41	105.5	7.01
	32	36.6	161.8	11.03	149.8	10.47	139.3	9.86	136.3	9.36	134.4	8.80	129.6	8.30
		53.4	162.8	11.06	150.7	10.49	140.1	9.89	137.1	9.39	135.3	8.83	130.4	8.33
		91.2	166.5	11.16	154.1	10.59	143.5	10.03	140.5	9.53	138.6	8.93	133.4	8.43
		114.0	169.2	11.16	156.3	10.59	145.4	10.03	142.8	9.53	140.5	8.93	135.6	8.43
		136.8	170.5	11.16	157.5	10.59	146.4	10.03	143.9	9.53	141.5	8.93	136.8	8.43
	41	36.6	223.7	12.00	212.1	11.37	202.2	10.73	197.4	10.21	188.7	9.58	180.1	9.01
		53.4	224.2	12.06	212.5	11.43	202.3	10.79	197.4	10.26	188.7	9.63	180.1	9.06
		91.2	226.0	12.29	214.0	11.66	202.7	11.03	197.4	10.46	188.7	9.79	180.1	9.26
		114.0	226.0	12.39	213.6	11.76	202.7	11.09	197.4	10.53	188.7	9.89	180.1	9.33
		136.8	226.0	12.44	213.4	11.81	202.7	11.13	197.4	10.56	188.7	9.94	180.1	9.36
	50	36.6	225.1	11.04	212.6	10.40	202.2	9.78	197.4	9.34	188.7	8.64	180.1	8.24
		53.4	225.3	11.03	212.9	10.39	202.3	9.76	197.4	9.33	188.7	8.66	180.1	8.23
		91.2	226.0	10.96	214.0	10.36	202.7	9.69	197.4	9.26	188.7	8.76	180.1	8.16
		114.0	226.0	11.03	213.6	10.39	202.7	9.73	197.4	9.29	188.7	8.63	180.1	8.19
		136.8	226.0	11.06	213.4	10.41	202.7	9.74	197.4	9.31	188.7	8.56	180.1	8.21
	59	36.6	226.0	10.08	213.6	9.40	202.7	8.78	197.4	8.44	188.7	7.73	180.1	7.47
		53.4	226.0	9.99	213.6	9.33	202.7	8.69	197.4	8.36	188.7	7.73	180.1	7.39
		91.2	226.0	9.66	213.6	9.03	202.7	8.36	197.4	8.06	188.7	7.73	180.1	7.09
		114.0	226.0	9.66	213.6	9.03	202.7	8.36	197.4	8.06	188.7	7.39	180.1	7.09
		136.8	226.0	9.66	213.6	9.03	202.7	8.36	197.4	8.06	188.7	7.23	180.1	7.09
	68	36.6	226.0	8.78	213.6	8.15	202.7	7.81	197.4	7.47	188.7	7.18	180.1	6.43
		53.4	226.0	8.69	213.6	8.06	202.7	7.73	197.4	7.39	188.7	7.09	180.1	6.43
		91.2	226.0	8.36	213.6	7.73	202.7	7.39	197.4	7.09	188.7	6.76	180.1	6.43
		114.0	226.0	8.36	213.6	7.73	202.7	7.39	197.4	7.09	188.7	6.76	180.1	6.43
		136.8	226.0	8.36	213.6	7.73	202.7	7.39	197.4	7.09	188.7	6.76	180.1	6.43
	77	36.6	226.0	7.81	213.6	7.09	202.7	6.85	197.4	6.43	188.7	6.13	180.1	5.80
		53.4	226.0	7.73	213.6	7.09	202.7	6.76	197.4	6.43	188.7	6.13	180.1	5.80
		91.2	226.0	7.39	213.6	7.09	202.7	6.43	197.4	6.43	188.7	6.13	180.1	5.80
		114.0	226.0	7.39	213.6	7.09	202.7	6.43	197.4	6.43	188.7	6.13	180.1	5.80
		136.8	226.0	7.39	213.6	7.09	202.7	6.43	197.4	6.43	188.7	6.13	180.1	5.80
	86	36.6	226.0	7.18	213.6	6.50	202.7	6.21	197.4	5.80	188.7	5.88	180.1	5.54
		53.4	226.0	7.09	213.6	6.43	202.7	6.13	197.4	5.80	188.7	5.80	180.1	5.46
		91.2	226.0	6.76	213.6	6.13	202.7	5.80	197.4	5.80	188.7	5.46	180.1	5.16
		114.0	226.0	6.76	213.6	6.13	202.7	5.80	197.4	5.80	188.7	5.46	180.1	5.16
		136.8	226.0	6.76	213.6	6.13	202.7	5.80	197.4	5.80	188.7	5.46	180.1	5.16
	95	36.6	226.0	6.50	213.6	5.80	202.7	5.46	197.4	5.54	188.7	5.16	180.1	4.83
		53.4	226.0	6.43	213.6	5.80	202.7	5.46	197.4	5.46	188.7	5.16	180.1	4.83
		91.2	226.0	6.13	213.6	5.80	202.7	5.46	197.4	5.16	188.7	5.16	180.1	4.83
		114.0	226.0	6.13	213.6	5.80	202.7	5.46	197.4	5.16	188.7	5.16	180.1	4.83
		136.8	226.0	6.13	213.6	5.80	202.7	5.46	197.4	5.16	188.7	5.16	180.1	4.83
	104	36.6	226.0	5.88	213.6	5.54	202.7	5.25	197.4	4.83	188.7	4.91	180.1	4.50
		53.4	226.0	5.80	213.6	5.46	202.7	5.16	197.4	4.83	188.7	4.83	180.1	4.50
		91.2	226.0	5.46	213.6	5.16	202.7	4.83	197.4	4.83	188.7	4.50	180.1	4.50
		114.0	226.0	5.46	213.6	5.16	202.7	4.83	197.4	4.83	188.7	4.50	180.1	4.50
		136.8	226.0	5.46	213.6	5.16	202.7	4.83	197.4	4.83	188.7	4.50	180.1	4.50
	113	36.6	226.0	5.25	213.6	5.33	202.7	4.99	197.4	4.12	188.7	4.66	180.1	4.20
		53.4	226.0	5.16	213.6	5.16	202.7	4.83	197.4	4.20	188.7	4.50	180.1	4.20
		91.2	226.0	4.83	213.6	4.50	202.7	4.20	197.4	4.50	188.7	3.86	180.1	4.20
		114.0	226.0	4.83	213.6	4.50	202.7	4.20	197.4	4.50	188.7	3.86	180.1	4.20
		136.8	226.0	4.83	213.6	4.50	202.7	4.20	197.4	4.50	188.7	3.86	180.1	4.20

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	42.6	229.9	29.47	228.2	27.74	226.9	25.83	223.8	25.06	226.4	24.41	220.2	21.89
		53.4	237.8	29.98	236.0	28.28	234.6	26.39	231.5	25.61	234.2	24.94	227.9	22.36
		106.5	269.0	32.02	266.7	30.42	265.4	28.62	261.8	27.80	264.9	27.02	258.1	24.26
		133.2	297.5	34.06	294.8	32.50	293.0	30.85	289.3	30.03	293.0	29.16	285.3	26.15
	32	159.9	311.8	35.08	308.9	33.55	306.9	31.98	303.2	31.15	307.1	30.23	298.9	27.10
		42.6	410.7	40.30	401.4	39.10	392.8	37.83	384.3	36.76	385.6	35.75	368.0	32.02
		53.4	413.2	40.41	403.7	39.20	395.1	37.94	386.5	36.87	387.9	35.85	370.3	32.11
		106.5	423.2	40.85	412.8	39.59	404.2	38.37	395.6	37.31	396.9	36.24	379.3	32.50
	41	133.2	429.5	40.85	419.1	39.59	410.5	38.37	401.5	37.31	402.8	36.24	384.7	32.50
		159.9	432.7	40.85	422.3	39.59	413.7	38.37	404.4	37.31	405.8	36.24	387.5	32.50
	50	42.6	591.5	43.32	582.6	42.25	570.4	41.17	556.1	40.01	541.2	38.90	511.3	34.84
		53.4	593.6	43.52	583.7	42.45	570.5	41.38	556.1	40.22	541.2	39.10	511.3	35.03
		106.5	601.7	44.29	587.7	43.22	571.0	42.21	556.1	41.04	541.2	39.88	511.3	35.75
		133.2	605.4	44.58	589.5	43.52	571.0	42.50	556.1	41.33	541.2	40.17	511.3	36.00
	59	159.9	607.2	44.73	590.4	43.66	571.0	42.64	556.1	41.48	541.2	40.31	511.3	36.12
		42.6	592.3	39.42	582.7	38.09	568.7	37.38	553.8	36.54	539.1	35.29	509.3	31.85
		53.4	595.9	39.34	585.5	38.13	571.0	37.45	556.1	36.53	541.2	35.27	511.3	31.82
		106.5	609.9	39.05	596.3	38.28	580.0	37.74	565.1	36.48	549.3	35.17	519.5	31.73
	68	133.2	613.0	39.59	600.4	38.81	583.7	37.89	567.8	36.63	552.9	35.75	522.6	33.23
		159.9	614.6	39.85	602.4	39.08	585.5	37.96	569.2	36.70	554.7	36.05	524.2	33.99
	77	42.6	593.2	35.53	582.8	34.01	566.4	33.64	551.5	33.09	537.0	31.68	507.2	28.87
		53.4	598.1	35.17	587.3	33.86	571.0	33.57	556.1	32.84	541.2	31.44	511.3	28.62
		106.5	617.6	33.76	604.9	33.28	589.1	33.28	574.2	31.87	557.4	30.47	527.6	27.65
		133.2	620.7	34.59	610.8	34.06	596.3	33.28	580.0	31.87	565.1	31.34	533.9	30.47
	86	159.9	622.3	35.00	613.7	34.45	600.0	33.28	583.0	31.87	569.0	31.78	537.1	31.88
		42.6	615.8	32.59	604.5	31.07	588.6	30.39	572.3	29.42	555.7	28.77	522.7	27.88
		53.4	620.7	32.36	609.4	31.05	593.1	30.37	576.9	29.54	560.6	28.96	527.6	27.65
		106.5	640.2	31.44	628.9	30.95	611.2	30.27	595.0	30.03	580.0	29.74	547.0	26.73
	95	133.2	642.9	31.44	633.4	30.95	618.5	30.47	600.8	30.03	584.6	29.74	551.6	28.43
		159.9	644.2	31.44	635.7	30.95	622.1	30.56	603.8	30.03	586.8	29.74	553.8	29.28
	104	42.6	650.1	31.07	633.4	30.18	618.5	29.67	606.7	29.17	593.1	28.74	559.2	26.85
		53.4	650.1	30.95	633.4	30.13	618.5	29.54	606.7	29.06	593.1	28.62	559.2	26.73
		106.5	650.1	30.47	633.4	29.93	618.5	29.06	606.7	28.62	593.1	28.14	559.2	26.25
		133.2	650.1	30.03	633.4	29.16	618.5	28.62	606.7	28.14	593.1	27.65	559.2	25.81
	113	159.9	650.1	29.81	633.4	28.76	618.5	28.40	606.7	27.89	593.1	27.41	559.2	25.59
		42.6	650.1	30.27	633.4	28.77	618.5	28.50	606.7	27.76	593.1	27.46	559.2	25.56
		53.4	650.1	30.03	633.4	28.72	618.5	28.33	606.7	27.65	593.1	27.22	559.2	25.32
		106.5	650.1	29.06	633.4	28.53	618.5	27.65	606.7	27.22	593.1	26.25	559.2	24.40
	122	133.2	650.1	28.62	633.4	27.75	618.5	27.22	606.7	26.73	593.1	26.25	559.2	24.40
		159.9	650.1	28.40	633.4	27.36	618.5	27.00	606.7	26.49	593.1	26.25	559.2	24.40
	131	42.6	650.1	28.87	633.4	27.91	618.5	27.34	606.7	26.36	593.1	25.45	559.2	23.66
		53.4	650.1	28.62	633.4	27.75	618.5	27.22	606.7	26.25	593.1	25.32	559.2	23.43
		106.5	650.1	27.65	633.4	27.12	618.5	26.73	606.7	25.81	593.1	24.84	559.2	22.51
		133.2	650.1	27.65	633.4	26.83	618.5	26.25	606.7	25.32	593.1	24.40	559.2	22.51
	140	159.9	650.1	27.65	633.4	26.68	618.5	26.00	606.7	25.08	593.1	24.18	559.2	22.51
		42.6	650.1	27.88	633.4	27.00	618.5	26.48	606.7	25.56	593.1	24.65	559.2	22.26
		53.4	650.1	27.65	633.4	26.83	618.5	26.25	606.7	25.32	593.1	24.40	559.2	22.02
		106.5	650.1	26.73	633.4	26.15	618.5	25.32	606.7	24.40	593.1	23.43	559.2	21.10
	149	133.2	650.1	26.25	633.4	25.71	618.5	25.32	606.7	24.40	593.1	23.43	559.2	21.10
		159.9	650.1	26.00	633.4	25.49	618.5	25.32	606.7	24.40	593.1	23.43	559.2	21.10
	158	42.6	650.1	26.96	633.4	26.08	618.5	25.68	606.7	24.76	593.1	23.79	559.2	20.85
		53.4	650.1	26.73	633.4	25.91	618.5	25.32	606.7	24.40	593.1	23.43	559.2	20.62
		106.5	650.1	25.81	633.4	25.23	618.5	23.92	606.7	22.99	593.1	22.02	559.2	19.70
		133.2	650.1	24.84	633.4	24.60	618.5	24.40	606.7	23.43	593.1	22.51	559.2	19.70
	167	159.9	650.1	24.35	633.4	24.28	618.5	24.65	606.7	23.65	593.1	22.75	559.2	19.70

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM432BAS5

432,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	42.6	218.5	29.47	216.8	27.74	215.5	25.83	212.9	24.74	214.6	24.02	208.9	21.50
		53.4	226.0	29.98	224.2	28.28	222.9	26.39	220.2	25.27	222.0	24.55	216.1	21.98
		106.5	255.9	32.02	253.6	30.42	252.3	28.62	249.1	27.41	251.4	26.63	244.6	23.87
		133.2	282.6	34.06	280.3	32.50	278.5	30.85	275.3	29.59	277.6	28.72	269.9	25.71
		159.9	296.0	35.08	293.7	33.55	291.7	31.98	288.5	30.69	290.8	29.77	282.7	26.64
	32	42.6	390.6	40.30	381.1	39.10	373.0	37.83	365.4	36.23	365.4	35.22	348.7	31.48
		53.4	392.9	40.41	383.4	39.20	375.2	37.94	367.6	36.34	367.6	35.32	350.8	31.58
		106.5	401.9	40.85	392.4	39.59	384.3	38.37	376.1	36.77	376.1	35.70	359.4	31.97
		133.2	408.2	40.85	398.7	39.59	390.2	38.37	382.0	36.77	381.6	35.70	364.8	31.97
		159.9	411.4	40.85	401.9	39.59	393.1	38.37	385.0	36.77	384.3	35.70	367.6	31.97
	41	42.6	563.1	43.32	554.6	42.25	542.5	41.17	529.4	39.43	512.7	38.32	484.6	34.32
		53.4	565.1	43.52	555.6	42.45	542.5	41.38	529.4	39.63	512.7	38.52	484.6	34.49
		106.5	573.3	44.29	559.7	43.22	542.5	42.21	529.4	40.46	512.7	39.29	484.6	35.17
		133.2	576.4	44.58	556.5	43.52	542.5	42.50	529.4	40.75	512.7	39.59	484.6	35.41
		159.9	578.0	44.73	554.9	43.66	542.5	42.64	529.4	40.90	512.7	39.73	484.6	35.54
	50	42.6	565.2	38.92	554.7	37.84	541.0	37.07	527.9	35.95	511.3	34.76	483.4	31.25
		53.4	567.8	39.05	557.0	37.98	542.5	37.21	529.4	36.00	512.7	34.73	484.6	31.29
		106.5	578.2	39.59	566.0	38.57	548.4	37.74	535.3	36.19	518.1	34.64	489.6	31.44
		133.2	581.4	39.44	564.2	38.57	550.6	37.89	537.5	36.34	520.4	34.78	491.9	32.50
		159.9	583.0	39.37	563.3	38.57	551.8	37.96	538.7	36.41	521.5	34.86	493.0	33.04
	59	42.6	566.8	34.52	555.4	33.50	539.4	32.98	526.4	32.48	510.0	31.18	482.0	28.26
		53.4	570.1	34.59	558.8	33.57	542.5	33.04	529.4	32.36	512.7	30.95	484.6	28.14
		106.5	583.2	34.88	572.3	33.86	554.7	33.28	541.2	31.87	523.1	30.03	495.0	27.65
		133.2	586.4	34.35	571.9	33.57	559.2	33.28	545.7	31.87	527.6	30.03	499.6	29.54
		159.9	588.0	34.08	571.7	33.42	561.5	33.28	548.0	31.87	529.9	30.03	501.8	30.50
	68	42.6	582.6	31.05	571.6	29.72	554.3	28.94	539.1	28.51	521.6	28.16	493.4	26.73
		53.4	586.4	31.05	575.1	29.83	557.4	29.06	542.5	28.62	524.9	28.14	496.4	26.63
		106.5	601.3	31.05	588.6	30.27	569.6	29.54	556.1	29.06	538.0	28.04	508.2	26.25
		133.2	604.0	30.76	588.2	30.03	574.2	29.54	559.2	29.06	541.2	28.14	511.3	27.22
		159.9	605.4	30.61	587.9	29.91	576.4	29.54	560.8	29.06	542.8	28.19	512.9	27.70
	77	42.6	610.9	29.36	593.1	27.99	574.2	27.46	562.0	26.85	547.0	26.36	517.2	24.52
		53.4	611.2	29.25	593.1	27.94	574.2	27.41	562.0	26.73	547.0	26.25	517.2	24.40
		106.5	612.6	28.82	593.1	27.75	574.2	27.22	562.0	26.25	547.0	25.81	517.2	23.92
		133.2	614.4	27.75	593.1	27.02	574.2	26.73	562.0	26.25	547.0	25.32	517.2	23.92
		159.9	615.3	27.21	593.1	26.65	574.2	26.49	562.0	26.25	547.0	25.08	517.2	23.92
	86	42.6	614.4	28.08	593.1	26.70	574.2	25.93	562.0	24.95	547.0	24.65	517.2	22.63
		53.4	614.4	27.85	593.1	26.54	574.2	25.81	562.0	24.84	547.0	24.40	517.2	22.51
		106.5	614.4	26.92	593.1	25.91	574.2	25.32	562.0	24.40	547.0	23.43	517.2	22.02
		133.2	614.4	26.05	593.1	25.32	574.2	24.84	562.0	24.40	547.0	23.43	517.2	21.59
		159.9	614.4	25.61	593.1	25.03	574.2	24.59	562.0	24.40	547.0	23.43	517.2	21.37
	95	42.6	614.4	26.82	593.1	25.36	574.2	24.65	562.0	23.66	547.0	22.74	517.2	20.73
		53.4	614.4	26.44	593.1	25.13	574.2	24.40	562.0	23.43	547.0	22.51	517.2	20.62
		106.5	614.4	24.94	593.1	24.21	574.2	23.43	562.0	22.51	547.0	21.59	517.2	20.18
		133.2	614.4	24.64	593.1	24.01	574.2	23.43	562.0	22.51	547.0	21.59	517.2	19.70
		159.9	614.4	24.50	593.1	23.92	574.2	23.43	562.0	22.51	547.0	21.59	517.2	19.45
	104	42.6	614.4	26.02	593.1	24.20	574.2	23.24	562.0	22.26	547.0	21.34	517.2	19.32
		53.4	614.4	25.52	593.1	23.92	574.2	22.99	562.0	22.02	547.0	21.10	517.2	19.21
		106.5	614.4	23.53	593.1	22.80	574.2	22.02	562.0	21.10	547.0	20.18	517.2	18.77
		133.2	614.4	23.24	593.1	22.51	574.2	22.02	562.0	21.10	547.0	20.18	517.2	18.29
		159.9	614.4	23.09	593.1	22.36	574.2	22.02	562.0	21.10	547.0	20.18	517.2	18.04
	113	42.6	614.4	25.22	593.1	23.03	574.2	21.83	562.0	20.85	547.0	19.93	517.2	17.91
		53.4	614.4	24.60	593.1	22.70	574.2	21.59	562.0	20.62	547.0	19.70	517.2	17.80
		106.5	614.4	22.12	593.1	21.39	574.2	20.62	562.0	19.70	547.0	18.77	517.2	17.37
		133.2	614.4	21.83	593.1	21.01	574.2	20.62	562.0	19.70	547.0	18.77	517.2	16.88
		159.9	614.4	21.68	593.1	20.81	574.2	20.62	562.0	19.70	547.0	18.77	517.2	16.64

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	42.6	206.8	29.85	205.4	27.74	204.0	25.83	201.9	24.74	202.5	24.02	197.9	21.50
		53.4	213.8	30.37	212.5	28.28	211.1	26.39	208.9	25.27	209.3	24.55	204.8	21.98
		106.5	241.9	32.41	240.5	30.42	239.2	28.62	236.4	27.41	236.4	26.63	231.9	23.87
		133.2	267.2	34.49	265.4	32.50	264.0	30.85	261.3	29.59	261.3	28.72	255.9	25.71
	32	159.9	279.9	35.54	277.9	33.55	276.6	31.98	273.8	30.69	273.8	29.77	268.0	26.64
		42.6	369.5	40.85	361.3	39.10	353.7	37.83	347.0	36.23	343.8	35.22	330.8	31.48
		53.4	371.6	40.94	363.5	39.20	355.8	37.94	349.0	36.34	345.9	35.32	332.7	31.58
		106.5	380.2	41.33	372.1	39.59	363.9	38.37	357.2	36.77	354.0	35.70	340.4	31.97
	41	133.2	386.1	41.33	377.9	39.59	369.8	38.37	362.6	36.77	359.4	35.70	345.4	31.97
		159.9	389.0	41.33	380.9	39.59	372.8	38.37	365.3	36.77	362.1	35.70	347.9	31.97
110	50	42.6	538.9	43.90	526.1	42.25	513.9	41.17	502.3	39.43	482.8	38.32	459.3	34.32
		53.4	540.7	44.10	527.1	42.45	514.0	41.38	502.3	39.63	482.8	38.52	459.3	34.49
		106.5	547.9	44.87	531.2	43.22	514.5	42.21	502.3	40.46	482.8	39.29	459.3	35.17
		133.2	551.1	45.16	532.6	43.52	514.5	42.50	502.3	40.75	482.8	39.59	459.3	35.41
	59	159.9	552.7	45.31	533.2	43.66	514.5	42.64	502.3	40.90	482.8	39.73	459.3	35.54
		42.6	540.9	39.37	527.6	38.02	513.2	37.20	501.5	35.95	482.0	34.76	458.8	31.25
		53.4	543.0	39.44	528.9	38.13	514.0	37.31	502.3	36.00	482.8	34.73	459.3	31.29
		106.5	551.1	39.73	534.4	38.57	517.2	37.74	505.4	36.19	486.0	34.64	461.6	31.44
	68	133.2	554.3	39.73	536.6	38.57	519.0	37.65	506.3	36.09	486.9	34.78	462.9	31.78
		159.9	555.9	39.73	537.8	38.57	519.9	37.60	506.8	36.04	487.4	34.86	463.6	31.95
110	77	42.6	542.5	34.83	528.4	33.86	513.0	33.28	500.8	32.48	481.2	31.18	458.2	28.26
		53.4	544.8	34.78	530.3	33.86	514.5	33.28	502.3	32.36	482.8	30.95	459.3	28.14
		106.5	553.8	34.59	538.0	33.86	520.4	33.28	508.2	31.87	489.2	30.03	463.8	27.65
		133.2	557.0	34.35	540.7	33.57	523.1	32.84	510.0	31.44	490.5	30.03	466.6	28.14
	86	159.9	558.6	34.22	542.1	33.42	524.4	32.62	510.9	31.22	491.2	30.03	467.9	28.38
		42.6	552.7	30.06	537.5	29.35	520.2	28.62	506.2	28.14	487.7	27.34	462.0	25.57
		53.4	555.6	30.13	539.3	29.35	521.7	28.62	508.2	28.14	489.2	27.22	463.8	25.52
		106.5	567.4	30.37	546.6	29.35	527.6	28.62	515.8	28.14	495.0	26.73	471.1	25.32
	95	133.2	570.5	30.37	551.1	29.35	530.8	28.62	517.2	27.65	497.8	26.73	472.4	25.32
		159.9	572.1	30.37	553.4	29.35	532.4	28.62	517.9	27.41	499.1	26.73	473.1	25.32
110	104	42.6	569.9	27.36	552.9	26.36	530.8	25.93	519.0	24.95	500.9	24.04	474.2	22.02
		53.4	571.0	27.31	552.9	26.25	530.8	25.81	519.0	24.84	500.9	23.92	474.2	22.02
		106.5	575.5	27.12	552.9	25.81	530.8	25.32	519.0	24.40	500.9	23.43	474.2	22.02
		133.2	578.2	27.12	552.9	25.91	530.8	24.84	519.0	24.40	500.9	22.99	474.2	21.59
	113	159.9	579.6	27.12	552.9	25.95	530.8	24.59	519.0	24.40	500.9	22.77	474.2	21.37
		42.6	578.2	24.95	552.9	24.04	530.8	23.12	519.0	22.63	500.9	21.23	474.2	19.82
		53.4	578.2	24.84	552.9	23.92	530.8	22.99	519.0	22.51	500.9	21.10	474.2	19.70
		106.5	578.2	24.40	552.9	23.43	530.8	22.51	519.0	22.02	500.9	20.62	474.2	19.21
	104	133.2	578.2	24.21	552.9	22.99	530.8	22.02	519.0	21.59	500.9	20.62	474.2	19.21
		159.9	578.2	24.11	552.9	22.77	530.8	21.78	519.0	21.37	500.9	20.62	474.2	19.21
110	104	42.6	578.2	23.66	552.9	22.13	530.8	21.23	519.0	20.30	500.9	19.32	474.2	17.91
		53.4	578.2	23.43	552.9	22.02	530.8	21.10	519.0	20.18	500.9	19.21	474.2	17.80
		106.5	578.2	22.51	552.9	21.59	530.8	20.62	519.0	19.70	500.9	18.77	474.2	17.37
		133.2	578.2	21.93	552.9	21.10	530.8	20.18	519.0	19.70	500.9	18.77	474.2	17.37
	113	159.9	578.2	21.63	552.9	20.86	530.8	19.96	519.0	19.70	500.9	18.77	474.2	17.37
		42.6	578.2	22.26	552.9	21.34	530.8	19.93	519.0	18.90	500.9	17.91	474.2	16.51
		53.4	578.2	22.02	552.9	21.10	530.8	19.70	519.0	18.77	500.9	17.80	474.2	16.40
		106.5	578.2	21.10	552.9	20.18	530.8	18.77	519.0	18.29	500.9	17.37	474.2	15.96
	113	133.2	578.2	20.81	552.9	19.70	530.8	18.77	519.0	17.80	500.9	16.88	474.2	15.48
		159.9	578.2	20.66	552.9	19.45	530.8	18.77	519.0	17.56	500.9	16.64	474.2	15.23
110	113	42.6	578.2	20.85	552.9	20.54	530.8	18.64	519.0	17.49	500.9	16.51	474.2	15.10
		53.4	578.2	20.62	552.9	20.18	530.8	18.29	519.0	17.37	500.9	16.40	474.2	14.99
		106.5	578.2	19.70	552.9	18.77	530.8	16.88	519.0	16.88	500.9	15.96	474.2	14.55
		133.2	578.2	19.70	552.9	18.29	530.8	17.37	519.0	15.96	500.9	14.99	474.2	13.58
	113	159.9	578.2	19.70	552.9	18.04	530.8	17.61	519.0	15.50	500.9	14.50	474.2	13.09

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM432BAS5

432,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	42.6	195.3	29.85	194.0	28.13	193.2	25.83	191.5	24.74	189.7	23.63	186.1	21.50
		53.4	202.1	30.37	200.7	28.67	199.8	26.39	198.0	25.27	196.2	24.16	192.6	21.98
		106.5	228.8	32.41	227.4	30.81	226.0	28.62	223.8	27.41	222.0	26.25	218.4	23.87
		133.2	252.7	34.49	250.9	32.94	249.6	30.85	247.3	29.59	245.5	28.28	241.0	25.71
		159.9	264.8	35.54	262.8	34.02	261.4	31.98	259.1	30.69	257.3	29.31	252.4	26.64
	32	42.6	349.2	40.85	341.5	39.63	334.4	37.83	328.5	36.23	322.7	34.69	311.5	31.48
		53.4	351.3	40.94	343.6	39.73	336.4	37.94	330.5	36.34	324.6	34.78	313.3	31.58
		106.5	359.4	41.33	351.7	40.12	344.0	38.37	338.2	36.77	332.3	35.17	320.5	31.97
		133.2	364.8	41.33	357.2	40.12	349.5	38.37	343.1	36.77	337.3	35.17	325.5	31.97
		159.9	367.6	41.33	359.9	40.12	352.2	38.37	345.6	36.77	339.8	35.17	328.0	31.97
	41	42.6	515.4	43.90	498.2	42.83	485.4	41.17	475.6	39.43	453.0	37.74	432.2	34.32
		53.4	517.2	44.10	499.1	43.03	485.5	41.38	475.6	39.63	453.0	37.94	432.2	34.49
		106.5	524.4	44.87	502.7	43.81	486.0	42.21	475.6	40.46	453.0	38.71	432.2	35.17
		133.2	527.6	45.16	504.1	44.10	486.0	42.50	475.6	40.75	453.0	38.96	432.2	35.41
		159.9	529.2	45.31	504.8	44.24	486.0	42.64	475.6	40.90	453.0	39.08	432.2	35.54
	50	42.6	518.2	39.26	499.8	38.40	486.0	37.20	475.6	35.95	453.0	34.16	432.2	31.25
		53.4	519.5	39.44	500.5	38.52	486.0	37.31	475.6	36.00	453.0	34.20	432.2	31.29
		106.5	524.4	40.17	503.2	39.00	486.0	37.74	475.6	36.19	453.0	34.35	432.2	31.44
		133.2	528.0	40.02	505.4	39.00	486.0	37.65	475.6	36.09	453.0	34.25	432.2	31.29
		159.9	529.9	39.95	506.6	39.00	486.0	37.60	475.6	36.04	453.0	34.20	432.2	31.22
	59	42.6	521.0	34.61	501.9	34.03	486.0	33.28	475.6	32.48	453.0	30.58	432.2	28.26
		53.4	521.7	34.78	502.3	34.06	486.0	33.28	475.6	32.36	453.0	30.47	432.2	28.14
		106.5	524.4	35.46	503.6	34.15	486.0	33.28	475.6	31.87	453.0	30.03	432.2	27.65
		133.2	528.9	34.88	506.3	33.86	486.0	32.84	475.6	31.44	453.0	29.54	432.2	27.22
		159.9	531.2	34.59	507.7	33.71	486.0	32.62	475.6	31.22	453.0	29.30	432.2	27.00
	68	42.6	523.8	29.60	504.6	28.84	486.0	28.14	475.6	27.76	453.0	25.93	432.2	24.65
		53.4	525.8	29.74	505.0	28.86	486.0	28.14	475.6	27.65	453.0	25.81	432.2	24.40
		106.5	533.5	30.27	506.3	28.96	486.0	28.14	475.6	27.22	453.0	25.32	432.2	23.43
		133.2	536.6	29.74	510.9	28.72	486.0	27.65	475.6	26.73	453.0	24.84	432.2	22.99
		159.9	538.2	29.47	513.1	28.60	486.0	27.41	475.6	26.49	453.0	24.59	432.2	22.77
	77	42.6	530.2	25.88	512.7	25.07	486.0	24.04	475.6	23.12	453.0	21.71	432.2	19.70
		53.4	532.1	25.91	512.7	24.94	486.0	23.92	475.6	22.99	453.0	21.59	432.2	19.70
		106.5	539.8	26.00	512.7	24.40	486.0	23.43	475.6	22.51	453.0	21.10	432.2	19.70
		133.2	542.5	25.42	512.7	24.21	486.0	22.99	475.6	22.02	453.0	21.10	432.2	19.21
		159.9	543.9	25.13	512.7	24.11	486.0	22.77	475.6	21.78	453.0	21.10	432.2	18.97
	86	42.6	542.5	23.54	512.7	21.71	486.0	20.23	475.6	19.82	453.0	18.29	432.2	17.49
		53.4	542.5	23.43	512.7	21.59	486.0	20.18	475.6	19.70	453.0	18.29	432.2	17.37
		106.5	542.5	22.99	512.7	21.10	486.0	19.99	475.6	19.21	453.0	18.29	432.2	16.88
		133.2	542.5	22.51	512.7	21.10	486.0	19.70	475.6	19.21	453.0	17.80	432.2	16.88
		159.9	542.5	22.27	512.7	21.10	486.0	19.55	475.6	19.21	453.0	17.56	432.2	16.88
	95	42.6	542.5	21.83	512.7	19.93	486.0	17.85	475.6	17.49	453.0	16.51	432.2	15.10
		53.4	542.5	21.59	512.7	19.70	486.0	17.80	475.6	17.37	453.0	16.40	432.2	14.99
		106.5	542.5	20.62	512.7	18.77	486.0	17.61	475.6	16.88	453.0	15.96	432.2	14.55
		133.2	542.5	20.62	512.7	18.77	486.0	17.37	475.6	16.88	453.0	15.96	432.2	14.55
		159.9	542.5	20.62	512.7	18.77	486.0	17.25	475.6	16.88	453.0	15.96	432.2	14.55
	104	42.6	542.5	20.43	512.7	18.52	486.0	16.01	475.6	15.60	453.0	14.68	432.2	13.69
		53.4	542.5	20.18	512.7	18.29	486.0	15.96	475.6	15.48	453.0	14.55	432.2	13.58
		106.5	542.5	19.21	512.7	17.37	486.0	15.77	475.6	14.99	453.0	14.07	432.2	13.15
		133.2	542.5	18.77	512.7	17.37	486.0	15.48	475.6	14.99	453.0	14.07	432.2	13.15
		159.9	542.5	18.55	512.7	17.37	486.0	15.33	475.6	14.99	453.0	14.07	432.2	13.15
	113	42.6	542.5	19.02	512.7	17.12	486.0	14.12	475.6	13.69	453.0	12.78	432.2	12.29
		53.4	542.5	18.77	512.7	16.88	486.0	14.07	475.6	13.58	453.0	12.66	432.2	12.18
		106.5	542.5	17.80	512.7	15.96	486.0	13.87	475.6	13.15	453.0	12.18	432.2	11.74
		133.2	542.5	16.88	512.7	15.96	486.0	13.58	475.6	13.15	453.0	12.18	432.2	11.74
		159.9	542.5	16.42	512.7	15.96	486.0	13.44	475.6	13.15	453.0	12.18	432.2	11.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	42.6	184.4	27.71	178.7	25.23	173.5	22.16	172.2	21.12	170.8	20.36	167.9	18.27
		53.4	190.8	28.19	184.9	25.71	179.5	22.66	178.1	21.59	176.8	20.81	173.6	18.68
		106.5	216.1	30.08	209.3	27.60	203.0	24.60	201.6	23.43	200.3	22.61	196.2	20.28
		133.2	238.7	31.97	231.0	29.54	224.2	26.54	222.4	25.27	221.1	24.35	217.0	21.88
		159.9	250.1	32.92	242.0	30.52	234.9	27.51	232.9	26.20	231.6	25.23	227.5	22.69
	32	42.6	329.9	37.74	314.6	35.41	300.2	32.51	295.8	31.01	290.8	29.85	279.9	26.80
		53.4	331.8	37.84	316.5	35.51	302.0	32.60	297.5	31.10	292.5	29.93	281.7	26.88
		106.5	339.5	38.23	323.7	35.90	309.2	32.94	304.3	31.44	299.3	30.27	288.4	27.17
		133.2	344.5	38.23	328.7	35.90	314.2	32.94	308.8	31.44	304.3	30.27	293.0	27.17
		159.9	347.0	38.23	331.2	35.90	316.7	32.94	311.1	31.44	306.8	30.27	295.2	27.17
	41	42.6	466.1	40.52	451.1	38.24	436.7	35.39	427.7	33.74	408.7	32.48	389.3	29.15
		53.4	466.6	40.70	450.7	38.42	436.7	35.56	427.7	33.91	408.7	32.65	389.3	29.30
		106.5	468.4	41.43	449.4	39.15	436.7	36.24	427.7	34.59	408.7	33.33	389.3	29.88
		133.2	471.1	41.67	450.7	39.39	436.7	36.53	427.7	34.83	408.7	33.57	389.3	30.13
		159.9	472.4	41.79	451.4	39.51	436.7	36.68	427.7	34.95	408.7	33.69	389.3	30.25
	50	42.6	468.6	35.78	452.7	34.02	436.7	32.03	427.7	30.72	408.7	29.47	389.3	26.56
		53.4	468.4	35.80	452.1	34.06	436.7	32.07	427.7	30.76	408.7	29.45	389.3	26.58
		106.5	467.5	35.90	449.8	34.20	436.7	32.21	427.7	30.90	408.7	29.35	389.3	26.68
		133.2	470.6	35.80	451.2	34.10	436.7	32.11	427.7	30.81	408.7	29.45	389.3	26.78
		159.9	472.2	35.75	451.9	34.06	436.7	32.07	427.7	30.76	408.7	29.50	389.3	26.83
	59	42.6	471.0	30.98	454.2	29.86	436.7	28.74	427.7	27.76	408.7	26.48	389.3	24.04
		53.4	470.2	30.85	453.4	29.74	436.7	28.62	427.7	27.65	408.7	26.25	389.3	23.92
		106.5	467.0	30.37	450.3	29.25	436.7	28.14	427.7	27.22	408.7	25.32	389.3	23.43
		133.2	470.2	29.93	451.6	28.82	436.7	27.65	427.7	26.73	408.7	25.32	389.3	23.43
		159.9	471.8	29.71	452.3	28.60	436.7	27.41	427.7	26.49	408.7	25.32	389.3	23.43
	68	42.6	473.8	26.15	456.2	25.40	436.7	24.52	427.7	23.54	408.7	22.74	389.3	21.34
		53.4	473.3	26.15	455.3	25.32	436.7	24.40	427.7	23.43	408.7	22.51	389.3	21.10
		106.5	471.5	26.15	451.6	25.03	436.7	23.92	427.7	22.99	408.7	21.59	389.3	20.18
		133.2	472.9	25.71	453.0	24.84	436.7	23.92	427.7	22.99	408.7	21.59	389.3	20.18
		159.9	473.6	25.49	453.7	24.74	436.7	23.92	427.7	22.99	408.7	21.59	389.3	20.18
	77	42.6	481.7	22.85	462.0	21.64	436.7	20.73	427.7	19.70	408.7	18.90	389.3	17.49
		53.4	482.8	22.80	462.0	21.59	436.7	20.62	427.7	19.70	408.7	18.77	389.3	17.37
		106.5	487.4	22.61	462.0	21.39	436.7	20.18	427.7	19.70	408.7	18.29	389.3	16.88
		133.2	489.2	22.02	462.0	20.91	436.7	20.18	427.7	19.21	408.7	18.29	389.3	16.88
		159.9	490.1	21.73	462.0	20.66	436.7	20.18	427.7	18.97	408.7	18.29	389.3	16.88
	86	42.6	489.2	20.73	462.0	19.32	436.7	17.91	427.7	17.49	408.7	16.51	389.3	14.99
		53.4	489.2	20.62	462.0	19.21	436.7	17.80	427.7	17.37	408.7	16.40	389.3	14.99
		106.5	489.2	20.18	462.0	18.77	436.7	17.37	427.7	16.88	408.7	15.96	389.3	14.99
		133.2	489.2	19.70	462.0	18.29	436.7	17.37	427.7	16.88	408.7	15.96	389.3	14.55
		159.9	489.2	19.45	462.0	18.04	436.7	17.37	427.7	16.88	408.7	15.96	389.3	14.33
	95	42.6	489.2	18.90	462.0	17.49	436.7	16.08	427.7	15.60	408.7	14.68	389.3	13.69
		53.4	489.2	18.77	462.0	17.37	436.7	15.96	427.7	15.48	408.7	14.55	389.3	13.58
		106.5	489.2	18.29	462.0	16.88	436.7	15.48	427.7	14.99	408.7	14.07	389.3	13.15
		133.2	489.2	17.80	462.0	16.40	436.7	14.99	427.7	14.55	408.7	14.07	389.3	13.15
		159.9	489.2	17.56	462.0	16.15	436.7	14.75	427.7	14.33	408.7	14.07	389.3	13.15
	104	42.6	489.2	17.61	462.0	16.08	436.7	14.19	427.7	13.69	408.7	13.27	389.3	12.29
		53.4	489.2	17.37	462.0	15.96	436.7	14.07	427.7	13.58	408.7	13.15	389.3	12.18
		106.5	489.2	16.40	462.0	15.48	436.7	13.58	427.7	13.15	408.7	12.66	389.3	11.74
		133.2	489.2	16.40	462.0	15.48	436.7	13.58	427.7	13.15	408.7	12.66	389.3	11.74
		159.9	489.2	16.40	462.0	15.48	436.7	13.58	427.7	13.15	408.7	12.66	389.3	11.74
	113	42.6	489.2	16.32	462.0	14.68	436.7	12.29	427.7	11.86	408.7	11.86	389.3	10.88
		53.4	489.2	15.96	462.0	14.55	436.7	12.18	427.7	11.74	408.7	11.74	389.3	10.77
		106.5	489.2	14.55	462.0	14.07	436.7	11.74	427.7	11.25	408.7	11.25	389.3	10.33
		133.2	489.2	14.99	462.0	14.55	436.7	12.18	427.7	11.74	408.7	11.25	389.3	10.33
		159.9	489.2	15.21	462.0	14.80	436.7	12.40	427.7	11.98	408.7	11.25	389.3	10.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM432BAS5



432,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	42.6	174.4	19.74	163.5	18.99	154.8	18.19	153.0	17.57	152.1	16.76	149.0	15.44
		53.4	180.4	20.18	169.1	19.40	160.0	18.58	158.2	17.95	157.3	17.12	154.2	15.77
		106.5	203.9	21.93	191.2	21.05	180.8	20.13	179.0	19.45	178.1	18.58	174.5	17.08
		133.2	225.6	23.63	211.1	22.70	199.8	21.73	197.6	21.01	196.7	20.04	192.6	18.43
		159.9	236.5	24.48	221.2	23.53	209.4	22.54	206.9	21.79	206.0	20.77	201.7	19.12
	32	42.6	311.4	28.97	287.2	27.81	267.4	26.66	262.4	25.73	258.8	24.52	249.0	22.59
		53.4	313.3	29.06	288.9	27.89	269.0	26.73	264.0	25.81	260.4	24.60	250.5	22.66
		106.5	321.0	29.40	295.7	28.23	275.3	27.02	270.4	26.10	266.7	24.89	256.3	22.90
		133.2	325.5	29.40	300.2	28.23	279.8	27.02	274.4	26.10	270.8	24.89	260.4	22.90
		159.9	327.8	29.40	302.5	28.23	282.1	27.02	276.5	26.10	272.9	24.89	262.5	22.90
	41	42.6	430.8	31.51	406.5	30.32	388.7	28.95	380.2	27.99	363.9	26.69	345.9	24.56
		53.4	431.7	31.68	407.3	30.47	388.8	29.11	380.2	28.14	363.9	26.83	345.9	24.69
		106.5	435.4	32.36	410.5	31.05	389.3	29.74	380.2	28.72	363.9	27.36	345.9	25.23
		133.2	435.4	32.55	410.0	31.29	389.3	29.93	380.2	28.91	363.9	27.55	345.9	25.37
		159.9	435.4	32.65	409.8	31.41	389.3	30.03	380.2	29.01	363.9	27.65	345.9	25.45
	50	42.6	433.1	29.00	408.2	27.69	388.7	26.28	380.2	25.55	363.9	24.20	345.9	22.40
		53.4	433.6	28.96	408.7	27.65	388.8	26.29	380.2	25.57	363.9	24.21	345.9	22.41
		106.5	435.4	28.82	410.5	27.51	389.3	26.34	380.2	25.61	363.9	24.26	345.9	22.46
		133.2	435.4	28.72	410.0	27.60	389.3	26.44	380.2	25.47	363.9	24.11	345.9	22.32
		159.9	435.4	28.67	409.8	27.65	389.3	26.49	380.2	25.40	363.9	24.04	345.9	22.24
	59	42.6	435.4	26.48	410.0	25.07	389.3	23.54	380.2	23.12	363.9	21.71	345.9	20.30
		53.4	435.4	26.25	410.0	24.84	389.3	23.43	380.2	22.99	363.9	21.59	345.9	20.18
		106.5	435.4	25.32	410.0	23.92	389.3	22.99	380.2	22.51	363.9	21.10	345.9	19.70
		133.2	435.4	24.84	410.0	23.92	389.3	22.99	380.2	22.02	363.9	20.62	345.9	19.21
		159.9	435.4	24.59	410.0	23.92	389.3	22.99	380.2	21.78	363.9	20.37	345.9	18.97
	68	42.6	435.4	22.13	410.0	21.23	389.3	20.18	380.2	19.82	363.9	18.90	345.9	17.49
		53.4	435.4	22.02	410.0	21.10	389.3	20.18	380.2	19.70	363.9	18.77	345.9	17.37
		106.5	435.4	21.59	410.0	20.62	389.3	20.18	380.2	19.21	363.9	18.29	345.9	16.88
		133.2	435.4	21.10	410.0	20.18	389.3	19.70	380.2	19.21	363.9	17.80	345.9	16.88
		159.9	435.4	20.86	410.0	19.96	389.3	19.45	380.2	19.21	363.9	17.56	345.9	16.88
	77	42.6	435.4	19.82	410.0	18.41	389.3	17.37	380.2	17.00	363.9	16.08	345.9	15.10
		53.4	435.4	19.70	410.0	18.29	389.3	17.37	380.2	16.88	363.9	15.96	345.9	14.99
		106.5	435.4	19.21	410.0	17.80	389.3	17.37	380.2	16.40	363.9	15.48	345.9	14.55
		133.2	435.4	18.77	410.0	17.80	389.3	16.88	380.2	16.40	363.9	15.48	345.9	14.55
		159.9	435.4	18.55	410.0	17.80	389.3	16.64	380.2	16.40	363.9	15.48	345.9	14.55
	86	42.6	435.4	17.49	410.0	16.51	389.3	15.60	380.2	15.10	363.9	14.19	345.9	13.27
		53.4	435.4	17.37	410.0	16.40	389.3	15.48	380.2	14.99	363.9	14.07	345.9	13.15
		106.5	435.4	16.88	410.0	15.96	389.3	14.99	380.2	14.55	363.9	13.58	345.9	12.66
		133.2	435.4	16.88	410.0	15.96	389.3	14.99	380.2	14.55	363.9	13.58	345.9	12.66
		159.9	435.4	16.88	410.0	15.96	389.3	14.99	380.2	14.55	363.9	13.58	345.9	12.66
	95	42.6	435.4	16.08	410.0	15.10	389.3	13.69	380.2	13.15	363.9	12.78	345.9	11.74
		53.4	435.4	15.96	410.0	14.99	389.3	13.58	380.2	13.15	363.9	12.66	345.9	11.74
		106.5	435.4	15.48	410.0	14.55	389.3	13.15	380.2	13.15	363.9	12.18	345.9	11.74
		133.2	435.4	15.48	410.0	14.07	389.3	13.15	380.2	12.66	363.9	12.18	345.9	11.25
		159.9	435.4	15.48	410.0	13.82	389.3	13.15	380.2	12.42	363.9	12.18	345.9	11.01
	104	42.6	435.4	15.22	410.0	13.69	389.3	12.18	380.2	12.29	363.9	11.25	345.9	10.88
		53.4	435.4	14.99	410.0	13.58	389.3	12.18	380.2	12.18	363.9	11.25	345.9	10.77
		106.5	435.4	14.07	410.0	13.15	389.3	12.18	380.2	11.74	363.9	11.25	345.9	10.33
		133.2	435.4	14.07	410.0	13.15	389.3	11.74	380.2	11.74	363.9	11.25	345.9	10.33
		159.9	435.4	14.07	410.0	13.15	389.3	11.52	380.2	11.74	363.9	11.25	345.9	10.33
	113	42.6	435.4	14.42	410.0	12.29	389.3	10.65	380.2	11.49	363.9	9.73	345.9	10.08
		53.4	435.4	14.07	410.0	12.18	389.3	10.77	380.2	11.25	363.9	9.85	345.9	9.85
		106.5	435.4	12.66	410.0	11.74	389.3	11.25	380.2	10.33	363.9	10.33	345.9	8.93
		133.2	435.4	12.66	410.0	12.18	389.3	10.33	380.2	10.77	363.9	10.33	345.9	9.36
		159.9	435.4	12.66	410.0	12.40	389.3	9.87	380.2	10.99	363.9	10.33	345.9	9.58

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	42.6	152.1	16.95	142.9	16.14	135.1	15.62	133.8	14.72	132.9	14.20	130.7	12.91
		53.4	157.3	17.32	147.8	16.49	139.7	15.96	138.3	15.04	137.4	14.51	135.2	13.20
		106.5	178.1	18.77	167.3	17.90	157.8	17.32	156.4	16.30	155.5	15.72	152.8	14.31
		133.2	197.1	20.28	184.9	19.31	174.5	18.68	173.2	17.56	171.8	16.98	168.6	15.43
		159.9	206.7	21.04	193.8	20.02	182.9	19.36	181.6	18.20	180.0	17.61	176.6	15.99
	32	42.6	272.4	24.81	251.7	23.66	233.7	22.87	229.6	21.53	226.0	20.80	218.0	18.92
		53.4	274.0	24.89	253.2	23.72	235.1	22.95	231.0	21.59	227.4	20.86	219.3	18.97
		106.5	280.3	25.18	259.0	23.96	240.5	23.24	236.4	21.83	232.8	21.10	224.2	19.16
		133.2	284.4	25.18	263.1	23.96	244.1	23.24	240.1	21.83	236.4	21.10	227.9	19.16
		159.9	286.4	25.18	265.2	23.96	246.0	23.24	241.9	21.83	238.3	21.10	229.7	19.16
	41	42.6	376.2	27.03	356.5	25.72	339.4	24.90	332.3	23.47	317.4	22.63	302.5	20.56
		53.4	377.0	27.17	357.2	25.86	339.5	25.03	332.3	23.58	317.4	22.75	302.5	20.67
		106.5	380.2	27.70	359.9	26.39	340.0	25.57	332.3	24.01	317.4	23.24	302.5	21.10
		133.2	380.2	27.89	359.4	26.58	340.0	25.76	332.3	24.21	317.4	23.38	302.5	21.25
		159.9	380.2	27.99	359.2	26.68	340.0	25.86	332.3	24.31	317.4	23.46	302.5	21.32
	50	42.6	377.9	24.89	357.7	23.53	340.0	22.66	332.3	21.39	317.4	20.52	302.5	18.77
		53.4	378.4	24.84	358.1	23.48	340.0	22.61	332.3	21.39	317.4	20.52	302.5	18.77
		106.5	380.2	24.64	359.4	23.29	340.0	22.41	332.3	21.39	317.4	20.52	302.5	18.77
		133.2	380.2	24.74	359.4	23.38	340.0	22.51	332.3	21.49	317.4	20.38	302.5	18.82
		159.9	380.2	24.79	359.4	23.43	340.0	22.56	332.3	21.54	317.4	20.30	302.5	18.85
	59	42.6	380.2	22.74	359.4	21.34	340.0	20.43	332.3	19.32	317.4	18.41	302.5	17.00
		53.4	380.2	22.51	359.4	21.10	340.0	20.18	332.3	19.21	317.4	18.29	302.5	16.88
		106.5	380.2	21.59	359.4	20.18	340.0	19.21	332.3	18.77	317.4	17.80	302.5	16.40
		133.2	380.2	21.59	359.4	20.18	340.0	19.21	332.3	18.77	317.4	17.37	302.5	16.40
		159.9	380.2	21.59	359.4	20.18	340.0	19.21	332.3	18.77	317.4	17.15	302.5	16.40
	68	42.6	380.2	18.90	359.4	17.91	340.0	17.49	332.3	17.00	317.4	16.08	302.5	15.10
		53.4	380.2	18.77	359.4	17.80	340.0	17.37	332.3	16.88	317.4	15.96	302.5	14.99
		106.5	380.2	18.29	359.4	17.37	340.0	16.88	332.3	16.40	317.4	15.48	302.5	14.55
		133.2	380.2	18.29	359.4	17.37	340.0	16.88	332.3	15.96	317.4	15.48	302.5	14.07
		159.9	380.2	18.29	359.4	17.37	340.0	16.88	332.3	15.74	317.4	15.48	302.5	13.82
	77	42.6	380.2	17.00	359.4	16.08	340.0	15.10	332.3	14.68	317.4	13.58	302.5	12.66
		53.4	380.2	16.88	359.4	15.96	340.0	14.99	332.3	14.55	317.4	13.58	302.5	12.66
		106.5	380.2	16.40	359.4	15.48	340.0	14.55	332.3	14.07	317.4	13.58	302.5	12.66
		133.2	380.2	15.96	359.4	14.99	340.0	14.55	332.3	14.07	317.4	13.15	302.5	12.66
		159.9	380.2	15.74	359.4	14.75	340.0	14.55	332.3	14.07	317.4	12.93	302.5	12.66
	86	42.6	380.2	15.10	359.4	14.19	340.0	13.27	332.3	12.66	317.4	12.29	302.5	11.25
		53.4	380.2	14.99	359.4	14.07	340.0	13.15	332.3	12.66	317.4	12.18	302.5	11.25
		106.5	380.2	14.55	359.4	13.58	340.0	12.66	332.3	12.66	317.4	11.74	302.5	11.25
		133.2	380.2	14.55	359.4	13.58	340.0	12.66	332.3	12.18	317.4	11.74	302.5	11.25
		159.9	380.2	14.55	359.4	13.58	340.0	12.66	332.3	11.93	317.4	11.74	302.5	11.25
	95	42.6	380.2	13.69	359.4	12.78	340.0	11.74	332.3	11.86	317.4	10.77	302.5	10.46
		53.4	380.2	13.58	359.4	12.66	340.0	11.74	332.3	11.74	317.4	10.77	302.5	10.33
		106.5	380.2	13.15	359.4	12.18	340.0	11.74	332.3	11.25	317.4	10.77	302.5	9.85
		133.2	380.2	13.15	359.4	12.18	340.0	11.25	332.3	11.25	317.4	10.77	302.5	9.85
		159.9	380.2	13.15	359.4	12.18	340.0	11.01	332.3	11.25	317.4	10.77	302.5	9.85
	104	42.6	380.2	12.78	359.4	11.86	340.0	10.88	332.3	10.33	317.4	9.85	302.5	9.47
		53.4	380.2	12.66	359.4	11.74	340.0	10.77	332.3	10.33	317.4	9.85	302.5	9.36
		106.5	380.2	12.18	359.4	11.25	340.0	10.33	332.3	10.33	317.4	9.85	302.5	8.93
		133.2	380.2	12.18	359.4	11.25	340.0	10.33	332.3	9.85	317.4	9.36	302.5	8.93
		159.9	380.2	12.18	359.4	11.25	340.0	10.33	332.3	9.60	317.4	9.12	302.5	8.93
	113	42.6	380.2	11.86	359.4	10.88	340.0	10.08	332.3	8.82	317.4	8.93	302.5	8.56
		53.4	380.2	11.74	359.4	10.77	340.0	9.85	332.3	8.93	317.4	8.93	302.5	8.44
		106.5	380.2	11.25	359.4	10.33	340.0	8.93	332.3	9.36	317.4	8.93	302.5	7.96
		133.2	380.2	11.25	359.4	10.33	340.0	9.36	332.3	8.44	317.4	7.96	302.5	7.96
		159.9	380.2	11.25	359.4	10.33	340.0	9.58	332.3	7.98	317.4	7.47	302.5	7.96

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM432BAS5

432,000 Btu/h, 208/230V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	42.6	130.6	13.76	122.4	13.24	115.8	12.72	114.5	11.82	114.0	11.63	111.9	10.39
		53.4	135.2	14.07	126.6	13.53	119.8	13.00	118.4	12.08	118.0	11.89	115.7	10.62
		106.5	153.3	15.28	143.3	14.70	135.6	14.12	134.3	13.10	133.8	12.90	131.1	11.55
		133.2	169.1	16.45	158.2	15.86	150.1	15.23	148.3	14.17	147.8	13.92	144.7	12.42
		159.9	177.1	17.03	165.8	16.45	157.4	15.80	155.3	14.70	154.9	14.44	151.5	12.86
	32	42.6	233.7	20.17	215.3	19.45	200.8	18.62	196.9	17.32	194.2	17.08	187.0	15.24
		53.4	235.1	20.23	216.6	19.50	202.1	18.68	198.0	17.37	195.3	17.12	188.1	15.28
		106.5	240.5	20.47	221.5	19.70	207.1	18.92	202.5	17.56	199.8	17.32	192.1	15.43
		133.2	244.1	20.47	225.1	19.70	210.2	18.92	205.7	17.56	203.0	17.32	195.3	15.43
		159.9	246.0	20.47	227.0	19.70	211.8	18.92	207.3	17.56	204.6	17.32	196.9	15.43
	41	42.6	323.0	21.96	304.6	21.14	292.1	20.26	284.8	18.87	272.6	18.58	259.5	16.55
		53.4	323.7	22.07	305.2	21.25	292.1	20.38	284.8	18.97	272.6	18.68	259.5	16.64
		106.5	326.4	22.51	307.4	21.68	292.1	20.81	284.8	19.36	272.6	19.07	259.5	16.98
		133.2	326.4	22.70	307.0	21.83	292.1	20.96	284.8	19.50	272.6	19.16	259.5	17.12
		159.9	326.4	22.80	306.7	21.90	292.1	21.03	284.8	19.58	272.6	19.21	259.5	17.20
	50	42.6	324.7	20.18	305.7	19.31	292.1	18.39	284.8	17.17	272.6	16.85	259.5	15.10
		53.4	325.1	20.18	306.1	19.31	292.1	18.39	284.8	17.22	272.6	16.83	259.5	15.14
		106.5	326.4	20.18	307.4	19.31	292.1	18.39	284.8	17.42	272.6	16.79	259.5	15.28
		133.2	326.4	20.23	307.0	19.11	292.1	18.19	284.8	17.22	272.6	16.64	259.5	15.14
		159.9	326.4	20.25	306.7	19.02	292.1	18.09	284.8	17.12	272.6	16.57	259.5	15.06
	59	42.6	326.4	18.41	307.0	17.49	292.1	16.51	284.8	15.48	272.6	15.10	259.5	13.58
		53.4	326.4	18.29	307.0	17.37	292.1	16.40	284.8	15.48	272.6	14.99	259.5	13.58
		106.5	326.4	17.80	307.0	16.88	292.1	15.96	284.8	15.48	272.6	14.55	259.5	13.58
		133.2	326.4	17.80	307.0	16.40	292.1	15.48	284.8	14.99	272.6	14.07	259.5	13.15
		159.9	326.4	17.80	307.0	16.15	292.1	15.23	284.8	14.75	272.6	13.82	259.5	12.93
	68	42.6	326.4	16.08	307.0	15.10	292.1	14.19	284.8	13.69	272.6	13.27	259.5	12.29
		53.4	326.4	15.96	307.0	14.99	292.1	14.07	284.8	13.58	272.6	13.15	259.5	12.18
		106.5	326.4	15.48	307.0	14.55	292.1	13.58	284.8	13.15	272.6	12.66	259.5	11.74
		133.2	326.4	15.48	307.0	14.55	292.1	13.58	284.8	13.15	272.6	12.66	259.5	11.74
		159.9	326.4	15.48	307.0	14.55	292.1	13.58	284.8	13.15	272.6	12.66	259.5	11.74
	77	42.6	326.4	14.19	307.0	13.27	292.1	12.18	284.8	12.29	272.6	11.25	259.5	10.88
		53.4	326.4	14.07	307.0	13.15	292.1	12.18	284.8	12.18	272.6	11.25	259.5	10.77
		106.5	326.4	13.58	307.0	12.66	292.1	12.18	284.8	11.74	272.6	11.25	259.5	10.33
		133.2	326.4	13.58	307.0	12.66	292.1	11.74	284.8	11.74	272.6	11.25	259.5	10.33
		159.9	326.4	13.58	307.0	12.66	292.1	11.52	284.8	11.74	272.6	11.25	259.5	10.33
	86	42.6	326.4	12.78	307.0	11.86	292.1	11.38	284.8	10.88	272.6	10.46	259.5	9.97
		53.4	326.4	12.66	307.0	11.74	292.1	11.25	284.8	10.77	272.6	10.33	259.5	9.85
		106.5	326.4	12.18	307.0	11.25	292.1	10.77	284.8	10.33	272.6	9.85	259.5	9.36
		133.2	326.4	12.18	307.0	11.25	292.1	10.77	284.8	10.33	272.6	9.85	259.5	9.36
		159.9	326.4	12.18	307.0	11.25	292.1	10.77	284.8	10.33	272.6	9.85	259.5	9.36
	95	42.6	326.4	11.25	307.0	10.88	292.1	9.85	284.8	9.97	272.6	9.47	259.5	9.05
		53.4	326.4	11.25	307.0	10.77	292.1	9.85	284.8	9.85	272.6	9.36	259.5	8.93
		106.5	326.4	11.25	307.0	10.33	292.1	9.85	284.8	9.36	272.6	8.93	259.5	8.44
		133.2	326.4	11.25	307.0	10.33	292.1	9.36	284.8	9.36	272.6	8.93	259.5	8.44
		159.9	326.4	11.25	307.0	10.33	292.1	9.12	284.8	9.36	272.6	8.93	259.5	8.44
	104	42.6	326.4	10.33	307.0	9.97	292.1	8.93	284.8	9.05	272.6	8.56	259.5	7.96
		53.4	326.4	10.33	307.0	9.85	292.1	8.93	284.8	8.93	272.6	8.44	259.5	7.96
		106.5	326.4	10.33	307.0	9.36	292.1	8.93	284.8	8.44	272.6	7.96	259.5	7.96
		133.2	326.4	10.33	307.0	9.36	292.1	8.93	284.8	8.44	272.6	7.96	259.5	7.96
		159.9	326.4	10.33	307.0	9.36	292.1	8.93	284.8	8.44	272.6	7.96	259.5	7.96
	113	42.6	326.4	9.36	307.0	9.05	292.1	7.96	284.8	8.07	272.6	7.64	259.5	6.91
		53.4	326.4	9.36	307.0	8.93	292.1	7.96	284.8	7.96	272.6	7.52	259.5	7.03
		106.5	326.4	9.36	307.0	8.44	292.1	7.96	284.8	7.52	272.6	7.03	259.5	7.52
		133.2	326.4	9.36	307.0	8.44	292.1	8.44	284.8	7.52	272.6	7.03	259.5	7.52
		159.9	326.4	9.36	307.0	8.44	292.1	8.69	284.8	7.52	272.6	7.03	259.5	7.52

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	42.6	108.9	10.97	102.4	10.39	96.6	9.83	95.2	9.30	94.8	8.73	93.1	8.27
		53.4	112.6	11.21	105.8	10.62	99.9	10.04	98.6	9.51	98.1	8.93	96.3	8.44
		106.5	127.0	12.13	119.4	11.55	113.0	10.87	111.7	10.33	111.2	9.70	109.0	9.12
		133.2	140.6	13.10	132.0	12.42	124.8	11.74	123.4	11.16	122.5	10.43	120.7	9.85
		159.9	147.4	13.59	138.4	12.86	130.7	12.18	129.3	11.57	128.2	10.80	126.6	10.21
	32	42.6	194.2	16.07	179.8	15.24	167.2	14.36	163.5	13.63	161.3	12.82	155.5	12.09
		53.4	195.3	16.11	180.8	15.28	168.2	14.41	164.6	13.68	162.3	12.86	156.4	12.13
		106.5	199.8	16.25	184.9	15.43	172.2	14.60	168.6	13.87	166.4	13.00	160.0	12.27
		133.2	203.0	16.25	187.6	15.43	174.5	14.60	171.3	13.87	168.6	13.00	162.8	12.27
		159.9	204.6	16.25	189.0	15.43	175.6	14.60	172.7	13.87	169.8	13.00	164.1	12.27
	41	42.6	268.4	17.48	254.5	16.55	242.7	15.63	236.9	14.87	226.5	13.96	216.1	13.12
		53.4	269.0	17.56	255.0	16.64	242.8	15.72	236.9	14.94	226.5	14.02	216.1	13.20
		106.5	271.3	17.90	256.8	16.98	243.2	16.06	236.9	15.23	226.5	14.26	216.1	13.49
		133.2	271.3	18.05	256.3	17.12	243.2	16.15	236.9	15.33	226.5	14.41	216.1	13.58
		159.9	271.3	18.12	256.1	17.20	243.2	16.20	236.9	15.38	226.5	14.48	216.1	13.63
	50	42.6	270.1	16.08	255.1	15.15	242.7	14.24	236.9	13.61	226.5	12.58	216.1	12.01
		53.4	270.4	16.06	255.4	15.14	242.8	14.21	236.9	13.58	226.5	12.61	216.1	11.98
		106.5	271.3	15.96	256.8	15.09	243.2	14.12	236.9	13.49	226.5	12.76	216.1	11.89
		133.2	271.3	16.06	256.3	15.14	243.2	14.17	236.9	13.53	226.5	12.56	216.1	11.93
		159.9	271.3	16.11	256.1	15.16	243.2	14.19	236.9	13.56	226.5	12.47	216.1	11.96
	59	42.6	271.3	14.68	256.3	13.69	243.2	12.78	236.9	12.29	226.5	11.25	216.1	10.88
		53.4	271.3	14.55	256.3	13.58	243.2	12.66	236.9	12.18	226.5	11.25	216.1	10.77
		106.5	271.3	14.07	256.3	13.15	243.2	12.18	236.9	11.74	226.5	11.25	216.1	10.33
		133.2	271.3	14.07	256.3	13.15	243.2	12.18	236.9	11.74	226.5	10.77	216.1	10.33
		159.9	271.3	14.07	256.3	13.15	243.2	12.18	236.9	11.74	226.5	10.53	216.1	10.33
	68	42.6	271.3	12.78	256.3	11.86	243.2	11.38	236.9	10.88	226.5	10.46	216.1	9.36
		53.4	271.3	12.66	256.3	11.74	243.2	11.25	236.9	10.77	226.5	10.33	216.1	9.36
		106.5	271.3	12.18	256.3	11.25	243.2	10.77	236.9	10.33	226.5	9.85	216.1	9.36
		133.2	271.3	12.18	256.3	11.25	243.2	10.77	236.9	10.33	226.5	9.85	216.1	9.36
		159.9	271.3	12.18	256.3	11.25	243.2	10.77	236.9	10.33	226.5	9.85	216.1	9.36
	77	42.6	271.3	11.38	256.3	10.33	243.2	9.97	236.9	9.36	226.5	8.93	216.1	8.44
		53.4	271.3	11.25	256.3	10.33	243.2	9.85	236.9	9.36	226.5	8.93	216.1	8.44
		106.5	271.3	10.77	256.3	10.33	243.2	9.36	236.9	9.36	226.5	8.93	216.1	8.44
		133.2	271.3	10.77	256.3	10.33	243.2	9.36	236.9	9.36	226.5	8.93	216.1	8.44
		159.9	271.3	10.77	256.3	10.33	243.2	9.36	236.9	9.36	226.5	8.93	216.1	8.44
	86	42.6	271.3	10.46	256.3	9.47	243.2	9.05	236.9	8.44	226.5	8.56	216.1	8.07
		53.4	271.3	10.33	256.3	9.36	243.2	8.93	236.9	8.44	226.5	8.44	216.1	7.96
		106.5	271.3	9.85	256.3	8.93	243.2	8.44	236.9	8.44	226.5	7.96	216.1	7.52
		133.2	271.3	9.85	256.3	8.93	243.2	8.44	236.9	8.44	226.5	7.96	216.1	7.52
		159.9	271.3	9.85	256.3	8.93	243.2	8.44	236.9	8.44	226.5	7.96	216.1	7.52
	95	42.6	271.3	9.47	256.3	8.44	243.2	7.96	236.9	8.07	226.5	7.52	216.1	7.03
		53.4	271.3	9.36	256.3	8.44	243.2	7.96	236.9	7.96	226.5	7.52	216.1	7.03
		106.5	271.3	8.93	256.3	8.44	243.2	7.96	236.9	7.52	226.5	7.52	216.1	7.03
		133.2	271.3	8.93	256.3	8.44	243.2	7.96	236.9	7.52	226.5	7.52	216.1	7.03
		159.9	271.3	8.93	256.3	8.44	243.2	7.96	236.9	7.52	226.5	7.52	216.1	7.03
	104	42.6	271.3	8.56	256.3	8.07	243.2	7.64	236.9	7.03	226.5	7.16	216.1	6.55
		53.4	271.3	8.44	256.3	7.96	243.2	7.52	236.9	7.03	226.5	7.03	216.1	6.55
		106.5	271.3	7.96	256.3	7.52	243.2	7.03	236.9	7.03	226.5	6.55	216.1	6.55
		133.2	271.3	7.96	256.3	7.52	243.2	7.03	236.9	7.03	226.5	6.55	216.1	6.55
		159.9	271.3	7.96	256.3	7.52	243.2	7.03	236.9	7.03	226.5	6.55	216.1	6.55
	113	42.6	271.3	7.64	256.3	7.76	243.2	7.27	236.9	6.00	226.5	6.78	216.1	6.11
		53.4	271.3	7.52	256.3	7.52	243.2	7.03	236.9	6.11	226.5	6.55	216.1	6.11
		106.5	271.3	7.03	256.3	6.55	243.2	6.11	236.9	6.55	226.5	5.63	216.1	6.11
		133.2	271.3	7.03	256.3	6.55	243.2	6.11	236.9	6.55	226.5	5.63	216.1	6.11
		159.9	271.3	7.03	256.3	6.55	243.2	6.11	236.9	6.55	226.5	5.63	216.1	6.11

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# 460V HEAT PUMP/ HEAT RECOVERY PERFORMANCE DATA

460V Heat Pump/Heat Recovery Cooling Capacity Data	203
460V Heat Pump/Heat Recovery Heating Capacity Data	314

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	50	8.1	66.9	1.01	72.5	1.18	78.9	1.38	85.7	1.55	88.4	1.58	91.8	1.63	94.4	1.66
		17.8	66.9	0.94	72.5	1.10	78.9	1.28	85.7	1.45	88.4	1.49	91.8	1.53	94.4	1.56
		20.3	66.9	0.92	72.5	1.08	78.9	1.26	85.7	1.42	88.4	1.47	91.8	1.50	94.4	1.53
		25.4	66.9	0.89	72.5	1.06	78.9	1.24	85.7	1.39	88.4	1.43	91.8	1.47	94.4	1.49
		30.5	66.9	0.88	72.5	1.06	78.9	1.23	85.7	1.38	88.4	1.42	91.8	1.46	94.4	1.47
	59	8.1	65.8	1.33	71.3	1.55	77.6	1.81	84.4	2.03	86.9	2.08	90.3	2.14	92.9	2.17
		17.8	65.8	1.23	71.3	1.45	77.6	1.69	84.4	1.90	86.9	1.95	90.3	2.00	92.9	2.04
		20.3	65.8	1.20	71.3	1.42	77.6	1.66	84.4	1.87	86.9	1.92	90.3	1.97	92.9	2.01
		25.4	65.8	1.17	71.3	1.40	77.6	1.63	84.4	1.83	86.9	1.88	90.3	1.93	92.9	1.96
		30.5	65.8	1.16	71.3	1.38	77.6	1.61	84.4	1.81	86.9	1.86	90.3	1.91	92.9	1.94
	67	8.1	64.9	1.62	70.3	1.88	76.5	2.19	83.2	2.46	85.7	2.52	89.0	2.58	91.5	2.63
		17.8	64.9	1.49	70.3	1.76	76.5	2.05	83.2	2.31	85.7	2.36	89.0	2.43	91.5	2.48
		20.3	64.9	1.46	70.3	1.73	76.5	2.02	83.2	2.27	85.7	2.32	89.0	2.39	91.5	2.44
		25.4	64.9	1.42	70.3	1.69	76.5	1.97	83.2	2.23	85.7	2.28	89.0	2.34	91.5	2.38
		30.5	64.9	1.40	70.3	1.67	76.5	1.95	83.2	2.20	85.7	2.26	89.0	2.31	91.5	2.35
	75	8.1	64.9	2.00	70.3	2.32	76.5	2.70	83.2	3.04	85.7	3.11	89.0	3.19	91.5	3.24
		17.8	64.9	1.84	70.3	2.17	76.5	2.53	83.2	2.85	85.7	2.92	89.0	3.00	91.5	3.05
		20.3	64.9	1.80	70.3	2.13	76.5	2.48	83.2	2.80	85.7	2.87	89.0	2.95	91.5	3.00
		25.4	64.9	1.75	70.3	2.09	76.5	2.44	83.2	2.74	85.7	2.81	89.0	2.89	91.5	2.93
		30.5	64.9	1.72	70.3	2.06	76.5	2.41	83.2	2.71	85.7	2.78	89.0	2.86	91.5	2.90
	86	8.1	64.9	2.40	70.3	2.78	76.5	3.24	83.2	3.65	85.7	3.74	89.0	3.83	91.5	3.89
		17.8	64.9	2.21	70.3	2.61	76.5	3.03	83.2	3.41	85.7	3.50	89.0	3.59	91.5	3.66
		20.3	64.9	2.16	70.3	2.56	76.5	2.98	83.2	3.35	85.7	3.44	89.0	3.53	91.5	3.60
		25.4	64.9	2.10	70.3	2.50	76.5	2.92	83.2	3.29	85.7	3.38	89.0	3.46	91.5	3.52
		30.5	64.9	2.07	70.3	2.48	76.5	2.89	83.2	3.26	85.7	3.34	89.0	3.43	91.5	3.48
	95	8.1	58.4	2.42	63.2	2.81	68.8	3.28	74.9	3.69	77.1	3.78	80.1	3.87	82.4	3.93
		17.8	58.4	2.23	63.2	2.64	68.8	3.07	74.9	3.46	77.1	3.54	80.1	3.63	82.4	3.70
		20.3	58.4	2.18	63.2	2.59	68.8	3.02	74.9	3.40	77.1	3.48	80.1	3.57	82.4	3.64
		25.4	58.4	2.12	63.2	2.53	68.8	2.95	74.9	3.33	77.1	3.41	80.1	3.50	82.4	3.56
		30.5	58.4	2.09	63.2	2.50	68.8	2.92	74.9	3.29	77.1	3.38	80.1	3.46	82.4	3.52
	104	8.1	51.9	2.56	56.2	2.97	61.2	3.46	66.5	3.89	68.5	3.98	71.2	4.08	73.2	4.15
		17.8	51.9	2.35	56.2	2.78	61.2	3.24	66.5	3.64	68.5	3.73	71.2	3.83	73.2	3.90
		20.3	51.9	2.30	56.2	2.73	61.2	3.18	66.5	3.58	68.5	3.67	71.2	3.77	73.2	3.84
		25.4	51.9	2.24	56.2	2.67	61.2	3.11	66.5	3.51	68.5	3.60	71.2	3.69	73.2	3.76
		30.5	51.9	2.20	56.2	2.64	61.2	3.08	66.5	3.47	68.5	3.57	71.2	3.65	73.2	3.71
	113	8.1	45.3	2.69	49.3	3.12	53.5	3.64	58.2	4.09	60.0	4.18	62.2	4.28	64.0	4.37
		17.8	45.3	2.48	49.3	2.93	53.5	3.41	58.2	3.83	60.0	3.93	62.2	4.03	64.0	4.11
		20.3	45.3	2.42	49.3	2.88	53.5	3.35	58.2	3.76	60.0	3.86	62.2	3.97	64.0	4.04
		25.4	45.3	2.35	49.3	2.81	53.5	3.27	58.2	3.69	60.0	3.79	62.2	3.89	64.0	3.96
		30.5	45.3	2.31	49.3	2.78	53.5	3.24	58.2	3.66	60.0	3.75	62.2	3.85	64.0	3.91
120	50	8.1	63.4	0.96	68.6	1.12	74.7	1.30	81.2	1.47	83.6	1.51	86.9	1.55	89.3	1.56
		17.8	63.4	0.89	68.6	1.05	74.7	1.22	81.2	1.37	83.6	1.41	86.9	1.45	89.3	1.47
		20.3	63.4	0.87	68.6	1.03	74.7	1.20	81.2	1.35	83.6	1.38	86.9	1.42	89.3	1.45
		25.4	63.4	0.84	68.6	1.00	74.7	1.18	81.2	1.32	83.6	1.36	86.9	1.39	89.3	1.42
		30.5	63.4	0.83	68.6	0.98	74.7	1.16	81.2	1.30	83.6	1.35	86.9	1.38	89.3	1.40
	59	8.1	62.6	1.28	67.8	1.49	73.9	1.73	80.3	1.94	82.7	1.99	85.9	2.04	88.3	2.07
		17.8	62.6	1.18	67.8	1.39	73.9	1.62	80.3	1.82	82.7	1.86	85.9	1.91	88.3	1.95
		20.3	62.6	1.15	67.8	1.37	73.9	1.59	80.3	1.79	82.7	1.83	85.9	1.88	88.3	1.92
		25.4	62.6	1.12	67.8	1.33	73.9	1.56	80.3	1.75	82.7	1.80	85.9	1.84	88.3	1.88
		30.5	62.6	1.10	67.8	1.32	73.9	1.54	80.3	1.73	82.7	1.78	85.9	1.82	88.3	1.85
	67	8.1	61.9	1.56	67.1	1.81	73.1	2.10	79.4	2.37	81.8	2.42	85.0	2.48	87.4	2.53
		17.8	61.9	1.43	67.1	1.69	73.1	1.97	79.4	2.22	81.8	2.28	85.0	2.34	87.4	2.38
		20.3	61.9	1.40	67.1	1.66	73.1	1.94	79.4	2.18	81.8	2.24	85.0	2.30	87.4	2.34
		25.4	61.9	1.37	67.1	1.63	73.1	1.90	79.4	2.14	81.8	2.19	85.0	2.25	87.4	2.28
		30.5	61.9	1.35	67.1	1.61	73.1	1.88	79.4	2.12	81.8	2.17	85.0	2.22	87.4	2.26

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM072DAS5

72,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	8.1	61.9	1.91	67.1	2.22	73.1	2.59	79.4	2.91	81.8	2.98	85.0	3.06	87.4	3.11
		17.8	61.9	1.77	67.1	2.08	73.1	2.42	79.4	2.73	81.8	2.80	85.0	2.87	87.4	2.93
		20.3	61.9	1.73	67.1	2.04	73.1	2.38	79.4	2.68	81.8	2.75	85.0	2.82	87.4	2.88
		25.4	61.9	1.68	67.1	2.00	73.1	2.33	79.4	2.63	81.8	2.69	85.0	2.76	87.4	2.81
		30.5	61.9	1.65	67.1	1.98	73.1	2.31	79.4	2.60	81.8	2.67	85.0	2.74	87.4	2.77
	86	8.1	61.9	2.31	67.1	2.69	73.1	3.13	79.4	3.52	81.8	3.60	85.0	3.70	87.4	3.76
		17.8	61.9	2.14	67.1	2.52	73.1	2.93	79.4	3.30	81.8	3.38	85.0	3.47	87.4	3.53
		20.3	61.9	2.09	67.1	2.47	73.1	2.88	79.4	3.24	81.8	3.32	85.0	3.41	87.4	3.47
		25.4	61.9	2.03	67.1	2.42	73.1	2.82	79.4	3.18	81.8	3.26	85.0	3.34	87.4	3.39
		30.5	61.9	2.00	67.1	2.39	73.1	2.79	79.4	3.14	81.8	3.22	85.0	3.31	87.4	3.35
	95	8.1	56.7	2.37	61.4	2.75	66.9	3.21	72.7	3.61	74.9	3.70	77.8	3.78	80.0	3.85
		17.8	56.7	2.18	61.4	2.58	66.9	3.00	72.7	3.38	74.9	3.46	77.8	3.55	80.0	3.62
		20.3	56.7	2.13	61.4	2.53	66.9	2.95	72.7	3.32	74.9	3.40	77.8	3.49	80.0	3.56
		25.4	56.7	2.07	61.4	2.48	66.9	2.89	72.7	3.26	74.9	3.34	77.8	3.42	80.0	3.48
		30.5	56.7	2.05	61.4	2.45	66.9	2.86	72.7	3.22	74.9	3.31	77.8	3.39	80.0	3.44
	104	8.1	51.4	2.55	55.7	2.96	60.7	3.45	66.0	3.88	67.9	3.98	70.6	4.07	72.5	4.15
		17.8	51.4	2.35	55.7	2.78	60.7	3.24	66.0	3.63	67.9	3.73	70.6	3.82	72.5	3.90
		20.3	51.4	2.30	55.7	2.73	60.7	3.18	66.0	3.57	67.9	3.66	70.6	3.76	72.5	3.83
		25.4	51.4	2.24	55.7	2.67	60.7	3.11	66.0	3.50	67.9	3.60	70.6	3.69	72.5	3.74
		30.5	51.4	2.20	55.7	2.64	60.7	3.08	66.0	3.47	67.9	3.56	70.6	3.65	72.5	3.70
	113	8.1	46.2	2.73	50.0	3.17	54.4	3.70	59.3	4.16	61.0	4.26	63.4	4.36	65.1	4.44
		17.8	46.2	2.52	50.0	2.97	54.4	3.46	59.3	3.90	61.0	3.99	63.4	4.09	65.1	4.18
		20.3	46.2	2.47	50.0	2.92	54.4	3.40	59.3	3.83	61.0	3.92	63.4	4.02	65.1	4.11
		25.4	46.2	2.40	50.0	2.85	54.4	3.33	59.3	3.75	61.0	3.85	63.4	3.95	65.1	4.00
		30.5	46.2	2.36	50.0	2.82	54.4	3.30	59.3	3.71	61.0	3.82	63.4	3.92	65.1	3.95
110	50	8.1	59.7	0.91	64.8	1.05	70.5	1.23	76.6	1.38	78.8	1.41	82.0	1.46	84.1	1.48
		17.8	59.7	0.84	64.8	0.99	70.5	1.15	76.6	1.29	78.8	1.33	82.0	1.36	84.1	1.38
		20.3	59.7	0.82	64.8	0.97	70.5	1.13	76.6	1.27	78.8	1.31	82.0	1.34	84.1	1.36
		25.4	59.7	0.80	64.8	0.95	70.5	1.10	76.6	1.25	78.8	1.27	82.0	1.32	84.1	1.33
		30.5	59.7	0.79	64.8	0.94	70.5	1.09	76.6	1.24	78.8	1.25	82.0	1.30	84.1	1.32
	59	8.1	59.4	1.22	64.3	1.42	70.0	1.65	76.1	1.86	78.4	1.90	81.5	1.95	83.7	1.98
		17.8	59.4	1.12	64.3	1.32	70.0	1.55	76.1	1.74	78.4	1.78	81.5	1.83	83.7	1.86
		20.3	59.4	1.10	64.3	1.30	70.0	1.52	76.1	1.71	78.4	1.75	81.5	1.80	83.7	1.83
		25.4	59.4	1.07	64.3	1.27	70.0	1.48	76.1	1.68	78.4	1.71	81.5	1.76	83.7	1.78
		30.5	59.4	1.06	64.3	1.26	70.0	1.47	76.1	1.66	78.4	1.70	81.5	1.75	83.7	1.76
	67	8.1	59.1	1.49	64.0	1.74	69.7	2.02	75.8	2.28	78.0	2.33	81.0	2.39	83.3	2.43
		17.8	59.1	1.37	64.0	1.63	69.7	1.89	75.8	2.14	78.0	2.18	81.0	2.24	83.3	2.28
		20.3	59.1	1.34	64.0	1.60	69.7	1.86	75.8	2.10	78.0	2.14	81.0	2.20	83.3	2.24
		25.4	59.1	1.31	64.0	1.56	69.7	1.82	75.8	2.05	78.0	2.11	81.0	2.16	83.3	2.19
		30.5	59.1	1.30	64.0	1.55	69.7	1.80	75.8	2.03	78.0	2.09	81.0	2.14	83.3	2.16
	75	8.1	59.1	1.83	64.0	2.12	69.7	2.47	75.8	2.79	78.0	2.85	81.0	2.92	83.3	2.98
		17.8	59.1	1.69	64.0	1.99	69.7	2.32	75.8	2.61	78.0	2.68	81.0	2.74	83.3	2.80
		20.3	59.1	1.65	64.0	1.96	69.7	2.28	75.8	2.56	78.0	2.63	81.0	2.69	83.3	2.75
		25.4	59.1	1.60	64.0	1.91	69.7	2.23	75.8	2.52	78.0	2.57	81.0	2.64	83.3	2.68
		30.5	59.1	1.58	64.0	1.89	69.7	2.21	75.8	2.49	78.0	2.55	81.0	2.62	83.3	2.64
	86	8.1	59.1	2.23	64.0	2.59	69.7	3.02	75.8	3.40	78.0	3.48	81.0	3.56	83.3	3.63
		17.8	59.1	2.06	64.0	2.42	69.7	2.82	75.8	3.18	78.0	3.26	81.0	3.34	83.3	3.40
		20.3	59.1	2.01	64.0	2.38	69.7	2.77	75.8	3.12	78.0	3.20	81.0	3.28	83.3	3.34
		25.4	59.1	1.96	64.0	2.33	69.7	2.72	75.8	3.06	78.0	3.14	81.0	3.22	83.3	3.26
		30.5	59.1	1.93	64.0	2.31	69.7	2.69	75.8	3.03	78.0	3.11	81.0	3.19	83.3	3.22
	95	8.1	55.0	2.32	59.6	2.69	64.9	3.14	70.6	3.53	72.7	3.62	75.5	3.70	77.6	3.77
		17.8	55.0	2.14	59.6	2.52	64.9	2.94	70.6	3.31	72.7	3.39	75.5	3.47	77.6	3.54
		20.3	55.0	2.09	59.6	2.48	64.9	2.89	70.6	3.25	72.7	3.33	75.5	3.41	77.6	3.48
		25.4	55.0	2.03	59.6	2.42	64.9	2.83	70.6	3.19	72.7	3.27	75.5	3.35	77.6	3.39
		30.5	55.0	2.00	59.6	2.40	64.9	2.80	70.6	3.16	72.7	3.24	75.5	3.32	77.6	3.35

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 72,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	8.1	51.0	2.54	55.3	2.96	60.1	3.45	65.4	3.88	67.3	3.97	70.0	4.07	71.9	4.15
		17.8	51.0	2.35	55.3	2.77	60.1	3.23	65.4	3.63	67.3	3.72	70.0	3.82	71.9	3.89
		20.3	51.0	2.30	55.3	2.72	60.1	3.17	65.4	3.57	67.3	3.66	70.0	3.75	71.9	3.82
		25.4	51.0	2.23	55.3	2.66	60.1	3.11	65.4	3.50	67.3	3.59	70.0	3.68	71.9	3.73
		30.5	51.0	2.20	55.3	2.63	60.1	3.07	65.4	3.46	67.3	3.56	70.0	3.65	71.9	3.68
	113	8.1	46.9	2.77	50.9	3.23	55.3	3.76	60.2	4.22	62.0	4.33	64.4	4.43	66.2	4.52
		17.8	46.9	2.56	50.9	3.02	55.3	3.52	60.2	3.96	62.0	4.05	64.4	4.16	66.2	4.24
		20.3	46.9	2.50	50.9	2.96	55.3	3.46	60.2	3.89	62.0	3.98	64.4	4.09	66.2	4.17
		25.4	46.9	2.43	50.9	2.90	55.3	3.39	60.2	3.81	62.0	3.91	64.4	4.02	66.2	4.06
		30.5	46.9	2.39	50.9	2.86	55.3	3.35	60.2	3.77	62.0	3.88	64.4	3.98	66.2	4.00
100	50	8.1	56.2	0.86	60.8	1.00	66.2	1.15	72.0	1.31	74.2	1.33	77.0	1.37	79.2	1.40
		17.8	56.2	0.80	60.8	0.94	66.2	1.08	72.0	1.23	74.2	1.25	77.0	1.28	79.2	1.31
		20.3	56.2	0.78	60.8	0.92	66.2	1.06	72.0	1.21	74.2	1.23	77.0	1.26	79.2	1.29
		25.4	56.2	0.75	60.8	0.89	66.2	1.04	72.0	1.18	74.2	1.20	77.0	1.24	79.2	1.25
		30.5	56.2	0.74	60.8	0.88	66.2	1.03	72.0	1.17	74.2	1.19	77.0	1.22	79.2	1.22
	59	8.1	56.2	1.16	60.8	1.35	66.2	1.57	72.0	1.77	74.2	1.81	77.0	1.86	79.2	1.89
		17.8	56.2	1.07	60.8	1.26	66.2	1.47	72.0	1.66	74.2	1.70	77.0	1.74	79.2	1.77
		20.3	56.2	1.05	60.8	1.24	66.2	1.45	72.0	1.63	74.2	1.67	77.0	1.71	79.2	1.74
		25.4	56.2	1.02	60.8	1.21	66.2	1.41	72.0	1.60	74.2	1.63	77.0	1.68	79.2	1.69
		30.5	56.2	1.00	60.8	1.20	66.2	1.40	72.0	1.58	74.2	1.62	77.0	1.66	79.2	1.67
	67	8.1	56.2	1.43	60.8	1.66	66.2	1.94	72.0	2.18	74.2	2.24	77.0	2.29	79.2	2.33
		17.8	56.2	1.32	60.8	1.56	66.2	1.81	72.0	2.04	74.2	2.09	77.0	2.15	79.2	2.18
		20.3	56.2	1.29	60.8	1.53	66.2	1.78	72.0	2.01	74.2	2.05	77.0	2.11	79.2	2.14
		25.4	56.2	1.25	60.8	1.50	66.2	1.75	72.0	1.97	74.2	2.02	77.0	2.07	79.2	2.09
		30.5	56.2	1.23	60.8	1.48	66.2	1.73	72.0	1.95	74.2	2.00	77.0	2.05	79.2	2.06
	75	8.1	56.2	1.74	60.8	2.03	66.2	2.36	72.0	2.66	74.2	2.73	77.0	2.79	79.2	2.84
		17.8	56.2	1.60	60.8	1.90	66.2	2.21	72.0	2.49	74.2	2.55	77.0	2.62	79.2	2.67
		20.3	56.2	1.57	60.8	1.87	66.2	2.17	72.0	2.45	74.2	2.50	77.0	2.57	79.2	2.62
		25.4	56.2	1.53	60.8	1.83	66.2	2.13	72.0	2.40	74.2	2.46	77.0	2.52	79.2	2.55
		30.5	56.2	1.51	60.8	1.81	66.2	2.11	72.0	2.37	74.2	2.43	77.0	2.50	79.2	2.51
	86	8.1	56.2	2.14	60.8	2.50	66.2	2.91	72.0	3.27	74.2	3.35	77.0	3.43	79.2	3.50
		17.8	56.2	1.98	60.8	2.34	66.2	2.72	72.0	3.06	74.2	3.14	77.0	3.22	79.2	3.28
		20.3	56.2	1.94	60.8	2.30	66.2	2.67	72.0	3.01	74.2	3.08	77.0	3.16	79.2	3.22
		25.4	56.2	1.88	60.8	2.25	66.2	2.62	72.0	2.95	74.2	3.03	77.0	3.10	79.2	3.13
		30.5	56.2	1.85	60.8	2.22	66.2	2.59	72.0	2.92	74.2	3.00	77.0	3.07	79.2	3.09
	95	8.1	53.4	2.26	57.8	2.63	62.9	3.06	68.4	3.45	70.4	3.53	73.2	3.62	75.2	3.69
		17.8	53.4	2.09	57.8	2.46	62.9	2.87	68.4	3.24	70.4	3.31	73.2	3.40	75.2	3.46
		20.3	53.4	2.04	57.8	2.42	62.9	2.82	68.4	3.18	70.4	3.25	73.2	3.34	75.2	3.40
		25.4	53.4	1.99	57.8	2.37	62.9	2.76	68.4	3.12	70.4	3.19	73.2	3.27	75.2	3.31
		30.5	53.4	1.96	57.8	2.34	62.9	2.73	68.4	3.09	70.4	3.16	73.2	3.24	75.2	3.26
	104	8.1	50.5	2.55	54.7	2.96	59.6	3.44	64.8	3.87	66.7	3.97	69.4	4.06	71.2	4.13
		17.8	50.5	2.34	54.7	2.77	59.6	3.23	64.8	3.62	66.7	3.72	69.4	3.81	71.2	3.88
		20.3	50.5	2.29	54.7	2.72	59.6	3.17	64.8	3.56	66.7	3.65	69.4	3.74	71.2	3.81
		25.4	50.5	2.23	54.7	2.66	59.6	3.10	64.8	3.49	66.7	3.58	69.4	3.67	71.2	3.71
		30.5	50.5	2.20	54.7	2.63	59.6	3.07	64.8	3.46	66.7	3.54	69.4	3.64	71.2	3.66
	113	8.1	47.7	2.83	51.7	3.28	56.3	3.82	61.2	4.29	63.1	4.40	65.5	4.51	67.3	4.58
		17.8	47.7	2.60	51.7	3.07	56.3	3.57	61.2	4.02	63.1	4.12	65.5	4.22	67.3	4.30
		20.3	47.7	2.54	51.7	3.02	56.3	3.51	61.2	3.95	63.1	4.05	65.5	4.14	67.3	4.23
		25.4	47.7	2.47	51.7	2.95	56.3	3.44	61.2	3.87	63.1	3.97	65.5	4.07	67.3	4.11
		30.5	47.7	2.44	51.7	2.92	56.3	3.41	61.2	3.83	63.1	3.93	65.5	4.03	67.3	4.06
90	50	8.1	50.5	0.73	54.7	0.85	59.6	0.99	64.8	1.12	66.7	1.14	69.4	1.17	71.2	1.20
		17.8	50.5	0.68	54.7	0.80	59.6	0.93	64.8	1.06	66.7	1.08	69.4	1.11	71.2	1.13
		20.3	50.5	0.67	54.7	0.79	59.6	0.92	64.8	1.04	66.7	1.06	69.4	1.09	71.2	1.11
		25.4	50.5	0.65	54.7	0.76	59.6	0.90	64.8	1.01	66.7	1.04	69.4	1.07	71.2	1.07
		30.5	50.5	0.64	54.7	0.75	59.6	0.89	64.8	0.99	66.7	1.03	69.4	1.06	71.2	1.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

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# COOLING CAPACITY DATA

ARWM072DAS5

72,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	8.1	50.5	1.00	54.7	1.16	59.6	1.35	64.8	1.52	66.7	1.56	69.4	1.59	71.2	1.63
		17.8	50.5	0.92	54.7	1.09	59.6	1.26	64.8	1.42	66.7	1.46	69.4	1.49	71.2	1.53
		20.3	50.5	0.90	54.7	1.07	59.6	1.24	64.8	1.40	66.7	1.44	69.4	1.47	71.2	1.50
		25.4	50.5	0.88	54.7	1.04	59.6	1.22	64.8	1.37	66.7	1.41	69.4	1.45	71.2	1.46
		30.5	50.5	0.86	54.7	1.03	59.6	1.21	64.8	1.35	66.7	1.39	69.4	1.43	71.2	1.44
	67	8.1	50.5	1.23	54.7	1.43	59.6	1.67	64.8	1.88	66.7	1.92	69.4	1.97	71.2	2.00
		17.8	50.5	1.13	54.7	1.34	59.6	1.56	64.8	1.76	66.7	1.80	69.4	1.84	71.2	1.88
		20.3	50.5	1.11	54.7	1.32	59.6	1.53	64.8	1.73	66.7	1.77	69.4	1.81	71.2	1.85
		25.4	50.5	1.08	54.7	1.29	59.6	1.51	64.8	1.69	66.7	1.74	69.4	1.78	71.2	1.80
		30.5	50.5	1.06	54.7	1.28	59.6	1.49	64.8	1.68	66.7	1.72	69.4	1.76	71.2	1.78
	75	8.1	50.5	1.50	54.7	1.75	59.6	2.03	64.8	2.29	66.7	2.34	69.4	2.40	71.2	2.45
		17.8	50.5	1.38	54.7	1.64	59.6	1.90	64.8	2.15	66.7	2.20	69.4	2.25	71.2	2.29
		20.3	50.5	1.35	54.7	1.61	59.6	1.87	64.8	2.11	66.7	2.16	69.4	2.21	71.2	2.25
		25.4	50.5	1.32	54.7	1.57	59.6	1.83	64.8	2.06	66.7	2.12	69.4	2.17	71.2	2.19
		30.5	50.5	1.30	54.7	1.55	59.6	1.81	64.8	2.04	66.7	2.10	69.4	2.15	71.2	2.16
	86	8.1	50.5	1.85	54.7	2.15	59.6	2.50	64.8	2.82	66.7	2.88	69.4	2.96	71.2	3.01
		17.8	50.5	1.71	54.7	2.01	59.6	2.34	64.8	2.64	66.7	2.71	69.4	2.77	71.2	2.82
		20.3	50.5	1.67	54.7	1.97	59.6	2.30	64.8	2.59	66.7	2.66	69.4	2.72	71.2	2.77
		25.4	50.5	1.62	54.7	1.94	59.6	2.25	64.8	2.54	66.7	2.60	69.4	2.67	71.2	2.70
		30.5	50.5	1.59	54.7	1.92	59.6	2.23	64.8	2.52	66.7	2.57	69.4	2.65	71.2	2.66
	95	8.1	49.2	2.00	53.2	2.32	58.0	2.70	63.0	3.04	64.9	3.11	67.4	3.18	69.3	3.24
		17.8	49.2	1.84	53.2	2.17	58.0	2.53	63.0	2.85	64.9	2.91	67.4	2.98	69.3	3.04
		20.3	49.2	1.80	53.2	2.13	58.0	2.48	63.0	2.80	64.9	2.86	67.4	2.93	69.3	2.99
		25.4	49.2	1.75	53.2	2.09	58.0	2.43	63.0	2.74	64.9	2.81	67.4	2.88	69.3	2.91
		30.5	49.2	1.72	53.2	2.06	58.0	2.40	63.0	2.71	64.9	2.79	67.4	2.85	69.3	2.87
	104	8.1	47.7	2.29	51.7	2.66	56.3	3.10	61.2	3.49	63.1	3.57	65.5	3.66	67.3	3.72
		17.8	47.7	2.11	51.7	2.49	56.3	2.90	61.2	3.27	63.1	3.35	65.5	3.43	67.3	3.49
		20.3	47.7	2.06	51.7	2.45	56.3	2.85	61.2	3.21	63.1	3.29	65.5	3.37	67.3	3.43
		25.4	47.7	2.01	51.7	2.40	56.3	2.80	61.2	3.15	63.1	3.23	65.5	3.31	67.3	3.34
		30.5	47.7	1.98	51.7	2.37	56.3	2.77	61.2	3.12	63.1	3.19	65.5	3.28	67.3	3.30
	113	8.1	46.3	2.59	50.2	3.01	54.7	3.49	59.4	3.95	61.3	4.04	63.5	4.14	65.4	4.20
		17.8	46.3	2.38	50.2	2.81	54.7	3.28	59.4	3.69	61.3	3.79	63.5	3.88	65.4	3.95
		20.3	46.3	2.33	50.2	2.76	54.7	3.23	59.4	3.62	61.3	3.72	63.5	3.81	65.4	3.88
		25.4	46.3	2.26	50.2	2.71	54.7	3.16	59.4	3.56	61.3	3.64	63.5	3.74	65.4	3.78
		30.5	46.3	2.23	50.2	2.68	54.7	3.13	59.4	3.53	61.3	3.60	63.5	3.71	65.4	3.73
80	50	8.1	44.9	0.63	48.7	0.71	53.0	0.83	57.6	0.95	59.3	0.96	61.6	0.99	63.4	1.00
		17.8	44.9	0.61	48.7	0.68	53.0	0.78	57.6	0.88	59.3	0.90	61.6	0.92	63.4	0.94
		20.3	44.9	0.60	48.7	0.67	53.0	0.77	57.6	0.86	59.3	0.89	61.6	0.90	63.4	0.92
		25.4	44.9	0.60	48.7	0.65	53.0	0.76	57.6	0.85	59.3	0.86	61.6	0.89	63.4	0.90
		30.5	44.9	0.60	48.7	0.64	53.0	0.75	57.6	0.84	59.3	0.85	61.6	0.88	63.4	0.89
	59	8.1	44.9	0.84	48.7	0.97	53.0	1.13	57.6	1.28	59.3	1.31	61.6	1.34	63.4	1.36
		17.8	44.9	0.77	48.7	0.91	53.0	1.06	57.6	1.19	59.3	1.22	61.6	1.25	63.4	1.27
		20.3	44.9	0.75	48.7	0.90	53.0	1.04	57.6	1.17	59.3	1.20	61.6	1.23	63.4	1.25
		25.4	44.9	0.74	48.7	0.88	53.0	1.02	57.6	1.15	59.3	1.18	61.6	1.21	63.4	1.22
		30.5	44.9	0.73	48.7	0.87	53.0	1.01	57.6	1.14	59.3	1.16	61.6	1.20	63.4	1.20
	67	8.1	44.9	1.03	48.7	1.20	53.0	1.40	57.6	1.57	59.3	1.61	61.6	1.65	63.4	1.68
		17.8	44.9	0.95	48.7	1.12	53.0	1.30	57.6	1.47	59.3	1.51	61.6	1.55	63.4	1.58
		20.3	44.9	0.93	48.7	1.10	53.0	1.28	57.6	1.45	59.3	1.48	61.6	1.52	63.4	1.55
		25.4	44.9	0.90	48.7	1.08	53.0	1.26	57.6	1.42	59.3	1.46	61.6	1.49	63.4	1.51
		30.5	44.9	0.89	48.7	1.07	53.0	1.24	57.6	1.41	59.3	1.44	61.6	1.48	63.4	1.48
	75	8.1	44.9	1.26	48.7	1.47	53.0	1.70	57.6	1.92	59.3	1.97	61.6	2.02	63.4	2.05
		17.8	44.9	1.16	48.7	1.37	53.0	1.60	57.6	1.80	59.3	1.84	61.6	1.88	63.4	1.92
		20.3	44.9	1.13	48.7	1.34	53.0	1.57	57.6	1.77	59.3	1.81	61.6	1.85	63.4	1.89
		25.4	44.9	1.10	48.7	1.32	53.0	1.54	57.6	1.73	59.3	1.77	61.6	1.82	63.4	1.84
		30.5	44.9	1.09	48.7	1.30	53.0	1.52	57.6	1.71	59.3	1.76	61.6	1.81	63.4	1.81

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 72,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	8.1	44.9	1.55	48.7	1.80	53.0	2.10	57.6	2.36	59.3	2.41	61.6	2.47	63.4	2.52
		17.8	44.9	1.43	48.7	1.69	53.0	1.96	57.6	2.21	59.3	2.27	61.6	2.32	63.4	2.36
		20.3	44.9	1.40	48.7	1.66	53.0	1.93	57.6	2.17	59.3	2.23	61.6	2.28	63.4	2.32
		25.4	44.9	1.36	48.7	1.62	53.0	1.89	57.6	2.13	59.3	2.18	61.6	2.24	63.4	2.26
		30.5	44.9	1.34	48.7	1.60	53.0	1.87	57.6	2.11	59.3	2.16	61.6	2.21	63.4	2.23
	95	8.1	44.9	1.72	48.7	2.00	53.0	2.33	57.6	2.62	59.3	2.69	61.6	2.75	63.4	2.80
		17.8	44.9	1.58	48.7	1.87	53.0	2.18	57.6	2.45	59.3	2.52	61.6	2.58	63.4	2.63
		20.3	44.9	1.55	48.7	1.84	53.0	2.14	57.6	2.41	59.3	2.47	61.6	2.53	63.4	2.58
		25.4	44.9	1.51	48.7	1.80	53.0	2.10	57.6	2.37	59.3	2.42	61.6	2.49	63.4	2.51
		30.5	44.9	1.49	48.7	1.78	53.0	2.08	57.6	2.34	59.3	2.40	61.6	2.47	63.4	2.48
	104	8.1	44.9	2.04	48.7	2.37	53.0	2.76	57.6	3.11	59.3	3.18	61.6	3.26	63.4	3.32
		17.8	44.9	1.88	48.7	2.22	53.0	2.59	57.6	2.91	59.3	2.97	61.6	3.05	63.4	3.11
		20.3	44.9	1.84	48.7	2.18	53.0	2.54	57.6	2.86	59.3	2.92	61.6	3.00	63.4	3.05
		25.4	44.9	1.78	48.7	2.13	53.0	2.48	57.6	2.80	59.3	2.87	61.6	2.95	63.4	2.97
		30.5	44.9	1.76	48.7	2.11	53.0	2.46	57.6	2.77	59.3	2.84	61.6	2.92	63.4	2.93
	113	8.1	44.9	2.36	48.7	2.74	53.0	3.19	57.6	3.60	59.3	3.67	61.6	3.77	63.4	3.83
		17.8	44.9	2.17	48.7	2.57	53.0	2.98	57.6	3.37	59.3	3.44	61.6	3.53	63.4	3.59
		20.3	44.9	2.12	48.7	2.52	53.0	2.93	57.6	3.31	59.3	3.38	61.6	3.47	63.4	3.53
		25.4	44.9	2.06	48.7	2.47	53.0	2.87	57.6	3.24	59.3	3.32	61.6	3.40	63.4	3.43
		30.5	44.9	2.03	48.7	2.44	53.0	2.83	57.6	3.20	59.3	3.29	61.6	3.37	63.4	3.39
70	50	8.1	39.3	0.60	42.6	0.60	46.4	0.69	50.4	0.77	51.9	0.80	53.9	0.83	55.4	0.83
		17.8	39.3	0.60	42.6	0.60	46.4	0.65	50.4	0.73	51.9	0.75	53.9	0.77	55.4	0.78
		20.3	39.3	0.60	42.6	0.60	46.4	0.64	50.4	0.72	51.9	0.74	53.9	0.76	55.4	0.77
		25.4	39.3	0.60	42.6	0.60	46.4	0.63	50.4	0.70	51.9	0.72	53.9	0.74	55.4	0.75
		30.5	39.3	0.60	42.6	0.60	46.4	0.62	50.4	0.69	51.9	0.71	53.9	0.73	55.4	0.74
	59	8.1	39.3	0.70	42.6	0.81	46.4	0.94	50.4	1.06	51.9	1.09	53.9	1.11	55.4	1.13
		17.8	39.3	0.64	42.6	0.75	46.4	0.88	50.4	1.00	51.9	1.02	53.9	1.05	55.4	1.06
		20.3	39.3	0.63	42.6	0.74	46.4	0.87	50.4	0.98	51.9	1.00	53.9	1.03	55.4	1.04
		25.4	39.3	0.61	42.6	0.73	46.4	0.85	50.4	0.96	51.9	0.98	53.9	1.01	55.4	1.02
		30.5	39.3	0.60	42.6	0.72	46.4	0.84	50.4	0.95	51.9	0.97	53.9	0.99	55.4	1.00
	67	8.1	39.3	0.86	42.6	1.00	46.4	1.16	50.4	1.31	51.9	1.34	53.9	1.37	55.4	1.40
		17.8	39.3	0.79	42.6	0.94	46.4	1.09	50.4	1.22	51.9	1.25	53.9	1.28	55.4	1.30
		20.3	39.3	0.77	42.6	0.92	46.4	1.07	50.4	1.20	51.9	1.23	53.9	1.26	55.4	1.28
		25.4	39.3	0.75	42.6	0.90	46.4	1.05	50.4	1.18	51.9	1.21	53.9	1.24	55.4	1.25
		30.5	39.3	0.74	42.6	0.89	46.4	1.04	50.4	1.17	51.9	1.20	53.9	1.23	55.4	1.24
	75	8.1	39.3	1.05	42.6	1.22	46.4	1.41	50.4	1.60	51.9	1.63	53.9	1.67	55.4	1.70
		17.8	39.3	0.97	42.6	1.14	46.4	1.33	50.4	1.50	51.9	1.53	53.9	1.57	55.4	1.60
		20.3	39.3	0.95	42.6	1.12	46.4	1.31	50.4	1.47	51.9	1.51	53.9	1.54	55.4	1.57
		25.4	39.3	0.92	42.6	1.10	46.4	1.28	50.4	1.44	51.9	1.47	53.9	1.51	55.4	1.53
		30.5	39.3	0.91	42.6	1.09	46.4	1.27	50.4	1.43	51.9	1.46	53.9	1.49	55.4	1.50
	86	8.1	39.3	1.29	42.6	1.50	46.4	1.74	50.4	1.96	51.9	2.01	53.9	2.06	55.4	2.10
		17.8	39.3	1.19	42.6	1.40	46.4	1.63	50.4	1.84	51.9	1.88	53.9	1.93	55.4	1.96
		20.3	39.3	1.16	42.6	1.38	46.4	1.60	50.4	1.81	51.9	1.85	53.9	1.90	55.4	1.93
		25.4	39.3	1.13	42.6	1.35	46.4	1.57	50.4	1.77	51.9	1.82	53.9	1.86	55.4	1.88
		30.5	39.3	1.11	42.6	1.34	46.4	1.55	50.4	1.75	51.9	1.80	53.9	1.84	55.4	1.86
	95	8.1	39.3	1.43	42.6	1.66	46.4	1.94	50.4	2.18	51.9	2.24	53.9	2.29	55.4	2.33
		17.8	39.3	1.32	42.6	1.56	46.4	1.81	50.4	2.04	51.9	2.09	53.9	2.15	55.4	2.18
		20.3	39.3	1.29	42.6	1.53	46.4	1.78	50.4	2.01	51.9	2.05	53.9	2.11	55.4	2.14
		25.4	39.3	1.25	42.6	1.49	46.4	1.75	50.4	1.97	51.9	2.02	53.9	2.07	55.4	2.09
		30.5	39.3	1.23	42.6	1.48	46.4	1.73	50.4	1.95	51.9	2.00	53.9	2.05	55.4	2.06
	104	8.1	39.3	1.69	42.6	1.97	46.4	2.29	50.4	2.58	51.9	2.64	53.9	2.71	55.4	2.76
		17.8	39.3	1.56	42.6	1.84	46.4	2.15	50.4	2.42	51.9	2.48	53.9	2.54	55.4	2.59
		20.3	39.3	1.53	42.6	1.81	46.4	2.11	50.4	2.38	51.9	2.44	53.9	2.49	55.4	2.54
		25.4	39.3	1.48	42.6	1.77	46.4	2.06	50.4	2.33	51.9	2.39	53.9	2.45	55.4	2.47
		30.5	39.3	1.46	42.6	1.75	46.4	2.04	50.4	2.30	51.9	2.36	53.9	2.43	55.4	2.44

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM072DAS5

72,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	8.1	39.3	1.96	42.6	2.27	46.4	2.65	50.4	2.99	51.9	3.05	53.9	3.13	55.4	3.19
		17.8	39.3	1.80	42.6	2.13	46.4	2.49	50.4	2.80	51.9	2.87	53.9	2.93	55.4	2.99
		20.3	39.3	1.76	42.6	2.09	46.4	2.45	50.4	2.75	51.9	2.82	53.9	2.88	55.4	2.94
		25.4	39.3	1.71	42.6	2.05	46.4	2.38	50.4	2.69	51.9	2.76	53.9	2.83	55.4	2.85
		30.5	39.3	1.69	42.6	2.03	46.4	2.35	50.4	2.66	51.9	2.73	53.9	2.81	55.4	2.81
60	50	8.1	33.7	0.60	36.5	0.60	39.7	0.60	43.2	0.63	44.5	0.64	46.2	0.65	47.5	0.66
		17.8	33.7	0.60	36.5	0.60	39.7	0.60	43.2	0.61	44.5	0.61	46.2	0.62	47.5	0.63
		20.3	33.7	0.60	36.5	0.60	39.7	0.60	43.2	0.60	44.5	0.60	46.2	0.61	47.5	0.62
		25.4	33.7	0.60	36.5	0.60	39.7	0.60	43.2	0.60	44.5	0.60	46.2	0.60	47.5	0.60
		30.5	33.7	0.60	36.5	0.60	39.7	0.60	43.2	0.60	44.5	0.60	46.2	0.60	47.5	0.60
	59	8.1	33.7	0.60	36.5	0.65	39.7	0.75	43.2	0.85	44.5	0.87	46.2	0.88	47.5	0.90
		17.8	33.7	0.60	36.5	0.61	39.7	0.70	43.2	0.79	44.5	0.81	46.2	0.83	47.5	0.84
		20.3	33.7	0.60	36.5	0.60	39.7	0.69	43.2	0.78	44.5	0.80	46.2	0.82	47.5	0.83
		25.4	33.7	0.60	36.5	0.60	39.7	0.68	43.2	0.76	44.5	0.78	46.2	0.80	47.5	0.81
		30.5	33.7	0.60	36.5	0.60	39.7	0.67	43.2	0.76	44.5	0.77	46.2	0.79	47.5	0.80
	67	8.1	33.7	0.69	36.5	0.80	39.7	0.93	43.2	1.04	44.5	1.07	46.2	1.09	47.5	1.11
		17.8	33.7	0.63	36.5	0.74	39.7	0.87	43.2	0.98	44.5	1.00	46.2	1.03	47.5	1.05
		20.3	33.7	0.62	36.5	0.73	39.7	0.85	43.2	0.96	44.5	0.98	46.2	1.01	47.5	1.03
		25.4	33.7	0.60	36.5	0.71	39.7	0.83	43.2	0.94	44.5	0.96	46.2	0.99	47.5	1.00
		30.5	33.7	0.60	36.5	0.71	39.7	0.82	43.2	0.93	44.5	0.95	46.2	0.98	47.5	0.99
	75	8.1	33.7	0.83	36.5	0.97	39.7	1.13	43.2	1.27	44.5	1.30	46.2	1.33	47.5	1.36
		17.8	33.7	0.77	36.5	0.91	39.7	1.06	43.2	1.19	44.5	1.22	46.2	1.25	47.5	1.27
		20.3	33.7	0.75	36.5	0.89	39.7	1.04	43.2	1.17	44.5	1.20	46.2	1.23	47.5	1.25
		25.4	33.7	0.73	36.5	0.87	39.7	1.02	43.2	1.14	44.5	1.18	46.2	1.20	47.5	1.22
		30.5	33.7	0.72	36.5	0.86	39.7	1.01	43.2	1.13	44.5	1.17	46.2	1.19	47.5	1.20
	86	8.1	33.7	1.03	36.5	1.19	39.7	1.39	43.2	1.56	44.5	1.60	46.2	1.64	47.5	1.67
		17.8	33.7	0.94	36.5	1.12	39.7	1.30	43.2	1.46	44.5	1.50	46.2	1.54	47.5	1.57
		20.3	33.7	0.92	36.5	1.10	39.7	1.28	43.2	1.44	44.5	1.47	46.2	1.51	47.5	1.54
		25.4	33.7	0.90	36.5	1.08	39.7	1.25	43.2	1.41	44.5	1.45	46.2	1.48	47.5	1.50
		30.5	33.7	0.88	36.5	1.06	39.7	1.24	43.2	1.40	44.5	1.43	46.2	1.47	47.5	1.48
	95	8.1	33.7	1.14	36.5	1.33	39.7	1.55	43.2	1.74	44.5	1.78	46.2	1.83	47.5	1.86
		17.8	33.7	1.05	36.5	1.24	39.7	1.45	43.2	1.63	44.5	1.67	46.2	1.71	47.5	1.74
		20.3	33.7	1.03	36.5	1.22	39.7	1.42	43.2	1.60	44.5	1.64	46.2	1.68	47.5	1.71
		25.4	33.7	1.00	36.5	1.19	39.7	1.39	43.2	1.57	44.5	1.61	46.2	1.65	47.5	1.67
		30.5	33.7	0.99	36.5	1.18	39.7	1.38	43.2	1.55	44.5	1.59	46.2	1.64	47.5	1.64
	104	8.1	33.7	1.35	36.5	1.57	39.7	1.83	43.2	2.06	44.5	2.11	46.2	2.16	47.5	2.20
		17.8	33.7	1.25	36.5	1.47	39.7	1.71	43.2	1.92	44.5	1.97	46.2	2.02	47.5	2.06
		20.3	33.7	1.22	36.5	1.45	39.7	1.68	43.2	1.89	44.5	1.94	46.2	1.99	47.5	2.03
		25.4	33.7	1.18	36.5	1.41	39.7	1.65	43.2	1.85	44.5	1.90	46.2	1.95	47.5	1.97
		30.5	33.7	1.16	36.5	1.40	39.7	1.63	43.2	1.84	44.5	1.88	46.2	1.93	47.5	1.95
	113	8.1	33.7	1.56	36.5	1.81	39.7	2.11	43.2	2.38	44.5	2.44	46.2	2.49	47.5	2.55
		17.8	33.7	1.44	36.5	1.70	39.7	1.98	43.2	2.22	44.5	2.28	46.2	2.34	47.5	2.38
		20.3	33.7	1.41	36.5	1.67	39.7	1.95	43.2	2.18	44.5	2.24	46.2	2.30	47.5	2.34
		25.4	33.7	1.37	36.5	1.63	39.7	1.91	43.2	2.14	44.5	2.20	46.2	2.25	47.5	2.28
		30.5	33.7	1.34	36.5	1.62	39.7	1.89	43.2	2.12	44.5	2.18	46.2	2.23	47.5	2.25
50	50	8.1	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
		17.8	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
		20.3	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
		25.4	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
		30.5	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
	59	8.1	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.63	37.1	0.64	38.5	0.66	39.6	0.67
		17.8	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.61	37.1	0.61	38.5	0.62	39.6	0.63
		20.3	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.61	39.6	0.62
		25.4	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60
		30.5	28.1	0.60	30.4	0.60	33.1	0.60	36.0	0.60	37.1	0.60	38.5	0.60	39.6	0.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	8.1	28.1	0.60	30.4	0.60	33.1	0.69	36.0	0.78	37.1	0.80	38.5	0.81	39.6	0.83
		17.8	28.1	0.60	30.4	0.60	33.1	0.64	36.0	0.72	37.1	0.74	38.5	0.76	39.6	0.77
		20.3	28.1	0.60	30.4	0.60	33.1	0.63	36.0	0.71	37.1	0.73	38.5	0.75	39.6	0.76
		25.4	28.1	0.60	30.4	0.60	33.1	0.62	36.0	0.70	37.1	0.72	38.5	0.74	39.6	0.75
		30.5	28.1	0.60	30.4	0.60	33.1	0.62	36.0	0.70	37.1	0.71	38.5	0.73	39.6	0.74
	75	8.1	28.1	0.62	30.4	0.72	33.1	0.84	36.0	0.95	37.1	0.97	38.5	0.99	39.6	1.01
		17.8	28.1	0.60	30.4	0.68	33.1	0.78	36.0	0.89	37.1	0.91	38.5	0.93	39.6	0.95
		20.3	28.1	0.60	30.4	0.67	33.1	0.77	36.0	0.87	37.1	0.89	38.5	0.91	39.6	0.94
		25.4	28.1	0.60	30.4	0.65	33.1	0.76	36.0	0.85	37.1	0.88	38.5	0.90	39.6	0.91
		30.5	28.1	0.60	30.4	0.64	33.1	0.75	36.0	0.85	37.1	0.87	38.5	0.89	39.6	0.89
	86	8.1	28.1	0.77	30.4	0.89	33.1	1.04	36.0	1.17	37.1	1.20	38.5	1.22	39.6	1.25
		17.8	28.1	0.71	30.4	0.83	33.1	0.97	36.0	1.10	37.1	1.12	38.5	1.15	39.6	1.16
		20.3	28.1	0.69	30.4	0.82	33.1	0.95	36.0	1.08	37.1	1.10	38.5	1.13	39.6	1.14
		25.4	28.1	0.67	30.4	0.80	33.1	0.94	36.0	1.05	37.1	1.08	38.5	1.11	39.6	1.12
		30.5	28.1	0.66	30.4	0.79	33.1	0.93	36.0	1.04	37.1	1.07	38.5	1.10	39.6	1.10
	95	8.1	28.1	0.85	30.4	0.99	33.1	1.15	36.0	1.29	37.1	1.33	38.5	1.36	39.6	1.38
		17.8	28.1	0.79	30.4	0.93	33.1	1.08	36.0	1.21	37.1	1.24	38.5	1.27	39.6	1.29
		20.3	28.1	0.77	30.4	0.91	33.1	1.06	36.0	1.19	37.1	1.22	38.5	1.25	39.6	1.27
		25.4	28.1	0.75	30.4	0.89	33.1	1.04	36.0	1.17	37.1	1.20	38.5	1.23	39.6	1.24
		30.5	28.1	0.74	30.4	0.88	33.1	1.03	36.0	1.16	37.1	1.19	38.5	1.22	39.6	1.23
	104	8.1	28.1	1.01	30.4	1.17	33.1	1.37	36.0	1.53	37.1	1.57	38.5	1.61	39.6	1.64
		17.8	28.1	0.93	30.4	1.10	33.1	1.27	36.0	1.43	37.1	1.47	38.5	1.51	39.6	1.54
		20.3	28.1	0.91	30.4	1.08	33.1	1.25	36.0	1.41	37.1	1.45	38.5	1.48	39.6	1.51
		25.4	28.1	0.88	30.4	1.05	33.1	1.23	36.0	1.39	37.1	1.42	38.5	1.46	39.6	1.47
		30.5	28.1	0.87	30.4	1.04	33.1	1.22	36.0	1.37	37.1	1.41	38.5	1.44	39.6	1.45
	113	8.1	28.1	1.17	30.4	1.35	33.1	1.58	36.0	1.78	37.1	1.82	38.5	1.86	39.6	1.90
		17.8	28.1	1.07	30.4	1.26	33.1	1.48	36.0	1.66	37.1	1.70	38.5	1.74	39.6	1.78
		20.3	28.1	1.05	30.4	1.24	33.1	1.45	36.0	1.63	37.1	1.67	38.5	1.71	39.6	1.75
		25.4	28.1	1.02	30.4	1.21	33.1	1.42	36.0	1.60	37.1	1.64	38.5	1.68	39.6	1.69
		30.5	28.1	1.00	30.4	1.20	33.1	1.41	36.0	1.59	37.1	1.62	38.5	1.67	39.6	1.67

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM096DAS5



96,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	50	10.2	89.3	1.31	96.7	1.54	105.2	1.79	114.3	2.01	117.8	2.05	122.5	2.12	125.9	2.15
		17.8	89.3	1.25	96.7	1.47	105.2	1.71	114.3	1.93	117.8	1.97	122.5	2.03	125.9	2.07
		25.4	89.3	1.19	96.7	1.40	105.2	1.64	114.3	1.85	117.8	1.90	122.5	1.94	125.9	1.99
		31.8	89.3	1.16	96.7	1.38	105.2	1.61	114.3	1.80	117.8	1.86	122.5	1.91	125.9	1.93
		38.1	89.3	1.14	96.7	1.37	105.2	1.60	114.3	1.78	117.8	1.84	122.5	1.89	125.9	1.90
	59	10.2	87.8	1.73	95.1	2.01	103.5	2.35	112.5	2.64	115.9	2.70	120.4	2.77	123.8	2.82
		17.8	87.8	1.64	95.1	1.93	103.5	2.25	112.5	2.53	115.9	2.59	120.4	2.66	123.8	2.71
		25.4	87.8	1.56	95.1	1.85	103.5	2.15	112.5	2.43	115.9	2.49	120.4	2.55	123.8	2.61
		31.8	87.8	1.52	95.1	1.81	103.5	2.11	112.5	2.38	115.9	2.44	120.4	2.50	123.8	2.54
		38.1	87.8	1.50	95.1	1.79	103.5	2.09	112.5	2.35	115.9	2.42	120.4	2.48	123.8	2.51
	67	10.2	86.5	2.10	93.7	2.44	102.0	2.84	110.9	3.19	114.2	3.27	118.6	3.35	122.0	3.41
		17.8	86.5	1.99	93.7	2.34	102.0	2.72	110.9	3.06	114.2	3.14	118.6	3.22	122.0	3.28
		25.4	86.5	1.89	93.7	2.24	102.0	2.61	110.9	2.94	114.2	3.01	118.6	3.09	122.0	3.16
		31.8	86.5	1.84	93.7	2.20	102.0	2.56	110.9	2.89	114.2	2.96	118.6	3.03	122.0	3.09
		38.1	86.5	1.82	93.7	2.17	102.0	2.53	110.9	2.86	114.2	2.93	118.6	3.00	122.0	3.05
	75	10.2	86.5	2.59	93.7	3.00	102.0	3.50	110.9	3.95	114.2	4.04	118.6	4.13	122.0	4.20
		17.8	86.5	2.46	93.7	2.88	102.0	3.36	110.9	3.78	114.2	3.88	118.6	3.97	122.0	4.04
		25.4	86.5	2.34	93.7	2.77	102.0	3.22	110.9	3.62	114.2	3.72	118.6	3.82	122.0	3.89
		31.8	86.5	2.27	93.7	2.70	102.0	3.16	110.9	3.55	114.2	3.65	118.6	3.74	122.0	3.81
		38.1	86.5	2.23	93.7	2.67	102.0	3.13	110.9	3.52	114.2	3.61	118.6	3.70	122.0	3.76
	86	10.2	86.5	3.11	93.7	3.61	102.0	4.20	110.9	4.73	114.2	4.85	118.6	4.96	122.0	5.05
		17.8	86.5	2.95	93.7	3.46	102.0	4.03	110.9	4.54	114.2	4.65	118.6	4.77	122.0	4.86
		25.4	86.5	2.80	93.7	3.32	102.0	3.87	110.9	4.35	114.2	4.46	118.6	4.58	122.0	4.67
		31.8	86.5	2.72	93.7	3.25	102.0	3.79	110.9	4.27	114.2	4.38	118.6	4.49	122.0	4.57
		38.1	86.5	2.68	93.7	3.21	102.0	3.74	110.9	4.22	114.2	4.34	118.6	4.44	122.0	4.51
	95	10.2	77.9	3.14	84.3	3.65	91.8	4.25	99.8	4.78	102.8	4.90	106.8	5.02	109.8	5.10
		17.8	77.9	2.98	84.3	3.50	91.8	4.08	99.8	4.59	102.8	4.70	106.8	4.82	109.8	4.91
		25.4	77.9	2.83	84.3	3.35	91.8	3.91	99.8	4.41	102.8	4.51	106.8	4.63	109.8	4.73
		31.8	77.9	2.75	84.3	3.28	91.8	3.83	99.8	4.31	102.8	4.43	106.8	4.54	109.8	4.61
		38.1	77.9	2.71	84.3	3.25	91.8	3.78	99.8	4.27	102.8	4.38	106.8	4.49	109.8	4.56
	104	10.2	69.2	3.32	75.0	3.85	81.6	4.48	88.7	5.04	91.4	5.16	94.9	5.29	97.6	5.39
		17.8	69.2	3.15	75.0	3.69	81.6	4.30	88.7	4.84	91.4	4.96	94.9	5.09	97.6	5.18
		25.4	69.2	2.98	75.0	3.54	81.6	4.13	88.7	4.64	91.4	4.76	94.9	4.89	97.6	4.98
		31.8	69.2	2.90	75.0	3.46	81.6	4.04	88.7	4.55	91.4	4.67	94.9	4.79	97.6	4.87
		38.1	69.2	2.86	75.0	3.43	81.6	3.99	88.7	4.51	91.4	4.62	94.9	4.74	97.6	4.82
	113	10.2	60.5	3.49	65.7	4.04	71.4	4.72	77.6	5.31	80.0	5.42	83.0	5.55	85.4	5.67
		17.8	60.5	3.31	65.7	3.88	71.4	4.53	77.6	5.09	80.0	5.21	83.0	5.34	85.4	5.45
		25.4	60.5	3.14	65.7	3.73	71.4	4.34	77.6	4.88	80.0	5.01	83.0	5.14	85.4	5.24
		31.8	60.5	3.05	65.7	3.65	71.4	4.25	77.6	4.79	80.0	4.91	83.0	5.04	85.4	5.13
		38.1	60.5	3.00	65.7	3.60	71.4	4.20	77.6	4.74	80.0	4.87	83.0	4.99	85.4	5.07
120	50	10.2	84.5	1.25	91.4	1.46	99.6	1.69	108.3	1.90	111.5	1.96	115.9	2.01	119.1	2.03
		17.8	84.5	1.18	91.4	1.40	99.6	1.62	108.3	1.82	111.5	1.87	115.9	1.92	119.1	1.95
		25.4	84.5	1.12	91.4	1.34	99.6	1.56	108.3	1.75	111.5	1.79	115.9	1.84	119.1	1.88
		31.8	84.5	1.09	91.4	1.30	99.6	1.53	108.3	1.71	111.5	1.76	115.9	1.80	119.1	1.84
		38.1	84.5	1.07	91.4	1.28	99.6	1.51	108.3	1.69	111.5	1.75	115.9	1.79	119.1	1.82
	59	10.2	83.5	1.66	90.4	1.93	98.5	2.24	107.0	2.52	110.2	2.59	114.5	2.65	117.7	2.69
		17.8	83.5	1.57	90.4	1.85	98.5	2.15	107.0	2.42	110.2	2.48	114.5	2.54	117.7	2.59
		25.4	83.5	1.49	90.4	1.77	98.5	2.06	107.0	2.32	110.2	2.38	114.5	2.44	117.7	2.49
		31.8	83.5	1.45	90.4	1.73	98.5	2.02	107.0	2.27	110.2	2.34	114.5	2.39	117.7	2.43
		38.1	83.5	1.43	90.4	1.71	98.5	2.00	107.0	2.25	110.2	2.31	114.5	2.37	117.7	2.40
	67	10.2	82.6	2.02	89.5	2.35	97.5	2.73	105.9	3.07	109.1	3.14	113.3	3.22	116.5	3.28
		17.8	82.6	1.92	89.5	2.25	97.5	2.62	105.9	2.95	109.1	3.02	113.3	3.10	116.5	3.15
		25.4	82.6	1.82	89.5	2.15	97.5	2.51	105.9	2.83	109.1	2.90	113.3	2.98	116.5	3.03
		31.8	82.6	1.77	89.5	2.11	97.5	2.46	105.9	2.77	109.1	2.84	113.3	2.91	116.5	2.96
		38.1	82.6	1.75	89.5	2.09	97.5	2.44	105.9	2.75	109.1	2.82	113.3	2.88	116.5	2.93

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	75	10.2	82.6	2.48	89.5	2.88	97.5	3.36	105.9	3.78	109.1	3.87	113.3	3.97	116.5	4.03
		17.8	82.6	2.36	89.5	2.76	97.5	3.22	105.9	3.63	109.1	3.71	113.3	3.81	116.5	3.88
		25.4	82.6	2.24	89.5	2.65	97.5	3.09	105.9	3.48	109.1	3.56	113.3	3.65	116.5	3.73
		31.8	82.6	2.17	89.5	2.59	97.5	3.03	105.9	3.41	109.1	3.49	113.3	3.58	116.5	3.64
		38.1	82.6	2.14	89.5	2.56	97.5	2.99	105.9	3.37	109.1	3.46	113.3	3.55	116.5	3.59
	86	10.2	82.6	2.99	89.5	3.49	97.5	4.06	105.9	4.57	109.1	4.67	113.3	4.79	116.5	4.88
		17.8	82.6	2.84	89.5	3.35	97.5	3.89	105.9	4.38	109.1	4.49	113.3	4.60	116.5	4.69
		25.4	82.6	2.70	89.5	3.21	97.5	3.73	105.9	4.20	109.1	4.31	113.3	4.42	116.5	4.50
		31.8	82.6	2.63	89.5	3.14	97.5	3.65	105.9	4.12	109.1	4.22	113.3	4.34	116.5	4.40
		38.1	82.6	2.59	89.5	3.10	97.5	3.61	105.9	4.08	109.1	4.18	113.3	4.29	116.5	4.35
	95	10.2	75.6	3.07	81.9	3.57	89.2	4.16	96.9	4.68	99.8	4.80	103.7	4.91	106.6	5.00
		17.8	75.6	2.92	81.9	3.42	89.2	3.99	96.9	4.49	99.8	4.60	103.7	4.72	106.6	4.80
		25.4	75.6	2.77	81.9	3.28	89.2	3.83	96.9	4.31	99.8	4.41	103.7	4.53	106.6	4.61
		31.8	75.6	2.69	81.9	3.21	89.2	3.75	96.9	4.22	99.8	4.33	103.7	4.44	106.6	4.51
		38.1	75.6	2.65	81.9	3.18	89.2	3.71	96.9	4.18	99.8	4.29	103.7	4.39	106.6	4.46
	104	10.2	68.6	3.31	74.3	3.84	80.9	4.48	88.0	5.04	90.6	5.16	94.1	5.28	96.7	5.38
		17.8	68.6	3.14	74.3	3.68	80.9	4.30	88.0	4.84	90.6	4.95	94.1	5.07	96.7	5.17
		25.4	68.6	2.98	74.3	3.53	80.9	4.12	88.0	4.64	90.6	4.75	94.1	4.87	96.7	4.97
		31.8	68.6	2.90	74.3	3.46	80.9	4.04	88.0	4.54	90.6	4.66	94.1	4.78	96.7	4.85
		38.1	68.6	2.86	74.3	3.42	80.9	3.99	88.0	4.50	90.6	4.62	94.1	4.74	96.7	4.79
	113	10.2	61.6	3.54	66.7	4.11	72.6	4.80	79.1	5.39	81.4	5.52	84.5	5.66	86.8	5.76
		17.8	61.6	3.37	66.7	3.95	72.6	4.60	79.1	5.17	81.4	5.30	84.5	5.43	86.8	5.54
		25.4	61.6	3.20	66.7	3.79	72.6	4.41	79.1	4.96	81.4	5.08	84.5	5.21	86.8	5.33
		31.8	61.6	3.11	66.7	3.70	72.6	4.32	79.1	4.87	81.4	5.00	84.5	5.12	86.8	5.19
		38.1	61.6	3.06	66.7	3.66	72.6	4.28	79.1	4.82	81.4	4.96	84.5	5.08	86.8	5.13
110	50	10.2	79.6	1.18	86.4	1.36	94.0	1.60	102.1	1.79	105.1	1.83	109.3	1.89	112.2	1.92
		17.8	79.6	1.12	86.4	1.31	94.0	1.53	102.1	1.72	105.1	1.76	109.3	1.81	112.2	1.84
		25.4	79.6	1.06	86.4	1.26	94.0	1.46	102.1	1.65	105.1	1.70	109.3	1.74	112.2	1.77
		31.8	79.6	1.03	86.4	1.23	94.0	1.43	102.1	1.63	105.1	1.65	109.3	1.71	112.2	1.73
		38.1	79.6	1.02	86.4	1.21	94.0	1.41	102.1	1.61	105.1	1.63	109.3	1.69	112.2	1.71
	59	10.2	79.2	1.58	85.8	1.84	93.4	2.14	101.5	2.41	104.5	2.46	108.6	2.53	111.6	2.57
		17.8	79.2	1.50	85.8	1.76	93.4	2.05	101.5	2.31	104.5	2.36	108.6	2.43	111.6	2.47
		25.4	79.2	1.42	85.8	1.69	93.4	1.97	101.5	2.22	104.5	2.27	108.6	2.33	111.6	2.37
		31.8	79.2	1.39	85.8	1.65	93.4	1.92	101.5	2.17	104.5	2.22	108.6	2.29	111.6	2.31
		38.1	79.2	1.37	85.8	1.63	93.4	1.90	101.5	2.15	104.5	2.20	108.6	2.27	111.6	2.29
	67	10.2	78.8	1.93	85.3	2.25	92.9	2.62	101.0	2.95	104.0	3.03	108.0	3.10	111.1	3.15
		17.8	78.8	1.83	85.3	2.16	92.9	2.51	101.0	2.83	104.0	2.90	108.0	2.97	111.1	3.03
		25.4	78.8	1.74	85.3	2.07	92.9	2.41	101.0	2.72	104.0	2.78	108.0	2.85	111.1	2.91
		31.8	78.8	1.70	85.3	2.03	92.9	2.36	101.0	2.66	104.0	2.73	108.0	2.80	111.1	2.84
		38.1	78.8	1.68	85.3	2.01	92.9	2.34	101.0	2.63	104.0	2.71	108.0	2.78	111.1	2.80
	75	10.2	78.8	2.37	85.3	2.76	92.9	3.21	101.0	3.61	104.0	3.70	108.0	3.79	111.1	3.86
		17.8	78.8	2.25	85.3	2.65	92.9	3.08	101.0	3.46	104.0	3.55	108.0	3.64	111.1	3.71
		25.4	78.8	2.14	85.3	2.54	92.9	2.96	101.0	3.32	104.0	3.41	108.0	3.49	111.1	3.56
		31.8	78.8	2.08	85.3	2.48	92.9	2.89	101.0	3.26	104.0	3.34	108.0	3.43	111.1	3.47
		38.1	78.8	2.05	85.3	2.45	92.9	2.86	101.0	3.23	104.0	3.30	108.0	3.40	111.1	3.43
	86	10.2	78.8	2.89	85.3	3.36	92.9	3.91	101.0	4.41	104.0	4.51	108.0	4.62	111.1	4.70
		17.8	78.8	2.75	85.3	3.22	92.9	3.75	101.0	4.23	104.0	4.33	108.0	4.44	111.1	4.52
		25.4	78.8	2.61	85.3	3.09	92.9	3.60	101.0	4.05	104.0	4.15	108.0	4.26	111.1	4.34
		31.8	78.8	2.54	85.3	3.03	92.9	3.53	101.0	3.97	104.0	4.07	108.0	4.18	111.1	4.23
		38.1	78.8	2.50	85.3	2.99	92.9	3.49	101.0	3.93	104.0	4.03	108.0	4.13	111.1	4.18
	95	10.2	73.4	3.01	79.5	3.49	86.6	4.07	94.1	4.58	96.9	4.69	100.7	4.80	103.5	4.89
		17.8	73.4	2.86	79.5	3.35	86.6	3.90	94.1	4.40	96.9	4.50	100.7	4.61	103.5	4.70
		25.4	73.4	2.71	79.5	3.21	86.6	3.74	94.1	4.22	96.9	4.31	100.7	4.43	103.5	4.51
		31.8	73.4	2.63	79.5	3.14	86.6	3.67	94.1	4.13	96.9	4.24	100.7	4.34	103.5	4.40
		38.1	73.4	2.60	79.5	3.11	86.6	3.63	94.1	4.09	96.9	4.20	100.7	4.30	103.5	4.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM096DAS5

96,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	104	10.2	68.0	3.30	73.7	3.84	80.2	4.47	87.2	5.03	89.8	5.15	93.3	5.28	95.9	5.38
		17.8	68.0	3.14	73.7	3.68	80.2	4.29	87.2	4.83	89.8	4.94	93.3	5.07	95.9	5.17
		25.4	68.0	2.98	73.7	3.53	80.2	4.11	87.2	4.63	89.8	4.74	93.3	4.87	95.9	4.96
		31.8	68.0	2.89	73.7	3.45	80.2	4.03	87.2	4.54	89.8	4.66	93.3	4.77	95.9	4.83
		38.1	68.0	2.85	73.7	3.41	80.2	3.99	87.2	4.49	89.8	4.61	93.3	4.73	95.9	4.77
	113	10.2	62.6	3.59	67.9	4.19	73.8	4.87	80.3	5.48	82.7	5.61	85.9	5.75	88.3	5.86
		17.8	62.6	3.41	67.9	4.01	73.8	4.67	80.3	5.26	82.7	5.39	85.9	5.52	88.3	5.63
		25.4	62.6	3.24	67.9	3.84	73.8	4.48	80.3	5.04	82.7	5.17	85.9	5.30	88.3	5.40
		31.8	62.6	3.15	67.9	3.76	73.8	4.39	80.3	4.94	82.7	5.07	85.9	5.21	88.3	5.26
		38.1	62.6	3.11	67.9	3.71	73.8	4.35	80.3	4.89	82.7	5.03	85.9	5.16	88.3	5.19
100	50	10.2	74.9	1.12	81.1	1.30	88.3	1.49	96.0	1.70	98.9	1.72	102.7	1.78	105.6	1.81
		17.8	74.9	1.06	81.1	1.24	88.3	1.43	96.0	1.63	98.9	1.66	102.7	1.71	105.6	1.74
		25.4	74.9	1.01	81.1	1.19	88.3	1.38	96.0	1.56	98.9	1.60	102.7	1.64	105.6	1.67
		31.8	74.9	0.97	81.1	1.16	88.3	1.35	96.0	1.53	98.9	1.56	102.7	1.60	105.6	1.62
		38.1	74.9	0.96	81.1	1.15	88.3	1.33	96.0	1.51	98.9	1.55	102.7	1.59	105.6	1.59
	59	10.2	74.9	1.51	81.1	1.75	88.3	2.03	96.0	2.30	98.9	2.34	102.7	2.41	105.6	2.45
		17.8	74.9	1.43	81.1	1.68	88.3	1.95	96.0	2.20	98.9	2.25	102.7	2.31	105.6	2.35
		25.4	74.9	1.36	81.1	1.61	88.3	1.88	96.0	2.11	98.9	2.16	102.7	2.22	105.6	2.26
		31.8	74.9	1.32	81.1	1.58	88.3	1.83	96.0	2.07	98.9	2.12	102.7	2.17	105.6	2.20
		38.1	74.9	1.30	81.1	1.56	88.3	1.81	96.0	2.05	98.9	2.10	102.7	2.15	105.6	2.16
	67	10.2	74.9	1.86	81.1	2.15	88.3	2.52	96.0	2.83	98.9	2.90	102.7	2.97	105.6	3.02
		17.8	74.9	1.76	81.1	2.07	88.3	2.41	96.0	2.71	98.9	2.78	102.7	2.85	105.6	2.90
		25.4	74.9	1.67	81.1	1.99	88.3	2.31	96.0	2.60	98.9	2.66	102.7	2.73	105.6	2.78
		31.8	74.9	1.62	81.1	1.94	88.3	2.27	96.0	2.55	98.9	2.61	102.7	2.68	105.6	2.71
		38.1	74.9	1.60	81.1	1.92	88.3	2.24	96.0	2.53	98.9	2.59	102.7	2.66	105.6	2.68
	75	10.2	74.9	2.26	81.1	2.63	88.3	3.06	96.0	3.45	98.9	3.54	102.7	3.62	105.6	3.68
		17.8	74.9	2.15	81.1	2.52	88.3	2.94	96.0	3.31	98.9	3.39	102.7	3.47	105.6	3.53
		25.4	74.9	2.04	81.1	2.42	88.3	2.82	96.0	3.17	98.9	3.25	102.7	3.33	105.6	3.39
		31.8	74.9	1.99	81.1	2.37	88.3	2.76	96.0	3.11	98.9	3.19	102.7	3.27	105.6	3.30
		38.1	74.9	1.96	81.1	2.35	88.3	2.73	96.0	3.08	98.9	3.15	102.7	3.24	105.6	3.26
	86	10.2	74.9	2.78	81.1	3.24	88.3	3.77	96.0	4.24	98.9	4.34	102.7	4.45	105.6	4.53
		17.8	74.9	2.64	81.1	3.11	88.3	3.61	96.0	4.07	98.9	4.16	102.7	4.27	105.6	4.35
		25.4	74.9	2.51	81.1	2.98	88.3	3.46	96.0	3.90	98.9	3.99	102.7	4.10	105.6	4.18
		31.8	74.9	2.44	81.1	2.91	88.3	3.39	96.0	3.83	98.9	3.92	102.7	4.02	105.6	4.06
		38.1	74.9	2.40	81.1	2.88	88.3	3.36	96.0	3.79	98.9	3.89	102.7	3.98	105.6	4.01
	95	10.2	71.2	2.94	77.1	3.41	83.9	3.97	91.2	4.48	93.9	4.58	97.6	4.70	100.3	4.78
		17.8	71.2	2.79	77.1	3.27	83.9	3.81	91.2	4.30	93.9	4.40	97.6	4.51	100.3	4.59
		25.4	71.2	2.65	77.1	3.14	83.9	3.66	91.2	4.12	93.9	4.22	97.6	4.33	100.3	4.41
		31.8	71.2	2.58	77.1	3.07	83.9	3.58	91.2	4.04	93.9	4.14	97.6	4.25	100.3	4.29
		38.1	71.2	2.54	77.1	3.04	83.9	3.54	91.2	4.00	93.9	4.10	97.6	4.20	100.3	4.23
	104	10.2	67.4	3.30	73.0	3.83	79.5	4.46	86.4	5.02	89.0	5.14	92.5	5.27	95.0	5.36
		17.8	67.4	3.13	73.0	3.68	79.5	4.28	86.4	4.82	89.0	4.93	92.5	5.06	95.0	5.15
		25.4	67.4	2.97	73.0	3.53	79.5	4.11	86.4	4.62	89.0	4.73	92.5	4.85	95.0	4.94
		31.8	67.4	2.89	73.0	3.45	79.5	4.02	86.4	4.53	89.0	4.64	92.5	4.76	95.0	4.81
		38.1	67.4	2.85	73.0	3.41	79.5	3.98	86.4	4.49	89.0	4.60	92.5	4.72	95.0	4.74
	113	10.2	63.6	3.67	68.9	4.25	75.1	4.95	81.6	5.57	84.1	5.70	87.4	5.85	89.7	5.94
		17.8	63.6	3.48	68.9	4.08	75.1	4.75	81.6	5.34	84.1	5.47	87.4	5.61	89.7	5.71
		25.4	63.6	3.29	68.9	3.91	75.1	4.55	81.6	5.12	84.1	5.25	87.4	5.37	89.7	5.48
		31.8	63.6	3.21	68.9	3.83	75.1	4.46	81.6	5.02	84.1	5.14	87.4	5.28	89.7	5.33
		38.1	63.6	3.16	68.9	3.78	75.1	4.42	81.6	4.97	84.1	5.09	87.4	5.23	89.7	5.26
90	50	10.2	67.4	0.95	73.0	1.10	79.5	1.29	86.4	1.46	89.0	1.48	92.5	1.51	95.0	1.56
		17.8	67.4	0.91	73.0	1.06	79.5	1.24	86.4	1.40	89.0	1.42	92.5	1.46	95.0	1.50
		25.4	67.4	0.87	73.0	1.03	79.5	1.19	86.4	1.35	89.0	1.37	92.5	1.42	95.0	1.44
		31.8	67.4	0.84	73.0	0.99	79.5	1.17	86.4	1.31	89.0	1.35	92.5	1.39	95.0	1.39
		38.1	67.4	0.82	73.0	0.97	79.5	1.16	86.4	1.29	89.0	1.33	92.5	1.38	95.0	1.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 96,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	10.2	67.4	1.29	73.0	1.50	79.5	1.75	86.4	1.98	89.0	2.02	92.5	2.07	95.0	2.11
		17.8	67.4	1.23	73.0	1.44	79.5	1.68	86.4	1.90	89.0	1.94	92.5	1.99	95.0	2.02
		25.4	67.4	1.17	73.0	1.39	79.5	1.61	86.4	1.82	89.0	1.86	92.5	1.91	95.0	1.94
		31.8	67.4	1.14	73.0	1.35	79.5	1.58	86.4	1.78	89.0	1.83	92.5	1.88	95.0	1.89
		38.1	67.4	1.12	73.0	1.33	79.5	1.57	86.4	1.76	89.0	1.81	92.5	1.86	95.0	1.86
	67	10.2	67.4	1.60	73.0	1.86	79.5	2.16	86.4	2.44	89.0	2.49	92.5	2.56	95.0	2.60
		17.8	67.4	1.52	73.0	1.78	79.5	2.07	86.4	2.34	89.0	2.39	92.5	2.45	95.0	2.50
		25.4	67.4	1.44	73.0	1.71	79.5	1.99	86.4	2.24	89.0	2.29	92.5	2.35	95.0	2.40
		31.8	67.4	1.40	73.0	1.67	79.5	1.95	86.4	2.20	89.0	2.25	92.5	2.31	95.0	2.34
		38.1	67.4	1.38	73.0	1.66	79.5	1.93	86.4	2.17	89.0	2.23	92.5	2.29	95.0	2.30
	75	10.2	67.4	1.95	73.0	2.27	79.5	2.64	86.4	2.97	89.0	3.04	92.5	3.12	95.0	3.17
		17.8	67.4	1.85	73.0	2.17	79.5	2.53	86.4	2.85	89.0	2.92	92.5	2.99	95.0	3.04
		25.4	67.4	1.76	73.0	2.08	79.5	2.43	86.4	2.73	89.0	2.80	92.5	2.87	95.0	2.92
		31.8	67.4	1.71	73.0	2.04	79.5	2.38	86.4	2.68	89.0	2.75	92.5	2.82	95.0	2.84
		38.1	67.4	1.68	73.0	2.01	79.5	2.35	86.4	2.65	89.0	2.72	92.5	2.79	95.0	2.81
	86	10.2	67.4	2.40	73.0	2.79	79.5	3.25	86.4	3.66	89.0	3.74	92.5	3.83	95.0	3.90
		17.8	67.4	2.28	73.0	2.67	79.5	3.11	86.4	3.51	89.0	3.59	92.5	3.68	95.0	3.74
		25.4	67.4	2.16	73.0	2.56	79.5	2.98	86.4	3.36	89.0	3.44	92.5	3.53	95.0	3.59
		31.8	67.4	2.10	73.0	2.51	79.5	2.92	86.4	3.30	89.0	3.37	92.5	3.46	95.0	3.50
		38.1	67.4	2.07	73.0	2.48	79.5	2.89	86.4	3.27	89.0	3.34	92.5	3.43	95.0	3.45
	95	10.2	65.6	2.59	71.0	3.00	77.3	3.50	84.0	3.94	86.5	4.03	89.9	4.13	92.4	4.21
		17.8	65.6	2.46	71.0	2.88	77.3	3.36	84.0	3.78	86.5	3.87	89.9	3.97	92.4	4.04
		25.4	65.6	2.33	71.0	2.76	77.3	3.22	84.0	3.62	86.5	3.71	89.9	3.81	92.4	3.88
		31.8	65.6	2.27	71.0	2.70	77.3	3.15	84.0	3.55	86.5	3.65	89.9	3.74	92.4	3.77
		38.1	65.6	2.23	71.0	2.68	77.3	3.12	84.0	3.52	86.5	3.61	89.9	3.70	92.4	3.72
	104	10.2	63.7	2.97	69.0	3.45	75.1	4.02	81.6	4.53	84.1	4.63	87.3	4.75	89.8	4.83
		17.8	63.7	2.82	69.0	3.31	75.1	3.86	81.6	4.34	84.1	4.45	87.3	4.56	89.8	4.64
		25.4	63.7	2.68	69.0	3.17	75.1	3.70	81.6	4.16	84.1	4.27	87.3	4.37	89.8	4.45
		31.8	63.7	2.60	69.0	3.11	75.1	3.62	81.6	4.08	84.1	4.18	87.3	4.29	89.8	4.34
		38.1	63.7	2.56	69.0	3.08	75.1	3.59	81.6	4.05	84.1	4.14	87.3	4.26	89.8	4.28
	113	10.2	61.8	3.36	67.0	3.90	72.9	4.53	79.2	5.12	81.7	5.23	84.7	5.36	87.2	5.45
		17.8	61.8	3.19	67.0	3.74	72.9	4.35	79.2	4.91	81.7	5.02	84.7	5.15	87.2	5.24
		25.4	61.8	3.03	67.0	3.58	72.9	4.18	79.2	4.70	81.7	4.82	84.7	4.94	87.2	5.03
		31.8	61.8	2.93	67.0	3.51	72.9	4.10	79.2	4.61	81.7	4.72	84.7	4.85	87.2	4.90
		38.1	61.8	2.89	67.0	3.48	72.9	4.06	79.2	4.57	81.7	4.67	84.7	4.81	87.2	4.83
80	50	10.2	59.9	0.81	64.9	0.92	70.7	1.07	76.8	1.23	79.1	1.25	82.2	1.28	84.5	1.29
		17.8	59.9	0.76	64.9	0.89	70.7	1.03	76.8	1.17	79.1	1.20	82.2	1.22	84.5	1.24
		25.4	59.9	0.72	64.9	0.87	70.7	1.00	76.8	1.12	79.1	1.15	82.2	1.17	84.5	1.19
		31.8	59.9	0.71	64.9	0.84	70.7	0.98	76.8	1.10	79.1	1.12	82.2	1.15	84.5	1.17
		38.1	59.9	0.71	64.9	0.82	70.7	0.97	76.8	1.09	79.1	1.10	82.2	1.14	84.5	1.15
	59	10.2	59.9	1.09	64.9	1.26	70.7	1.47	76.8	1.66	79.1	1.69	82.2	1.74	84.5	1.76
		17.8	59.9	1.03	64.9	1.21	70.7	1.41	76.8	1.59	79.1	1.62	82.2	1.67	84.5	1.69
		25.4	59.9	0.98	64.9	1.16	70.7	1.35	76.8	1.52	79.1	1.56	82.2	1.60	84.5	1.62
		31.8	59.9	0.95	64.9	1.14	70.7	1.32	76.8	1.49	79.1	1.53	82.2	1.57	84.5	1.58
		38.1	59.9	0.94	64.9	1.12	70.7	1.31	76.8	1.48	79.1	1.51	82.2	1.55	84.5	1.56
	67	10.2	59.9	1.34	64.9	1.56	70.7	1.81	76.8	2.04	79.1	2.09	82.2	2.14	84.5	2.18
		17.8	59.9	1.27	64.9	1.49	70.7	1.74	76.8	1.96	79.1	2.00	82.2	2.05	84.5	2.09
		25.4	59.9	1.21	64.9	1.43	70.7	1.67	76.8	1.88	79.1	1.92	82.2	1.97	84.5	2.01
		31.8	59.9	1.17	64.9	1.40	70.7	1.63	76.8	1.84	79.1	1.89	82.2	1.94	84.5	1.95
		38.1	59.9	1.15	64.9	1.39	70.7	1.61	76.8	1.82	79.1	1.87	82.2	1.92	84.5	1.92
	75	10.2	59.9	1.64	64.9	1.90	70.7	2.21	76.8	2.49	79.1	2.55	82.2	2.61	84.5	2.66
		17.8	59.9	1.55	64.9	1.82	70.7	2.12	76.8	2.39	79.1	2.44	82.2	2.50	84.5	2.55
		25.4	59.9	1.47	64.9	1.74	70.7	2.04	76.8	2.29	79.1	2.34	82.2	2.40	84.5	2.45
		31.8	59.9	1.43	64.9	1.71	70.7	1.99	76.8	2.24	79.1	2.30	82.2	2.36	84.5	2.38
		38.1	59.9	1.41	64.9	1.69	70.7	1.97	76.8	2.22	79.1	2.28	82.2	2.34	84.5	2.35

TC = Total Capacity (MBh).  
 PI = Power Input (kW) (includes compressor and controls).  
 The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM096DAS5



96,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	10.2	59.9	2.00	64.9	2.33	70.7	2.72	76.8	3.06	79.1	3.13	82.2	3.21	84.5	3.27
		17.8	59.9	1.90	64.9	2.24	70.7	2.61	76.8	2.94	79.1	3.01	82.2	3.08	84.5	3.14
		25.4	59.9	1.81	64.9	2.15	70.7	2.50	76.8	2.82	79.1	2.89	82.2	2.96	84.5	3.01
		31.8	59.9	1.76	64.9	2.10	70.7	2.45	76.8	2.76	79.1	2.83	82.2	2.90	84.5	2.93
		38.1	59.9	1.74	64.9	2.07	70.7	2.42	76.8	2.73	79.1	2.80	82.2	2.87	84.5	2.90
	95	10.2	59.9	2.23	64.9	2.59	70.7	3.02	76.8	3.40	79.1	3.49	82.2	3.57	84.5	3.63
		17.8	59.9	2.12	64.9	2.48	70.7	2.90	76.8	3.26	79.1	3.35	82.2	3.42	84.5	3.49
		25.4	59.9	2.01	64.9	2.38	70.7	2.78	76.8	3.13	79.1	3.21	82.2	3.28	84.5	3.35
		31.8	59.9	1.96	64.9	2.34	70.7	2.73	76.8	3.07	79.1	3.14	82.2	3.23	84.5	3.26
		38.1	59.9	1.93	64.9	2.31	70.7	2.70	76.8	3.04	79.1	3.11	82.2	3.20	84.5	3.21
	104	10.2	59.9	2.65	64.9	3.08	70.7	3.58	76.8	4.03	79.1	4.12	82.2	4.23	84.5	4.30
		17.8	59.9	2.51	64.9	2.95	70.7	3.43	76.8	3.87	79.1	3.95	82.2	4.06	84.5	4.13
		25.4	59.9	2.38	64.9	2.82	70.7	3.29	76.8	3.71	79.1	3.79	82.2	3.89	84.5	3.96
		31.8	59.9	2.31	64.9	2.77	70.7	3.22	76.8	3.63	79.1	3.72	82.2	3.82	84.5	3.85
		38.1	59.9	2.28	64.9	2.74	70.7	3.19	76.8	3.59	79.1	3.69	82.2	3.78	84.5	3.80
	113	10.2	59.9	3.06	64.9	3.56	70.7	4.14	76.8	4.66	79.1	4.76	82.2	4.89	84.5	4.97
		17.8	59.9	2.90	64.9	3.41	70.7	3.97	76.8	4.47	79.1	4.57	82.2	4.69	84.5	4.77
		25.4	59.9	2.75	64.9	3.26	70.7	3.80	76.8	4.29	79.1	4.38	82.2	4.50	84.5	4.57
		31.8	59.9	2.67	64.9	3.20	70.7	3.72	76.8	4.20	79.1	4.30	82.2	4.41	84.5	4.45
		38.1	59.9	2.63	64.9	3.17	70.7	3.67	76.8	4.15	79.1	4.26	82.2	4.37	84.5	4.39
70	50	10.2	52.5	0.66	56.8	0.77	61.9	0.89	67.2	1.00	69.2	1.04	71.9	1.07	73.9	1.07
		17.8	52.5	0.63	56.8	0.73	61.9	0.85	67.2	0.97	69.2	1.00	71.9	1.03	73.9	1.03
		25.4	52.5	0.60	56.8	0.70	61.9	0.82	67.2	0.94	69.2	0.96	71.9	0.99	73.9	1.00
		31.8	52.5	0.60	56.8	0.69	61.9	0.81	67.2	0.91	69.2	0.93	71.9	0.96	73.9	0.97
		38.1	52.5	0.60	56.8	0.68	61.9	0.80	67.2	0.90	69.2	0.92	71.9	0.94	73.9	0.96
	59	10.2	52.5	0.90	56.8	1.05	61.9	1.22	67.2	1.37	69.2	1.41	71.9	1.44	73.9	1.47
		17.8	52.5	0.86	56.8	1.00	61.9	1.17	67.2	1.32	69.2	1.35	71.9	1.38	73.9	1.41
		25.4	52.5	0.82	56.8	0.96	61.9	1.12	67.2	1.27	69.2	1.30	71.9	1.33	73.9	1.35
		31.8	52.5	0.79	56.8	0.94	61.9	1.10	67.2	1.24	69.2	1.27	71.9	1.30	73.9	1.32
		38.1	52.5	0.78	56.8	0.93	61.9	1.09	67.2	1.23	69.2	1.25	71.9	1.29	73.9	1.30
	67	10.2	52.5	1.12	56.8	1.30	61.9	1.51	67.2	1.70	69.2	1.74	71.9	1.78	73.9	1.81
		17.8	52.5	1.06	56.8	1.24	61.9	1.45	67.2	1.63	69.2	1.67	71.9	1.71	73.9	1.74
		25.4	52.5	1.00	56.8	1.19	61.9	1.39	67.2	1.56	69.2	1.60	71.9	1.64	73.9	1.67
		31.8	52.5	0.98	56.8	1.16	61.9	1.36	67.2	1.53	69.2	1.57	71.9	1.61	73.9	1.62
		38.1	52.5	0.96	56.8	1.15	61.9	1.35	67.2	1.52	69.2	1.55	71.9	1.60	73.9	1.60
	75	10.2	52.5	1.36	56.8	1.58	61.9	1.83	67.2	2.07	69.2	2.12	71.9	2.17	73.9	2.21
		17.8	52.5	1.29	56.8	1.51	61.9	1.76	67.2	1.98	69.2	2.03	71.9	2.08	73.9	2.12
		25.4	52.5	1.23	56.8	1.45	61.9	1.69	67.2	1.90	69.2	1.95	71.9	2.00	73.9	2.04
		31.8	52.5	1.19	56.8	1.42	61.9	1.66	67.2	1.87	69.2	1.91	71.9	1.96	73.9	1.98
		38.1	52.5	1.17	56.8	1.41	61.9	1.64	67.2	1.85	69.2	1.89	71.9	1.94	73.9	1.95
	86	10.2	52.5	1.67	56.8	1.94	61.9	2.26	67.2	2.54	69.2	2.61	71.9	2.67	73.9	2.72
		17.8	52.5	1.59	56.8	1.86	61.9	2.17	67.2	2.44	69.2	2.50	71.9	2.56	73.9	2.61
		25.4	52.5	1.51	56.8	1.78	61.9	2.08	67.2	2.34	69.2	2.40	71.9	2.46	73.9	2.50
		31.8	52.5	1.46	56.8	1.75	61.9	2.04	67.2	2.29	69.2	2.36	71.9	2.41	73.9	2.44
		38.1	52.5	1.44	56.8	1.73	61.9	2.01	67.2	2.27	69.2	2.33	71.9	2.39	73.9	2.41
	95	10.2	52.5	1.86	56.8	2.15	61.9	2.52	67.2	2.83	69.2	2.90	71.9	2.97	73.9	3.02
		17.8	52.5	1.76	56.8	2.07	61.9	2.41	67.2	2.71	69.2	2.78	71.9	2.85	73.9	2.90
		25.4	52.5	1.67	56.8	1.99	61.9	2.31	67.2	2.60	69.2	2.66	71.9	2.73	73.9	2.78
		31.8	52.5	1.62	56.8	1.94	61.9	2.27	67.2	2.55	69.2	2.61	71.9	2.68	73.9	2.71
		38.1	52.5	1.60	56.8	1.91	61.9	2.24	67.2	2.53	69.2	2.59	71.9	2.66	73.9	2.68
	104	10.2	52.5	2.20	56.8	2.55	61.9	2.98	67.2	3.35	69.2	3.43	71.9	3.51	73.9	3.58
		17.8	52.5	2.09	56.8	2.45	61.9	2.86	67.2	3.21	69.2	3.29	71.9	3.37	73.9	3.44
		25.4	52.5	1.98	56.8	2.35	61.9	2.74	67.2	3.08	69.2	3.16	71.9	3.23	73.9	3.30
		31.8	52.5	1.92	56.8	2.30	61.9	2.68	67.2	3.02	69.2	3.09	71.9	3.18	73.9	3.21
		38.1	52.5	1.90	56.8	2.28	61.9	2.65	67.2	2.99	69.2	3.06	71.9	3.15	73.9	3.16

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	10.2	52.5	2.54	56.8	2.95	61.9	3.43	67.2	3.88	69.2	3.96	71.9	4.06	73.9	4.14
		17.8	52.5	2.41	56.8	2.83	61.9	3.30	67.2	3.72	69.2	3.80	71.9	3.90	73.9	3.97
		25.4	52.5	2.29	56.8	2.71	61.9	3.17	67.2	3.56	69.2	3.65	71.9	3.74	73.9	3.81
		31.8	52.5	2.22	56.8	2.66	61.9	3.09	67.2	3.49	69.2	3.58	71.9	3.67	73.9	3.70
		38.1	52.5	2.19	56.8	2.64	61.9	3.05	67.2	3.45	69.2	3.54	71.9	3.64	73.9	3.65
60	50	10.2	44.9	0.60	48.7	0.61	53.0	0.70	57.6	0.81	59.4	0.83	61.7	0.84	63.4	0.86
		17.8	44.9	0.60	48.7	0.60	53.0	0.68	57.6	0.77	59.4	0.79	61.7	0.81	63.4	0.83
		25.4	44.9	0.60	48.7	0.60	53.0	0.66	57.6	0.74	59.4	0.76	61.7	0.79	63.4	0.80
		31.8	44.9	0.60	48.7	0.60	53.0	0.65	57.6	0.73	59.4	0.74	61.7	0.76	63.4	0.78
		38.1	44.9	0.60	48.7	0.60	53.0	0.64	57.6	0.72	59.4	0.74	61.7	0.75	63.4	0.77
	59	10.2	44.9	0.72	48.7	0.84	53.0	0.97	57.6	1.10	59.4	1.13	61.7	1.15	63.4	1.17
		17.8	44.9	0.68	48.7	0.80	53.0	0.93	57.6	1.05	59.4	1.08	61.7	1.10	63.4	1.12
		25.4	44.9	0.65	48.7	0.77	53.0	0.90	57.6	1.01	59.4	1.03	61.7	1.06	63.4	1.08
		31.8	44.9	0.63	48.7	0.75	53.0	0.88	57.6	0.99	59.4	1.01	61.7	1.04	63.4	1.05
		38.1	44.9	0.62	48.7	0.75	53.0	0.87	57.6	0.98	59.4	1.00	61.7	1.03	63.4	1.04
	67	10.2	44.9	0.89	48.7	1.04	53.0	1.20	57.6	1.35	59.4	1.39	61.7	1.42	63.4	1.44
		17.8	44.9	0.84	48.7	0.99	53.0	1.15	57.6	1.30	59.4	1.33	61.7	1.36	63.4	1.38
		25.4	44.9	0.80	48.7	0.95	53.0	1.11	57.6	1.25	59.4	1.28	61.7	1.30	63.4	1.33
		31.8	44.9	0.78	48.7	0.93	53.0	1.08	57.6	1.22	59.4	1.25	61.7	1.28	63.4	1.30
		38.1	44.9	0.77	48.7	0.92	53.0	1.07	57.6	1.21	59.4	1.23	61.7	1.27	63.4	1.28
	75	10.2	44.9	1.08	48.7	1.26	53.0	1.47	57.6	1.65	59.4	1.69	61.7	1.73	63.4	1.76
		17.8	44.9	1.03	48.7	1.21	53.0	1.41	57.6	1.58	59.4	1.62	61.7	1.66	63.4	1.69
		25.4	44.9	0.98	48.7	1.16	53.0	1.35	57.6	1.52	59.4	1.55	61.7	1.60	63.4	1.62
		31.8	44.9	0.95	48.7	1.13	53.0	1.32	57.6	1.48	59.4	1.53	61.7	1.56	63.4	1.58
		38.1	44.9	0.93	48.7	1.12	53.0	1.30	57.6	1.47	59.4	1.51	61.7	1.54	63.4	1.56
	86	10.2	44.9	1.33	48.7	1.54	53.0	1.80	57.6	2.03	59.4	2.08	61.7	2.12	63.4	2.17
		17.8	44.9	1.26	48.7	1.48	53.0	1.73	57.6	1.95	59.4	1.99	61.7	2.04	63.4	2.08
		25.4	44.9	1.20	48.7	1.42	53.0	1.66	57.6	1.87	59.4	1.91	61.7	1.96	63.4	1.99
		31.8	44.9	1.16	48.7	1.39	53.0	1.62	57.6	1.83	59.4	1.88	61.7	1.92	63.4	1.94
		38.1	44.9	1.15	48.7	1.38	53.0	1.61	57.6	1.82	59.4	1.86	61.7	1.91	63.4	1.92
	95	10.2	44.9	1.48	48.7	1.72	53.0	2.01	57.6	2.25	59.4	2.31	61.7	2.37	63.4	2.41
		17.8	44.9	1.40	48.7	1.65	53.0	1.92	57.6	2.16	59.4	2.22	61.7	2.27	63.4	2.31
		25.4	44.9	1.33	48.7	1.58	53.0	1.84	57.6	2.08	59.4	2.13	61.7	2.17	63.4	2.22
		31.8	44.9	1.30	48.7	1.55	53.0	1.81	57.6	2.04	59.4	2.08	61.7	2.14	63.4	2.16
		38.1	44.9	1.28	48.7	1.53	53.0	1.79	57.6	2.01	59.4	2.06	61.7	2.12	63.4	2.13
	104	10.2	44.9	1.75	48.7	2.03	53.0	2.37	57.6	2.67	59.4	2.73	61.7	2.80	63.4	2.85
		17.8	44.9	1.66	48.7	1.95	53.0	2.27	57.6	2.56	59.4	2.62	61.7	2.69	63.4	2.74
		25.4	44.9	1.58	48.7	1.88	53.0	2.18	57.6	2.45	59.4	2.52	61.7	2.58	63.4	2.63
		31.8	44.9	1.53	48.7	1.83	53.0	2.14	57.6	2.40	59.4	2.47	61.7	2.53	63.4	2.56
		38.1	44.9	1.51	48.7	1.81	53.0	2.12	57.6	2.38	59.4	2.44	61.7	2.51	63.4	2.52
	113	10.2	44.9	2.02	48.7	2.34	53.0	2.74	57.6	3.09	59.4	3.16	61.7	3.23	63.4	3.30
		17.8	44.9	1.92	48.7	2.25	53.0	2.63	57.6	2.96	59.4	3.03	61.7	3.10	63.4	3.17
		25.4	44.9	1.83	48.7	2.17	53.0	2.52	57.6	2.83	59.4	2.91	61.7	2.98	63.4	3.04
		31.8	44.9	1.77	48.7	2.12	53.0	2.47	57.6	2.77	59.4	2.85	61.7	2.92	63.4	2.96
		38.1	44.9	1.74	48.7	2.09	53.0	2.45	57.6	2.75	59.4	2.82	61.7	2.89	63.4	2.91
50	50	10.2	37.4	0.60	40.5	0.60	44.1	0.60	48.1	0.60	49.5	0.61	51.4	0.64	52.8	0.64
		17.8	37.4	0.60	40.5	0.60	44.1	0.60	48.1	0.60	49.5	0.60	51.4	0.62	52.8	0.62
		25.4	37.4	0.60	40.5	0.60	44.1	0.60	48.1	0.60	49.5	0.60	51.4	0.60	52.8	0.60
		31.8	37.4	0.60	40.5	0.60	44.1	0.60	48.1	0.60	49.5	0.60	51.4	0.60	52.8	0.60
		38.1	37.4	0.60	40.5	0.60	44.1	0.60	48.1	0.60	49.5	0.60	51.4	0.60	52.8	0.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA

ARWM096DAS5



## 96,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	59	10.2	37.4	0.60	40.5	0.62	44.1	0.73	48.1	0.81	49.5	0.83	51.4	0.86	52.8	0.87
		17.8	37.4	0.60	40.5	0.61	44.1	0.70	48.1	0.78	49.5	0.80	51.4	0.82	52.8	0.83
		25.4	37.4	0.60	40.5	0.60	44.1	0.67	48.1	0.75	49.5	0.77	51.4	0.79	52.8	0.80
		31.8	37.4	0.60	40.5	0.60	44.1	0.66	48.1	0.74	49.5	0.75	51.4	0.77	52.8	0.78
		38.1	37.4	0.60	40.5	0.60	44.1	0.65	48.1	0.73	49.5	0.74	51.4	0.77	52.8	0.77
	67	10.2	37.4	0.66	40.5	0.77	44.1	0.89	48.1	1.01	49.5	1.04	51.4	1.05	52.8	1.08
		17.8	37.4	0.63	40.5	0.73	44.1	0.85	48.1	0.97	49.5	0.99	51.4	1.01	52.8	1.03
		25.4	37.4	0.60	40.5	0.70	44.1	0.82	48.1	0.93	49.5	0.95	51.4	0.98	52.8	0.99
		31.8	37.4	0.60	40.5	0.69	44.1	0.81	48.1	0.91	49.5	0.93	51.4	0.95	52.8	0.97
		38.1	37.4	0.60	40.5	0.68	44.1	0.80	48.1	0.91	49.5	0.93	51.4	0.94	52.8	0.96
	75	10.2	37.4	0.80	40.5	0.93	44.1	1.09	48.1	1.23	49.5	1.26	51.4	1.29	52.8	1.31
		17.8	37.4	0.76	40.5	0.89	44.1	1.04	48.1	1.18	49.5	1.21	51.4	1.23	52.8	1.26
		25.4	37.4	0.72	40.5	0.86	44.1	1.00	48.1	1.13	49.5	1.16	51.4	1.18	52.8	1.21
		31.8	37.4	0.70	40.5	0.84	44.1	0.98	48.1	1.11	49.5	1.14	51.4	1.16	52.8	1.18
		38.1	37.4	0.69	40.5	0.83	44.1	0.97	48.1	1.10	49.5	1.13	51.4	1.15	52.8	1.16
	86	10.2	37.4	1.00	40.5	1.16	44.1	1.35	48.1	1.52	49.5	1.55	51.4	1.59	52.8	1.62
		17.8	37.4	0.94	40.5	1.11	44.1	1.29	48.1	1.45	49.5	1.48	51.4	1.52	52.8	1.55
		25.4	37.4	0.89	40.5	1.06	44.1	1.23	48.1	1.39	49.5	1.42	51.4	1.46	52.8	1.48
		31.8	37.4	0.87	40.5	1.04	44.1	1.21	48.1	1.37	49.5	1.40	51.4	1.44	52.8	1.45
		38.1	37.4	0.86	40.5	1.03	44.1	1.20	48.1	1.35	49.5	1.39	51.4	1.42	52.8	1.43
	95	10.2	37.4	1.10	40.5	1.28	44.1	1.50	48.1	1.68	49.5	1.72	51.4	1.76	52.8	1.79
		17.8	37.4	1.05	40.5	1.23	44.1	1.43	48.1	1.61	49.5	1.65	51.4	1.69	52.8	1.72
		25.4	37.4	1.00	40.5	1.18	44.1	1.37	48.1	1.55	49.5	1.58	51.4	1.62	52.8	1.65
		31.8	37.4	0.97	40.5	1.16	44.1	1.35	48.1	1.52	49.5	1.55	51.4	1.60	52.8	1.61
		38.1	37.4	0.95	40.5	1.15	44.1	1.33	48.1	1.51	49.5	1.54	51.4	1.58	52.8	1.59
	104	10.2	37.4	1.31	40.5	1.52	44.1	1.77	48.1	1.99	49.5	2.04	51.4	2.09	52.8	2.12
		17.8	37.4	1.24	40.5	1.45	44.1	1.69	48.1	1.91	49.5	1.96	51.4	2.00	52.8	2.04
		25.4	37.4	1.18	40.5	1.39	44.1	1.62	48.1	1.83	49.5	1.88	51.4	1.92	52.8	1.96
		31.8	37.4	1.14	40.5	1.37	44.1	1.60	48.1	1.80	49.5	1.84	51.4	1.89	52.8	1.90
		38.1	37.4	1.13	40.5	1.35	44.1	1.58	48.1	1.78	49.5	1.82	51.4	1.87	52.8	1.87
	113	10.2	37.4	1.52	40.5	1.75	44.1	2.05	48.1	2.30	49.5	2.36	51.4	2.42	52.8	2.46
		17.8	37.4	1.44	40.5	1.68	44.1	1.96	48.1	2.21	49.5	2.26	51.4	2.32	52.8	2.36
		25.4	37.4	1.36	40.5	1.61	44.1	1.88	48.1	2.12	49.5	2.17	51.4	2.22	52.8	2.27
		31.8	37.4	1.32	40.5	1.58	44.1	1.85	48.1	2.08	49.5	2.13	51.4	2.18	52.8	2.20
		38.1	37.4	1.30	40.5	1.56	44.1	1.83	48.1	2.06	49.5	2.10	51.4	2.16	52.8	2.16

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	50	12.2	111.3	2.09	120.5	2.46	131.2	2.86	142.5	3.21	146.9	3.28	152.7	3.39	156.9	3.43
		17.8	111.3	2.03	120.5	2.39	131.2	2.78	142.5	3.13	146.9	3.21	152.7	3.30	156.9	3.35
		30.4	111.3	1.91	120.5	2.24	131.2	2.61	142.5	2.95	146.9	3.04	152.7	3.10	156.9	3.18
		38.0	111.3	1.85	120.5	2.21	131.2	2.57	142.5	2.88	146.9	2.97	152.7	3.05	156.9	3.09
		45.6	111.3	1.82	120.5	2.19	131.2	2.55	142.5	2.85	146.9	2.94	152.7	3.02	156.9	3.04
	59	12.2	109.5	2.76	118.6	3.22	129.1	3.75	140.3	4.21	144.5	4.31	150.2	4.43	154.4	4.50
		17.8	109.5	2.68	118.6	3.14	129.1	3.65	140.3	4.11	144.5	4.21	150.2	4.32	154.4	4.40
		30.4	109.5	2.49	118.6	2.95	129.1	3.44	140.3	3.88	144.5	3.98	150.2	4.08	154.4	4.17
		38.0	109.5	2.43	118.6	2.90	129.1	3.37	140.3	3.80	144.5	3.90	150.2	4.00	154.4	4.07
		45.6	109.5	2.39	118.6	2.87	129.1	3.34	140.3	3.76	144.5	3.86	150.2	3.96	154.4	4.01
	67	12.2	107.8	3.35	116.8	3.89	127.2	4.54	138.3	5.10	142.4	5.23	147.9	5.35	152.2	5.45
		17.8	107.8	3.25	116.8	3.80	127.2	4.43	138.3	4.98	142.4	5.10	147.9	5.23	152.2	5.33
		30.4	107.8	3.02	116.8	3.59	127.2	4.18	138.3	4.70	142.4	4.81	147.9	4.95	152.2	5.05
		38.0	107.8	2.94	116.8	3.51	127.2	4.09	138.3	4.61	142.4	4.72	147.9	4.84	152.2	4.93
		45.6	107.8	2.90	116.8	3.47	127.2	4.04	138.3	4.57	142.4	4.68	147.9	4.79	152.2	4.88
	75	12.2	107.8	4.14	116.8	4.80	127.2	5.59	138.3	6.31	142.4	6.45	147.9	6.61	152.2	6.72
		17.8	107.8	4.01	116.8	4.68	127.2	5.45	138.3	6.15	142.4	6.29	147.9	6.45	152.2	6.56
		30.4	107.8	3.73	116.8	4.42	127.2	5.15	138.3	5.79	142.4	5.94	147.9	6.10	152.2	6.21
		38.0	107.8	3.62	116.8	4.32	127.2	5.05	138.3	5.68	142.4	5.83	147.9	5.98	152.2	6.08
		45.6	107.8	3.56	116.8	4.27	127.2	4.99	138.3	5.62	142.4	5.77	147.9	5.92	152.2	6.01
	86	12.2	107.8	4.97	116.8	5.76	127.2	6.71	138.3	7.56	142.4	7.74	147.9	7.93	152.2	8.06
		17.8	107.8	4.82	116.8	5.62	127.2	6.55	138.3	7.37	142.4	7.55	147.9	7.74	152.2	7.88
		30.4	107.8	4.47	116.8	5.30	127.2	6.18	138.3	6.95	142.4	7.13	147.9	7.32	152.2	7.46
		38.0	107.8	4.34	116.8	5.19	127.2	6.05	138.3	6.82	142.4	6.99	147.9	7.17	152.2	7.30
		45.6	107.8	4.28	116.8	5.13	127.2	5.98	138.3	6.75	142.4	6.93	147.9	7.10	152.2	7.21
	95	12.2	97.1	5.01	105.1	5.83	114.5	6.79	124.4	7.64	128.2	7.83	133.2	8.02	136.9	8.15
		17.8	97.1	4.86	105.1	5.69	114.5	6.62	124.4	7.46	128.2	7.64	133.2	7.83	136.9	7.97
		30.4	97.1	4.52	105.1	5.36	114.5	6.25	124.4	7.04	128.2	7.21	133.2	7.40	136.9	7.55
		38.0	97.1	4.40	105.1	5.25	114.5	6.11	124.4	6.89	128.2	7.07	133.2	7.25	136.9	7.37
		45.6	97.1	4.34	105.1	5.19	114.5	6.05	124.4	6.82	128.2	7.01	133.2	7.18	136.9	7.28
	104	12.2	86.2	5.30	93.5	6.15	101.7	7.17	110.6	8.06	114.0	8.25	118.3	8.45	121.7	8.61
		17.8	86.2	5.14	93.5	6.00	101.7	6.99	110.6	7.86	114.0	8.05	118.3	8.25	121.7	8.41
		30.4	86.2	4.77	93.5	5.66	101.7	6.59	110.6	7.42	114.0	7.61	118.3	7.81	121.7	7.96
		38.0	86.2	4.63	93.5	5.54	101.7	6.45	110.6	7.27	114.0	7.46	118.3	7.65	121.7	7.79
		45.6	86.2	4.57	93.5	5.47	101.7	6.38	110.6	7.20	114.0	7.39	118.3	7.57	121.7	7.70
	113	12.2	75.4	5.58	81.9	6.46	89.0	7.54	96.7	8.48	99.7	8.66	103.5	8.88	106.5	9.06
		17.8	75.4	5.40	81.9	6.31	89.0	7.36	96.7	8.27	99.7	8.46	103.5	8.68	106.5	8.85
		30.4	75.4	5.01	81.9	5.96	89.0	6.94	96.7	7.80	99.7	8.01	103.5	8.22	106.5	8.38
		38.0	75.4	4.87	81.9	5.83	89.0	6.78	96.7	7.65	99.7	7.85	103.5	8.05	106.5	8.20
		45.6	75.4	4.79	81.9	5.76	89.0	6.70	96.7	7.58	99.7	7.77	103.5	7.97	106.5	8.11
120	50	12.2	105.4	2.00	114.0	2.33	124.2	2.70	135.0	3.04	139.0	3.13	144.5	3.21	148.5	3.24
		17.8	105.4	1.94	114.0	2.27	124.2	2.64	135.0	2.96	139.0	3.05	144.5	3.12	148.5	3.17
		30.4	105.4	1.79	114.0	2.14	124.2	2.49	135.0	2.79	139.0	2.86	144.5	2.93	148.5	3.00
		38.0	105.4	1.74	114.0	2.07	124.2	2.44	135.0	2.73	139.0	2.82	144.5	2.88	148.5	2.93
		45.6	105.4	1.71	114.0	2.04	124.2	2.41	135.0	2.70	139.0	2.80	144.5	2.85	148.5	2.90
	59	12.2	104.1	2.65	112.7	3.08	122.8	3.58	133.4	4.03	137.4	4.13	142.8	4.23	146.8	4.30
		17.8	104.1	2.57	112.7	3.00	122.8	3.49	133.4	3.93	137.4	4.03	142.8	4.13	146.8	4.20
		30.4	104.1	2.38	112.7	2.83	122.8	3.30	133.4	3.71	137.4	3.80	142.8	3.90	146.8	3.98
		38.0	104.1	2.32	112.7	2.76	122.8	3.23	133.4	3.63	137.4	3.73	142.8	3.82	146.8	3.89
		45.6	104.1	2.28	112.7	2.73	122.8	3.20	133.4	3.59	137.4	3.70	142.8	3.78	146.8	3.84
	67	12.2	103.0	3.23	111.6	3.75	121.6	4.36	132.1	4.91	136.1	5.02	141.3	5.15	145.3	5.24
		17.8	103.0	3.13	111.6	3.65	121.6	4.25	132.1	4.79	136.1	4.90	141.3	5.03	145.3	5.12
		30.4	103.0	2.91	111.6	3.44	121.6	4.01	132.1	4.52	136.1	4.63	141.3	4.76	145.3	4.84
		38.0	103.0	2.83	111.6	3.37	121.6	3.93	132.1	4.43	136.1	4.54	141.3	4.66	145.3	4.73
		45.6	103.0	2.79	111.6	3.34	121.6	3.89	132.1	4.39	136.1	4.50	141.3	4.61	145.3	4.68

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM121DAS5

121,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	12.2	103.0	3.97	111.6	4.61	121.6	5.37	132.1	6.03	136.1	6.18	141.3	6.34	145.3	6.45
		17.8	103.0	3.85	111.6	4.49	121.6	5.23	132.1	5.89	136.1	6.03	141.3	6.19	145.3	6.30
		30.4	103.0	3.58	111.6	4.23	121.6	4.93	132.1	5.56	136.1	5.69	141.3	5.84	145.3	5.96
		38.0	103.0	3.48	111.6	4.14	121.6	4.83	132.1	5.45	136.1	5.58	141.3	5.72	145.3	5.81
		45.6	103.0	3.42	111.6	4.10	121.6	4.78	132.1	5.39	136.1	5.52	141.3	5.67	145.3	5.74
	86	12.2	103.0	4.78	111.6	5.57	121.6	6.49	132.1	7.30	136.1	7.47	141.3	7.66	145.3	7.79
		17.8	103.0	4.64	111.6	5.43	121.6	6.33	132.1	7.12	136.1	7.29	141.3	7.48	145.3	7.61
		30.4	103.0	4.32	111.6	5.12	121.6	5.96	132.1	6.72	136.1	6.88	141.3	7.06	145.3	7.20
		38.0	103.0	4.20	111.6	5.01	121.6	5.84	132.1	6.58	136.1	6.75	141.3	6.93	145.3	7.03
		45.6	103.0	4.14	111.6	4.96	121.6	5.77	132.1	6.52	136.1	6.68	141.3	6.86	145.3	6.94
	95	12.2	94.2	4.91	102.1	5.71	111.2	6.64	120.8	7.48	124.4	7.66	129.3	7.84	132.9	7.99
		17.8	94.2	4.76	102.1	5.57	111.2	6.48	120.8	7.30	124.4	7.47	129.3	7.66	132.9	7.80
		30.4	94.2	4.42	102.1	5.25	111.2	6.11	120.8	6.88	124.4	7.05	129.3	7.24	132.9	7.37
		38.0	94.2	4.30	102.1	5.13	111.2	5.99	120.8	6.75	124.4	6.92	129.3	7.09	132.9	7.21
		45.6	94.2	4.24	102.1	5.08	111.2	5.93	120.8	6.68	124.4	6.85	129.3	7.02	132.9	7.12
	104	12.2	85.5	5.28	92.6	6.14	100.9	7.15	109.7	8.05	113.0	8.24	117.3	8.44	120.6	8.60
		17.8	85.5	5.12	92.6	5.99	100.9	6.97	109.7	7.85	113.0	8.04	117.3	8.24	120.6	8.40
		30.4	85.5	4.77	92.6	5.65	100.9	6.58	109.7	7.41	113.0	7.58	117.3	7.79	120.6	7.94
		38.0	85.5	4.63	92.6	5.52	100.9	6.45	109.7	7.26	113.0	7.45	117.3	7.64	120.6	7.75
		45.6	85.5	4.57	92.6	5.46	100.9	6.38	109.7	7.19	113.0	7.38	117.3	7.57	120.6	7.66
	113	12.2	76.8	5.66	83.1	6.56	90.5	7.66	98.6	8.61	101.5	8.82	105.3	9.04	108.2	9.21
		17.8	76.8	5.49	83.1	6.40	90.5	7.47	98.6	8.40	101.5	8.60	105.3	8.82	108.2	8.99
		30.4	76.8	5.11	83.1	6.05	90.5	7.05	98.6	7.93	101.5	8.12	105.3	8.33	108.2	8.51
		38.0	76.8	4.97	83.1	5.91	90.5	6.91	98.6	7.77	101.5	7.99	105.3	8.19	108.2	8.30
		45.6	76.8	4.89	83.1	5.85	90.5	6.83	98.6	7.70	101.5	7.92	105.3	8.11	108.2	8.19
110	50	12.2	99.3	1.88	107.7	2.18	117.2	2.56	127.3	2.87	131.0	2.93	136.3	3.02	139.9	3.06
		17.8	99.3	1.82	107.7	2.13	117.2	2.49	127.3	2.80	131.0	2.87	136.3	2.95	139.9	2.99
		30.4	99.3	1.70	107.7	2.01	117.2	2.34	127.3	2.64	131.0	2.72	136.3	2.78	139.9	2.82
		38.0	99.3	1.65	107.7	1.96	117.2	2.28	127.3	2.60	131.0	2.64	136.3	2.73	139.9	2.76
		45.6	99.3	1.63	107.7	1.94	117.2	2.26	127.3	2.58	131.0	2.60	136.3	2.70	139.9	2.73
	59	12.2	98.7	2.52	107.0	2.93	116.5	3.42	126.6	3.85	130.3	3.94	135.4	4.04	139.2	4.11
		17.8	98.7	2.44	107.0	2.86	116.5	3.33	126.6	3.75	130.3	3.84	135.4	3.94	139.2	4.01
		30.4	98.7	2.27	107.0	2.70	116.5	3.14	126.6	3.54	130.3	3.63	135.4	3.72	139.2	3.79
		38.0	98.7	2.22	107.0	2.64	116.5	3.07	126.6	3.48	130.3	3.55	135.4	3.65	139.2	3.70
		45.6	98.7	2.19	107.0	2.61	116.5	3.04	126.6	3.44	130.3	3.51	135.4	3.62	139.2	3.65
	67	12.2	98.2	3.09	106.3	3.60	115.8	4.19	125.9	4.72	129.7	4.83	134.7	4.95	138.5	5.04
		17.8	98.2	2.99	106.3	3.51	115.8	4.09	125.9	4.60	129.7	4.71	134.7	4.83	138.5	4.92
		30.4	98.2	2.78	106.3	3.31	115.8	3.85	125.9	4.34	129.7	4.44	134.7	4.56	138.5	4.64
		38.0	98.2	2.72	106.3	3.24	115.8	3.78	125.9	4.25	129.7	4.37	134.7	4.48	138.5	4.53
		45.6	98.2	2.68	106.3	3.21	115.8	3.74	125.9	4.21	129.7	4.33	134.7	4.44	138.5	4.48
	75	12.2	98.2	3.78	106.3	4.40	115.8	5.13	125.9	5.77	129.7	5.91	134.7	6.05	138.5	6.17
		17.8	98.2	3.67	106.3	4.29	115.8	5.00	125.9	5.63	129.7	5.77	134.7	5.91	138.5	6.02
		30.4	98.2	3.42	106.3	4.05	115.8	4.72	125.9	5.31	129.7	5.45	134.7	5.58	138.5	5.69
		38.0	98.2	3.32	106.3	3.97	115.8	4.62	125.9	5.21	129.7	5.34	134.7	5.48	138.5	5.55
		45.6	98.2	3.27	106.3	3.92	115.8	4.57	125.9	5.16	129.7	5.28	134.7	5.43	138.5	5.47
	86	12.2	98.2	4.61	106.3	5.37	115.8	6.25	125.9	7.04	129.7	7.21	134.7	7.38	138.5	7.51
		17.8	98.2	4.47	106.3	5.23	115.8	6.10	125.9	6.86	129.7	7.03	134.7	7.20	138.5	7.33
		30.4	98.2	4.17	106.3	4.93	115.8	5.75	125.9	6.47	129.7	6.64	134.7	6.81	138.5	6.93
		38.0	98.2	4.05	106.3	4.83	115.8	5.64	125.9	6.35	129.7	6.50	134.7	6.67	138.5	6.76
		45.6	98.2	4.00	106.3	4.78	115.8	5.58	125.9	6.29	129.7	6.44	134.7	6.60	138.5	6.68
	95	12.2	91.5	4.81	99.1	5.58	108.0	6.50	117.3	7.32	120.8	7.49	125.6	7.67	129.1	7.82
		17.8	91.5	4.66	99.1	5.44	108.0	6.34	117.3	7.14	120.8	7.31	125.6	7.49	129.1	7.63
		30.4	91.5	4.33	99.1	5.13	108.0	5.98	117.3	6.74	120.8	6.89	125.6	7.07	129.1	7.21
		38.0	91.5	4.21	99.1	5.02	108.0	5.86	117.3	6.60	120.8	6.77	125.6	6.94	129.1	7.03
		45.6	91.5	4.15	99.1	4.97	108.0	5.80	117.3	6.54	120.8	6.71	125.6	6.87	129.1	6.94

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	12.2	84.8	5.27	91.9	6.14	100.0	7.14	108.7	8.04	112.0	8.23	116.3	8.43	119.6	8.59
		17.8	84.8	5.11	91.9	5.99	100.0	6.96	108.7	7.84	112.0	8.03	116.3	8.23	119.6	8.38
		30.4	84.8	4.76	91.9	5.64	100.0	6.57	108.7	7.40	112.0	7.57	116.3	7.77	119.6	7.92
		38.0	84.8	4.62	91.9	5.51	100.0	6.44	108.7	7.25	112.0	7.44	116.3	7.63	119.6	7.72
		45.6	84.8	4.55	91.9	5.45	100.0	6.37	108.7	7.18	112.0	7.37	116.3	7.56	119.6	7.62
	113	12.2	78.0	5.74	84.6	6.70	92.0	7.79	100.1	8.75	103.1	8.96	107.1	9.19	110.1	9.36
		17.8	78.0	5.57	84.6	6.53	92.0	7.60	100.1	8.53	103.1	8.74	107.1	8.97	110.1	9.14
		30.4	78.0	5.18	84.6	6.14	92.0	7.16	100.1	8.05	103.1	8.25	107.1	8.48	110.1	8.63
		38.0	78.0	5.03	84.6	6.00	92.0	7.02	100.1	7.90	103.1	8.11	107.1	8.32	110.1	8.41
		45.6	78.0	4.96	84.6	5.94	92.0	6.94	100.1	7.82	103.1	8.04	107.1	8.24	110.1	8.30
100	50	12.2	93.4	1.78	101.1	2.07	110.1	2.38	119.7	2.71	123.3	2.75	128.1	2.84	131.7	2.90
		17.8	93.4	1.73	101.1	2.02	110.1	2.33	119.7	2.65	123.3	2.69	128.1	2.77	131.7	2.83
		30.4	93.4	1.61	101.1	1.90	110.1	2.21	119.7	2.50	123.3	2.55	128.1	2.61	131.7	2.67
		38.0	93.4	1.55	101.1	1.85	110.1	2.15	119.7	2.44	123.3	2.50	128.1	2.56	131.7	2.58
		45.6	93.4	1.53	101.1	1.83	110.1	2.13	119.7	2.42	123.3	2.47	128.1	2.53	131.7	2.54
	59	12.2	93.4	2.41	101.1	2.80	110.1	3.25	119.7	3.67	123.3	3.75	128.1	3.85	131.7	3.92
		17.8	93.4	2.34	101.1	2.73	110.1	3.17	119.7	3.58	123.3	3.66	128.1	3.75	131.7	3.82
		30.4	93.4	2.17	101.1	2.57	110.1	3.00	119.7	3.37	123.3	3.45	128.1	3.54	131.7	3.61
		38.0	93.4	2.11	101.1	2.52	110.1	2.93	119.7	3.31	123.3	3.39	128.1	3.48	131.7	3.51
		45.6	93.4	2.07	101.1	2.49	110.1	2.90	119.7	3.27	123.3	3.35	128.1	3.44	131.7	3.46
	67	12.2	93.4	2.97	101.1	3.44	110.1	4.02	119.7	4.52	123.3	4.63	128.1	4.74	131.7	4.82
		17.8	93.4	2.88	101.1	3.36	110.1	3.92	119.7	4.41	123.3	4.51	128.1	4.63	131.7	4.70
		30.4	93.4	2.67	101.1	3.17	110.1	3.70	119.7	4.15	123.3	4.25	128.1	4.37	131.7	4.44
		38.0	93.4	2.60	101.1	3.11	110.1	3.62	119.7	4.08	123.3	4.18	128.1	4.29	131.7	4.33
		45.6	93.4	2.56	101.1	3.07	110.1	3.58	119.7	4.04	123.3	4.14	128.1	4.25	131.7	4.28
	75	12.2	93.4	3.61	101.1	4.20	110.1	4.89	119.7	5.51	123.3	5.65	128.1	5.78	131.7	5.88
		17.8	93.4	3.50	101.1	4.10	110.1	4.77	119.7	5.37	123.3	5.51	128.1	5.64	131.7	5.74
		30.4	93.4	3.26	101.1	3.86	110.1	4.50	119.7	5.07	123.3	5.19	128.1	5.32	131.7	5.42
		38.0	93.4	3.17	101.1	3.79	110.1	4.41	119.7	4.97	123.3	5.09	128.1	5.22	131.7	5.28
		45.6	93.4	3.13	101.1	3.75	110.1	4.37	119.7	4.92	123.3	5.04	128.1	5.17	131.7	5.21
	86	12.2	93.4	4.44	101.1	5.17	110.1	6.02	119.7	6.78	123.3	6.94	128.1	7.11	131.7	7.24
		17.8	93.4	4.31	101.1	5.04	110.1	5.87	119.7	6.61	123.3	6.77	128.1	6.94	131.7	7.06
		30.4	93.4	4.01	101.1	4.76	110.1	5.54	119.7	6.24	123.3	6.38	128.1	6.55	131.7	6.67
		38.0	93.4	3.90	101.1	4.66	110.1	5.42	119.7	6.11	123.3	6.27	128.1	6.43	131.7	6.49
		45.6	93.4	3.84	101.1	4.61	110.1	5.37	119.7	6.05	123.3	6.21	128.1	6.36	131.7	6.40
	95	12.2	88.7	4.69	96.1	5.46	104.6	6.35	113.7	7.15	117.1	7.32	121.7	7.50	125.1	7.64
		17.8	88.7	4.55	96.1	5.32	104.6	6.20	113.7	6.97	117.1	7.14	121.7	7.32	125.1	7.46
		30.4	88.7	4.23	96.1	5.02	104.6	5.85	113.7	6.58	117.1	6.74	121.7	6.92	125.1	7.04
		38.0	88.7	4.12	96.1	4.91	104.6	5.72	113.7	6.46	117.1	6.62	121.7	6.78	125.1	6.85
		45.6	88.7	4.06	96.1	4.86	104.6	5.66	113.7	6.40	117.1	6.55	121.7	6.72	125.1	6.75
	104	12.2	84.0	5.27	91.0	6.12	99.1	7.13	107.7	8.03	111.0	8.22	115.3	8.42	118.5	8.57
		17.8	84.0	5.11	91.0	5.97	99.1	6.95	107.7	7.83	111.0	8.02	115.3	8.21	118.5	8.36
		30.4	84.0	4.74	91.0	5.64	99.1	6.56	107.7	7.38	111.0	7.56	115.3	7.75	118.5	7.90
		38.0	84.0	4.62	91.0	5.51	99.1	6.43	107.7	7.24	111.0	7.42	115.3	7.61	118.5	7.69
		45.6	84.0	4.56	91.0	5.45	99.1	6.36	107.7	7.17	111.0	7.34	115.3	7.53	118.5	7.58
	113	12.2	79.3	5.86	85.9	6.79	93.6	7.91	101.7	8.90	104.8	9.11	109.0	9.34	111.8	9.49
		17.8	79.3	5.68	85.9	6.62	93.6	7.71	101.7	8.68	104.8	8.89	109.0	9.11	111.8	9.26
		30.4	79.3	5.26	85.9	6.25	93.6	7.27	101.7	8.19	104.8	8.39	109.0	8.59	111.8	8.75
		38.0	79.3	5.12	85.9	6.11	93.6	7.13	101.7	8.02	104.8	8.22	109.0	8.43	111.8	8.52
		45.6	79.3	5.06	85.9	6.05	93.6	7.06	101.7	7.94	104.8	8.14	109.0	8.35	111.8	8.40
90	50	12.2	84.0	1.52	91.0	1.76	99.1	2.06	107.7	2.33	111.0	2.37	115.3	2.42	118.5	2.50
		17.8	84.0	1.48	91.0	1.72	99.1	2.01	107.7	2.28	111.0	2.32	115.3	2.37	118.5	2.44
		30.4	84.0	1.38	91.0	1.64	99.1	1.90	107.7	2.16	111.0	2.20	115.3	2.26	118.5	2.29
		38.0	84.0	1.34	91.0	1.58	99.1	1.86	107.7	2.09	111.0	2.15	115.3	2.22	118.5	2.22
		45.6	84.0	1.32	91.0	1.56	99.1	1.85	107.7	2.05	111.0	2.13	115.3	2.20	118.5	2.18

TC = Total Capacity (MBh).  
 PI = Power Input (kW) (includes compressor and controls).  
 The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM121DAS5

121,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	12.2	84.0	2.07	91.0	2.40	99.1	2.80	107.7	3.16	111.0	3.22	115.3	3.30	118.5	3.37
		17.8	84.0	2.01	91.0	2.34	99.1	2.73	107.7	3.08	111.0	3.14	115.3	3.22	118.5	3.29
		30.4	84.0	1.87	91.0	2.22	99.1	2.57	107.7	2.91	111.0	2.97	115.3	3.05	118.5	3.11
		38.0	84.0	1.82	91.0	2.16	99.1	2.53	107.7	2.84	111.0	2.92	115.3	3.00	118.5	3.02
		45.6	84.0	1.79	91.0	2.13	99.1	2.51	107.7	2.81	111.0	2.89	115.3	2.97	118.5	2.97
	67	12.2	84.0	2.56	91.0	2.97	99.1	3.45	107.7	3.90	111.0	3.99	115.3	4.09	118.5	4.15
		17.8	84.0	2.48	91.0	2.90	99.1	3.36	107.7	3.80	111.0	3.89	115.3	3.99	118.5	4.05
		30.4	84.0	2.31	91.0	2.73	99.1	3.17	107.7	3.58	111.0	3.66	115.3	3.75	118.5	3.83
		38.0	84.0	2.24	91.0	2.67	99.1	3.12	107.7	3.51	111.0	3.60	115.3	3.69	118.5	3.73
		45.6	84.0	2.21	91.0	2.65	99.1	3.09	107.7	3.47	111.0	3.56	115.3	3.65	118.5	3.68
	75	12.2	84.0	3.11	91.0	3.62	99.1	4.21	107.7	4.74	111.0	4.86	115.3	4.98	118.5	5.07
		17.8	84.0	3.02	91.0	3.53	99.1	4.11	107.7	4.63	111.0	4.74	115.3	4.86	118.5	4.95
		30.4	84.0	2.81	91.0	3.33	99.1	3.88	107.7	4.37	111.0	4.47	115.3	4.59	118.5	4.67
		38.0	84.0	2.73	91.0	3.25	99.1	3.80	107.7	4.28	111.0	4.39	115.3	4.50	118.5	4.54
		45.6	84.0	2.69	91.0	3.21	99.1	3.76	107.7	4.23	111.0	4.35	115.3	4.45	118.5	4.48
	86	12.2	84.0	3.83	91.0	4.45	99.1	5.19	107.7	5.84	111.0	5.98	115.3	6.12	118.5	6.24
		17.8	84.0	3.71	91.0	4.34	99.1	5.06	107.7	5.70	111.0	5.83	115.3	5.97	118.5	6.09
		30.4	84.0	3.45	91.0	4.09	99.1	4.77	107.7	5.37	111.0	5.50	115.3	5.64	118.5	5.74
		38.0	84.0	3.35	91.0	4.01	99.1	4.67	107.7	5.27	111.0	5.39	115.3	5.54	118.5	5.59
		45.6	84.0	3.30	91.0	3.97	99.1	4.62	107.7	5.22	111.0	5.33	115.3	5.48	118.5	5.52
	95	12.2	81.8	4.14	88.5	4.80	96.4	5.59	104.7	6.29	107.8	6.44	112.1	6.60	115.2	6.72
		17.8	81.8	4.01	88.5	4.68	96.4	5.45	104.7	6.14	107.8	6.28	112.1	6.44	115.2	6.56
		30.4	81.8	3.72	88.5	4.41	96.4	5.15	104.7	5.79	107.8	5.93	112.1	6.08	115.2	6.19
		38.0	81.8	3.62	88.5	4.32	96.4	5.03	104.7	5.68	107.8	5.83	112.1	5.97	115.2	6.03
		45.6	81.8	3.57	88.5	4.28	96.4	4.98	104.7	5.62	107.8	5.77	112.1	5.91	115.2	5.94
	104	12.2	79.4	4.75	86.0	5.51	93.6	6.42	101.7	7.24	104.8	7.40	108.8	7.58	112.0	7.72
		17.8	79.4	4.61	86.0	5.37	93.6	6.26	101.7	7.06	104.8	7.22	108.8	7.40	112.0	7.54
		30.4	79.4	4.28	86.0	5.07	93.6	5.91	101.7	6.65	104.8	6.82	108.8	6.98	112.0	7.12
		38.0	79.4	4.15	86.0	4.97	93.6	5.79	101.7	6.53	104.8	6.68	108.8	6.86	112.0	6.93
		45.6	79.4	4.09	86.0	4.92	93.6	5.73	101.7	6.47	104.8	6.62	108.8	6.80	112.0	6.83
	113	12.2	77.0	5.36	83.5	6.23	90.9	7.24	98.7	8.18	101.9	8.36	105.6	8.57	108.7	8.71
		17.8	77.0	5.20	83.5	6.07	90.9	7.07	98.7	7.97	101.9	8.16	105.6	8.36	108.7	8.50
		30.4	77.0	4.83	83.5	5.72	90.9	6.68	98.7	7.51	101.9	7.71	105.6	7.89	108.7	8.04
		38.0	77.0	4.69	83.5	5.61	90.9	6.55	98.7	7.37	101.9	7.54	105.6	7.75	108.7	7.83
		45.6	77.0	4.62	83.5	5.56	90.9	6.48	98.7	7.31	101.9	7.46	105.6	7.68	108.7	7.72
80	50	12.2	74.6	1.30	80.9	1.47	88.1	1.72	95.7	1.97	98.6	1.99	102.5	2.05	105.3	2.07
		17.8	74.6	1.25	80.9	1.44	88.1	1.68	95.7	1.91	98.6	1.94	102.5	1.99	105.3	2.02
		30.4	74.6	1.15	80.9	1.38	88.1	1.60	95.7	1.79	98.6	1.84	102.5	1.87	105.3	1.91
		38.0	74.6	1.14	80.9	1.34	88.1	1.56	95.7	1.76	98.6	1.79	102.5	1.84	105.3	1.86
		45.6	74.6	1.13	80.9	1.32	88.1	1.55	95.7	1.74	98.6	1.76	102.5	1.83	105.3	1.84
	59	12.2	74.6	1.74	80.9	2.01	88.1	2.34	95.7	2.65	98.6	2.70	102.5	2.77	105.3	2.82
		17.8	74.6	1.68	80.9	1.96	88.1	2.28	95.7	2.58	98.6	2.64	102.5	2.70	105.3	2.75
		30.4	74.6	1.56	80.9	1.86	88.1	2.16	95.7	2.43	98.6	2.49	102.5	2.55	105.3	2.60
		38.0	74.6	1.53	80.9	1.82	88.1	2.12	95.7	2.38	98.6	2.44	102.5	2.51	105.3	2.53
		45.6	74.6	1.51	80.9	1.79	88.1	2.09	95.7	2.36	98.6	2.41	102.5	2.48	105.3	2.49
	67	12.2	74.6	2.14	80.9	2.49	88.1	2.90	95.7	3.26	98.6	3.34	102.5	3.42	105.3	3.49
		17.8	74.6	2.08	80.9	2.43	88.1	2.83	95.7	3.18	98.6	3.26	102.5	3.34	105.3	3.40
		30.4	74.6	1.93	80.9	2.28	88.1	2.66	95.7	3.00	98.6	3.07	102.5	3.15	105.3	3.21
		38.0	74.6	1.87	80.9	2.24	88.1	2.61	95.7	2.94	98.6	3.02	102.5	3.10	105.3	3.12
		45.6	74.6	1.84	80.9	2.22	88.1	2.58	95.7	2.91	98.6	2.99	102.5	3.07	105.3	3.07
	75	12.2	74.6	2.62	80.9	3.04	88.1	3.53	95.7	3.97	98.6	4.08	102.5	4.18	105.3	4.24
		17.8	74.6	2.54	80.9	2.96	88.1	3.44	95.7	3.87	98.6	3.98	102.5	4.08	105.3	4.14
		30.4	74.6	2.35	80.9	2.78	88.1	3.25	95.7	3.66	98.6	3.74	102.5	3.84	105.3	3.91
		38.0	74.6	2.28	80.9	2.73	88.1	3.19	95.7	3.59	98.6	3.68	102.5	3.78	105.3	3.81
		45.6	74.6	2.25	80.9	2.70	88.1	3.15	95.7	3.55	98.6	3.64	102.5	3.74	105.3	3.76

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



### 121,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	12.2	74.6	3.20	80.9	3.72	88.1	4.35	95.7	4.89	98.6	5.00	102.5	5.13	105.3	5.23
		17.8	74.6	3.11	80.9	3.63	88.1	4.24	95.7	4.77	98.6	4.88	102.5	5.00	105.3	5.10
		30.4	74.6	2.90	80.9	3.43	88.1	4.00	95.7	4.50	98.6	4.61	102.5	4.72	105.3	4.81
		38.0	74.6	2.82	80.9	3.35	88.1	3.91	95.7	4.41	98.6	4.52	102.5	4.63	105.3	4.69
		45.6	74.6	2.78	80.9	3.31	88.1	3.86	95.7	4.37	98.6	4.48	102.5	4.59	105.3	4.63
	95	12.2	74.6	3.57	80.9	4.14	88.1	4.82	95.7	5.43	98.6	5.57	102.5	5.71	105.3	5.81
		17.8	74.6	3.46	80.9	4.04	88.1	4.70	95.7	5.30	98.6	5.43	102.5	5.57	105.3	5.67
		30.4	74.6	3.22	80.9	3.81	88.1	4.44	95.7	5.00	98.6	5.12	102.5	5.25	105.3	5.35
		38.0	74.6	3.13	80.9	3.73	88.1	4.35	95.7	4.90	98.6	5.02	102.5	5.16	105.3	5.20
		45.6	74.6	3.08	80.9	3.69	88.1	4.31	95.7	4.85	98.6	4.97	102.5	5.11	105.3	5.13
	104	12.2	74.6	4.23	80.9	4.92	88.1	5.72	95.7	6.44	98.6	6.59	102.5	6.76	105.3	6.87
		17.8	74.6	4.10	80.9	4.79	88.1	5.58	95.7	6.28	98.6	6.43	102.5	6.59	105.3	6.70
		30.4	74.6	3.81	80.9	4.51	88.1	5.26	95.7	5.93	98.6	6.06	102.5	6.21	105.3	6.33
		38.0	74.6	3.70	80.9	4.42	88.1	5.15	95.7	5.80	98.6	5.95	102.5	6.10	105.3	6.16
		45.6	74.6	3.64	80.9	4.38	88.1	5.09	95.7	5.74	98.6	5.89	102.5	6.05	105.3	6.08
	113	12.2	74.6	4.89	80.9	5.69	88.1	6.61	95.7	7.45	98.6	7.61	102.5	7.81	105.3	7.93
		17.8	74.6	4.74	80.9	5.54	88.1	6.44	95.7	7.27	98.6	7.42	102.5	7.62	105.3	7.74
		30.4	74.6	4.40	80.9	5.21	88.1	6.07	95.7	6.85	98.6	6.99	102.5	7.18	105.3	7.31
		38.0	74.6	4.27	80.9	5.11	88.1	5.94	95.7	6.70	98.6	6.87	102.5	7.05	105.3	7.12
		45.6	74.6	4.20	80.9	5.06	88.1	5.87	95.7	6.63	98.6	6.81	102.5	6.98	105.3	7.02
70	50	12.2	65.4	1.06	70.8	1.23	77.1	1.42	83.8	1.61	86.2	1.67	89.6	1.71	92.1	1.72
		17.8	65.4	1.03	70.8	1.20	77.1	1.39	83.8	1.58	86.2	1.63	89.6	1.67	92.1	1.68
		30.4	65.4	0.96	70.8	1.12	77.1	1.32	83.8	1.50	86.2	1.53	89.6	1.58	92.1	1.60
		38.0	65.4	0.94	70.8	1.10	77.1	1.30	83.8	1.46	86.2	1.49	89.6	1.53	92.1	1.55
		45.6	65.4	0.93	70.8	1.09	77.1	1.29	83.8	1.43	86.2	1.47	89.6	1.51	92.1	1.53
	59	12.2	65.4	1.44	70.8	1.68	77.1	1.95	83.8	2.19	86.2	2.25	89.6	2.31	92.1	2.34
		17.8	65.4	1.40	70.8	1.64	77.1	1.90	83.8	2.14	86.2	2.19	89.6	2.25	92.1	2.28
		30.4	65.4	1.30	70.8	1.54	77.1	1.79	83.8	2.03	86.2	2.07	89.6	2.13	92.1	2.16
		38.0	65.4	1.27	70.8	1.50	77.1	1.76	83.8	1.98	86.2	2.03	89.6	2.08	92.1	2.11
		45.6	65.4	1.25	70.8	1.49	77.1	1.74	83.8	1.96	86.2	2.00	89.6	2.06	92.1	2.08
	67	12.2	65.4	1.79	70.8	2.07	77.1	2.41	83.8	2.72	86.2	2.77	89.6	2.84	92.1	2.90
		17.8	65.4	1.73	70.8	2.02	77.1	2.35	83.8	2.65	86.2	2.70	89.6	2.77	92.1	2.83
		30.4	65.4	1.60	70.8	1.90	77.1	2.22	83.8	2.49	86.2	2.55	89.6	2.62	92.1	2.66
		38.0	65.4	1.56	70.8	1.86	77.1	2.17	83.8	2.45	86.2	2.51	89.6	2.57	92.1	2.60
		45.6	65.4	1.54	70.8	1.84	77.1	2.15	83.8	2.43	86.2	2.48	89.6	2.55	92.1	2.56
	75	12.2	65.4	2.17	70.8	2.53	77.1	2.93	83.8	3.31	86.2	3.38	89.6	3.46	92.1	3.53
		17.8	65.4	2.11	70.8	2.47	77.1	2.86	83.8	3.23	86.2	3.30	89.6	3.38	92.1	3.44
		30.4	65.4	1.96	70.8	2.32	77.1	2.71	83.8	3.04	86.2	3.12	89.6	3.20	92.1	3.25
		38.0	65.4	1.90	70.8	2.27	77.1	2.65	83.8	2.98	86.2	3.05	89.6	3.13	92.1	3.16
		45.6	65.4	1.88	70.8	2.25	77.1	2.62	83.8	2.96	86.2	3.02	89.6	3.10	92.1	3.12
	86	12.2	65.4	2.67	70.8	3.10	77.1	3.61	83.8	4.06	86.2	4.17	89.6	4.27	92.1	4.35
		17.8	65.4	2.59	70.8	3.02	77.1	3.52	83.8	3.96	86.2	4.07	89.6	4.17	92.1	4.24
		30.4	65.4	2.41	70.8	2.85	77.1	3.32	83.8	3.74	86.2	3.83	89.6	3.93	92.1	4.00
		38.0	65.4	2.34	70.8	2.80	77.1	3.25	83.8	3.66	86.2	3.76	89.6	3.85	92.1	3.90
		45.6	65.4	2.31	70.8	2.77	77.1	3.22	83.8	3.63	86.2	3.73	89.6	3.81	92.1	3.85
	95	12.2	65.4	2.97	70.8	3.44	77.1	4.02	83.8	4.52	86.2	4.63	89.6	4.74	92.1	4.82
		17.8	65.4	2.88	70.8	3.36	77.1	3.92	83.8	4.41	86.2	4.51	89.6	4.63	92.1	4.70
		30.4	65.4	2.67	70.8	3.17	77.1	3.69	83.8	4.15	86.2	4.25	89.6	4.37	92.1	4.44
		38.0	65.4	2.60	70.8	3.10	77.1	3.62	83.8	4.08	86.2	4.18	89.6	4.29	92.1	4.33
		45.6	65.4	2.56	70.8	3.06	77.1	3.59	83.8	4.04	86.2	4.14	89.6	4.25	92.1	4.28
	104	12.2	65.4	3.51	70.8	4.07	77.1	4.75	83.8	5.36	86.2	5.48	89.6	5.61	92.1	5.71
		17.8	65.4	3.40	70.8	3.97	77.1	4.64	83.8	5.22	86.2	5.35	89.6	5.47	92.1	5.57
		30.4	65.4	3.16	70.8	3.75	77.1	4.38	83.8	4.92	86.2	5.05	89.6	5.17	92.1	5.27
		38.0	65.4	3.07	70.8	3.68	77.1	4.28	83.8	4.82	86.2	4.95	89.6	5.08	92.1	5.12
		45.6	65.4	3.03	70.8	3.64	77.1	4.23	83.8	4.77	86.2	4.89	89.6	5.03	92.1	5.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM121DAS5

121,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	12.2	65.4	4.06	70.8	4.71	77.1	5.49	83.8	6.19	86.2	6.32	89.6	6.49	92.1	6.61
		17.8	65.4	3.93	70.8	4.59	77.1	5.36	83.8	6.04	86.2	6.17	89.6	6.33	92.1	6.45
		30.4	65.4	3.65	70.8	4.33	77.1	5.07	83.8	5.69	86.2	5.84	89.6	5.97	92.1	6.09
		38.0	65.4	3.55	70.8	4.25	77.1	4.93	83.8	5.57	86.2	5.71	89.6	5.87	92.1	5.91
		45.6	65.4	3.50	70.8	4.22	77.1	4.87	83.8	5.51	86.2	5.65	89.6	5.82	92.1	5.82
60	50	12.2	56.0	0.84	60.7	0.98	66.0	1.13	71.8	1.30	74.0	1.33	76.9	1.35	79.0	1.37
		17.8	56.0	0.82	60.7	0.96	66.0	1.11	71.8	1.27	74.0	1.29	76.9	1.32	79.0	1.34
		30.4	56.0	0.76	60.7	0.90	66.0	1.06	71.8	1.19	74.0	1.21	76.9	1.25	79.0	1.28
		38.0	56.0	0.73	60.7	0.89	66.0	1.04	71.8	1.17	74.0	1.19	76.9	1.22	79.0	1.24
		45.6	56.0	0.71	60.7	0.88	66.0	1.03	71.8	1.16	74.0	1.18	76.9	1.20	79.0	1.23
	59	12.2	56.0	1.15	60.7	1.34	66.0	1.55	71.8	1.75	74.0	1.80	76.9	1.83	79.0	1.87
		17.8	56.0	1.12	60.7	1.31	66.0	1.52	71.8	1.71	74.0	1.75	76.9	1.79	79.0	1.83
		30.4	56.0	1.04	60.7	1.23	66.0	1.44	71.8	1.61	74.0	1.65	76.9	1.69	79.0	1.73
		38.0	56.0	1.00	60.7	1.20	66.0	1.40	71.8	1.58	74.0	1.61	76.9	1.66	79.0	1.68
		45.6	56.0	0.99	60.7	1.19	66.0	1.39	71.8	1.56	74.0	1.60	76.9	1.64	79.0	1.66
	67	12.2	56.0	1.42	60.7	1.65	66.0	1.92	71.8	2.16	74.0	2.22	76.9	2.26	79.0	2.31
		17.8	56.0	1.38	60.7	1.61	66.0	1.87	71.8	2.11	74.0	2.16	76.9	2.20	79.0	2.25
		30.4	56.0	1.28	60.7	1.51	66.0	1.77	71.8	1.99	74.0	2.04	76.9	2.08	79.0	2.13
		38.0	56.0	1.25	60.7	1.48	66.0	1.73	71.8	1.95	74.0	1.99	76.9	2.05	79.0	2.07
		45.6	56.0	1.23	60.7	1.46	66.0	1.70	71.8	1.93	74.0	1.97	76.9	2.03	79.0	2.04
	75	12.2	56.0	1.73	60.7	2.02	66.0	2.34	71.8	2.64	74.0	2.69	76.9	2.76	79.0	2.82
		17.8	56.0	1.68	60.7	1.97	66.0	2.28	71.8	2.58	74.0	2.63	76.9	2.70	79.0	2.75
		30.4	56.0	1.56	60.7	1.85	66.0	2.15	71.8	2.43	74.0	2.48	76.9	2.55	79.0	2.60
		38.0	56.0	1.51	60.7	1.80	66.0	2.11	71.8	2.37	74.0	2.44	76.9	2.49	79.0	2.53
		45.6	56.0	1.49	60.7	1.78	66.0	2.08	71.8	2.34	74.0	2.42	76.9	2.47	79.0	2.49
	86	12.2	56.0	2.12	60.7	2.47	66.0	2.87	71.8	3.24	74.0	3.32	76.9	3.39	79.0	3.46
		17.8	56.0	2.06	60.7	2.41	66.0	2.80	71.8	3.16	74.0	3.24	76.9	3.31	79.0	3.38
		30.4	56.0	1.92	60.7	2.27	66.0	2.65	71.8	2.98	74.0	3.05	76.9	3.13	79.0	3.19
		38.0	56.0	1.86	60.7	2.23	66.0	2.60	71.8	2.93	74.0	3.00	76.9	3.07	79.0	3.11
		45.6	56.0	1.83	60.7	2.21	66.0	2.57	71.8	2.90	74.0	2.97	76.9	3.05	79.0	3.07
	95	12.2	56.0	2.36	60.7	2.75	66.0	3.21	71.8	3.60	74.0	3.69	76.9	3.78	79.0	3.85
		17.8	56.0	2.29	60.7	2.68	66.0	3.13	71.8	3.51	74.0	3.60	76.9	3.69	79.0	3.75
		30.4	56.0	2.13	60.7	2.53	66.0	2.94	71.8	3.32	74.0	3.40	76.9	3.48	79.0	3.54
		38.0	56.0	2.07	60.7	2.47	66.0	2.88	71.8	3.25	74.0	3.33	76.9	3.42	79.0	3.45
		45.6	56.0	2.04	60.7	2.44	66.0	2.86	71.8	3.22	74.0	3.30	76.9	3.39	79.0	3.41
	104	12.2	56.0	2.79	60.7	3.25	66.0	3.79	71.8	4.27	74.0	4.37	76.9	4.47	79.0	4.56
		17.8	56.0	2.71	60.7	3.17	66.0	3.70	71.8	4.16	74.0	4.26	76.9	4.36	79.0	4.45
		30.4	56.0	2.53	60.7	3.00	66.0	3.49	71.8	3.92	74.0	4.02	76.9	4.12	79.0	4.20
		38.0	56.0	2.45	60.7	2.93	66.0	3.42	71.8	3.84	74.0	3.94	76.9	4.04	79.0	4.09
		45.6	56.0	2.41	60.7	2.90	66.0	3.39	71.8	3.80	74.0	3.90	76.9	4.00	79.0	4.03
	113	12.2	56.0	3.22	60.7	3.74	66.0	4.38	71.8	4.94	74.0	5.05	76.9	5.16	79.0	5.27
		17.8	56.0	3.13	60.7	3.65	66.0	4.27	71.8	4.81	74.0	4.92	76.9	5.04	79.0	5.14
		30.4	56.0	2.93	60.7	3.46	66.0	4.03	71.8	4.52	74.0	4.64	76.9	4.77	79.0	4.86
		38.0	56.0	2.83	60.7	3.39	66.0	3.95	71.8	4.43	74.0	4.56	76.9	4.67	79.0	4.72
		45.6	56.0	2.78	60.7	3.35	66.0	3.91	71.8	4.39	74.0	4.51	76.9	4.62	79.0	4.66
50	50	12.2	46.7	0.62	50.6	0.73	55.0	0.88	59.9	0.96	61.7	0.97	64.0	1.02	65.8	1.02
		17.8	46.7	0.61	50.6	0.71	55.0	0.85	59.9	0.94	61.7	0.95	64.0	0.99	65.8	1.00
		30.4	46.7	0.60	50.6	0.68	55.0	0.79	59.9	0.89	61.7	0.92	64.0	0.92	65.8	0.94
		38.0	46.7	0.60	50.6	0.68	55.0	0.77	59.9	0.87	61.7	0.88	64.0	0.91	65.8	0.91
		45.6	46.7	0.60	50.6	0.68	55.0	0.76	59.9	0.86	61.7	0.85	64.0	0.91	65.8	0.89
	59	12.2	46.7	0.85	50.6	1.00	55.0	1.17	59.9	1.30	61.7	1.33	64.0	1.37	65.8	1.39
		17.8	46.7	0.83	50.6	0.97	55.0	1.14	59.9	1.27	61.7	1.30	64.0	1.34	65.8	1.36
		30.4	46.7	0.77	50.6	0.91	55.0	1.07	59.9	1.20	61.7	1.24	64.0	1.26	65.8	1.28
		38.0	46.7	0.75	50.6	0.90	55.0	1.05	59.9	1.18	61.7	1.20	64.0	1.24	65.8	1.25
		45.6	46.7	0.74	50.6	0.90	55.0	1.04	59.9	1.17	61.7	1.19	64.0	1.23	65.8	1.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 121,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	12.2	46.7	1.06	50.6	1.24	55.0	1.43	59.9	1.61	61.7	1.65	64.0	1.68	65.8	1.72
		17.8	46.7	1.03	50.6	1.20	55.0	1.39	59.9	1.57	61.7	1.61	64.0	1.64	65.8	1.68
		30.4	46.7	0.96	50.6	1.12	55.0	1.31	59.9	1.48	61.7	1.51	64.0	1.56	65.8	1.58
		38.0	46.7	0.92	50.6	1.10	55.0	1.29	59.9	1.46	61.7	1.49	64.0	1.53	65.8	1.55
		45.6	46.7	0.91	50.6	1.09	55.0	1.28	59.9	1.45	61.7	1.48	64.0	1.51	65.8	1.53
	75	12.2	46.7	1.28	50.6	1.49	55.0	1.74	59.9	1.97	61.7	2.02	64.0	2.06	65.8	2.09
		17.8	46.7	1.24	50.6	1.46	55.0	1.70	59.9	1.92	61.7	1.97	64.0	2.01	65.8	2.04
		30.4	46.7	1.16	50.6	1.38	55.0	1.60	59.9	1.80	61.7	1.85	64.0	1.89	65.8	1.94
		38.0	46.7	1.12	50.6	1.35	55.0	1.57	59.9	1.77	61.7	1.82	64.0	1.86	65.8	1.88
		45.6	46.7	1.11	50.6	1.33	55.0	1.55	59.9	1.75	61.7	1.80	64.0	1.84	65.8	1.85
	86	12.2	46.7	1.59	50.6	1.85	55.0	2.15	59.9	2.42	61.7	2.48	64.0	2.53	65.8	2.58
		17.8	46.7	1.54	50.6	1.80	55.0	2.09	59.9	2.36	61.7	2.42	64.0	2.47	65.8	2.52
		30.4	46.7	1.43	50.6	1.69	55.0	1.97	59.9	2.23	61.7	2.27	64.0	2.34	65.8	2.37
		38.0	46.7	1.39	50.6	1.66	55.0	1.94	59.9	2.18	61.7	2.24	64.0	2.29	65.8	2.32
		45.6	46.7	1.38	50.6	1.64	55.0	1.92	59.9	2.16	61.7	2.22	64.0	2.27	65.8	2.29
	95	12.2	46.7	1.76	50.6	2.05	55.0	2.39	59.9	2.68	61.7	2.75	64.0	2.82	65.8	2.86
		17.8	46.7	1.71	50.6	2.00	55.0	2.33	59.9	2.62	61.7	2.68	64.0	2.75	65.8	2.79
		30.4	46.7	1.59	50.6	1.88	55.0	2.19	59.9	2.47	61.7	2.53	64.0	2.60	65.8	2.64
		38.0	46.7	1.55	50.6	1.85	55.0	2.15	59.9	2.43	61.7	2.48	64.0	2.55	65.8	2.57
		45.6	46.7	1.53	50.6	1.83	55.0	2.13	59.9	2.41	61.7	2.46	64.0	2.53	65.8	2.54
	104	12.2	46.7	2.09	50.6	2.42	55.0	2.83	59.9	3.18	61.7	3.26	64.0	3.34	65.8	3.39
		17.8	46.7	2.03	50.6	2.36	55.0	2.76	59.9	3.10	61.7	3.18	64.0	3.26	65.8	3.31
		30.4	46.7	1.88	50.6	2.23	55.0	2.60	59.9	2.93	61.7	3.00	64.0	3.07	65.8	3.13
		38.0	46.7	1.83	50.6	2.18	55.0	2.55	59.9	2.87	61.7	2.94	64.0	3.02	65.8	3.04
		45.6	46.7	1.80	50.6	2.16	55.0	2.53	59.9	2.85	61.7	2.91	64.0	2.99	65.8	3.00
	113	12.2	46.7	2.42	50.6	2.80	55.0	3.28	59.9	3.68	61.7	3.77	64.0	3.86	65.8	3.93
		17.8	46.7	2.34	50.6	2.73	55.0	3.19	59.9	3.59	61.7	3.67	64.0	3.76	65.8	3.83
		30.4	46.7	2.17	50.6	2.57	55.0	3.00	59.9	3.39	61.7	3.46	64.0	3.55	65.8	3.62
		38.0	46.7	2.11	50.6	2.52	55.0	2.95	59.9	3.32	61.7	3.40	64.0	3.49	65.8	3.51
		45.6	46.7	2.07	50.6	2.49	55.0	2.93	59.9	3.29	61.7	3.36	64.0	3.45	65.8	3.45

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM144DAS5

144,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	50	14.2	133.9	2.62	145.0	3.08	157.8	3.58	171.5	4.01	176.8	4.10	183.7	4.24	188.8	4.30
		17.8	133.9	2.57	145.0	3.02	157.8	3.52	171.5	3.95	176.8	4.04	183.7	4.17	188.8	4.23
		35.5	133.9	2.39	145.0	2.80	157.8	3.28	171.5	3.69	176.8	3.80	183.7	3.88	188.8	3.98
		44.4	133.9	2.32	145.0	2.76	157.8	3.22	171.5	3.61	176.8	3.72	183.7	3.82	188.8	3.87
		53.3	133.9	2.29	145.0	2.74	157.8	3.20	171.5	3.57	176.8	3.68	183.7	3.78	188.8	3.81
	59	14.2	131.7	3.46	142.6	4.03	155.3	4.70	168.8	5.27	173.9	5.40	180.6	5.54	185.7	5.64
		17.8	131.7	3.39	142.6	3.96	155.3	4.62	168.8	5.19	173.9	5.32	180.6	5.46	185.7	5.55
		35.5	131.7	3.13	142.6	3.70	155.3	4.31	168.8	4.86	173.9	4.98	180.6	5.11	185.7	5.22
		44.4	131.7	3.04	142.6	3.63	155.3	4.23	168.8	4.76	173.9	4.88	180.6	5.01	185.7	5.09
		53.3	131.7	3.00	142.6	3.59	155.3	4.19	168.8	4.71	173.9	4.83	180.6	4.96	185.7	5.03
	67	14.2	129.7	4.20	140.5	4.88	153.0	5.69	166.4	6.39	171.3	6.55	177.9	6.70	183.0	6.83
		17.8	129.7	4.12	140.5	4.80	153.0	5.59	166.4	6.29	171.3	6.45	177.9	6.60	183.0	6.72
		35.5	129.7	3.78	140.5	4.49	153.0	5.23	166.4	5.89	171.3	6.03	177.9	6.19	183.0	6.32
		44.4	129.7	3.68	140.5	4.39	153.0	5.12	166.4	5.78	171.3	5.92	177.9	6.07	183.0	6.18
		53.3	129.7	3.63	140.5	4.35	153.0	5.06	166.4	5.72	171.3	5.86	177.9	6.01	183.0	6.11
	75	14.2	129.7	5.18	140.5	6.01	153.0	7.00	166.4	7.90	171.3	8.08	177.9	8.27	183.0	8.41
		17.8	129.7	5.08	140.5	5.92	153.0	6.89	166.4	7.77	171.3	7.95	177.9	8.15	183.0	8.29
		35.5	129.7	4.67	140.5	5.54	153.0	6.45	166.4	7.25	171.3	7.44	177.9	7.65	183.0	7.78
		44.4	129.7	4.53	140.5	5.41	153.0	6.32	166.4	7.12	171.3	7.30	177.9	7.49	183.0	7.62
		53.3	129.7	4.46	140.5	5.35	153.0	6.26	166.4	7.04	171.3	7.23	177.9	7.41	183.0	7.53
	86	14.2	129.7	6.22	140.5	7.22	153.0	8.41	166.4	9.47	171.3	9.70	177.9	9.94	183.0	10.10
		17.8	129.7	6.10	140.5	7.10	153.0	8.27	166.4	9.32	171.3	9.54	177.9	9.78	183.0	9.95
		35.5	129.7	5.59	140.5	6.64	153.0	7.74	166.4	8.71	171.3	8.93	177.9	9.17	183.0	9.35
		44.4	129.7	5.44	140.5	6.50	153.0	7.58	166.4	8.54	171.3	8.76	177.9	8.98	183.0	9.14
		53.3	129.7	5.36	140.5	6.43	153.0	7.49	166.4	8.45	171.3	8.68	177.9	8.89	183.0	9.03
	95	14.2	116.8	6.28	126.4	7.30	137.7	8.51	149.7	9.57	154.2	9.81	160.2	10.05	164.7	10.21
		17.8	116.8	6.15	126.4	7.18	137.7	8.37	149.7	9.42	154.2	9.65	160.2	9.89	164.7	10.06
		35.5	116.8	5.66	126.4	6.71	137.7	7.83	149.7	8.82	154.2	9.03	160.2	9.26	164.7	9.46
		44.4	116.8	5.51	126.4	6.57	137.7	7.66	149.7	8.64	154.2	8.86	160.2	9.08	164.7	9.24
		53.3	116.8	5.43	126.4	6.50	137.7	7.57	149.7	8.54	154.2	8.77	160.2	8.99	164.7	9.12
	104	14.2	103.8	6.64	112.5	7.70	122.4	8.98	133.0	10.10	137.1	10.33	142.3	10.58	146.4	10.78
		17.8	103.8	6.50	112.5	7.58	122.4	8.83	133.0	9.93	137.1	10.17	142.3	10.42	146.4	10.62
		35.5	103.8	5.97	112.5	7.09	122.4	8.26	133.0	9.29	137.1	9.53	142.3	9.78	146.4	9.98
		44.4	103.8	5.80	112.5	6.93	122.4	8.08	133.0	9.11	137.1	9.35	142.3	9.58	146.4	9.75
		53.3	103.8	5.72	112.5	6.86	122.4	7.99	133.0	9.02	137.1	9.26	142.3	9.49	146.4	9.64
	113	14.2	90.7	6.99	98.5	8.09	107.1	9.44	116.4	10.62	120.0	10.85	124.5	11.12	128.1	11.35
		17.8	90.7	6.85	98.5	7.97	107.1	9.29	116.4	10.45	120.0	10.69	124.5	10.95	128.1	11.18
		35.5	90.7	6.28	98.5	7.46	107.1	8.69	116.4	9.77	120.0	10.03	124.5	10.30	128.1	10.49
		44.4	90.7	6.10	98.5	7.30	107.1	8.50	116.4	9.58	120.0	9.84	124.5	10.09	128.1	10.27
		53.3	90.7	6.01	98.5	7.21	107.1	8.40	116.4	9.49	120.0	9.74	124.5	9.98	128.1	10.16
120	50	14.2	126.8	2.50	137.1	2.92	149.4	3.38	162.4	3.80	167.2	3.92	173.8	4.02	178.6	4.06
		17.8	126.8	2.45	137.1	2.87	149.4	3.33	162.4	3.74	167.2	3.85	173.8	3.95	178.6	4.00
		35.5	126.8	2.25	137.1	2.68	149.4	3.13	162.4	3.50	167.2	3.58	173.8	3.67	178.6	3.76
		44.4	126.8	2.18	137.1	2.60	149.4	3.06	162.4	3.42	167.2	3.53	173.8	3.61	178.6	3.68
		53.3	126.8	2.15	137.1	2.55	149.4	3.02	162.4	3.38	167.2	3.50	173.8	3.57	178.6	3.64
	59	14.2	125.2	3.32	135.6	3.86	147.8	4.48	160.5	5.05	165.3	5.18	171.8	5.30	176.6	5.38
		17.8	125.2	3.25	135.6	3.79	147.8	4.41	160.5	4.97	165.3	5.09	171.8	5.22	176.6	5.30
		35.5	125.2	2.99	135.6	3.54	147.8	4.13	160.5	4.65	165.3	4.76	171.8	4.88	176.6	4.98
		44.4	125.2	2.90	135.6	3.46	147.8	4.05	160.5	4.55	165.3	4.67	171.8	4.79	176.6	4.87
		53.3	125.2	2.86	135.6	3.42	147.8	4.00	160.5	4.50	165.3	4.63	171.8	4.74	176.6	4.81
	67	14.2	123.9	4.04	134.2	4.70	146.3	5.46	158.9	6.15	163.7	6.29	170.0	6.45	174.8	6.56
		17.8	123.9	3.96	134.2	4.62	146.3	5.37	158.9	6.05	163.7	6.19	170.0	6.35	174.8	6.46
		35.5	123.9	3.64	134.2	4.31	146.3	5.02	158.9	5.66	163.7	5.80	170.0	5.96	174.8	6.07
		44.4	123.9	3.54	134.2	4.23	146.3	4.92	158.9	5.55	163.7	5.69	170.0	5.83	174.8	5.93
		53.3	123.9	3.49	134.2	4.19	146.3	4.88	158.9	5.50	163.7	5.64	170.0	5.77	174.8	5.86

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	14.2	123.9	4.97	134.2	5.77	146.3	6.72	158.9	7.56	163.7	7.74	170.0	7.94	174.8	8.08
		17.8	123.9	4.87	134.2	5.68	146.3	6.61	158.9	7.44	163.7	7.62	170.0	7.81	174.8	7.95
		35.5	123.9	4.48	134.2	5.30	146.3	6.18	158.9	6.96	163.7	7.13	170.0	7.31	174.8	7.46
		44.4	123.9	4.35	134.2	5.19	146.3	6.05	158.9	6.82	163.7	6.99	170.0	7.17	174.8	7.28
		53.3	123.9	4.29	134.2	5.13	146.3	5.99	158.9	6.75	163.7	6.92	170.0	7.10	174.8	7.19
	86	14.2	123.9	5.99	134.2	6.98	146.3	8.13	158.9	9.15	163.7	9.36	170.0	9.60	174.8	9.76
		17.8	123.9	5.87	134.2	6.86	146.3	7.99	158.9	9.00	163.7	9.21	170.0	9.45	174.8	9.61
		35.5	123.9	5.41	134.2	6.42	146.3	7.46	158.9	8.41	163.7	8.62	170.0	8.85	174.8	9.01
		44.4	123.9	5.26	134.2	6.28	146.3	7.31	158.9	8.25	163.7	8.45	170.0	8.68	174.8	8.80
		53.3	123.9	5.18	134.2	6.21	146.3	7.23	158.9	8.16	163.7	8.37	170.0	8.59	174.8	8.70
	95	14.2	113.4	6.15	122.8	7.15	133.8	8.32	145.4	9.37	149.7	9.60	155.6	9.82	159.9	10.00
		17.8	113.4	6.03	122.8	7.03	133.8	8.19	145.4	9.22	149.7	9.45	155.6	9.67	159.9	9.85
		35.5	113.4	5.54	122.8	6.57	133.8	7.66	145.4	8.62	149.7	8.83	155.6	9.07	159.9	9.24
		44.4	113.4	5.39	122.8	6.43	133.8	7.51	145.4	8.45	149.7	8.66	155.6	8.89	159.9	9.03
		53.3	113.4	5.31	122.8	6.36	133.8	7.43	145.4	8.37	149.7	8.58	155.6	8.80	159.9	8.92
	104	14.2	102.9	6.62	111.4	7.69	121.3	8.96	132.0	10.08	135.9	10.32	141.1	10.57	145.1	10.77
		17.8	102.9	6.49	111.4	7.56	121.3	8.82	132.0	9.92	135.9	10.16	141.1	10.41	145.1	10.60
		35.5	102.9	5.97	111.4	7.07	121.3	8.25	132.0	9.28	135.9	9.50	141.1	9.75	145.1	9.95
		44.4	102.9	5.80	111.4	6.92	121.3	8.08	132.0	9.10	135.9	9.33	141.1	9.57	145.1	9.71
		53.3	102.9	5.72	111.4	6.84	121.3	7.99	132.0	9.00	135.9	9.25	141.1	9.48	145.1	9.59
	113	14.2	92.3	7.09	100.0	8.22	108.9	9.60	118.6	10.79	122.1	11.04	126.7	11.33	130.2	11.53
		17.8	92.3	6.95	100.0	8.09	108.9	9.45	118.6	10.62	122.1	10.87	126.7	11.15	130.2	11.36
		35.5	92.3	6.40	100.0	7.58	108.9	8.83	118.6	9.93	122.1	10.17	126.7	10.44	130.2	10.66
		44.4	92.3	6.22	100.0	7.41	108.9	8.65	118.6	9.74	122.1	10.00	126.7	10.25	130.2	10.39
		53.3	92.3	6.13	100.0	7.32	108.9	8.56	118.6	9.64	122.1	9.92	126.7	10.16	130.2	10.26
110	50	14.2	119.4	2.36	129.5	2.73	140.9	3.20	153.1	3.59	157.6	3.67	163.9	3.79	168.3	3.84
		17.8	119.4	2.31	129.5	2.69	140.9	3.15	153.1	3.53	157.6	3.62	163.9	3.73	168.3	3.78
		35.5	119.4	2.12	129.5	2.51	140.9	2.93	153.1	3.31	157.6	3.40	163.9	3.48	168.3	3.53
		44.4	119.4	2.07	129.5	2.46	140.9	2.86	153.1	3.25	157.6	3.30	163.9	3.41	168.3	3.45
		53.3	119.4	2.04	129.5	2.43	140.9	2.83	153.1	3.23	157.6	3.26	163.9	3.38	168.3	3.41
	59	14.2	118.8	3.16	128.7	3.67	140.1	4.28	152.3	4.82	156.8	4.93	162.9	5.06	167.4	5.15
		17.8	118.8	3.10	128.7	3.61	140.1	4.21	152.3	4.74	156.8	4.86	162.9	4.98	167.4	5.06
		35.5	118.8	2.85	128.7	3.38	140.1	3.93	152.3	4.44	156.8	4.55	162.9	4.66	167.4	4.74
		44.4	118.8	2.78	128.7	3.31	140.1	3.85	152.3	4.35	156.8	4.45	162.9	4.58	167.4	4.63
		53.3	118.8	2.74	128.7	3.27	140.1	3.81	152.3	4.31	156.8	4.40	162.9	4.53	167.4	4.58
	67	14.2	118.2	3.87	127.9	4.51	139.3	5.25	151.5	5.91	156.0	6.06	162.0	6.20	166.7	6.31
		17.8	118.2	3.79	127.9	4.44	139.3	5.16	151.5	5.82	156.0	5.96	162.0	6.10	166.7	6.21
		35.5	118.2	3.49	127.9	4.14	139.3	4.83	151.5	5.44	156.0	5.57	162.0	5.71	166.7	5.82
		44.4	118.2	3.40	127.9	4.06	139.3	4.73	151.5	5.33	156.0	5.47	162.0	5.61	166.7	5.68
		53.3	118.2	3.36	127.9	4.02	139.3	4.68	151.5	5.27	156.0	5.42	162.0	5.56	166.7	5.61
	75	14.2	118.2	4.74	127.9	5.52	139.3	6.42	151.5	7.23	156.0	7.40	162.0	7.58	166.7	7.72
		17.8	118.2	4.65	127.9	5.43	139.3	6.32	151.5	7.12	156.0	7.28	162.0	7.46	166.7	7.60
		35.5	118.2	4.28	127.9	5.08	139.3	5.92	151.5	6.65	156.0	6.82	162.0	6.99	166.7	7.13
		44.4	118.2	4.16	127.9	4.97	139.3	5.79	151.5	6.53	156.0	6.68	162.0	6.86	166.7	6.95
		53.3	118.2	4.09	127.9	4.91	139.3	5.73	151.5	6.47	156.0	6.61	162.0	6.80	166.7	6.86
	86	14.2	118.2	5.78	127.9	6.72	139.3	7.83	151.5	8.82	156.0	9.03	162.0	9.24	166.7	9.41
		17.8	118.2	5.66	127.9	6.61	139.3	7.70	151.5	8.68	156.0	8.89	162.0	9.10	166.7	9.26
		35.5	118.2	5.22	127.9	6.18	139.3	7.20	151.5	8.11	156.0	8.32	162.0	8.52	166.7	8.68
		44.4	118.2	5.08	127.9	6.05	139.3	7.06	151.5	7.95	156.0	8.15	162.0	8.36	166.7	8.47
		53.3	118.2	5.01	127.9	5.99	139.3	6.99	151.5	7.87	156.0	8.06	162.0	8.27	166.7	8.36
	95	14.2	110.1	6.02	119.2	6.99	129.9	8.14	141.1	9.17	145.4	9.39	151.1	9.61	155.3	9.80
		17.8	110.1	5.90	119.2	6.88	129.9	8.01	141.1	9.03	145.4	9.24	151.1	9.46	155.3	9.64
		35.5	110.1	5.43	119.2	6.43	129.9	7.49	141.1	8.44	145.4	8.64	151.1	8.86	155.3	9.03
		44.4	110.1	5.27	119.2	6.29	129.9	7.34	141.1	8.27	145.4	8.48	151.1	8.69	155.3	8.80
		53.3	110.1	5.20	119.2	6.22	129.9	7.26	141.1	8.19	145.4	8.41	151.1	8.61	155.3	8.69

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA

ARWM144DAS5

144,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	14.2	102.0	6.60	110.5	7.69	120.3	8.95	130.8	10.07	134.7	10.31	139.9	10.56	143.8	10.76
		17.8	102.0	6.47	110.5	7.56	120.3	8.80	130.8	9.91	134.7	10.14	139.9	10.39	143.8	10.59
		35.5	102.0	5.96	110.5	7.06	120.3	8.23	130.8	9.26	134.7	9.49	139.9	9.74	143.8	9.92
		44.4	102.0	5.79	110.5	6.91	120.3	8.06	130.8	9.08	134.7	9.32	139.9	9.56	143.8	9.67
		53.3	102.0	5.71	110.5	6.83	120.3	7.98	130.8	8.99	134.7	9.24	139.9	9.47	143.8	9.54
	113	14.2	93.8	7.19	101.8	8.39	110.7	9.76	120.4	10.96	124.0	11.23	128.8	11.51	132.4	11.72
		17.8	93.8	7.05	101.8	8.25	110.7	9.60	120.4	10.78	124.0	11.05	128.8	11.33	132.4	11.54
		35.5	93.8	6.49	101.8	7.69	110.7	8.97	120.4	10.09	124.0	10.34	128.8	10.62	132.4	10.81
		44.4	93.8	6.31	101.8	7.52	110.7	8.79	120.4	9.89	124.0	10.16	128.8	10.42	132.4	10.53
		53.3	93.8	6.21	101.8	7.44	110.7	8.70	120.4	9.79	124.0	10.07	128.8	10.32	132.4	10.39
100	50	14.2	112.3	2.23	121.6	2.60	132.4	2.98	144.0	3.40	148.4	3.44	154.1	3.56	158.4	3.63
		17.8	112.3	2.19	121.6	2.55	132.4	2.94	144.0	3.34	148.4	3.39	154.1	3.50	158.4	3.57
		35.5	112.3	2.01	121.6	2.38	132.4	2.76	144.0	3.13	148.4	3.19	154.1	3.28	158.4	3.34
		44.4	112.3	1.95	121.6	2.32	132.4	2.70	144.0	3.06	148.4	3.13	154.1	3.21	158.4	3.23
		53.3	112.3	1.91	121.6	2.29	132.4	2.66	144.0	3.03	148.4	3.09	154.1	3.17	158.4	3.18
	59	14.2	112.3	3.02	121.6	3.50	132.4	4.07	144.0	4.59	148.4	4.69	154.1	4.82	158.4	4.90
		17.8	112.3	2.96	121.6	3.45	132.4	4.00	144.0	4.52	148.4	4.62	154.1	4.74	158.4	4.83
		35.5	112.3	2.72	121.6	3.22	132.4	3.75	144.0	4.23	148.4	4.32	154.1	4.44	158.4	4.52
		44.4	112.3	2.64	121.6	3.15	132.4	3.67	144.0	4.14	148.4	4.24	154.1	4.35	158.4	4.39
		53.3	112.3	2.59	121.6	3.12	132.4	3.63	144.0	4.10	148.4	4.20	154.1	4.31	158.4	4.33
	67	14.2	112.3	3.72	121.6	4.31	132.4	5.03	144.0	5.66	148.4	5.80	154.1	5.94	158.4	6.04
		17.8	112.3	3.64	121.6	4.24	132.4	4.95	144.0	5.57	148.4	5.71	154.1	5.85	158.4	5.94
		35.5	112.3	3.35	121.6	3.98	132.4	4.63	144.0	5.20	148.4	5.33	154.1	5.47	158.4	5.57
		44.4	112.3	3.25	121.6	3.89	132.4	4.53	144.0	5.11	148.4	5.23	154.1	5.37	158.4	5.43
		53.3	112.3	3.20	121.6	3.85	132.4	4.48	144.0	5.06	148.4	5.18	154.1	5.32	158.4	5.36
	75	14.2	112.3	4.52	121.6	5.26	132.4	6.13	144.0	6.91	148.4	7.08	154.1	7.25	158.4	7.37
		17.8	112.3	4.44	121.6	5.18	132.4	6.03	144.0	6.79	148.4	6.96	154.1	7.13	158.4	7.25
		35.5	112.3	4.09	121.6	4.84	132.4	5.64	144.0	6.35	148.4	6.50	154.1	6.67	158.4	6.79
		44.4	112.3	3.98	121.6	4.74	132.4	5.52	144.0	6.22	148.4	6.38	154.1	6.54	158.4	6.61
		53.3	112.3	3.92	121.6	4.69	132.4	5.47	144.0	6.16	148.4	6.31	154.1	6.48	158.4	6.52
	86	14.2	112.3	5.56	121.6	6.48	132.4	7.55	144.0	8.49	148.4	8.69	154.1	8.90	158.4	9.07
		17.8	112.3	5.46	121.6	6.38	132.4	7.42	144.0	8.36	148.4	8.55	154.1	8.76	158.4	8.93
		35.5	112.3	5.02	121.6	5.96	132.4	6.93	144.0	7.81	148.4	7.99	154.1	8.20	158.4	8.36
		44.4	112.3	4.88	121.6	5.83	132.4	6.79	144.0	7.66	148.4	7.85	154.1	8.05	158.4	8.13
		53.3	112.3	4.81	121.6	5.77	132.4	6.72	144.0	7.58	148.4	7.78	154.1	7.97	158.4	8.02
	95	14.2	106.8	5.88	115.6	6.83	125.8	7.95	136.8	8.96	140.8	9.17	146.4	9.40	150.5	9.57
		17.8	106.8	5.76	115.6	6.72	125.8	7.83	136.8	8.82	140.8	9.03	146.4	9.25	150.5	9.42
		35.5	106.8	5.30	115.6	6.29	125.8	7.32	136.8	8.25	140.8	8.44	146.4	8.66	150.5	8.82
		44.4	106.8	5.16	115.6	6.15	125.8	7.17	136.8	8.09	140.8	8.29	146.4	8.50	150.5	8.58
		53.3	106.8	5.09	115.6	6.08	125.8	7.09	136.8	8.01	140.8	8.21	146.4	8.41	150.5	8.46
	104	14.2	101.1	6.61	109.5	7.67	119.2	8.93	129.6	10.05	133.5	10.29	138.7	10.55	142.5	10.73
		17.8	101.1	6.47	109.5	7.55	119.2	8.79	129.6	9.89	133.5	10.13	138.7	10.38	142.5	10.56
		35.5	101.1	5.94	109.5	7.06	119.2	8.22	129.6	9.25	133.5	9.47	138.7	9.71	142.5	9.89
		44.4	101.1	5.79	109.5	6.91	119.2	8.05	129.6	9.07	133.5	9.29	138.7	9.53	142.5	9.63
		53.3	101.1	5.71	109.5	6.83	119.2	7.97	129.6	8.98	133.5	9.20	138.7	9.44	142.5	9.49
	113	14.2	95.3	7.34	103.3	8.51	112.6	9.91	122.4	11.15	126.1	11.41	131.1	11.70	134.5	11.89
		17.8	95.3	7.18	103.3	8.37	112.6	9.75	122.4	10.97	126.1	11.23	131.1	11.51	134.5	11.71
		35.5	95.3	6.59	103.3	7.83	112.6	9.11	122.4	10.25	126.1	10.51	131.1	10.76	134.5	10.97
		44.4	95.3	6.42	103.3	7.66	112.6	8.93	122.4	10.05	126.1	10.30	131.1	10.56	134.5	10.67
		53.3	95.3	6.33	103.3	7.57	112.6	8.84	122.4	9.94	126.1	10.19	131.1	10.46	134.5	10.53
90	50	14.2	101.1	1.90	109.5	2.20	119.2	2.58	129.6	2.92	133.5	2.97	138.7	3.03	142.5	3.13
		17.8	101.1	1.86	109.5	2.17	119.2	2.54	129.6	2.87	133.5	2.92	138.7	2.99	142.5	3.07
		35.5	101.1	1.73	109.5	2.05	119.2	2.38	129.6	2.70	133.5	2.75	138.7	2.83	142.5	2.87
		44.4	101.1	1.68	109.5	1.98	119.2	2.34	129.6	2.62	133.5	2.70	138.7	2.78	142.5	2.78
		53.3	101.1	1.65	109.5	1.95	119.2	2.31	129.6	2.57	133.5	2.67	138.7	2.75	142.5	2.73

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 144,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	14.2	101.1	2.59	109.5	3.00	119.2	3.50	129.6	3.96	133.5	4.04	138.7	4.14	142.5	4.22
		17.8	101.1	2.54	109.5	2.96	119.2	3.45	129.6	3.89	133.5	3.98	138.7	4.07	142.5	4.16
		35.5	101.1	2.34	109.5	2.78	119.2	3.22	129.6	3.64	133.5	3.73	138.7	3.82	142.5	3.89
		44.4	101.1	2.27	109.5	2.71	119.2	3.17	129.6	3.56	133.5	3.66	138.7	3.75	142.5	3.78
		53.3	101.1	2.24	109.5	2.67	119.2	3.14	129.6	3.52	133.5	3.62	138.7	3.72	142.5	3.72
	67	14.2	101.1	3.20	109.5	3.72	119.2	4.33	129.6	4.88	133.5	4.99	138.7	5.12	142.5	5.20
		17.8	101.1	3.14	109.5	3.66	119.2	4.26	129.6	4.80	133.5	4.91	138.7	5.04	142.5	5.12
		35.5	101.1	2.89	109.5	3.42	119.2	3.98	129.6	4.48	133.5	4.59	138.7	4.70	142.5	4.80
		44.4	101.1	2.80	109.5	3.35	119.2	3.91	129.6	4.39	133.5	4.51	138.7	4.62	142.5	4.67
		53.3	101.1	2.76	109.5	3.31	119.2	3.87	129.6	4.35	133.5	4.46	138.7	4.58	142.5	4.61
	75	14.2	101.1	3.90	109.5	4.54	119.2	5.27	129.6	5.94	133.5	6.08	138.7	6.24	142.5	6.35
		17.8	101.1	3.82	109.5	4.46	119.2	5.19	129.6	5.85	133.5	5.99	138.7	6.14	142.5	6.25
		35.5	101.1	3.52	109.5	4.17	119.2	4.86	129.6	5.47	133.5	5.59	138.7	5.75	142.5	5.85
		44.4	101.1	3.42	109.5	4.07	119.2	4.76	129.6	5.36	133.5	5.50	138.7	5.64	142.5	5.69
		53.3	101.1	3.37	109.5	4.02	119.2	4.71	129.6	5.30	133.5	5.45	138.7	5.58	142.5	5.61
	86	14.2	101.1	4.80	109.5	5.57	119.2	6.50	129.6	7.32	133.5	7.49	138.7	7.67	142.5	7.81
		17.8	101.1	4.70	109.5	5.48	119.2	6.39	129.6	7.20	133.5	7.37	138.7	7.55	142.5	7.69
		35.5	101.1	4.32	109.5	5.12	119.2	5.97	129.6	6.72	133.5	6.89	138.7	7.06	142.5	7.18
		44.4	101.1	4.20	109.5	5.02	119.2	5.85	129.6	6.60	133.5	6.75	138.7	6.93	142.5	7.00
		53.3	101.1	4.14	109.5	4.97	119.2	5.78	129.6	6.54	133.5	6.68	138.7	6.87	142.5	6.91
	95	14.2	98.4	5.18	106.5	6.01	115.9	7.00	126.0	7.88	129.7	8.07	134.8	8.26	138.6	8.42
		17.8	98.4	5.08	106.5	5.92	115.9	6.89	126.0	7.76	129.7	7.94	134.8	8.13	138.6	8.29
		35.5	98.4	4.66	106.5	5.52	115.9	6.45	126.0	7.25	129.7	7.42	134.8	7.62	138.6	7.76
		44.4	98.4	4.53	106.5	5.41	115.9	6.31	126.0	7.12	129.7	7.30	134.8	7.48	138.6	7.55
		53.3	98.4	4.47	106.5	5.36	115.9	6.24	126.0	7.04	129.7	7.23	134.8	7.41	138.6	7.44
	104	14.2	95.5	5.95	103.5	6.91	112.6	8.04	122.4	9.06	126.1	9.27	130.9	9.50	134.7	9.67
		17.8	95.5	5.83	103.5	6.79	112.6	7.91	122.4	8.91	126.1	9.12	130.9	9.35	134.7	9.51
		35.5	95.5	5.36	103.5	6.35	112.6	7.41	122.4	8.33	126.1	8.54	130.9	8.75	134.7	8.91
		44.4	95.5	5.20	103.5	6.22	112.6	7.25	122.4	8.18	126.1	8.37	130.9	8.59	134.7	8.68
		53.3	95.5	5.13	103.5	6.16	112.6	7.18	122.4	8.10	126.1	8.29	130.9	8.52	134.7	8.56
	113	14.2	92.6	6.72	100.5	7.80	109.3	9.07	118.8	10.24	122.5	10.48	127.0	10.73	130.8	10.91
		17.8	92.6	6.59	100.5	7.67	109.3	8.93	118.8	10.07	122.5	10.31	127.0	10.56	130.8	10.74
		35.5	92.6	6.05	100.5	7.17	109.3	8.37	118.8	9.40	122.5	9.65	127.0	9.88	130.8	10.07
		44.4	92.6	5.87	100.5	7.03	109.3	8.20	118.8	9.24	122.5	9.45	127.0	9.71	130.8	9.81
		53.3	92.6	5.78	100.5	6.96	109.3	8.12	118.8	9.15	122.5	9.34	127.0	9.63	130.8	9.67
80	50	14.2	89.8	1.62	97.3	1.85	106.0	2.15	115.2	2.46	118.6	2.49	123.3	2.57	126.7	2.59
		17.8	89.8	1.59	97.3	1.82	106.0	2.12	115.2	2.42	118.6	2.46	123.3	2.52	126.7	2.55
		35.5	89.8	1.44	97.3	1.73	106.0	2.00	115.2	2.24	118.6	2.31	123.3	2.35	126.7	2.39
		44.4	89.8	1.42	97.3	1.68	106.0	1.96	115.2	2.20	118.6	2.24	123.3	2.31	126.7	2.34
		53.3	89.8	1.42	97.3	1.65	106.0	1.94	115.2	2.18	118.6	2.20	123.3	2.29	126.7	2.31
	59	14.2	89.8	2.18	97.3	2.52	106.0	2.93	115.2	3.32	118.6	3.39	123.3	3.47	126.7	3.53
		17.8	89.8	2.13	97.3	2.48	106.0	2.89	115.2	3.26	118.6	3.33	123.3	3.42	126.7	3.47
		35.5	89.8	1.95	97.3	2.33	106.0	2.71	115.2	3.04	118.6	3.13	123.3	3.19	126.7	3.25
		44.4	89.8	1.91	97.3	2.27	106.0	2.65	115.2	2.99	118.6	3.06	123.3	3.14	126.7	3.17
		53.3	89.8	1.89	97.3	2.25	106.0	2.62	115.2	2.96	118.6	3.02	123.3	3.11	126.7	3.12
	67	14.2	89.8	2.68	97.3	3.12	106.0	3.63	115.2	4.08	118.6	4.18	123.3	4.28	126.7	4.37
		17.8	89.8	2.62	97.3	3.07	106.0	3.57	115.2	4.02	118.6	4.12	123.3	4.21	126.7	4.30
		35.5	89.8	2.41	97.3	2.86	106.0	3.33	115.2	3.75	118.6	3.85	123.3	3.95	126.7	4.02
		44.4	89.8	2.34	97.3	2.80	106.0	3.26	115.2	3.68	118.6	3.78	123.3	3.88	126.7	3.91
		53.3	89.8	2.31	97.3	2.78	106.0	3.23	115.2	3.65	118.6	3.75	123.3	3.84	126.7	3.85
	75	14.2	89.8	3.28	97.3	3.80	106.0	4.42	115.2	4.97	118.6	5.11	123.3	5.23	126.7	5.32
		17.8	89.8	3.21	97.3	3.74	106.0	4.35	115.2	4.90	118.6	5.02	123.3	5.15	126.7	5.23
		35.5	89.8	2.94	97.3	3.49	106.0	4.07	115.2	4.59	118.6	4.69	123.3	4.81	126.7	4.90
		44.4	89.8	2.86	97.3	3.42	106.0	3.99	115.2	4.49	118.6	4.60	123.3	4.73	126.7	4.77
		53.3	89.8	2.82	97.3	3.38	106.0	3.95	115.2	4.44	118.6	4.56	123.3	4.69	126.7	4.71

TC = Total Capacity (MBh).  
 PI = Power Input (kW) (includes compressor and controls).  
 The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM144DAS5

144,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	14.2	89.8	4.01	97.3	4.66	106.0	5.45	115.2	6.13	118.6	6.27	123.3	6.42	126.7	6.55
		17.8	89.8	3.93	97.3	4.59	106.0	5.36	115.2	6.03	118.6	6.17	123.3	6.32	126.7	6.45
		35.5	89.8	3.63	97.3	4.30	106.0	5.01	115.2	5.64	118.6	5.78	123.3	5.92	126.7	6.03
		44.4	89.8	3.53	97.3	4.20	106.0	4.90	115.2	5.52	118.6	5.66	123.3	5.80	126.7	5.87
		53.3	89.8	3.48	97.3	4.15	106.0	4.84	115.2	5.47	118.6	5.61	123.3	5.75	126.7	5.80
	95	14.2	89.8	4.47	97.3	5.19	106.0	6.04	115.2	6.81	118.6	6.98	123.3	7.15	126.7	7.27
		17.8	89.8	4.38	97.3	5.11	106.0	5.94	115.2	6.70	118.6	6.86	123.3	7.03	126.7	7.16
		35.5	89.8	4.03	97.3	4.77	106.0	5.57	115.2	6.26	118.6	6.42	123.3	6.57	126.7	6.70
		44.4	89.8	3.92	97.3	4.67	106.0	5.46	115.2	6.14	118.6	6.29	123.3	6.46	126.7	6.52
		53.3	89.8	3.86	97.3	4.62	106.0	5.40	115.2	6.08	118.6	6.23	123.3	6.40	126.7	6.42
	104	14.2	89.8	5.30	97.3	6.16	106.0	7.16	115.2	8.07	118.6	8.25	123.3	8.47	126.7	8.61
		17.8	89.8	5.19	97.3	6.05	106.0	7.05	115.2	7.94	118.6	8.12	123.3	8.33	126.7	8.47
		35.5	89.8	4.77	97.3	5.65	106.0	6.59	115.2	7.42	118.6	7.59	123.3	7.78	126.7	7.92
		44.4	89.8	4.63	97.3	5.54	106.0	6.45	115.2	7.27	118.6	7.45	123.3	7.65	126.7	7.72
		53.3	89.8	4.56	97.3	5.48	106.0	6.38	115.2	7.19	118.6	7.38	123.3	7.58	126.7	7.61
	113	14.2	89.8	6.12	97.3	7.12	106.0	8.29	115.2	9.33	118.6	9.53	123.3	9.79	126.7	9.94
		17.8	89.8	6.00	97.3	7.00	106.0	8.15	115.2	9.18	118.6	9.38	123.3	9.63	126.7	9.78
		35.5	89.8	5.51	97.3	6.53	106.0	7.60	115.2	8.58	118.6	8.76	123.3	9.00	126.7	9.15
		44.4	89.8	5.34	97.3	6.40	106.0	7.44	115.2	8.40	118.6	8.61	123.3	8.83	126.7	8.91
		53.3	89.8	5.26	97.3	6.34	106.0	7.35	115.2	8.31	118.6	8.53	123.3	8.75	126.7	8.80
70	50	14.2	78.7	1.32	85.1	1.54	92.8	1.78	100.8	2.01	103.8	2.09	107.8	2.14	110.8	2.15
		17.8	78.7	1.30	85.1	1.52	92.8	1.76	100.8	1.98	103.8	2.05	107.8	2.11	110.8	2.12
		35.5	78.7	1.21	85.1	1.41	92.8	1.65	100.8	1.88	103.8	1.92	107.8	1.97	110.8	2.00
		44.4	78.7	1.18	85.1	1.38	92.8	1.62	100.8	1.82	103.8	1.86	107.8	1.92	110.8	1.95
		53.3	78.7	1.17	85.1	1.37	92.8	1.61	100.8	1.80	103.8	1.84	107.8	1.89	110.8	1.92
	59	14.2	78.7	1.81	85.1	2.10	92.8	2.44	100.8	2.75	103.8	2.82	107.8	2.89	110.8	2.93
		17.8	78.7	1.77	85.1	2.06	92.8	2.40	100.8	2.71	103.8	2.78	107.8	2.85	110.8	2.89
		35.5	78.7	1.63	85.1	1.93	92.8	2.25	100.8	2.54	103.8	2.59	107.8	2.66	110.8	2.71
		44.4	78.7	1.59	85.1	1.88	92.8	2.20	100.8	2.48	103.8	2.54	107.8	2.61	110.8	2.64
		53.3	78.7	1.57	85.1	1.86	92.8	2.18	100.8	2.46	103.8	2.51	107.8	2.58	110.8	2.60
	67	14.2	78.7	2.24	85.1	2.60	92.8	3.02	100.8	3.40	103.8	3.47	107.8	3.56	110.8	3.63
		17.8	78.7	2.19	85.1	2.55	92.8	2.97	100.8	3.35	103.8	3.42	107.8	3.50	110.8	3.57
		35.5	78.7	2.01	85.1	2.39	92.8	2.78	100.8	3.13	103.8	3.19	107.8	3.28	110.8	3.33
		44.4	78.7	1.95	85.1	2.33	92.8	2.72	100.8	3.07	103.8	3.14	107.8	3.22	110.8	3.25
		53.3	78.7	1.93	85.1	2.30	92.8	2.69	100.8	3.04	103.8	3.11	107.8	3.19	110.8	3.21
	75	14.2	78.7	2.72	85.1	3.16	92.8	3.67	100.8	4.14	103.8	4.24	107.8	4.34	110.8	4.42
		17.8	78.7	2.66	85.1	3.11	92.8	3.61	100.8	4.07	103.8	4.17	107.8	4.27	110.8	4.35
		35.5	78.7	2.46	85.1	2.90	92.8	3.39	100.8	3.81	103.8	3.91	107.8	4.00	110.8	4.07
		44.4	78.7	2.39	85.1	2.85	92.8	3.32	100.8	3.74	103.8	3.82	107.8	3.92	110.8	3.96
		53.3	78.7	2.35	85.1	2.82	92.8	3.29	100.8	3.70	103.8	3.78	107.8	3.88	110.8	3.91
	86	14.2	78.7	3.35	85.1	3.89	92.8	4.52	100.8	5.09	103.8	5.22	107.8	5.34	110.8	5.45
		17.8	78.7	3.28	85.1	3.82	92.8	4.45	100.8	5.01	103.8	5.13	107.8	5.26	110.8	5.36
		35.5	78.7	3.01	85.1	3.57	92.8	4.16	100.8	4.69	103.8	4.80	107.8	4.92	110.8	5.01
		44.4	78.7	2.93	85.1	3.50	92.8	4.07	100.8	4.59	103.8	4.72	107.8	4.83	110.8	4.88
		53.3	78.7	2.89	85.1	3.47	92.8	4.03	100.8	4.54	103.8	4.67	107.8	4.78	110.8	4.82
	95	14.2	78.7	3.72	85.1	4.31	92.8	5.04	100.8	5.66	103.8	5.80	107.8	5.94	110.8	6.04
		17.8	78.7	3.64	85.1	4.24	92.8	4.95	100.8	5.57	103.8	5.71	107.8	5.85	110.8	5.94
		35.5	78.7	3.35	85.1	3.98	92.8	4.62	100.8	5.20	103.8	5.33	107.8	5.47	110.8	5.57
		44.4	78.7	3.25	85.1	3.88	92.8	4.53	100.8	5.11	103.8	5.23	107.8	5.37	110.8	5.43
		53.3	78.7	3.20	85.1	3.83	92.8	4.49	100.8	5.06	103.8	5.18	107.8	5.32	110.8	5.36
	104	14.2	78.7	4.40	85.1	5.10	92.8	5.95	100.8	6.71	103.8	6.86	107.8	7.03	110.8	7.16
		17.8	78.7	4.31	85.1	5.02	92.8	5.86	100.8	6.60	103.8	6.75	107.8	6.92	110.8	7.05
		35.5	78.7	3.96	85.1	4.70	92.8	5.48	100.8	6.17	103.8	6.32	107.8	6.47	110.8	6.60
		44.4	78.7	3.85	85.1	4.60	92.8	5.36	100.8	6.04	103.8	6.19	107.8	6.36	110.8	6.42
		53.3	78.7	3.79	85.1	4.55	92.8	5.29	100.8	5.98	103.8	6.13	107.8	6.31	110.8	6.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	14.2	78.7	5.08	85.1	5.90	92.8	6.87	100.8	7.76	103.8	7.92	107.8	8.12	110.8	8.28
		17.8	78.7	4.98	85.1	5.80	92.8	6.77	100.8	7.63	103.8	7.80	107.8	7.99	110.8	8.15
		35.5	78.7	4.58	85.1	5.43	92.8	6.35	100.8	7.13	103.8	7.31	107.8	7.48	110.8	7.63
		44.4	78.7	4.45	85.1	5.33	92.8	6.18	100.8	6.98	103.8	7.16	107.8	7.35	110.8	7.41
		53.3	78.7	4.39	85.1	5.28	92.8	6.10	100.8	6.90	103.8	7.08	107.8	7.29	110.8	7.30
60	50	14.2	67.4	1.05	73.0	1.23	79.4	1.41	86.3	1.62	89.0	1.67	92.5	1.69	95.0	1.71
		17.8	67.4	1.03	73.0	1.21	79.4	1.39	86.3	1.60	89.0	1.64	92.5	1.66	95.0	1.69
		35.5	67.4	0.95	73.0	1.13	79.4	1.33	86.3	1.49	89.0	1.52	92.5	1.57	95.0	1.60
		44.4	67.4	0.91	73.0	1.11	79.4	1.30	86.3	1.46	89.0	1.49	92.5	1.53	95.0	1.56
		53.3	67.4	0.89	73.0	1.11	79.4	1.29	86.3	1.45	89.0	1.48	92.5	1.51	95.0	1.54
	59	14.2	67.4	1.44	73.0	1.67	79.4	1.94	86.3	2.20	89.0	2.26	92.5	2.30	95.0	2.34
		17.8	67.4	1.41	73.0	1.65	79.4	1.91	86.3	2.16	89.0	2.22	92.5	2.26	95.0	2.30
		35.5	67.4	1.30	73.0	1.53	79.4	1.80	86.3	2.02	89.0	2.06	92.5	2.12	95.0	2.16
		44.4	67.4	1.26	73.0	1.51	79.4	1.76	86.3	1.98	89.0	2.02	92.5	2.08	95.0	2.11
		53.3	67.4	1.23	73.0	1.49	79.4	1.74	86.3	1.96	89.0	2.00	92.5	2.06	95.0	2.08
	67	14.2	67.4	1.78	73.0	2.07	79.4	2.41	86.3	2.71	89.0	2.78	92.5	2.84	95.0	2.89
		17.8	67.4	1.74	73.0	2.04	79.4	2.37	86.3	2.66	89.0	2.73	92.5	2.79	95.0	2.85
		35.5	67.4	1.60	73.0	1.90	79.4	2.22	86.3	2.50	89.0	2.55	92.5	2.61	95.0	2.66
		44.4	67.4	1.56	73.0	1.86	79.4	2.16	86.3	2.44	89.0	2.50	92.5	2.57	95.0	2.59
		53.3	67.4	1.54	73.0	1.83	79.4	2.13	86.3	2.41	89.0	2.47	92.5	2.55	95.0	2.56
	75	14.2	67.4	2.16	73.0	2.53	79.4	2.94	86.3	3.30	89.0	3.37	92.5	3.46	95.0	3.53
		17.8	67.4	2.12	73.0	2.48	79.4	2.89	86.3	3.25	89.0	3.32	92.5	3.40	95.0	3.47
		35.5	67.4	1.95	73.0	2.32	79.4	2.69	86.3	3.04	89.0	3.11	92.5	3.19	95.0	3.25
		44.4	67.4	1.90	73.0	2.26	79.4	2.64	86.3	2.97	89.0	3.06	92.5	3.13	95.0	3.17
		53.3	67.4	1.87	73.0	2.23	79.4	2.61	86.3	2.94	89.0	3.03	92.5	3.09	95.0	3.12
	86	14.2	67.4	2.66	73.0	3.09	79.4	3.60	86.3	4.05	89.0	4.15	92.5	4.25	95.0	4.34
		17.8	67.4	2.61	73.0	3.04	79.4	3.54	86.3	3.99	89.0	4.09	92.5	4.19	95.0	4.27
		35.5	67.4	2.40	73.0	2.85	79.4	3.32	86.3	3.74	89.0	3.82	92.5	3.92	95.0	3.99
		44.4	67.4	2.33	73.0	2.79	79.4	3.25	86.3	3.67	89.0	3.75	92.5	3.85	95.0	3.89
		53.3	67.4	2.29	73.0	2.76	79.4	3.22	86.3	3.63	89.0	3.72	92.5	3.82	95.0	3.84
	95	14.2	67.4	2.96	73.0	3.45	79.4	4.02	86.3	4.51	89.0	4.62	92.5	4.74	95.0	4.82
		17.8	67.4	2.90	73.0	3.39	79.4	3.95	86.3	4.44	89.0	4.55	92.5	4.66	95.0	4.74
		35.5	67.4	2.66	73.0	3.17	79.4	3.68	86.3	4.16	89.0	4.26	92.5	4.35	95.0	4.44
		44.4	67.4	2.59	73.0	3.10	79.4	3.61	86.3	4.07	89.0	4.17	92.5	4.28	95.0	4.32
		53.3	67.4	2.56	73.0	3.06	79.4	3.58	86.3	4.03	89.0	4.13	92.5	4.25	95.0	4.27
	104	14.2	67.4	3.50	73.0	4.07	79.4	4.75	86.3	5.35	89.0	5.47	92.5	5.60	95.0	5.71
		17.8	67.4	3.43	73.0	4.00	79.4	4.67	86.3	5.26	89.0	5.39	92.5	5.51	95.0	5.62
		35.5	67.4	3.17	73.0	3.75	79.4	4.37	86.3	4.91	89.0	5.04	92.5	5.16	95.0	5.26
		44.4	67.4	3.07	73.0	3.67	79.4	4.28	86.3	4.81	89.0	4.94	92.5	5.06	95.0	5.12
		53.3	67.4	3.02	73.0	3.63	79.4	4.24	86.3	4.76	89.0	4.89	92.5	5.02	95.0	5.05
	113	14.2	67.4	4.04	73.0	4.69	79.4	5.49	86.3	6.19	89.0	6.32	92.5	6.46	95.0	6.61
		17.8	67.4	3.96	73.0	4.62	79.4	5.40	86.3	6.08	89.0	6.22	92.5	6.36	95.0	6.50
		35.5	67.4	3.67	73.0	4.34	79.4	5.05	86.3	5.66	89.0	5.82	92.5	5.97	95.0	6.08
		44.4	67.4	3.54	73.0	4.24	79.4	4.95	86.3	5.55	89.0	5.71	92.5	5.85	95.0	5.92
		53.3	67.4	3.48	73.0	4.19	79.4	4.90	86.3	5.50	89.0	5.65	92.5	5.78	95.0	5.83
50	50	14.2	56.2	0.78	60.8	0.91	66.2	1.10	72.1	1.20	74.2	1.22	77.0	1.27	79.1	1.28
		17.8	56.2	0.76	60.8	0.90	66.2	1.08	72.1	1.18	74.2	1.21	77.0	1.25	79.1	1.26
		35.5	56.2	0.70	60.8	0.85	66.2	0.99	72.1	1.11	74.2	1.16	77.0	1.15	79.1	1.18
		44.4	56.2	0.68	60.8	0.85	66.2	0.97	72.1	1.09	74.2	1.10	77.0	1.14	79.1	1.14
		53.3	56.2	0.68	60.8	0.85	66.2	0.95	72.1	1.07	74.2	1.07	77.0	1.13	79.1	1.12
	59	14.2	56.2	1.07	60.8	1.25	66.2	1.46	72.1	1.63	74.2	1.67	77.0	1.72	79.1	1.74
		17.8	56.2	1.05	60.8	1.23	66.2	1.44	72.1	1.60	74.2	1.65	77.0	1.69	79.1	1.72
		35.5	56.2	0.96	60.8	1.14	66.2	1.34	72.1	1.51	74.2	1.55	77.0	1.58	79.1	1.60
		44.4	56.2	0.93	60.8	1.13	66.2	1.31	72.1	1.48	74.2	1.51	77.0	1.55	79.1	1.56
		53.3	56.2	0.92	60.8	1.12	66.2	1.30	72.1	1.46	74.2	1.49	77.0	1.53	79.1	1.54

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM144DAS5

144,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	14.2	56.2	1.32	60.8	1.55	66.2	1.79	72.1	2.01	74.2	2.07	77.0	2.11	79.1	2.16
		17.8	56.2	1.30	60.8	1.52	66.2	1.76	72.1	1.98	74.2	2.04	77.0	2.08	79.1	2.12
		35.5	56.2	1.20	60.8	1.41	66.2	1.65	72.1	1.86	74.2	1.90	77.0	1.95	79.1	1.98
		44.4	56.2	1.16	60.8	1.38	66.2	1.62	72.1	1.83	74.2	1.87	77.0	1.91	79.1	1.94
		53.3	56.2	1.14	60.8	1.37	66.2	1.60	72.1	1.81	74.2	1.86	77.0	1.89	79.1	1.92
	75	14.2	56.2	1.61	60.8	1.87	66.2	2.18	72.1	2.47	74.2	2.53	77.0	2.58	79.1	2.62
		17.8	56.2	1.58	60.8	1.84	66.2	2.15	72.1	2.43	74.2	2.48	77.0	2.54	79.1	2.58
		35.5	56.2	1.45	60.8	1.73	66.2	2.01	72.1	2.26	74.2	2.32	77.0	2.37	79.1	2.43
		44.4	56.2	1.41	60.8	1.69	66.2	1.97	72.1	2.22	74.2	2.27	77.0	2.33	79.1	2.36
		53.3	56.2	1.39	60.8	1.67	66.2	1.95	72.1	2.20	74.2	2.25	77.0	2.31	79.1	2.32
	86	14.2	56.2	2.00	60.8	2.31	66.2	2.70	72.1	3.03	74.2	3.11	77.0	3.17	79.1	3.23
		17.8	56.2	1.95	60.8	2.27	66.2	2.65	72.1	2.99	74.2	3.06	77.0	3.13	79.1	3.18
		35.5	56.2	1.79	60.8	2.12	66.2	2.47	72.1	2.79	74.2	2.85	77.0	2.93	79.1	2.97
		44.4	56.2	1.74	60.8	2.08	66.2	2.43	72.1	2.73	74.2	2.80	77.0	2.87	79.1	2.90
		53.3	56.2	1.72	60.8	2.06	66.2	2.41	72.1	2.71	74.2	2.78	77.0	2.85	79.1	2.87
	95	14.2	56.2	2.20	60.8	2.57	66.2	2.99	72.1	3.36	74.2	3.45	77.0	3.53	79.1	3.59
		17.8	56.2	2.16	60.8	2.53	66.2	2.94	72.1	3.31	74.2	3.39	77.0	3.47	79.1	3.53
		35.5	56.2	2.00	60.8	2.36	66.2	2.75	72.1	3.10	74.2	3.17	77.0	3.25	79.1	3.31
		44.4	56.2	1.94	60.8	2.32	66.2	2.69	72.1	3.04	74.2	3.11	77.0	3.19	79.1	3.22
		53.3	56.2	1.91	60.8	2.29	66.2	2.66	72.1	3.01	74.2	3.08	77.0	3.17	79.1	3.18
	104	14.2	56.2	2.62	60.8	3.03	66.2	3.55	72.1	3.98	74.2	4.08	77.0	4.18	79.1	4.25
		17.8	56.2	2.57	60.8	2.99	66.2	3.49	72.1	3.92	74.2	4.02	77.0	4.12	79.1	4.19
		35.5	56.2	2.36	60.8	2.79	66.2	3.25	72.1	3.67	74.2	3.75	77.0	3.85	79.1	3.92
		44.4	56.2	2.29	60.8	2.73	66.2	3.19	72.1	3.60	74.2	3.68	77.0	3.78	79.1	3.81
		53.3	56.2	2.25	60.8	2.71	66.2	3.17	72.1	3.56	74.2	3.65	77.0	3.75	79.1	3.75
	113	14.2	56.2	3.04	60.8	3.50	66.2	4.10	72.1	4.61	74.2	4.72	77.0	4.83	79.1	4.92
		17.8	56.2	2.97	60.8	3.45	66.2	4.03	72.1	4.53	74.2	4.65	77.0	4.76	79.1	4.84
		35.5	56.2	2.72	60.8	3.22	66.2	3.75	72.1	4.24	74.2	4.34	77.0	4.45	79.1	4.53
		44.4	56.2	2.64	60.8	3.15	66.2	3.70	72.1	4.16	74.2	4.26	77.0	4.37	79.1	4.39
		53.3	56.2	2.59	60.8	3.12	66.2	3.67	72.1	4.12	74.2	4.21	77.0	4.32	79.1	4.32

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	50	18.3	156.2	3.43	169.2	4.02	184.1	4.68	200.1	5.25	206.2	5.37	214.3	5.55	220.2	5.62
		22.9	156.2	3.37	169.2	3.95	184.1	4.60	200.1	5.17	206.2	5.29	214.3	5.45	220.2	5.54
		45.7	156.2	3.12	169.2	3.67	184.1	4.28	200.1	4.83	206.2	4.98	214.3	5.08	220.2	5.20
		50.3	156.2	3.03	169.2	3.62	184.1	4.22	200.1	4.72	206.2	4.87	214.3	4.99	220.2	5.06
		60.8	156.2	2.82	169.2	3.51	184.1	4.08	200.1	4.47	206.2	4.62	214.3	4.78	220.2	4.74
	59	18.3	153.6	4.52	166.4	5.27	181.1	6.14	196.9	6.90	202.9	7.06	210.7	7.25	216.7	7.37
		22.9	153.6	4.43	166.4	5.18	181.1	6.04	196.9	6.79	202.9	6.95	210.7	7.14	216.7	7.26
		45.7	153.6	4.09	166.4	4.84	181.1	5.64	196.9	6.35	202.9	6.52	210.7	6.68	216.7	6.83
		50.3	153.6	3.98	166.4	4.75	181.1	5.53	196.9	6.22	202.9	6.39	210.7	6.55	216.7	6.66
		60.8	153.6	3.73	166.4	4.54	181.1	5.28	196.9	5.92	202.9	6.09	210.7	6.25	216.7	6.27
	67	18.3	151.4	5.49	164.0	6.38	178.5	7.44	194.1	8.36	199.9	8.57	207.6	8.77	213.5	8.93
		22.9	151.4	5.38	164.0	6.28	178.5	7.32	194.1	8.23	199.9	8.43	207.6	8.63	213.5	8.80
		45.7	151.4	4.95	164.0	5.88	178.5	6.84	194.1	7.70	199.9	7.88	207.6	8.10	213.5	8.27
		50.3	151.4	4.82	164.0	5.75	178.5	6.70	194.1	7.56	199.9	7.74	207.6	7.94	213.5	8.08
		60.8	151.4	4.52	164.0	5.45	178.5	6.38	194.1	7.24	199.9	7.42	207.6	7.57	213.5	7.65
	75	18.3	151.4	6.78	164.0	7.86	178.5	9.16	194.1	10.34	199.9	10.57	207.6	10.82	213.5	11.01
		22.9	151.4	6.64	164.0	7.74	178.5	9.02	194.1	10.17	199.9	10.40	207.6	10.66	213.5	10.84
		45.7	151.4	6.11	164.0	7.25	178.5	8.43	194.1	9.49	199.9	9.73	207.6	10.00	213.5	10.18
		50.3	151.4	5.93	164.0	7.08	178.5	8.27	194.1	9.31	199.9	9.54	207.6	9.80	213.5	9.96
		60.8	151.4	5.52	164.0	6.69	178.5	7.90	194.1	8.90	199.9	9.11	207.6	9.34	213.5	9.46
	86	18.3	151.4	8.14	164.0	9.44	178.5	11.00	194.1	12.39	199.9	12.69	207.6	13.00	213.5	13.21
		22.9	151.4	7.98	164.0	9.29	178.5	10.82	194.1	12.19	199.9	12.48	207.6	12.79	213.5	13.01
		45.7	151.4	7.32	164.0	8.69	178.5	10.13	194.1	11.39	199.9	11.68	207.6	11.99	213.5	12.23
		50.3	151.4	7.12	164.0	8.50	178.5	9.91	194.1	11.17	199.9	11.46	207.6	11.75	213.5	11.95
		60.8	151.4	6.66	164.0	8.07	178.5	9.41	194.1	10.67	199.9	10.96	207.6	11.20	213.5	11.31
	95	18.3	136.3	8.21	147.5	9.56	160.6	11.13	174.7	12.52	179.9	12.84	186.9	13.15	192.2	13.36
		22.9	136.3	8.05	147.5	9.40	160.6	10.95	174.7	12.32	179.9	12.63	186.9	12.94	192.2	13.16
		45.7	136.3	7.41	147.5	8.78	160.6	10.24	174.7	11.53	179.9	11.81	186.9	12.12	192.2	12.37
		50.3	136.3	7.21	147.5	8.60	160.6	10.02	174.7	11.30	179.9	11.59	186.9	11.88	192.2	12.08
		60.8	136.3	6.75	147.5	8.19	160.6	9.52	174.7	10.78	179.9	11.09	186.9	11.33	192.2	11.42
	104	18.3	121.1	8.68	131.2	10.07	142.8	11.74	155.2	13.21	159.9	13.52	166.1	13.84	170.8	14.10
		22.9	121.1	8.50	131.2	9.91	142.8	11.55	155.2	12.99	159.9	13.30	166.1	13.63	170.8	13.89
		45.7	121.1	7.81	131.2	9.27	142.8	10.80	155.2	12.15	159.9	12.46	166.1	12.79	170.8	13.05
		50.3	121.1	7.59	131.2	9.07	142.8	10.57	155.2	11.92	159.9	12.23	166.1	12.54	170.8	12.76
		60.8	121.1	7.09	131.2	8.61	142.8	10.05	155.2	11.40	159.9	11.71	166.1	11.97	170.8	12.10
	113	18.3	105.8	9.15	114.9	10.59	124.9	12.35	135.8	13.90	140.0	14.20	145.2	14.54	149.4	14.84
		22.9	105.8	8.96	114.9	10.42	124.9	12.15	135.8	13.67	140.0	13.98	145.2	14.33	149.4	14.62
		45.7	105.8	8.21	114.9	9.76	124.9	11.37	135.8	12.78	140.0	13.12	145.2	13.47	149.4	13.72
		50.3	105.8	7.98	114.9	9.54	124.9	11.11	135.8	12.54	140.0	12.87	145.2	13.19	149.4	13.43
		60.8	105.8	7.46	114.9	9.04	124.9	10.52	135.8	11.99	140.0	12.30	145.2	12.55	149.4	12.77
120	50	18.3	147.9	3.27	160.0	3.81	174.4	4.42	189.4	4.98	195.0	5.13	202.8	5.25	208.4	5.31
		22.9	147.9	3.21	160.0	3.75	174.4	4.35	189.4	4.90	195.0	5.04	202.8	5.16	208.4	5.23
		45.7	147.9	2.94	160.0	3.51	174.4	4.09	189.4	4.58	195.0	4.68	202.8	4.81	208.4	4.91
		50.3	147.9	2.85	160.0	3.40	174.4	4.00	189.4	4.47	195.0	4.61	202.8	4.72	208.4	4.81
		60.8	147.9	2.64	160.0	3.15	174.4	3.79	189.4	4.22	195.0	4.45	202.8	4.51	208.4	4.58
	59	18.3	146.1	4.34	158.2	5.05	172.4	5.86	187.3	6.60	192.9	6.77	200.4	6.94	206.0	7.04
		22.9	146.1	4.25	158.2	4.96	172.4	5.77	187.3	6.50	192.9	6.66	200.4	6.83	206.0	6.94
		45.7	146.1	3.91	158.2	4.64	172.4	5.40	187.3	6.08	192.9	6.22	200.4	6.39	206.0	6.52
		50.3	146.1	3.80	158.2	4.53	172.4	5.29	187.3	5.95	192.9	6.11	200.4	6.26	206.0	6.37
		60.8	146.1	3.55	158.2	4.28	172.4	5.04	187.3	5.65	192.9	5.86	200.4	5.96	206.0	6.03
	67	18.3	144.5	5.29	156.6	6.14	170.6	7.14	185.3	8.05	190.9	8.23	198.3	8.43	203.9	8.58
		22.9	144.5	5.18	156.6	6.04	170.6	7.03	185.3	7.92	190.9	8.10	198.3	8.30	203.9	8.45
		45.7	144.5	4.76	156.6	5.64	170.6	6.57	185.3	7.41	190.9	7.59	198.3	7.79	203.9	7.94
		50.3	144.5	4.64	156.6	5.53	170.6	6.44	185.3	7.26	190.9	7.45	198.3	7.63	203.9	7.76
		60.8	144.5	4.37	156.6	5.28	170.6	6.14	185.3	6.92	190.9	7.13	198.3	7.26	203.9	7.35

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM168DAS5

168,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	18.3	144.5	6.50	156.6	7.55	170.6	8.79	185.3	9.88	190.9	10.13	198.3	10.39	203.9	10.56
		22.9	144.5	6.37	156.6	7.43	170.6	8.65	185.3	9.73	190.9	9.96	198.3	10.22	203.9	10.40
		45.7	144.5	5.86	156.6	6.94	170.6	8.08	185.3	9.11	190.9	9.33	198.3	9.56	203.9	9.76
		50.3	144.5	5.69	156.6	6.79	170.6	7.92	185.3	8.92	190.9	9.14	198.3	9.38	203.9	9.53
		60.8	144.5	5.30	156.6	6.45	170.6	7.55	185.3	8.49	190.9	8.71	198.3	8.97	203.9	9.01
	86	18.3	144.5	7.84	156.6	9.13	170.6	10.63	185.3	11.96	190.9	12.24	198.3	12.55	203.9	12.77
		22.9	144.5	7.68	156.6	8.98	170.6	10.46	185.3	11.77	190.9	12.05	198.3	12.36	203.9	12.57
		45.7	144.5	7.08	156.6	8.40	170.6	9.76	185.3	11.00	190.9	11.28	198.3	11.57	203.9	11.79
		50.3	144.5	6.88	156.6	8.21	170.6	9.56	185.3	10.79	190.9	11.06	198.3	11.35	203.9	11.52
		60.8	144.5	6.42	156.6	7.78	170.6	9.10	185.3	10.31	190.9	10.56	198.3	10.85	203.9	10.90
	95	18.3	132.3	8.05	143.3	9.35	156.1	10.89	169.6	12.26	174.7	12.56	181.5	12.85	186.6	13.09
		22.9	132.3	7.88	143.3	9.20	156.1	10.71	169.6	12.06	174.7	12.36	181.5	12.65	186.6	12.88
		45.7	132.3	7.25	143.3	8.60	156.1	10.02	169.6	11.28	174.7	11.55	181.5	11.86	186.6	12.08
		50.3	132.3	7.04	143.3	8.41	156.1	9.82	169.6	11.06	174.7	11.33	181.5	11.63	186.6	11.81
		60.8	132.3	6.56	143.3	7.98	156.1	9.36	169.6	10.56	174.7	10.83	181.5	11.11	186.6	11.19
	104	18.3	120.0	8.66	130.0	10.05	141.5	11.72	154.0	13.19	158.5	13.50	164.7	13.83	169.2	14.09
		22.9	120.0	8.49	130.0	9.89	141.5	11.53	154.0	12.98	158.5	13.29	164.7	13.61	169.2	13.87
		45.7	120.0	7.81	130.0	9.25	141.5	10.79	154.0	12.14	158.5	12.43	164.7	12.76	169.2	13.01
		50.3	120.0	7.59	130.0	9.05	141.5	10.57	154.0	11.90	158.5	12.21	164.7	12.52	169.2	12.70
		60.8	120.0	7.09	130.0	8.59	141.5	10.07	154.0	11.35	158.5	11.71	164.7	11.97	169.2	11.99
	113	18.3	107.7	9.27	116.7	10.76	127.0	12.56	138.4	14.11	142.4	14.45	147.9	14.82	151.9	15.09
		22.9	107.7	9.09	116.7	10.59	127.0	12.36	138.4	13.89	142.4	14.22	147.9	14.58	151.9	14.86
		45.7	107.7	8.38	116.7	9.91	127.0	11.55	138.4	12.99	142.4	13.30	147.9	13.65	151.9	13.94
		50.3	107.7	8.14	116.7	9.69	127.0	11.32	138.4	12.74	142.4	13.09	147.9	13.41	151.9	13.60
		60.8	107.7	7.59	116.7	9.19	127.0	10.80	138.4	12.17	142.4	12.61	147.9	12.86	151.9	12.82
110	50	18.3	139.4	3.09	151.1	3.57	164.4	4.19	178.6	4.70	183.9	4.80	191.3	4.95	196.3	5.02
		22.9	139.4	3.02	151.1	3.52	164.4	4.12	178.6	4.62	183.9	4.73	191.3	4.87	196.3	4.94
		45.7	139.4	2.78	151.1	3.29	164.4	3.83	178.6	4.33	183.9	4.45	191.3	4.56	196.3	4.62
		50.3	139.4	2.71	151.1	3.22	164.4	3.74	178.6	4.26	183.9	4.32	191.3	4.47	196.3	4.52
		60.8	139.4	2.55	151.1	3.06	164.4	3.53	178.6	4.10	183.9	4.02	191.3	4.26	196.3	4.29
	59	18.3	138.6	4.13	150.1	4.81	163.4	5.60	177.6	6.31	182.9	6.45	190.1	6.62	195.3	6.73
		22.9	138.6	4.05	150.1	4.73	163.4	5.51	177.6	6.21	182.9	6.35	190.1	6.52	195.3	6.62
		45.7	138.6	3.72	150.1	4.42	163.4	5.15	177.6	5.80	182.9	5.95	190.1	6.10	195.3	6.21
		50.3	138.6	3.63	150.1	4.33	163.4	5.04	177.6	5.69	182.9	5.82	190.1	5.99	195.3	6.06
		60.8	138.6	3.42	150.1	4.12	163.4	4.79	177.6	5.44	182.9	5.52	190.1	5.74	195.3	5.72
	67	18.3	137.9	5.07	149.3	5.90	162.6	6.86	176.8	7.73	182.0	7.92	189.0	8.10	194.5	8.25
		22.9	137.9	4.96	149.3	5.80	162.6	6.75	176.8	7.61	182.0	7.79	189.0	7.98	194.5	8.12
		45.7	137.9	4.56	149.3	5.42	162.6	6.31	176.8	7.12	182.0	7.28	189.0	7.46	194.5	7.61
		50.3	137.9	4.45	149.3	5.31	162.6	6.19	176.8	6.97	182.0	7.15	189.0	7.34	194.5	7.43
		60.8	137.9	4.20	149.3	5.06	162.6	5.92	176.8	6.63	182.0	6.85	189.0	7.07	194.5	7.02
	75	18.3	137.9	6.20	149.3	7.21	162.6	8.40	176.8	9.46	182.0	9.68	189.0	9.92	194.5	10.10
		22.9	137.9	6.08	149.3	7.10	162.6	8.27	176.8	9.31	182.0	9.53	189.0	9.76	194.5	9.95
		45.7	137.9	5.60	149.3	6.64	162.6	7.74	176.8	8.71	182.0	8.92	189.0	9.14	194.5	9.33
		50.3	137.9	5.44	149.3	6.50	162.6	7.57	176.8	8.54	182.0	8.74	189.0	8.98	194.5	9.09
		60.8	137.9	5.07	149.3	6.18	162.6	7.18	176.8	8.15	182.0	8.33	189.0	8.61	194.5	8.54
	86	18.3	137.9	7.56	149.3	8.79	162.6	10.24	176.8	11.54	182.0	11.81	189.0	12.09	194.5	12.31
		22.9	137.9	7.41	149.3	8.65	162.6	10.07	176.8	11.35	182.0	11.63	189.0	11.90	194.5	12.12
		45.7	137.9	6.83	149.3	8.08	162.6	9.42	176.8	10.60	182.0	10.88	189.0	11.15	194.5	11.35
		50.3	137.9	6.64	149.3	7.92	162.6	9.23	176.8	10.40	182.0	10.66	189.0	10.93	194.5	11.08
		60.8	137.9	6.21	149.3	7.55	162.6	8.80	176.8	9.94	182.0	10.16	189.0	10.43	194.5	10.46
	95	18.3	128.4	7.88	139.1	9.14	151.5	10.65	164.7	12.00	169.6	12.28	176.2	12.57	181.1	12.81
		22.9	128.4	7.72	139.1	9.00	151.5	10.48	164.7	11.81	169.6	12.08	176.2	12.37	181.1	12.61
		45.7	128.4	7.10	139.1	8.41	151.5	9.80	164.7	11.04	169.6	11.30	176.2	11.59	181.1	11.81
		50.3	128.4	6.90	139.1	8.23	151.5	9.60	164.7	10.82	169.6	11.10	176.2	11.37	181.1	11.52
		60.8	128.4	6.44	139.1	7.82	151.5	9.14	164.7	10.32	169.6	10.64	176.2	10.87	181.1	10.86

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	18.3	118.9	8.64	128.9	10.06	140.3	11.70	152.6	13.17	157.1	13.48	163.3	13.81	167.8	14.07
		22.9	118.9	8.47	128.9	9.89	140.3	11.52	152.6	12.96	157.1	13.27	163.3	13.60	167.8	13.85
		45.7	118.9	7.79	128.9	9.23	140.3	10.77	152.6	12.12	157.1	12.41	163.3	12.74	167.8	12.98
		50.3	118.9	7.57	128.9	9.03	140.3	10.55	152.6	11.88	157.1	12.19	163.3	12.50	167.8	12.65
		60.8	118.9	7.07	128.9	8.57	140.3	10.05	152.6	11.33	157.1	11.69	163.3	11.95	167.8	11.90
	113	18.3	109.5	9.40	118.8	10.97	129.1	12.76	140.5	14.34	144.7	14.69	150.3	15.05	154.5	15.33
		22.9	109.5	9.22	118.8	10.79	129.1	12.56	140.5	14.11	144.7	14.45	150.3	14.82	154.5	15.09
		45.7	109.5	8.49	118.8	10.06	129.1	11.73	140.5	13.19	144.7	13.52	150.3	13.89	154.5	14.14
		50.3	109.5	8.25	118.8	9.84	129.1	11.50	140.5	12.94	144.7	13.29	150.3	13.63	154.5	13.78
		60.8	109.5	7.70	118.8	9.34	129.1	10.98	140.5	12.37	144.7	12.77	150.3	13.04	154.5	12.96
100	50	18.3	131.0	2.92	141.9	3.40	154.5	3.90	168.0	4.44	173.1	4.51	179.7	4.66	184.8	4.75
		22.9	131.0	2.86	141.9	3.34	154.5	3.84	168.0	4.37	173.1	4.44	179.7	4.58	184.8	4.67
		45.7	131.0	2.63	141.9	3.11	154.5	3.62	168.0	4.09	173.1	4.18	179.7	4.28	184.8	4.37
		50.3	131.0	2.55	141.9	3.04	154.5	3.53	168.0	4.00	173.1	4.09	179.7	4.20	184.8	4.23
		60.8	131.0	2.37	141.9	2.88	154.5	3.32	168.0	3.79	173.1	3.88	179.7	4.02	184.8	3.91
	59	18.3	131.0	3.95	141.9	4.58	154.5	5.32	168.0	6.01	173.1	6.14	179.7	6.31	184.8	6.42
		22.9	131.0	3.87	141.9	4.51	154.5	5.24	168.0	5.91	173.1	6.04	179.7	6.21	184.8	6.31
		45.7	131.0	3.56	141.9	4.22	154.5	4.91	168.0	5.53	173.1	5.66	179.7	5.80	184.8	5.91
		50.3	131.0	3.45	141.9	4.12	154.5	4.80	168.0	5.42	173.1	5.55	179.7	5.69	184.8	5.75
		60.8	131.0	3.20	141.9	3.89	154.5	4.55	168.0	5.17	173.1	5.30	179.7	5.44	184.8	5.38
	67	18.3	131.0	4.86	141.9	5.64	154.5	6.58	168.0	7.40	173.1	7.59	179.7	7.77	184.8	7.90
		22.9	131.0	4.76	141.9	5.55	154.5	6.48	168.0	7.28	173.1	7.46	179.7	7.65	184.8	7.77
		45.7	131.0	4.38	141.9	5.20	154.5	6.06	168.0	6.81	173.1	6.97	179.7	7.15	184.8	7.28
		50.3	131.0	4.25	141.9	5.09	154.5	5.93	168.0	6.68	173.1	6.84	179.7	7.03	184.8	7.10
		60.8	131.0	3.95	141.9	4.84	154.5	5.63	168.0	6.38	173.1	6.54	179.7	6.76	184.8	6.69
	75	18.3	131.0	5.92	141.9	6.88	154.5	8.01	168.0	9.04	173.1	9.26	179.7	9.48	184.8	9.64
		22.9	131.0	5.80	141.9	6.77	154.5	7.88	168.0	8.89	173.1	9.11	179.7	9.33	184.8	9.49
		45.7	131.0	5.35	141.9	6.33	154.5	7.37	168.0	8.30	173.1	8.50	179.7	8.72	184.8	8.89
		50.3	131.0	5.20	141.9	6.21	154.5	7.23	168.0	8.14	173.1	8.34	179.7	8.56	184.8	8.65
		60.8	131.0	4.86	141.9	5.94	154.5	6.91	168.0	7.77	173.1	7.97	179.7	8.19	184.8	8.10
	86	18.3	131.0	7.28	141.9	8.48	154.5	9.87	168.0	11.11	173.1	11.37	179.7	11.65	184.8	11.87
		22.9	131.0	7.14	141.9	8.34	154.5	9.71	168.0	10.93	173.1	11.19	179.7	11.46	184.8	11.68
		45.7	131.0	6.57	141.9	7.79	154.5	9.07	168.0	10.22	173.1	10.46	179.7	10.73	184.8	10.93
		50.3	131.0	6.39	141.9	7.63	154.5	8.89	168.0	10.02	173.1	10.27	179.7	10.53	184.8	10.64
		60.8	131.0	5.98	141.9	7.26	154.5	8.48	168.0	9.56	173.1	9.84	179.7	10.07	184.8	9.98
	95	18.3	124.6	7.69	134.9	8.94	146.8	10.40	159.6	11.72	164.3	12.00	170.8	12.29	175.5	12.52
		22.9	124.6	7.54	134.9	8.80	146.8	10.24	159.6	11.53	164.3	11.81	170.8	12.10	175.5	12.32
		45.7	124.6	6.94	134.9	8.23	146.8	9.58	159.6	10.79	164.3	11.04	170.8	11.33	175.5	11.53
		50.3	124.6	6.75	134.9	8.05	146.8	9.38	159.6	10.59	164.3	10.84	170.8	11.11	175.5	11.22
		60.8	124.6	6.32	134.9	7.64	146.8	8.92	159.6	10.13	164.3	10.38	170.8	10.61	175.5	10.51
	104	18.3	117.9	8.64	127.7	10.03	139.1	11.69	151.2	13.15	155.7	13.47	161.9	13.80	166.2	14.04
		22.9	117.9	8.47	127.7	9.87	139.1	11.50	151.2	12.94	155.7	13.25	161.9	13.58	166.2	13.82
		45.7	117.9	7.77	127.7	9.23	139.1	10.75	151.2	12.10	155.7	12.39	161.9	12.70	166.2	12.94
		50.3	117.9	7.57	127.7	9.03	139.1	10.53	151.2	11.86	155.7	12.15	161.9	12.46	166.2	12.59
		60.8	117.9	7.11	127.7	8.57	139.1	10.03	151.2	11.31	155.7	11.60	161.9	11.91	166.2	11.79
	113	18.3	111.2	9.60	120.5	11.13	131.4	12.97	142.8	14.58	147.2	14.93	152.9	15.31	157.0	15.56
		22.9	111.2	9.40	120.5	10.95	131.4	12.76	142.8	14.34	147.2	14.69	152.9	15.06	157.0	15.31
		45.7	111.2	8.61	120.5	10.24	131.4	11.92	142.8	13.41	147.2	13.74	152.9	14.07	157.0	14.34
		50.3	111.2	8.40	120.5	10.02	131.4	11.68	142.8	13.14	147.2	13.47	152.9	13.82	157.0	13.96
		60.8	111.2	7.92	120.5	9.52	131.4	11.13	142.8	12.52	147.2	12.85	152.9	13.25	157.0	13.09
90	50	18.3	117.9	2.48	127.7	2.88	139.1	3.37	151.2	3.81	155.7	3.88	161.9	3.96	166.2	4.09
		22.9	117.9	2.44	127.7	2.84	139.1	3.32	151.2	3.76	155.7	3.83	161.9	3.91	166.2	4.02
		45.7	117.9	2.27	127.7	2.69	139.1	3.11	151.2	3.53	155.7	3.60	161.9	3.71	166.2	3.76
		50.3	117.9	2.19	127.7	2.60	139.1	3.05	151.2	3.42	155.7	3.53	161.9	3.64	166.2	3.63
		60.8	117.9	2.01	127.7	2.39	139.1	2.91	151.2	3.17	155.7	3.37	161.9	3.48	166.2	3.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM168DAS5



168,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	18.3	117.9	3.39	127.7	3.93	139.1	4.58	151.2	5.17	155.7	5.28	161.9	5.41	166.2	5.53
		22.9	117.9	3.32	127.7	3.87	139.1	4.51	151.2	5.09	155.7	5.20	161.9	5.33	166.2	5.44
		45.7	117.9	3.07	127.7	3.63	139.1	4.22	151.2	4.76	155.7	4.87	161.9	5.00	166.2	5.09
		50.3	117.9	2.97	127.7	3.54	139.1	4.14	151.2	4.65	155.7	4.78	161.9	4.91	166.2	4.95
		60.8	117.9	2.74	127.7	3.33	139.1	3.96	151.2	4.40	155.7	4.57	161.9	4.70	166.2	4.63
	67	18.3	117.9	4.19	127.7	4.86	139.1	5.66	151.2	6.38	155.7	6.53	161.9	6.70	166.2	6.80
		22.9	117.9	4.11	127.7	4.78	139.1	5.57	151.2	6.28	155.7	6.42	161.9	6.59	166.2	6.70
		45.7	117.9	3.78	127.7	4.47	139.1	5.20	151.2	5.86	155.7	6.00	161.9	6.15	166.2	6.28
		50.3	117.9	3.67	127.7	4.38	139.1	5.11	151.2	5.75	155.7	5.89	161.9	6.04	166.2	6.11
		60.8	117.9	3.42	127.7	4.17	139.1	4.90	151.2	5.50	155.7	5.64	161.9	5.79	166.2	5.72
	75	18.3	117.9	5.10	127.7	5.94	139.1	6.90	151.2	7.77	155.7	7.96	161.9	8.16	166.2	8.31
		22.9	117.9	5.00	127.7	5.84	139.1	6.79	151.2	7.65	155.7	7.83	161.9	8.03	166.2	8.18
		45.7	117.9	4.60	127.7	5.46	139.1	6.35	151.2	7.15	155.7	7.32	161.9	7.52	166.2	7.65
		50.3	117.9	4.47	127.7	5.33	139.1	6.22	151.2	7.01	155.7	7.19	161.9	7.37	166.2	7.45
		60.8	117.9	4.17	127.7	5.03	139.1	5.92	151.2	6.69	155.7	6.89	161.9	7.03	166.2	6.99
	86	18.3	117.9	6.27	127.7	7.29	139.1	8.50	151.2	9.57	155.7	9.79	161.9	10.03	166.2	10.22
		22.9	117.9	6.15	127.7	7.17	139.1	8.36	151.2	9.42	155.7	9.64	161.9	9.87	166.2	10.06
		45.7	117.9	5.66	127.7	6.70	139.1	7.81	151.2	8.80	155.7	9.02	161.9	9.23	166.2	9.40
		50.3	117.9	5.49	127.7	6.57	139.1	7.65	151.2	8.63	155.7	8.83	161.9	9.07	166.2	9.16
		60.8	117.9	5.10	127.7	6.27	139.1	7.28	151.2	8.24	155.7	8.40	161.9	8.70	166.2	8.61
	95	18.3	114.7	6.78	124.2	7.87	135.2	9.16	147.0	10.31	151.4	10.55	157.3	10.81	161.7	11.02
		22.9	114.7	6.64	124.2	7.74	135.2	9.02	147.0	10.15	151.4	10.38	157.3	10.64	161.7	10.84
		45.7	114.7	6.10	124.2	7.23	135.2	8.43	147.0	9.49	151.4	9.71	157.3	9.96	161.7	10.15
		50.3	114.7	5.93	124.2	7.08	135.2	8.25	147.0	9.31	151.4	9.54	157.3	9.78	161.7	9.87
		60.8	114.7	5.54	124.2	6.74	135.2	7.84	147.0	8.90	151.4	9.15	157.3	9.37	161.7	9.23
	104	18.3	111.4	7.79	120.7	9.04	131.4	10.51	142.8	11.86	147.2	12.13	152.8	12.43	157.1	12.64
		22.9	111.4	7.63	120.7	8.89	131.4	10.35	142.8	11.66	147.2	11.94	152.8	12.23	157.1	12.45
		45.7	111.4	7.01	120.7	8.30	131.4	9.69	142.8	10.90	147.2	11.17	152.8	11.44	157.1	11.66
		50.3	111.4	6.81	120.7	8.14	131.4	9.49	142.8	10.69	147.2	10.95	152.8	11.24	157.1	11.35
		60.8	111.4	6.35	120.7	7.77	131.4	9.03	142.8	10.21	147.2	10.45	152.8	10.78	157.1	10.64
	113	18.3	108.1	8.79	117.2	10.20	127.5	11.86	138.6	13.40	142.9	13.70	148.2	14.04	152.6	14.27
		22.9	108.1	8.61	117.2	10.04	127.5	11.68	138.6	13.18	142.9	13.49	148.2	13.82	152.6	14.05
		45.7	108.1	7.92	117.2	9.38	127.5	10.95	138.6	12.30	142.9	12.63	148.2	12.92	152.6	13.18
		50.3	108.1	7.68	117.2	9.20	127.5	10.73	138.6	12.08	142.9	12.36	148.2	12.70	152.6	12.83
		60.8	108.1	7.13	117.2	8.79	127.5	10.23	138.6	11.58	142.9	11.74	148.2	12.20	152.6	12.03
80	50	18.3	104.8	2.12	113.5	2.42	123.7	2.81	134.4	3.22	138.4	3.26	143.8	3.36	147.9	3.39
		22.9	104.8	2.07	113.5	2.39	123.7	2.77	134.4	3.16	138.4	3.21	143.8	3.30	147.9	3.33
		45.7	104.8	1.88	113.5	2.27	123.7	2.62	134.4	2.93	138.4	3.02	143.8	3.07	147.9	3.12
		50.3	104.8	1.86	113.5	2.19	123.7	2.56	134.4	2.88	138.4	2.93	143.8	3.02	147.9	3.05
		60.8	104.8	1.81	113.5	2.01	123.7	2.42	134.4	2.77	138.4	2.72	143.8	2.91	147.9	2.89
	59	18.3	104.8	2.85	113.5	3.30	123.7	3.84	134.4	4.34	138.4	4.43	143.8	4.55	147.9	4.62
		22.9	104.8	2.79	113.5	3.25	123.7	3.78	134.4	4.27	138.4	4.36	143.8	4.47	147.9	4.54
		45.7	104.8	2.56	113.5	3.05	123.7	3.54	134.4	3.98	138.4	4.09	143.8	4.18	147.9	4.25
		50.3	104.8	2.50	113.5	2.97	123.7	3.47	134.4	3.91	138.4	4.00	143.8	4.11	147.9	4.14
		60.8	104.8	2.36	113.5	2.79	123.7	3.31	134.4	3.75	138.4	3.79	143.8	3.95	147.9	3.89
	67	18.3	104.8	3.50	113.5	4.08	123.7	4.75	134.4	5.34	138.4	5.47	143.8	5.60	147.9	5.71
		22.9	104.8	3.43	113.5	4.02	123.7	4.67	134.4	5.26	138.4	5.38	143.8	5.51	147.9	5.62
		45.7	104.8	3.16	113.5	3.74	123.7	4.36	134.4	4.91	138.4	5.04	143.8	5.16	147.9	5.26
		50.3	104.8	3.07	113.5	3.67	123.7	4.27	134.4	4.82	138.4	4.95	143.8	5.07	147.9	5.11
		60.8	104.8	2.86	113.5	3.51	123.7	4.06	134.4	4.61	138.4	4.74	143.8	4.86	147.9	4.77
	75	18.3	104.8	4.29	113.5	4.97	123.7	5.79	134.4	6.51	138.4	6.68	143.8	6.84	147.9	6.95
		22.9	104.8	4.20	113.5	4.89	123.7	5.69	134.4	6.41	138.4	6.57	143.8	6.73	147.9	6.84
		45.7	104.8	3.85	113.5	4.56	123.7	5.33	134.4	6.00	138.4	6.13	143.8	6.30	147.9	6.41
		50.3	104.8	3.74	113.5	4.47	123.7	5.22	134.4	5.88	138.4	6.02	143.8	6.19	147.9	6.24
		60.8	104.8	3.49	113.5	4.26	123.7	4.97	134.4	5.61	138.4	5.77	143.8	5.94	147.9	5.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	18.3	104.8	5.25	113.5	6.10	123.7	7.12	134.4	8.01	138.4	8.20	143.8	8.40	147.9	8.57
		22.9	104.8	5.15	113.5	6.00	123.7	7.01	134.4	7.88	138.4	8.07	143.8	8.27	147.9	8.43
		45.7	104.8	4.75	113.5	5.62	123.7	6.55	134.4	7.37	138.4	7.56	143.8	7.74	147.9	7.88
		50.3	104.8	4.62	113.5	5.49	123.7	6.41	134.4	7.23	138.4	7.41	143.8	7.59	147.9	7.68
		60.8	104.8	4.32	113.5	5.19	123.7	6.09	134.4	6.91	138.4	7.07	143.8	7.25	147.9	7.22
	95	18.3	104.8	5.85	113.5	6.79	123.7	7.90	134.4	8.90	138.4	9.13	143.8	9.35	147.9	9.51
		22.9	104.8	5.73	113.5	6.68	123.7	7.77	134.4	8.76	138.4	8.98	143.8	9.20	147.9	9.36
		45.7	104.8	5.27	113.5	6.24	123.7	7.28	134.4	8.19	138.4	8.40	143.8	8.60	147.9	8.76
		50.3	104.8	5.13	113.5	6.11	123.7	7.14	134.4	8.03	138.4	8.23	143.8	8.45	147.9	8.52
		60.8	104.8	4.81	113.5	5.81	123.7	6.82	134.4	7.66	138.4	7.84	143.8	8.11	147.9	7.97
	104	18.3	104.8	6.93	113.5	8.05	123.7	9.37	134.4	10.55	138.4	10.80	143.8	11.08	147.9	11.26
		22.9	104.8	6.79	113.5	7.92	123.7	9.22	134.4	10.38	138.4	10.62	143.8	10.90	147.9	11.08
		45.7	104.8	6.24	113.5	7.39	123.7	8.61	134.4	9.71	138.4	9.93	143.8	10.18	147.9	10.37
		50.3	104.8	6.06	113.5	7.25	123.7	8.43	134.4	9.51	138.4	9.75	143.8	10.00	147.9	10.09
		60.8	104.8	5.65	113.5	6.93	123.7	8.02	134.4	9.05	138.4	9.34	143.8	9.59	147.9	9.45
	113	18.3	104.8	8.01	113.5	9.32	123.7	10.84	134.4	12.21	138.4	12.47	143.8	12.80	147.9	13.00
		22.9	104.8	7.85	113.5	9.16	123.7	10.66	134.4	12.01	138.4	12.26	143.8	12.59	147.9	12.79
		45.7	104.8	7.21	113.5	8.54	123.7	9.95	134.4	11.22	138.4	11.46	143.8	11.77	147.9	11.97
		50.3	104.8	6.99	113.5	8.38	123.7	9.73	134.4	10.99	138.4	11.26	143.8	11.55	147.9	11.66
		60.8	104.8	6.49	113.5	8.01	123.7	9.23	134.4	10.47	138.4	10.80	143.8	11.05	147.9	10.95
70	50	18.3	91.8	1.73	99.3	2.02	108.3	2.33	117.5	2.63	121.1	2.73	125.8	2.80	129.3	2.81
		22.9	91.8	1.70	99.3	1.98	108.3	2.30	117.5	2.60	121.1	2.69	125.8	2.76	129.3	2.77
		45.7	91.8	1.58	99.3	1.84	108.3	2.16	117.5	2.46	121.1	2.51	125.8	2.58	129.3	2.62
		50.3	91.8	1.55	99.3	1.81	108.3	2.12	117.5	2.39	121.1	2.44	125.8	2.51	129.3	2.55
		60.8	91.8	1.48	99.3	1.74	108.3	2.03	117.5	2.23	121.1	2.28	125.8	2.35	129.3	2.39
	59	18.3	91.8	2.36	99.3	2.75	108.3	3.19	117.5	3.60	121.1	3.69	125.8	3.78	129.3	3.84
		22.9	91.8	2.32	99.3	2.70	108.3	3.14	117.5	3.54	121.1	3.63	125.8	3.72	129.3	3.78
		45.7	91.8	2.14	99.3	2.52	108.3	2.94	117.5	3.32	121.1	3.39	125.8	3.49	129.3	3.54
		50.3	91.8	2.08	99.3	2.46	108.3	2.88	117.5	3.25	121.1	3.32	125.8	3.41	129.3	3.45
		60.8	91.8	1.94	99.3	2.32	108.3	2.74	117.5	3.09	121.1	3.16	125.8	3.23	129.3	3.24
	67	18.3	91.8	2.93	99.3	3.40	108.3	3.95	117.5	4.45	121.1	4.55	125.8	4.65	129.3	4.75
		22.9	91.8	2.87	99.3	3.34	108.3	3.89	117.5	4.38	121.1	4.47	125.8	4.58	129.3	4.67
		45.7	91.8	2.63	99.3	3.12	108.3	3.63	117.5	4.09	121.1	4.18	125.8	4.29	129.3	4.36
		50.3	91.8	2.56	99.3	3.05	108.3	3.56	117.5	4.02	121.1	4.11	125.8	4.22	129.3	4.25
		60.8	91.8	2.40	99.3	2.89	108.3	3.40	117.5	3.86	121.1	3.95	125.8	4.06	129.3	4.00
	75	18.3	91.8	3.55	99.3	4.14	108.3	4.80	117.5	5.42	121.1	5.54	125.8	5.67	129.3	5.79
		22.9	91.8	3.49	99.3	4.07	108.3	4.73	117.5	5.33	121.1	5.46	125.8	5.58	129.3	5.69
		45.7	91.8	3.21	99.3	3.80	108.3	4.43	117.5	4.98	121.1	5.11	125.8	5.24	129.3	5.33
		50.3	91.8	3.12	99.3	3.72	108.3	4.34	117.5	4.89	121.1	5.00	125.8	5.13	129.3	5.18
		60.8	91.8	2.91	99.3	3.54	108.3	4.13	117.5	4.68	121.1	4.75	125.8	4.88	129.3	4.84
	86	18.3	91.8	4.38	99.3	5.08	108.3	5.92	117.5	6.66	121.1	6.83	125.8	6.99	129.3	7.12
		22.9	91.8	4.29	99.3	5.00	108.3	5.82	117.5	6.55	121.1	6.72	125.8	6.88	129.3	7.01
		45.7	91.8	3.94	99.3	4.67	108.3	5.44	117.5	6.13	121.1	6.28	125.8	6.44	129.3	6.55
		50.3	91.8	3.83	99.3	4.58	108.3	5.33	117.5	6.00	121.1	6.17	125.8	6.31	129.3	6.39
		60.8	91.8	3.58	99.3	4.37	108.3	5.08	117.5	5.70	121.1	5.92	125.8	6.01	129.3	6.02
	95	18.3	91.8	4.86	99.3	5.64	108.3	6.59	117.5	7.40	121.1	7.59	125.8	7.77	129.3	7.90
		22.9	91.8	4.76	99.3	5.55	108.3	6.48	117.5	7.28	121.1	7.46	125.8	7.65	129.3	7.77
		45.7	91.8	4.38	99.3	5.20	108.3	6.04	117.5	6.81	121.1	6.97	125.8	7.15	129.3	7.28
		50.3	91.8	4.25	99.3	5.07	108.3	5.93	117.5	6.68	121.1	6.84	125.8	7.03	129.3	7.10
		60.8	91.8	3.95	99.3	4.77	108.3	5.68	117.5	6.38	121.1	6.54	125.8	6.76	129.3	6.69
	104	18.3	91.8	5.75	99.3	6.68	108.3	7.79	117.5	8.78	121.1	8.98	125.8	9.20	129.3	9.36
		22.9	91.8	5.64	99.3	6.57	108.3	7.67	117.5	8.63	121.1	8.83	125.8	9.05	129.3	9.22
		45.7	91.8	5.18	99.3	6.15	108.3	7.17	117.5	8.07	121.1	8.27	125.8	8.47	129.3	8.63
		50.3	91.8	5.04	99.3	6.02	108.3	7.01	117.5	7.90	121.1	8.10	125.8	8.32	129.3	8.40
		60.8	91.8	4.72	99.3	5.72	108.3	6.64	117.5	7.51	121.1	7.71	125.8	7.98	129.3	7.88

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA

ARWM168DAS5

168,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	18.3	91.8	6.65	99.3	7.72	108.3	8.99	117.5	10.15	121.1	10.36	125.8	10.63	129.3	10.83
		22.9	91.8	6.52	99.3	7.59	108.3	8.85	117.5	9.98	121.1	10.20	125.8	10.46	129.3	10.66
		45.7	91.8	5.99	99.3	7.10	108.3	8.30	117.5	9.33	121.1	9.56	125.8	9.78	129.3	9.98
		50.3	91.8	5.82	99.3	6.97	108.3	8.08	117.5	9.13	121.1	9.36	125.8	9.62	129.3	9.69
		60.8	91.8	5.43	99.3	6.67	108.3	7.58	117.5	8.67	121.1	8.90	125.8	9.25	129.3	9.03
60	50	18.3	78.7	1.38	85.1	1.61	92.7	1.84	100.7	2.13	103.9	2.18	107.9	2.21	110.9	2.24
		22.9	78.7	1.35	85.1	1.58	92.7	1.82	100.7	2.09	103.9	2.14	107.9	2.18	110.9	2.21
		45.7	78.7	1.25	85.1	1.47	92.7	1.74	100.7	1.95	103.9	1.98	107.9	2.06	110.9	2.09
		50.3	78.7	1.19	85.1	1.46	92.7	1.70	100.7	1.91	103.9	1.95	107.9	2.00	110.9	2.04
		60.8	78.7	1.05	85.1	1.44	92.7	1.61	100.7	1.82	103.9	1.88	107.9	1.86	110.9	1.93
	59	18.3	78.7	1.88	85.1	2.19	92.7	2.54	100.7	2.87	103.9	2.95	107.9	3.00	110.9	3.06
		22.9	78.7	1.84	85.1	2.15	92.7	2.50	100.7	2.83	103.9	2.90	107.9	2.96	110.9	3.01
		45.7	78.7	1.70	85.1	2.01	92.7	2.35	100.7	2.65	103.9	2.70	107.9	2.77	110.9	2.83
		50.3	78.7	1.64	85.1	1.97	92.7	2.30	100.7	2.59	103.9	2.65	107.9	2.72	110.9	2.76
		60.8	78.7	1.50	85.1	1.88	92.7	2.19	100.7	2.45	103.9	2.54	107.9	2.61	110.9	2.60
	67	18.3	78.7	2.33	85.1	2.71	92.7	3.15	100.7	3.54	103.9	3.64	107.9	3.71	110.9	3.78
		22.9	78.7	2.28	85.1	2.66	92.7	3.10	100.7	3.49	103.9	3.58	107.9	3.65	110.9	3.72
		45.7	78.7	2.10	85.1	2.48	92.7	2.90	100.7	3.27	103.9	3.34	107.9	3.41	110.9	3.49
		50.3	78.7	2.04	85.1	2.43	92.7	2.83	100.7	3.19	103.9	3.27	107.9	3.36	110.9	3.39
		60.8	78.7	1.90	85.1	2.32	92.7	2.67	100.7	3.01	103.9	3.11	107.9	3.25	110.9	3.16
	75	18.3	78.7	2.83	85.1	3.30	92.7	3.84	100.7	4.32	103.9	4.41	107.9	4.52	110.9	4.62
		22.9	78.7	2.77	85.1	3.25	92.7	3.78	100.7	4.25	103.9	4.34	107.9	4.45	110.9	4.54
		45.7	78.7	2.56	85.1	3.03	92.7	3.52	100.7	3.98	103.9	4.07	107.9	4.18	110.9	4.25
		50.3	78.7	2.48	85.1	2.96	92.7	3.45	100.7	3.89	103.9	4.00	107.9	4.09	110.9	4.14
		60.8	78.7	2.30	85.1	2.80	92.7	3.29	100.7	3.68	103.9	3.84	107.9	3.88	110.9	3.89
	86	18.3	78.7	3.48	85.1	4.04	92.7	4.71	100.7	5.30	103.9	5.43	107.9	5.56	110.9	5.68
		22.9	78.7	3.41	85.1	3.98	92.7	4.64	100.7	5.22	103.9	5.35	107.9	5.48	110.9	5.58
		45.7	78.7	3.14	85.1	3.72	92.7	4.34	100.7	4.89	103.9	5.00	107.9	5.13	110.9	5.22
		50.3	78.7	3.05	85.1	3.65	92.7	4.25	100.7	4.80	103.9	4.91	107.9	5.04	110.9	5.09
		60.8	78.7	2.84	85.1	3.49	92.7	4.04	100.7	4.59	103.9	4.70	107.9	4.83	110.9	4.79
	95	18.3	78.7	3.87	85.1	4.51	92.7	5.25	100.7	5.90	103.9	6.05	107.9	6.20	110.9	6.31
		22.9	78.7	3.80	85.1	4.43	92.7	5.16	100.7	5.80	103.9	5.95	107.9	6.10	110.9	6.21
		45.7	78.7	3.49	85.1	4.14	92.7	4.82	100.7	5.44	103.9	5.57	107.9	5.69	110.9	5.80
		50.3	78.7	3.39	85.1	4.05	92.7	4.73	100.7	5.33	103.9	5.46	107.9	5.60	110.9	5.66
		60.8	78.7	3.16	85.1	3.84	92.7	4.52	100.7	5.08	103.9	5.21	107.9	5.39	110.9	5.34
	104	18.3	78.7	4.58	85.1	5.32	92.7	6.22	100.7	7.00	103.9	7.16	107.9	7.32	110.9	7.47
		22.9	78.7	4.49	85.1	5.24	92.7	6.11	100.7	6.88	103.9	7.04	107.9	7.21	110.9	7.35
		45.7	78.7	4.14	85.1	4.91	92.7	5.71	100.7	6.42	103.9	6.59	107.9	6.75	110.9	6.88
		50.3	78.7	4.02	85.1	4.80	92.7	5.60	100.7	6.30	103.9	6.46	107.9	6.62	110.9	6.70
		60.8	78.7	3.75	85.1	4.55	92.7	5.35	100.7	6.03	103.9	6.16	107.9	6.32	110.9	6.29
	113	18.3	78.7	5.28	85.1	6.13	92.7	7.18	100.7	8.10	103.9	8.27	107.9	8.45	110.9	8.64
		22.9	78.7	5.18	85.1	6.04	92.7	7.06	100.7	7.96	103.9	8.14	107.9	8.32	110.9	8.50
		45.7	78.7	4.80	85.1	5.68	92.7	6.61	100.7	7.41	103.9	7.61	107.9	7.81	110.9	7.96
		50.3	78.7	4.64	85.1	5.55	92.7	6.48	100.7	7.26	103.9	7.46	107.9	7.65	110.9	7.74
		60.8	78.7	4.27	85.1	5.25	92.7	6.18	100.7	6.92	103.9	7.12	107.9	7.28	110.9	7.24
50	50	18.3	65.5	1.02	70.9	1.19	77.3	1.43	84.1	1.57	86.5	1.60	89.9	1.67	92.3	1.68
		22.9	65.5	1.00	70.9	1.17	77.3	1.41	84.1	1.54	86.5	1.58	89.9	1.63	92.3	1.65
		45.7	65.5	0.91	70.9	1.11	77.3	1.30	84.1	1.46	86.5	1.51	89.9	1.51	92.3	1.54
		50.3	65.5	0.89	70.9	1.11	77.3	1.26	84.1	1.42	86.5	1.44	89.9	1.49	92.3	1.49
		60.8	65.5	0.84	70.9	1.11	77.3	1.17	84.1	1.33	86.5	1.28	89.9	1.44	92.3	1.38
	59	18.3	65.5	1.40	70.9	1.63	77.3	1.91	84.1	2.13	86.5	2.19	89.9	2.25	92.3	2.28
		22.9	65.5	1.37	70.9	1.61	77.3	1.88	84.1	2.10	86.5	2.15	89.9	2.21	92.3	2.24
		45.7	65.5	1.26	70.9	1.50	77.3	1.75	84.1	1.97	86.5	2.03	89.9	2.06	92.3	2.10
		50.3	65.5	1.22	70.9	1.48	77.3	1.72	84.1	1.93	86.5	1.97	89.9	2.03	92.3	2.04
		60.8	65.5	1.13	70.9	1.43	77.3	1.65	84.1	1.84	86.5	1.83	89.9	1.96	92.3	1.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	18.3	65.5	1.73	70.9	2.03	77.3	2.34	84.1	2.63	86.5	2.71	89.9	2.76	92.3	2.82
		22.9	65.5	1.70	70.9	1.99	77.3	2.30	84.1	2.59	86.5	2.66	89.9	2.72	92.3	2.77
		45.7	65.5	1.57	70.9	1.84	77.3	2.15	84.1	2.43	86.5	2.48	89.9	2.56	92.3	2.59
		50.3	65.5	1.51	70.9	1.81	77.3	2.12	84.1	2.39	86.5	2.45	89.9	2.50	92.3	2.54
		60.8	65.5	1.37	70.9	1.74	77.3	2.05	84.1	2.30	86.5	2.38	89.9	2.36	92.3	2.43
	75	18.3	65.5	2.10	70.9	2.45	77.3	2.86	84.1	3.23	86.5	3.30	89.9	3.38	92.3	3.43
		22.9	65.5	2.06	70.9	2.41	77.3	2.81	84.1	3.18	86.5	3.25	89.9	3.32	92.3	3.38
		45.7	65.5	1.90	70.9	2.26	77.3	2.63	84.1	2.96	86.5	3.03	89.9	3.10	92.3	3.18
		50.3	65.5	1.84	70.9	2.21	77.3	2.57	84.1	2.90	86.5	2.97	89.9	3.05	92.3	3.08
		60.8	65.5	1.70	70.9	2.10	77.3	2.43	84.1	2.76	86.5	2.83	89.9	2.94	92.3	2.85
	86	18.3	65.5	2.61	70.9	3.03	77.3	3.53	84.1	3.97	86.5	4.07	89.9	4.15	92.3	4.23
		22.9	65.5	2.56	70.9	2.97	77.3	3.47	84.1	3.91	86.5	4.00	89.9	4.09	92.3	4.16
		45.7	65.5	2.34	70.9	2.77	77.3	3.23	84.1	3.65	86.5	3.72	89.9	3.83	92.3	3.89
		50.3	65.5	2.28	70.9	2.72	77.3	3.18	84.1	3.58	86.5	3.67	89.9	3.76	92.3	3.80
		60.8	65.5	2.14	70.9	2.61	77.3	3.07	84.1	3.42	86.5	3.56	89.9	3.60	92.3	3.59
	95	18.3	65.5	2.88	70.9	3.36	77.3	3.92	84.1	4.39	86.5	4.51	89.9	4.62	92.3	4.69
		22.9	65.5	2.83	70.9	3.30	77.3	3.85	84.1	4.33	86.5	4.43	89.9	4.54	92.3	4.62
		45.7	65.5	2.61	70.9	3.08	77.3	3.60	84.1	4.05	86.5	4.14	89.9	4.25	92.3	4.33
		50.3	65.5	2.54	70.9	3.03	77.3	3.52	84.1	3.98	86.5	4.07	89.9	4.18	92.3	4.22
		60.8	65.5	2.38	70.9	2.92	77.3	3.34	84.1	3.82	86.5	3.91	89.9	4.02	92.3	3.97
	104	18.3	65.5	3.43	70.9	3.97	77.3	4.64	84.1	5.21	86.5	5.34	89.9	5.47	92.3	5.56
		22.9	65.5	3.36	70.9	3.91	77.3	4.56	84.1	5.13	86.5	5.26	89.9	5.38	92.3	5.48
		45.7	65.5	3.08	70.9	3.65	77.3	4.25	84.1	4.80	86.5	4.91	89.9	5.04	92.3	5.13
		50.3	65.5	2.99	70.9	3.58	77.3	4.18	84.1	4.71	86.5	4.82	89.9	4.95	92.3	4.98
		60.8	65.5	2.78	70.9	3.42	77.3	4.02	84.1	4.50	86.5	4.61	89.9	4.74	92.3	4.64
	113	18.3	65.5	3.97	70.9	4.58	77.3	5.37	84.1	6.03	86.5	6.18	89.9	6.32	92.3	6.43
		22.9	65.5	3.89	70.9	4.51	77.3	5.27	84.1	5.93	86.5	6.08	89.9	6.22	92.3	6.33
		45.7	65.5	3.56	70.9	4.22	77.3	4.91	84.1	5.55	86.5	5.68	89.9	5.82	92.3	5.93
		50.3	65.5	3.45	70.9	4.12	77.3	4.84	84.1	5.44	86.5	5.57	89.9	5.71	92.3	5.75
		60.8	65.5	3.20	70.9	3.89	77.3	4.68	84.1	5.19	86.5	5.32	89.9	5.46	92.3	5.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM192DAS5

192,000 Btu/h 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	50	20.3	178.5	4.44	193.4	5.21	210.4	6.06	228.6	6.79	235.7	6.95	244.9	7.18	251.7	7.28
		25.4	178.5	4.36	193.4	5.11	210.4	5.96	228.6	6.68	235.7	6.84	244.9	7.05	251.7	7.17
		50.7	178.5	4.04	193.4	4.74	210.4	5.54	228.6	6.25	235.7	6.44	244.9	6.57	251.7	6.73
		55.8	178.5	3.93	193.4	4.68	210.4	5.45	228.6	6.11	235.7	6.30	244.9	6.46	251.7	6.55
		60.8	178.5	3.82	193.4	4.62	210.4	5.36	228.6	5.97	235.7	6.16	244.9	6.35	251.7	6.37
	59	20.3	175.6	5.85	190.2	6.82	207.0	7.95	225.0	8.93	231.8	9.14	240.9	9.38	247.7	9.54
		25.4	175.6	5.74	190.2	6.71	207.0	7.82	225.0	8.78	231.8	9.00	240.9	9.23	247.7	9.40
		50.7	175.6	5.29	190.2	6.26	207.0	7.30	225.0	8.22	231.8	8.43	240.9	8.64	247.7	8.83
		55.8	175.6	5.15	190.2	6.14	207.0	7.15	225.0	8.05	231.8	8.26	240.9	8.48	247.7	8.62
		60.8	175.6	5.01	190.2	6.02	207.0	7.00	225.0	7.88	231.8	8.09	240.9	8.32	247.7	8.41
	67	20.3	173.0	7.11	187.4	8.25	204.0	9.62	221.8	10.82	228.4	11.09	237.2	11.34	244.1	11.55
		25.4	173.0	6.97	187.4	8.12	204.0	9.47	221.8	10.65	228.4	10.91	237.2	11.17	244.1	11.38
		50.7	173.0	6.40	187.4	7.60	204.0	8.85	221.8	9.96	228.4	10.20	237.2	10.48	244.1	10.70
		55.8	173.0	6.23	187.4	7.44	204.0	8.67	221.8	9.78	228.4	10.01	237.2	10.27	244.1	10.46
		60.8	173.0	6.06	187.4	7.28	204.0	8.49	221.8	9.60	228.4	9.82	237.2	10.06	244.1	10.22
	75	20.3	173.0	8.77	187.4	10.17	204.0	11.85	221.8	13.37	228.4	13.68	237.2	14.00	244.1	14.24
		25.4	173.0	8.59	187.4	10.01	204.0	11.66	221.8	13.15	228.4	13.46	237.2	13.79	244.1	14.03
		50.7	173.0	7.91	187.4	9.37	204.0	10.91	221.8	12.28	228.4	12.58	237.2	12.94	244.1	13.18
		55.8	173.0	7.67	187.4	9.16	204.0	10.70	221.8	12.04	228.4	12.35	237.2	12.68	244.1	12.89
		60.8	173.0	7.43	187.4	8.95	204.0	10.49	221.8	11.80	228.4	12.12	237.2	12.43	244.1	12.61
	86	20.3	173.0	10.53	187.4	12.22	204.0	14.23	221.8	16.03	228.4	16.41	237.2	16.81	244.1	17.09
		25.4	173.0	10.32	187.4	12.02	204.0	14.00	221.8	15.77	228.4	16.15	237.2	16.55	244.1	16.83
		50.7	173.0	9.47	187.4	11.24	204.0	13.10	221.8	14.73	228.4	15.11	237.2	15.51	244.1	15.82
		55.8	173.0	9.21	187.4	11.00	204.0	12.82	221.8	14.45	228.4	14.83	237.2	15.21	244.1	15.47
		60.8	173.0	8.96	187.4	10.76	204.0	12.55	221.8	14.18	228.4	14.56	237.2	14.92	244.1	15.13
	95	20.3	155.8	10.62	168.6	12.36	183.6	14.40	199.6	16.19	205.6	16.61	213.6	17.01	219.6	17.28
		25.4	155.8	10.41	168.6	12.16	183.6	14.17	199.6	15.94	205.6	16.34	213.6	16.74	219.6	17.02
		50.7	155.8	9.59	168.6	11.36	183.6	13.25	199.6	14.92	205.6	15.28	213.6	15.68	219.6	16.01
		55.8	155.8	9.33	168.6	11.12	183.6	12.96	199.6	14.62	205.6	14.99	213.6	15.37	219.6	15.63
		60.8	155.8	9.08	168.6	10.88	183.6	12.68	199.6	14.33	205.6	14.71	213.6	15.07	219.6	15.26
	104	20.3	138.3	11.23	150.0	13.03	163.2	15.19	177.4	17.09	182.8	17.49	189.8	17.91	195.2	18.24
		25.4	138.3	11.00	150.0	12.82	163.2	14.95	177.4	16.81	182.8	17.21	189.8	17.64	195.2	17.97
		50.7	138.3	10.11	150.0	11.99	163.2	13.98	177.4	15.73	182.8	16.13	189.8	16.55	195.2	16.88
		55.8	138.3	9.82	150.0	11.73	163.2	13.67	177.4	15.42	182.8	15.82	189.8	16.22	195.2	16.50
		60.8	138.3	9.54	150.0	11.48	163.2	13.37	177.4	15.12	182.8	15.52	189.8	15.90	195.2	16.13
	113	20.3	120.9	11.84	131.3	13.70	142.7	15.98	155.2	17.98	160.0	18.37	166.0	18.82	170.8	19.20
		25.4	120.9	11.59	131.3	13.48	142.7	15.73	155.2	17.68	160.0	18.09	166.0	18.53	170.8	18.91
		50.7	120.9	10.63	131.3	12.63	142.7	14.71	155.2	16.53	160.0	16.98	166.0	17.43	170.8	17.76
		55.8	120.9	10.32	131.3	12.35	142.7	14.38	155.2	16.22	160.0	16.65	166.0	17.07	170.8	17.38
		60.8	120.9	10.02	131.3	12.08	142.7	14.06	155.2	15.92	160.0	16.33	166.0	16.72	170.8	17.01
120	50	20.3	169.0	4.23	182.8	4.94	199.3	5.71	216.5	6.44	222.9	6.64	231.7	6.80	238.1	6.87
		25.4	169.0	4.15	182.8	4.86	199.3	5.63	216.5	6.33	222.9	6.52	231.7	6.68	238.1	6.77
		50.7	169.0	3.80	182.8	4.54	199.3	5.29	216.5	5.92	222.9	6.06	231.7	6.22	238.1	6.36
		55.8	169.0	3.69	182.8	4.39	199.3	5.17	216.5	5.78	222.9	5.97	231.7	6.11	238.1	6.22
		60.8	169.0	3.58	182.8	4.24	199.3	5.05	216.5	5.64	222.9	5.88	231.7	6.00	238.1	6.08
	59	20.3	167.0	5.61	180.8	6.53	197.0	7.58	214.0	8.54	220.4	8.76	229.0	8.97	235.4	9.11
		25.4	167.0	5.50	180.8	6.42	197.0	7.46	214.0	8.41	220.4	8.62	229.0	8.83	235.4	8.97
		50.7	167.0	5.05	180.8	6.00	197.0	6.99	214.0	7.86	220.4	8.05	229.0	8.26	235.4	8.43
		55.8	167.0	4.91	180.8	5.86	197.0	6.85	214.0	7.70	220.4	7.91	229.0	8.10	235.4	8.24
		60.8	167.0	4.77	180.8	5.72	197.0	6.71	214.0	7.54	220.4	7.77	229.0	7.94	235.4	8.05
	67	20.3	165.2	6.84	179.0	7.95	195.0	9.24	211.8	10.41	218.2	10.65	226.6	10.91	233.0	11.10
		25.4	165.2	6.71	179.0	7.82	195.0	9.09	211.8	10.25	218.2	10.48	226.6	10.74	233.0	10.93
		50.7	165.2	6.16	179.0	7.30	195.0	8.50	211.8	9.59	218.2	9.82	226.6	10.08	233.0	10.27
		55.8	165.2	6.00	179.0	7.15	195.0	8.33	211.8	9.40	218.2	9.63	226.6	9.87	233.0	10.03
		60.8	165.2	5.84	179.0	7.00	195.0	8.16	211.8	9.21	218.2	9.44	226.6	9.66	233.0	9.79

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

### 192,000 Btu/h 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	20.3	165.2	8.41	179.0	9.77	195.0	11.38	211.8	12.79	218.2	13.10	226.6	13.44	233.0	13.67
		25.4	165.2	8.24	179.0	9.61	195.0	11.19	211.8	12.58	218.2	12.89	226.6	13.22	233.0	13.46
		50.7	165.2	7.58	179.0	8.97	195.0	10.46	211.8	11.78	218.2	12.07	226.6	12.37	233.0	12.63
		55.8	165.2	7.37	179.0	8.78	195.0	10.25	211.8	11.55	218.2	11.83	226.6	12.14	233.0	12.33
		60.8	165.2	7.16	179.0	8.59	195.0	10.04	211.8	11.32	218.2	11.59	226.6	11.91	233.0	12.04
	86	20.3	165.2	10.14	179.0	11.81	195.0	13.76	211.8	15.48	218.2	15.83	226.6	16.24	233.0	16.52
		25.4	165.2	9.94	179.0	11.62	195.0	13.53	211.8	15.23	218.2	15.58	226.6	15.98	233.0	16.27
		50.7	165.2	9.16	179.0	10.86	195.0	12.63	211.8	14.24	218.2	14.59	226.6	14.97	233.0	15.25
		55.8	165.2	8.90	179.0	10.63	195.0	12.37	211.8	13.95	218.2	14.31	226.6	14.69	233.0	14.90
		60.8	165.2	8.65	179.0	10.40	195.0	12.12	211.8	13.67	218.2	14.04	226.6	14.42	233.0	14.56
	95	20.3	151.2	10.41	163.8	12.10	178.4	14.09	193.8	15.86	199.6	16.25	207.4	16.62	213.2	16.93
		25.4	151.2	10.20	163.8	11.90	178.4	13.86	193.8	15.61	199.6	15.98	207.4	16.36	213.2	16.67
		50.7	151.2	9.37	163.8	11.12	178.4	12.96	193.8	14.59	199.6	14.95	207.4	15.35	213.2	15.63
		55.8	151.2	9.11	163.8	10.88	178.4	12.70	193.8	14.31	199.6	14.66	207.4	15.04	213.2	15.28
		60.8	151.2	8.86	163.8	10.64	178.4	12.45	193.8	14.04	199.6	14.38	207.4	14.74	213.2	14.94
	104	20.3	137.1	11.20	148.6	13.01	161.8	15.17	176.0	17.06	181.2	17.47	188.2	17.89	193.4	18.22
		25.4	137.1	10.98	148.6	12.80	161.8	14.92	176.0	16.79	181.2	17.19	188.2	17.61	193.4	17.94
		50.7	137.1	10.11	148.6	11.97	161.8	13.95	176.0	15.70	181.2	16.08	188.2	16.50	193.4	16.83
		55.8	137.1	9.82	148.6	11.71	161.8	13.67	176.0	15.39	181.2	15.80	188.2	16.20	193.4	16.43
		60.8	137.1	9.54	148.6	11.46	161.8	13.40	176.0	15.09	181.2	15.53	188.2	15.91	193.4	16.04
	113	20.3	123.1	11.99	133.3	13.92	145.2	16.25	158.2	18.26	162.8	18.69	169.0	19.17	173.6	19.52
		25.4	123.1	11.76	133.3	13.69	145.2	15.98	158.2	17.97	162.8	18.39	169.0	18.87	173.6	19.22
		50.7	123.1	10.84	133.3	12.82	145.2	14.95	158.2	16.81	162.8	17.21	169.0	17.66	173.6	18.04
		55.8	123.1	10.53	133.3	12.54	145.2	14.64	158.2	16.48	162.8	16.93	169.0	17.35	173.6	17.59
		60.8	123.1	10.23	133.3	12.27	145.2	14.34	158.2	16.16	162.8	16.66	169.0	17.05	173.6	17.15
110	50	20.3	159.3	3.99	172.7	4.62	187.9	5.42	204.1	6.08	210.1	6.21	218.6	6.41	224.4	6.50
		25.4	159.3	3.91	172.7	4.55	187.9	5.32	204.1	5.98	210.1	6.12	218.6	6.30	224.4	6.39
		50.7	159.3	3.59	172.7	4.25	187.9	4.96	204.1	5.60	210.1	5.76	218.6	5.89	224.4	5.98
		55.8	159.3	3.50	172.7	4.16	187.9	4.84	204.1	5.51	210.1	5.59	218.6	5.78	224.4	5.85
		60.8	159.3	3.41	172.7	4.07	187.9	4.72	204.1	5.42	210.1	5.42	218.6	5.67	224.4	5.72
	59	20.3	158.4	5.35	171.6	6.22	186.8	7.25	203.0	8.16	209.0	8.35	217.2	8.57	223.2	8.71
		25.4	158.4	5.24	171.6	6.12	186.8	7.13	203.0	8.03	209.0	8.22	217.2	8.43	223.2	8.57
		50.7	158.4	4.82	171.6	5.71	186.8	6.66	203.0	7.51	209.0	7.70	217.2	7.89	223.2	8.03
		55.8	158.4	4.70	171.6	5.60	186.8	6.52	203.0	7.37	209.0	7.53	217.2	7.74	223.2	7.84
		60.8	158.4	4.58	171.6	5.49	186.8	6.38	203.0	7.23	209.0	7.36	217.2	7.59	223.2	7.65
	67	20.3	157.6	6.55	170.6	7.63	185.8	8.88	202.0	10.01	208.0	10.25	216.0	10.49	222.2	10.67
		25.4	157.6	6.42	170.6	7.51	185.8	8.74	202.0	9.85	208.0	10.08	216.0	10.32	222.2	10.51
		50.7	157.6	5.90	170.6	7.01	185.8	8.17	202.0	9.21	208.0	9.42	216.0	9.66	222.2	9.85
		55.8	157.6	5.76	170.6	6.87	185.8	8.00	202.0	9.02	208.0	9.26	216.0	9.49	222.2	9.61
		60.8	157.6	5.62	170.6	6.73	185.8	7.83	202.0	8.83	208.0	9.10	216.0	9.32	222.2	9.37
	75	20.3	157.6	8.02	170.6	9.33	185.8	10.87	202.0	12.24	208.0	12.52	216.0	12.83	222.2	13.07
		25.4	157.6	7.86	170.6	9.18	185.8	10.70	202.0	12.04	208.0	12.33	216.0	12.63	222.2	12.87
		50.7	157.6	7.25	170.6	8.59	185.8	10.01	202.0	11.26	208.0	11.55	216.0	11.83	222.2	12.07
		55.8	157.6	7.04	170.6	8.41	185.8	9.80	202.0	11.05	208.0	11.31	216.0	11.62	222.2	11.76
		60.8	157.6	6.83	170.6	8.23	185.8	9.59	202.0	10.84	208.0	11.07	216.0	11.41	222.2	11.46
	86	20.3	157.6	9.78	170.6	11.38	185.8	13.25	202.0	14.93	208.0	15.29	216.0	15.64	222.2	15.93
		25.4	157.6	9.59	170.6	11.19	185.8	13.03	202.0	14.69	208.0	15.04	216.0	15.39	222.2	15.68
		50.7	157.6	8.83	170.6	10.46	185.8	12.18	202.0	13.72	208.0	14.07	216.0	14.43	222.2	14.69
		55.8	157.6	8.59	170.6	10.25	185.8	11.95	202.0	13.46	208.0	13.79	216.0	14.14	222.2	14.33
		60.8	157.6	8.35	170.6	10.04	185.8	11.72	202.0	13.21	208.0	13.52	216.0	13.86	222.2	13.98
	95	20.3	146.8	10.19	159.0	11.83	173.2	13.77	188.2	15.53	193.8	15.89	201.4	16.27	207.0	16.58
		25.4	146.8	9.99	159.0	11.64	173.2	13.55	188.2	15.28	193.8	15.63	201.4	16.01	207.0	16.32
		50.7	146.8	9.18	159.0	10.88	173.2	12.68	188.2	14.28	193.8	14.62	201.4	14.99	207.0	15.28
		55.8	146.8	8.93	159.0	10.65	173.2	12.42	188.2	14.00	193.8	14.36	201.4	14.71	207.0	14.90
		60.8	146.8	8.68	159.0	10.42	173.2	12.17	188.2	13.73	193.8	14.11	201.4	14.44	207.0	14.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM192DAS5

192,000 Btu/h 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	20.3	135.9	11.18	147.4	13.01	160.4	15.14	174.4	17.04	179.6	17.45	186.6	17.87	191.8	18.21
		25.4	135.9	10.96	147.4	12.80	160.4	14.90	174.4	16.76	179.6	17.17	186.6	17.59	191.8	17.92
		50.7	135.9	10.08	147.4	11.95	160.4	13.93	174.4	15.68	179.6	16.06	186.6	16.48	191.8	16.79
		55.8	135.9	9.80	147.4	11.69	160.4	13.65	174.4	15.37	179.6	15.77	186.6	16.17	191.8	16.36
		60.8	135.9	9.53	147.4	11.44	160.4	13.38	174.4	15.07	179.6	15.49	186.6	15.87	191.8	15.94
	113	20.3	125.1	12.16	135.7	14.19	147.6	16.51	160.6	18.55	165.4	19.00	171.8	19.48	176.6	19.84
		25.4	125.1	11.92	135.7	13.95	147.6	16.24	160.6	18.25	165.4	18.70	171.8	19.17	176.6	19.53
		50.7	125.1	10.98	135.7	13.01	147.6	15.18	160.6	17.07	165.4	17.50	171.8	17.97	176.6	18.30
		55.8	125.1	10.67	135.7	12.73	147.6	14.88	160.6	16.74	165.4	17.19	171.8	17.64	176.6	17.83
		60.8	125.1	10.37	135.7	12.46	147.6	14.59	160.6	16.42	165.4	16.89	171.8	17.32	176.6	17.37
100	50	20.3	149.8	3.78	162.2	4.39	176.6	5.04	192.0	5.75	197.8	5.83	205.4	6.03	211.2	6.14
		25.4	149.8	3.70	162.2	4.32	176.6	4.97	192.0	5.66	197.8	5.74	205.4	5.93	211.2	6.04
		50.7	149.8	3.41	162.2	4.02	176.6	4.68	192.0	5.29	197.8	5.41	205.4	5.54	211.2	5.66
		55.8	149.8	3.29	162.2	3.93	176.6	4.56	192.0	5.18	197.8	5.29	205.4	5.43	211.2	5.47
		60.8	149.8	3.17	162.2	3.84	176.6	4.44	192.0	5.07	197.8	5.17	205.4	5.32	211.2	5.28
	59	20.3	149.8	5.11	162.2	5.93	176.6	6.88	192.0	7.78	197.8	7.94	205.4	8.16	211.2	8.30
		25.4	149.8	5.01	162.2	5.83	176.6	6.78	192.0	7.65	197.8	7.82	205.4	8.03	211.2	8.17
		50.7	149.8	4.60	162.2	5.45	176.6	6.35	192.0	7.15	197.8	7.32	205.4	7.51	211.2	7.65
		55.8	149.8	4.46	162.2	5.34	176.6	6.21	192.0	7.01	197.8	7.18	205.4	7.37	211.2	7.44
		60.8	149.8	4.32	162.2	5.23	176.6	6.07	192.0	6.87	197.8	7.04	205.4	7.23	211.2	7.23
	67	20.3	149.8	6.29	162.2	7.29	176.6	8.52	192.0	9.58	197.8	9.82	205.4	10.05	211.2	10.22
		25.4	149.8	6.16	162.2	7.18	176.6	8.38	192.0	9.42	197.8	9.66	205.4	9.89	211.2	10.06
		50.7	149.8	5.67	162.2	6.73	176.6	7.84	192.0	8.81	197.8	9.02	205.4	9.26	211.2	9.42
		55.8	149.8	5.50	162.2	6.59	176.6	7.67	192.0	8.64	197.8	8.85	205.4	9.09	211.2	9.18
		60.8	149.8	5.33	162.2	6.45	176.6	7.50	192.0	8.47	197.8	8.68	205.4	8.92	211.2	8.94
	75	20.3	149.8	7.66	162.2	8.90	176.6	10.37	192.0	11.69	197.8	11.98	205.4	12.26	211.2	12.47
		25.4	149.8	7.51	162.2	8.76	176.6	10.20	192.0	11.50	197.8	11.78	205.4	12.07	211.2	12.28
		50.7	149.8	6.92	162.2	8.19	176.6	9.54	192.0	10.74	197.8	11.00	205.4	11.29	211.2	11.50
		55.8	149.8	6.73	162.2	8.03	176.6	9.35	192.0	10.53	197.8	10.79	205.4	11.07	211.2	11.19
		60.8	149.8	6.54	162.2	7.87	176.6	9.16	192.0	10.32	197.8	10.58	205.4	10.85	211.2	10.89
	86	20.3	149.8	9.42	162.2	10.97	176.6	12.77	192.0	14.38	197.8	14.71	205.4	15.07	211.2	15.36
		25.4	149.8	9.23	162.2	10.79	176.6	12.56	192.0	14.14	197.8	14.47	205.4	14.83	211.2	15.11
		50.7	149.8	8.50	162.2	10.08	176.6	11.73	192.0	13.22	197.8	13.53	205.4	13.88	211.2	14.14
		55.8	149.8	8.26	162.2	9.87	176.6	11.50	192.0	12.96	197.8	13.29	205.4	13.62	211.2	13.77
		60.8	149.8	8.02	162.2	9.66	176.6	11.27	192.0	12.71	197.8	13.05	205.4	13.37	211.2	13.41
	95	20.3	142.3	9.95	154.2	11.57	167.8	13.46	182.4	15.17	187.8	15.53	195.2	15.90	200.6	16.19
		25.4	142.3	9.75	154.2	11.38	167.8	13.25	182.4	14.92	187.8	15.28	195.2	15.65	200.6	15.94
		50.7	142.3	8.97	154.2	10.65	167.8	12.40	182.4	13.95	187.8	14.28	195.2	14.66	200.6	14.92
		55.8	142.3	8.74	154.2	10.41	167.8	12.14	182.4	13.69	187.8	14.03	195.2	14.38	200.6	14.52
		60.8	142.3	8.51	154.2	10.17	167.8	11.89	182.4	13.44	187.8	13.78	195.2	14.11	200.6	14.13
	104	20.3	134.7	11.18	146.0	12.98	159.0	15.12	172.8	17.01	178.0	17.42	185.0	17.85	190.0	18.16
		25.4	134.7	10.96	146.0	12.77	159.0	14.88	172.8	16.74	178.0	17.14	185.0	17.57	190.0	17.87
		50.7	134.7	10.06	146.0	11.95	159.0	13.91	172.8	15.65	178.0	16.03	185.0	16.43	190.0	16.74
		55.8	134.7	9.80	146.0	11.69	159.0	13.62	172.8	15.35	178.0	15.73	185.0	16.13	190.0	16.29
		60.8	134.7	9.55	146.0	11.44	159.0	13.34	172.8	15.06	178.0	15.44	185.0	15.84	190.0	15.85
	113	20.3	127.1	12.42	137.7	14.40	150.2	16.78	163.2	18.86	168.2	19.32	174.8	19.80	179.4	20.13
		25.4	127.1	12.16	137.7	14.17	150.2	16.50	163.2	18.56	168.2	19.01	174.8	19.48	179.4	19.81
		50.7	127.1	11.14	137.7	13.25	150.2	15.42	163.2	17.35	168.2	17.78	174.8	18.20	179.4	18.56
		55.8	127.1	10.86	137.7	12.96	150.2	15.11	163.2	17.00	168.2	17.43	174.8	17.87	179.4	18.06
		60.8	127.1	10.59	137.7	12.68	150.2	14.81	163.2	16.66	168.2	17.09	174.8	17.55	179.4	17.57
90	50	20.3	134.7	3.21	146.0	3.73	159.0	4.36	172.8	4.93	178.0	5.02	185.0	5.13	190.0	5.29
		25.4	134.7	3.16	146.0	3.68	159.0	4.29	172.8	4.86	178.0	4.95	185.0	5.06	190.0	5.20
		50.7	134.7	2.93	146.0	3.48	159.0	4.02	172.8	4.57	178.0	4.66	185.0	4.80	190.0	4.86
		55.8	134.7	2.84	146.0	3.36	159.0	3.95	172.8	4.43	178.0	4.57	185.0	4.70	190.0	4.70
		60.8	134.7	2.75	146.0	3.24	159.0	3.88	172.8	4.29	178.0	4.48	185.0	4.60	190.0	4.54

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).





Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	20.3	134.7	4.38	146.0	5.08	159.0	5.93	172.8	6.69	178.0	6.84	185.0	7.00	190.0	7.15
		25.4	134.7	4.30	146.0	5.01	159.0	5.83	172.8	6.59	178.0	6.73	185.0	6.89	190.0	7.04
		50.7	134.7	3.97	146.0	4.70	159.0	5.45	172.8	6.16	178.0	6.30	185.0	6.47	190.0	6.59
		55.8	134.7	3.85	146.0	4.58	159.0	5.36	172.8	6.02	178.0	6.19	185.0	6.35	190.0	6.40
		60.8	134.7	3.73	146.0	4.46	159.0	5.27	172.8	5.88	178.0	6.08	185.0	6.23	190.0	6.21
	67	20.3	134.7	5.42	146.0	6.29	159.0	7.32	172.8	8.26	178.0	8.45	185.0	8.67	190.0	8.80
		25.4	134.7	5.31	146.0	6.19	159.0	7.20	172.8	8.12	178.0	8.31	185.0	8.52	190.0	8.67
		50.7	134.7	4.89	146.0	5.78	159.0	6.73	172.8	7.58	178.0	7.77	185.0	7.96	190.0	8.12
		55.8	134.7	4.75	146.0	5.67	159.0	6.61	172.8	7.44	178.0	7.63	185.0	7.82	190.0	7.91
		60.8	134.7	4.61	146.0	5.56	159.0	6.49	172.8	7.30	178.0	7.49	185.0	7.68	190.0	7.70
	75	20.3	134.7	6.60	146.0	7.68	159.0	8.93	172.8	10.05	178.0	10.30	185.0	10.56	190.0	10.75
		25.4	134.7	6.47	146.0	7.56	159.0	8.78	172.8	9.89	178.0	10.13	185.0	10.39	190.0	10.58
		50.7	134.7	5.95	146.0	7.06	159.0	8.22	172.8	9.26	178.0	9.47	185.0	9.73	190.0	9.89
		55.8	134.7	5.78	146.0	6.89	159.0	8.05	172.8	9.07	178.0	9.30	185.0	9.54	190.0	9.63
		60.8	134.7	5.61	146.0	6.72	159.0	7.88	172.8	8.88	178.0	9.13	185.0	9.35	190.0	9.38
	86	20.3	134.7	8.12	146.0	9.43	159.0	10.99	172.8	12.39	178.0	12.67	185.0	12.98	190.0	13.22
		25.4	134.7	7.96	146.0	9.28	159.0	10.81	172.8	12.18	178.0	12.47	185.0	12.77	190.0	13.01
		50.7	134.7	7.32	146.0	8.67	159.0	10.11	172.8	11.38	178.0	11.66	185.0	11.95	190.0	12.16
		55.8	134.7	7.11	146.0	8.50	159.0	9.89	172.8	11.17	178.0	11.43	185.0	11.73	190.0	11.85
		60.8	134.7	6.90	146.0	8.33	159.0	9.67	172.8	10.96	178.0	11.20	185.0	11.51	190.0	11.55
	95	20.3	131.1	8.77	141.9	10.18	154.6	11.85	168.0	13.34	173.0	13.66	179.8	13.99	184.8	14.25
		25.4	131.1	8.59	141.9	10.01	154.6	11.66	168.0	13.13	173.0	13.43	179.8	13.77	184.8	14.03
		50.7	131.1	7.89	141.9	9.35	154.6	10.91	168.0	12.28	173.0	12.56	179.8	12.89	184.8	13.13
		55.8	131.1	7.67	141.9	9.16	154.6	10.67	168.0	12.04	173.0	12.35	179.8	12.66	184.8	12.77
		60.8	131.1	7.45	141.9	8.97	154.6	10.43	168.0	11.80	173.0	12.14	179.8	12.43	184.8	12.42
	104	20.3	127.3	10.07	137.9	11.69	150.2	13.60	163.2	15.34	168.2	15.69	174.6	16.08	179.6	16.36
		25.4	127.3	9.87	137.9	11.50	150.2	13.39	163.2	15.09	168.2	15.44	174.6	15.82	179.6	16.10
		50.7	127.3	9.07	137.9	10.74	150.2	12.54	163.2	14.10	168.2	14.45	174.6	14.80	179.6	15.09
		55.8	127.3	8.81	137.9	10.53	150.2	12.28	163.2	13.84	168.2	14.17	174.6	14.54	179.6	14.69
		60.8	127.3	8.56	137.9	10.32	150.2	12.03	163.2	13.59	168.2	13.90	174.6	14.29	179.6	14.30
	113	20.3	123.5	11.37	133.9	13.20	145.8	15.35	158.4	17.33	163.4	17.73	169.4	18.17	174.4	18.47
		25.4	123.5	11.14	133.9	12.99	145.8	15.11	158.4	17.05	163.4	17.45	169.4	17.87	174.4	18.18
		50.7	123.5	10.25	133.9	12.14	145.8	14.17	158.4	15.91	163.4	16.34	169.4	16.72	174.4	17.05
		55.8	123.5	9.94	133.9	11.90	145.8	13.88	158.4	15.63	163.4	15.98	169.4	16.43	174.4	16.60
		60.8	123.5	9.64	133.9	11.66	145.8	13.60	158.4	15.36	163.4	15.63	169.4	16.15	174.4	16.16
80	50	20.3	119.7	2.75	129.7	3.13	141.3	3.64	153.6	4.17	158.2	4.22	164.4	4.35	169.0	4.38
		25.4	119.7	2.68	129.7	3.09	141.3	3.59	153.6	4.09	158.2	4.16	164.4	4.27	169.0	4.31
		50.7	119.7	2.43	129.7	2.93	141.3	3.39	153.6	3.79	158.2	3.91	164.4	3.97	169.0	4.04
		55.8	119.7	2.41	129.7	2.84	141.3	3.32	153.6	3.72	158.2	3.79	164.4	3.90	169.0	3.95
		60.8	119.7	2.39	129.7	2.75	141.3	3.25	153.6	3.65	158.2	3.67	164.4	3.83	169.0	3.86
	59	20.3	119.7	3.69	129.7	4.27	141.3	4.97	153.6	5.62	158.2	5.73	164.4	5.88	169.0	5.97
		25.4	119.7	3.61	129.7	4.20	141.3	4.89	153.6	5.53	158.2	5.64	164.4	5.78	169.0	5.88
		50.7	119.7	3.31	129.7	3.94	141.3	4.58	153.6	5.15	158.2	5.29	164.4	5.41	169.0	5.50
		55.8	119.7	3.23	129.7	3.85	141.3	4.49	153.6	5.05	158.2	5.17	164.4	5.31	169.0	5.36
		60.8	119.7	3.15	129.7	3.76	141.3	4.40	153.6	4.95	158.2	5.05	164.4	5.21	169.0	5.22
	67	20.3	119.7	4.53	129.7	5.28	141.3	6.15	153.6	6.91	158.2	7.08	164.4	7.24	169.0	7.39
		25.4	119.7	4.44	129.7	5.19	141.3	6.04	153.6	6.80	158.2	6.97	164.4	7.13	169.0	7.27
		50.7	119.7	4.08	129.7	4.84	141.3	5.64	153.6	6.35	158.2	6.52	164.4	6.68	169.0	6.80
		55.8	119.7	3.97	129.7	4.75	141.3	5.53	153.6	6.23	158.2	6.40	164.4	6.56	169.0	6.61
		60.8	119.7	3.86	129.7	4.66	141.3	5.42	153.6	6.11	158.2	6.28	164.4	6.44	169.0	6.42
	75	20.3	119.7	5.54	129.7	6.44	141.3	7.49	153.6	8.42	158.2	8.64	164.4	8.86	169.0	9.00
		25.4	119.7	5.43	129.7	6.33	141.3	7.37	153.6	8.29	158.2	8.50	164.4	8.71	169.0	8.85
		50.7	119.7	4.98	129.7	5.90	141.3	6.89	153.6	7.77	158.2	7.93	164.4	8.15	169.0	8.29
		55.8	119.7	4.84	129.7	5.78	141.3	6.75	153.6	7.60	158.2	7.79	164.4	8.00	169.0	8.08
		60.8	119.7	4.70	129.7	5.66	141.3	6.61	153.6	7.43	158.2	7.65	164.4	7.85	169.0	7.87

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM192DAS5

192,000 Btu/h 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	20.3	119.7	6.79	129.7	7.89	141.3	9.22	153.6	10.37	158.2	10.60	164.4	10.87	169.0	11.09
		25.4	119.7	6.66	129.7	7.77	141.3	9.07	153.6	10.20	158.2	10.44	164.4	10.70	169.0	10.91
		50.7	119.7	6.14	129.7	7.27	141.3	8.48	153.6	9.54	158.2	9.78	164.4	10.01	169.0	10.20
		55.8	119.7	5.97	129.7	7.11	141.3	8.29	153.6	9.35	158.2	9.59	164.4	9.82	169.0	9.94
		60.8	119.7	5.80	129.7	6.95	141.3	8.10	153.6	9.16	158.2	9.40	164.4	9.63	169.0	9.69
	95	20.3	119.7	7.56	129.7	8.78	141.3	10.22	153.6	11.52	158.2	11.81	164.4	12.10	169.0	12.31
		25.4	119.7	7.41	129.7	8.64	141.3	10.06	153.6	11.33	158.2	11.62	164.4	11.90	169.0	12.11
		50.7	119.7	6.82	129.7	8.08	141.3	9.42	153.6	10.60	158.2	10.86	164.4	11.12	169.0	11.33
		55.8	119.7	6.63	129.7	7.91	141.3	9.23	153.6	10.39	158.2	10.65	164.4	10.93	169.0	11.03
		60.8	119.7	6.44	129.7	7.74	141.3	9.04	153.6	10.18	158.2	10.44	164.4	10.74	169.0	10.74
	104	20.3	119.7	8.96	129.7	10.42	141.3	12.12	153.6	13.66	158.2	13.97	164.4	14.33	169.0	14.56
		25.4	119.7	8.78	129.7	10.25	141.3	11.92	153.6	13.43	158.2	13.74	164.4	14.10	169.0	14.33
		50.7	119.7	8.08	129.7	9.56	141.3	11.14	153.6	12.56	158.2	12.84	164.4	13.18	169.0	13.41
		55.8	119.7	7.84	129.7	9.37	141.3	10.91	153.6	12.30	158.2	12.61	164.4	12.94	169.0	13.06
		60.8	119.7	7.60	129.7	9.18	141.3	10.68	153.6	12.05	158.2	12.38	164.4	12.70	169.0	12.72
	113	20.3	119.7	10.36	129.7	12.06	141.3	14.02	153.6	15.79	158.2	16.13	164.4	16.56	169.0	16.82
		25.4	119.7	10.15	129.7	11.85	141.3	13.79	153.6	15.54	158.2	15.87	164.4	16.29	169.0	16.55
		50.7	119.7	9.33	129.7	11.05	141.3	12.87	153.6	14.52	158.2	14.83	164.4	15.23	169.0	15.49
		55.8	119.7	9.04	129.7	10.84	141.3	12.58	153.6	14.21	158.2	14.57	164.4	14.95	169.0	15.09
		60.8	119.7	8.76	129.7	10.63	141.3	12.30	153.6	13.91	158.2	14.32	164.4	14.68	169.0	14.70
70	50	20.3	104.9	2.24	113.5	2.61	123.7	3.02	134.3	3.40	138.3	3.53	143.7	3.63	147.8	3.64
		25.4	104.9	2.20	113.5	2.56	123.7	2.97	134.3	3.36	138.3	3.48	143.7	3.57	147.8	3.59
		50.7	104.9	2.05	113.5	2.38	123.7	2.79	134.3	3.18	138.3	3.25	143.7	3.34	147.8	3.39
		55.8	104.9	2.00	113.5	2.34	123.7	2.75	134.3	3.09	138.3	3.16	143.7	3.25	147.8	3.29
		60.8	104.9	1.95	113.5	2.30	123.7	2.71	134.3	3.00	138.3	3.07	143.7	3.16	147.8	3.19
	59	20.3	104.9	3.06	113.5	3.55	123.7	4.13	134.3	4.65	138.3	4.78	143.7	4.89	147.8	4.97
		25.4	104.9	3.00	113.5	3.49	123.7	4.06	134.3	4.58	138.3	4.70	143.7	4.82	147.8	4.89
		50.7	104.9	2.76	113.5	3.26	123.7	3.80	134.3	4.30	138.3	4.39	143.7	4.51	147.8	4.58
		55.8	104.9	2.69	113.5	3.19	123.7	3.73	134.3	4.20	138.3	4.30	143.7	4.42	147.8	4.46
		60.8	104.9	2.62	113.5	3.12	123.7	3.66	134.3	4.10	138.3	4.21	143.7	4.33	147.8	4.34
	67	20.3	104.9	3.78	113.5	4.39	123.7	5.11	134.3	5.76	138.3	5.88	143.7	6.02	147.8	6.15
		25.4	104.9	3.71	113.5	4.32	123.7	5.03	134.3	5.67	138.3	5.78	143.7	5.93	147.8	6.04
		50.7	104.9	3.40	113.5	4.04	123.7	4.70	134.3	5.29	138.3	5.41	143.7	5.55	147.8	5.64
		55.8	104.9	3.31	113.5	3.94	123.7	4.60	134.3	5.19	138.3	5.31	143.7	5.45	147.8	5.50
		60.8	104.9	3.22	113.5	3.84	123.7	4.50	134.3	5.09	138.3	5.21	143.7	5.35	147.8	5.36
	75	20.3	104.9	4.60	113.5	5.35	123.7	6.21	134.3	7.01	138.3	7.17	143.7	7.34	147.8	7.49
		25.4	104.9	4.51	113.5	5.27	123.7	6.12	134.3	6.89	138.3	7.06	143.7	7.23	147.8	7.37
		50.7	104.9	4.16	113.5	4.91	123.7	5.74	134.3	6.45	138.3	6.61	143.7	6.78	147.8	6.89
		55.8	104.9	4.04	113.5	4.82	123.7	5.62	134.3	6.33	138.3	6.47	143.7	6.63	147.8	6.71
		60.8	104.9	3.92	113.5	4.73	123.7	5.50	134.3	6.21	138.3	6.33	143.7	6.48	147.8	6.53
	86	20.3	104.9	5.66	113.5	6.58	123.7	7.66	134.3	8.61	138.3	8.83	143.7	9.04	147.8	9.22
		25.4	104.9	5.55	113.5	6.47	123.7	7.53	134.3	8.48	138.3	8.69	143.7	8.90	147.8	9.07
		50.7	104.9	5.10	113.5	6.04	123.7	7.04	134.3	7.93	138.3	8.12	143.7	8.33	147.8	8.48
		55.8	104.9	4.96	113.5	5.93	123.7	6.89	134.3	7.77	138.3	7.98	143.7	8.17	147.8	8.26
		60.8	104.9	4.82	113.5	5.82	123.7	6.74	134.3	7.61	138.3	7.84	143.7	8.01	147.8	8.04
	95	20.3	104.9	6.29	113.5	7.29	123.7	8.53	134.3	9.58	138.3	9.82	143.7	10.05	147.8	10.22
		25.4	104.9	6.16	113.5	7.18	123.7	8.38	134.3	9.42	138.3	9.66	143.7	9.89	147.8	10.06
		50.7	104.9	5.67	113.5	6.73	123.7	7.82	134.3	8.81	138.3	9.02	143.7	9.26	147.8	9.42
		55.8	104.9	5.50	113.5	6.56	123.7	7.67	134.3	8.64	138.3	8.85	143.7	9.09	147.8	9.18
		60.8	104.9	5.33	113.5	6.39	123.7	7.52	134.3	8.47	138.3	8.68	143.7	8.92	147.8	8.94
	104	20.3	104.9	7.45	113.5	8.64	123.7	10.08	134.3	11.35	138.3	11.61	143.7	11.90	147.8	12.11
		25.4	104.9	7.30	113.5	8.50	123.7	9.92	134.3	11.17	138.3	11.43	143.7	11.71	147.8	11.92
		50.7	104.9	6.71	113.5	7.96	123.7	9.28	134.3	10.44	138.3	10.70	143.7	10.96	147.8	11.17
		55.8	104.9	6.52	113.5	7.79	123.7	9.07	134.3	10.22	138.3	10.48	143.7	10.77	147.8	10.86
		60.8	104.9	6.33	113.5	7.62	123.7	8.86	134.3	10.00	138.3	10.26	143.7	10.58	147.8	10.56

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	20.3	104.9	8.60	113.5	9.98	123.7	11.63	134.3	13.13	138.3	13.41	143.7	13.75	147.8	14.01
		25.4	104.9	8.43	113.5	9.82	123.7	11.45	134.3	12.92	138.3	13.20	143.7	13.53	147.8	13.79
		50.7	104.9	7.74	113.5	9.18	123.7	10.74	134.3	12.07	138.3	12.37	143.7	12.66	147.8	12.92
		55.8	104.9	7.53	113.5	9.02	123.7	10.46	134.3	11.81	138.3	12.11	143.7	12.44	147.8	12.54
		60.8	104.9	7.32	113.5	8.86	123.7	10.19	134.3	11.56	138.3	11.86	143.7	12.22	147.8	12.17
60	50	20.3	89.9	1.78	97.3	2.08	105.9	2.39	115.1	2.75	118.7	2.82	123.3	2.86	126.7	2.90
		25.4	89.9	1.75	97.3	2.04	105.9	2.36	115.1	2.70	118.7	2.77	123.3	2.82	126.7	2.86
		50.7	89.9	1.61	97.3	1.91	105.9	2.25	115.1	2.52	118.7	2.56	123.3	2.66	126.7	2.70
		55.8	89.9	1.54	97.3	1.89	105.9	2.20	115.1	2.48	118.7	2.52	123.3	2.59	126.7	2.64
		60.8	89.9	1.47	97.3	1.87	105.9	2.15	115.1	2.44	118.7	2.48	123.3	2.52	126.7	2.58
	59	20.3	89.9	2.43	97.3	2.83	105.9	3.28	115.1	3.72	118.7	3.82	123.3	3.88	126.7	3.96
		25.4	89.9	2.38	97.3	2.79	105.9	3.23	115.1	3.66	118.7	3.75	123.3	3.83	126.7	3.90
		50.7	89.9	2.20	97.3	2.60	105.9	3.05	115.1	3.42	118.7	3.49	123.3	3.59	126.7	3.66
		55.8	89.9	2.13	97.3	2.55	105.9	2.98	115.1	3.35	118.7	3.42	123.3	3.52	126.7	3.57
		60.8	89.9	2.06	97.3	2.50	105.9	2.91	115.1	3.28	118.7	3.35	123.3	3.45	126.7	3.48
	67	20.3	89.9	3.01	97.3	3.51	105.9	4.08	115.1	4.58	118.7	4.71	123.3	4.80	126.7	4.89
		25.4	89.9	2.95	97.3	3.45	105.9	4.01	115.1	4.51	118.7	4.63	123.3	4.72	126.7	4.82
		50.7	89.9	2.72	97.3	3.21	105.9	3.75	115.1	4.23	118.7	4.32	123.3	4.42	126.7	4.51
		55.8	89.9	2.64	97.3	3.14	105.9	3.66	115.1	4.13	118.7	4.23	123.3	4.34	126.7	4.39
		60.8	89.9	2.56	97.3	3.07	105.9	3.57	115.1	4.03	118.7	4.14	123.3	4.26	126.7	4.27
	75	20.3	89.9	3.66	97.3	4.27	105.9	4.97	115.1	5.59	118.7	5.71	123.3	5.85	126.7	5.97
		25.4	89.9	3.59	97.3	4.20	105.9	4.89	115.1	5.50	118.7	5.62	123.3	5.76	126.7	5.88
		50.7	89.9	3.31	97.3	3.92	105.9	4.56	115.1	5.15	118.7	5.27	123.3	5.41	126.7	5.50
		55.8	89.9	3.21	97.3	3.83	105.9	4.46	115.1	5.03	118.7	5.17	123.3	5.29	126.7	5.36
		60.8	89.9	3.11	97.3	3.74	105.9	4.36	115.1	4.91	118.7	5.07	123.3	5.17	126.7	5.22
	86	20.3	89.9	4.50	97.3	5.23	105.9	6.09	115.1	6.86	118.7	7.03	123.3	7.20	126.7	7.34
		25.4	89.9	4.42	97.3	5.15	105.9	6.00	115.1	6.75	118.7	6.92	123.3	7.08	126.7	7.23
		50.7	89.9	4.06	97.3	4.82	105.9	5.62	115.1	6.33	118.7	6.47	123.3	6.63	126.7	6.75
		55.8	89.9	3.94	97.3	4.72	105.9	5.50	115.1	6.21	118.7	6.35	123.3	6.52	126.7	6.59
		60.8	89.9	3.82	97.3	4.62	105.9	5.38	115.1	6.09	118.7	6.23	123.3	6.41	126.7	6.43
	95	20.3	89.9	5.01	97.3	5.83	105.9	6.80	115.1	7.63	118.7	7.82	123.3	8.02	126.7	8.16
		25.4	89.9	4.91	97.3	5.74	105.9	6.68	115.1	7.51	118.7	7.70	123.3	7.89	126.7	8.03
		50.7	89.9	4.51	97.3	5.36	105.9	6.23	115.1	7.04	118.7	7.20	123.3	7.37	126.7	7.51
		55.8	89.9	4.39	97.3	5.24	105.9	6.12	115.1	6.89	118.7	7.06	123.3	7.25	126.7	7.32
		60.8	89.9	4.27	97.3	5.12	105.9	6.01	115.1	6.74	118.7	6.92	123.3	7.13	126.7	7.13
	104	20.3	89.9	5.92	97.3	6.88	105.9	8.04	115.1	9.05	118.7	9.26	123.3	9.48	126.7	9.67
		25.4	89.9	5.81	97.3	6.78	105.9	7.91	115.1	8.90	118.7	9.11	123.3	9.33	126.7	9.52
		50.7	89.9	5.36	97.3	6.35	105.9	7.39	115.1	8.31	118.7	8.52	123.3	8.74	126.7	8.90
		55.8	89.9	5.19	97.3	6.21	105.9	7.25	115.1	8.15	118.7	8.36	123.3	8.57	126.7	8.67
		60.8	89.9	5.02	97.3	6.07	105.9	7.11	115.1	7.99	118.7	8.20	123.3	8.40	126.7	8.44
	113	20.3	89.9	6.83	97.3	7.93	105.9	9.29	115.1	10.47	118.7	10.70	123.3	10.93	126.7	11.18
		25.4	89.9	6.71	97.3	7.82	105.9	9.14	115.1	10.29	118.7	10.53	123.3	10.77	126.7	11.00
		50.7	89.9	6.21	97.3	7.34	105.9	8.55	115.1	9.59	118.7	9.85	123.3	10.11	126.7	10.29
		55.8	89.9	6.00	97.3	7.18	105.9	8.38	115.1	9.40	118.7	9.66	123.3	9.89	126.7	10.01
		60.8	89.9	5.79	97.3	7.02	105.9	8.21	115.1	9.21	118.7	9.47	123.3	9.67	126.7	9.74
50	50	20.3	74.9	1.32	81.1	1.54	88.3	1.86	96.1	2.03	98.9	2.06	102.7	2.15	105.5	2.17
		25.4	74.9	1.29	81.1	1.52	88.3	1.82	96.1	2.00	98.9	2.04	102.7	2.11	105.5	2.13
		50.7	74.9	1.18	81.1	1.43	88.3	1.68	96.1	1.89	98.9	1.96	102.7	1.95	105.5	2.00
		55.8	74.9	1.16	81.1	1.43	88.3	1.64	96.1	1.84	98.9	1.86	102.7	1.93	105.5	1.93
		60.8	74.9	1.14	81.1	1.43	88.3	1.60	96.1	1.79	98.9	1.76	102.7	1.91	105.5	1.86
	59	20.3	74.9	1.81	81.1	2.11	88.3	2.47	96.1	2.76	98.9	2.83	102.7	2.90	105.5	2.95
		25.4	74.9	1.77	81.1	2.08	88.3	2.43	96.1	2.72	98.9	2.79	102.7	2.86	105.5	2.90
		50.7	74.9	1.63	81.1	1.94	88.3	2.27	96.1	2.55	98.9	2.62	102.7	2.67	105.5	2.72
		55.8	74.9	1.58	81.1	1.91	88.3	2.22	96.1	2.50	98.9	2.55	102.7	2.62	105.5	2.64
		60.8	74.9	1.53	81.1	1.88	88.3	2.17	96.1	2.45	98.9	2.48	102.7	2.57	105.5	2.56

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM192DAS5

192,000 Btu/h 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	20.3	74.9	2.24	81.1	2.62	88.3	3.02	96.1	3.41	98.9	3.51	102.7	3.57	105.5	3.65
		25.4	74.9	2.20	81.1	2.57	88.3	2.98	96.1	3.35	98.9	3.45	102.7	3.52	105.5	3.59
		50.7	74.9	2.03	81.1	2.38	88.3	2.79	96.1	3.14	98.9	3.21	102.7	3.31	105.5	3.35
		55.8	74.9	1.96	81.1	2.34	88.3	2.74	96.1	3.09	98.9	3.16	102.7	3.23	105.5	3.28
		60.8	74.9	1.89	81.1	2.30	88.3	2.69	96.1	3.04	98.9	3.11	102.7	3.15	105.5	3.21
	75	20.3	74.9	2.72	81.1	3.16	88.3	3.70	96.1	4.18	98.9	4.27	102.7	4.37	105.5	4.43
		25.4	74.9	2.67	81.1	3.12	88.3	3.64	96.1	4.11	98.9	4.20	102.7	4.30	105.5	4.37
		50.7	74.9	2.46	81.1	2.93	88.3	3.40	96.1	3.83	98.9	3.92	102.7	4.01	105.5	4.11
		55.8	74.9	2.38	81.1	2.86	88.3	3.33	96.1	3.75	98.9	3.85	102.7	3.94	105.5	3.99
		60.8	74.9	2.30	81.1	2.79	88.3	3.26	96.1	3.67	98.9	3.78	102.7	3.87	105.5	3.87
	86	20.3	74.9	3.38	81.1	3.91	88.3	4.56	96.1	5.14	98.9	5.26	102.7	5.37	105.5	5.47
		25.4	74.9	3.31	81.1	3.85	88.3	4.49	96.1	5.05	98.9	5.17	102.7	5.29	105.5	5.38
		50.7	74.9	3.02	81.1	3.59	88.3	4.18	96.1	4.72	98.9	4.82	102.7	4.96	105.5	5.03
		55.8	74.9	2.95	81.1	3.52	88.3	4.11	96.1	4.63	98.9	4.75	102.7	4.86	105.5	4.91
		60.8	74.9	2.88	81.1	3.45	88.3	4.04	96.1	4.54	98.9	4.68	102.7	4.76	105.5	4.79
	95	20.3	74.9	3.73	81.1	4.35	88.3	5.07	96.1	5.69	98.9	5.83	102.7	5.97	105.5	6.07
		25.4	74.9	3.66	81.1	4.27	88.3	4.98	96.1	5.60	98.9	5.74	102.7	5.88	105.5	5.97
		50.7	74.9	3.38	81.1	3.99	88.3	4.65	96.1	5.24	98.9	5.36	102.7	5.50	105.5	5.60
		55.8	74.9	3.28	81.1	3.92	88.3	4.56	96.1	5.15	98.9	5.27	102.7	5.41	105.5	5.45
		60.8	74.9	3.18	81.1	3.85	88.3	4.47	96.1	5.06	98.9	5.18	102.7	5.32	105.5	5.30
	104	20.3	74.9	4.43	81.1	5.14	88.3	6.00	96.1	6.74	98.9	6.91	102.7	7.08	105.5	7.20
		25.4	74.9	4.34	81.1	5.05	88.3	5.90	96.1	6.63	98.9	6.80	102.7	6.97	105.5	7.08
		50.7	74.9	3.99	81.1	4.72	88.3	5.50	96.1	6.21	98.9	6.35	102.7	6.52	105.5	6.63
		55.8	74.9	3.87	81.1	4.63	88.3	5.41	96.1	6.09	98.9	6.23	102.7	6.40	105.5	6.45
		60.8	74.9	3.75	81.1	4.54	88.3	5.32	96.1	5.97	98.9	6.11	102.7	6.28	105.5	6.27
	113	20.3	74.9	5.14	81.1	5.93	88.3	6.94	96.1	7.80	98.9	7.99	102.7	8.18	105.5	8.32
		25.4	74.9	5.03	81.1	5.83	88.3	6.82	96.1	7.67	98.9	7.86	102.7	8.05	105.5	8.19
		50.7	74.9	4.60	81.1	5.45	88.3	6.35	96.1	7.18	98.9	7.34	102.7	7.53	105.5	7.67
		55.8	74.9	4.46	81.1	5.34	88.3	6.26	96.1	7.04	98.9	7.20	102.7	7.39	105.5	7.44
		60.8	74.9	4.32	81.1	5.23	88.3	6.17	96.1	6.90	98.9	7.06	102.7	7.25	105.5	7.21

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
130	50	20.3	178.5	3.39	193.4	3.97	210.4	4.63	228.6	5.19	235.7	5.31	244.9	5.48	251.7	5.56
		35.6	178.5	3.33	193.4	3.90	210.4	4.55	228.6	5.10	235.7	5.23	244.9	5.39	251.7	5.47
		50.8	178.5	3.09	193.4	3.62	210.4	4.23	228.6	4.77	235.7	4.92	244.9	5.02	251.7	5.14
		63.5	178.5	3.00	193.4	3.57	210.4	4.17	228.6	4.67	235.7	4.81	244.9	4.93	251.7	5.00
		76.2	178.5	2.91	193.4	3.52	210.4	4.11	228.6	4.57	235.7	4.70	244.9	4.84	251.7	4.86
	59	20.3	175.6	4.47	190.2	5.21	207.0	6.07	225.0	6.82	231.8	6.98	240.9	7.16	247.7	7.29
		35.6	175.6	4.38	190.2	5.12	207.0	5.97	225.0	6.71	231.8	6.87	240.9	7.05	247.7	7.18
		50.8	175.6	4.04	190.2	4.78	207.0	5.57	225.0	6.27	231.8	6.44	240.9	6.60	247.7	6.74
		63.5	175.6	3.93	190.2	4.69	207.0	5.46	225.0	6.15	231.8	6.31	240.9	6.47	247.7	6.58
		76.2	175.6	3.82	190.2	4.60	207.0	5.35	225.0	6.03	231.8	6.18	240.9	6.34	247.7	6.42
	67	20.3	173.0	5.43	187.4	6.30	204.0	7.35	221.8	8.26	228.4	8.47	237.2	8.66	244.1	8.82
		35.6	173.0	5.32	187.4	6.20	204.0	7.23	221.8	8.13	228.4	8.33	237.2	8.53	244.1	8.69
		50.8	173.0	4.89	187.4	5.81	204.0	6.76	221.8	7.61	228.4	7.79	237.2	8.01	244.1	8.17
		63.5	173.0	4.76	187.4	5.68	204.0	6.62	221.8	7.46	228.4	7.64	237.2	7.84	244.1	7.99
		76.2	173.0	4.63	187.4	5.55	204.0	6.48	221.8	7.31	228.4	7.49	237.2	7.67	244.1	7.81
	75	20.3	173.0	6.70	187.4	7.77	204.0	9.05	221.8	10.21	228.4	10.45	237.2	10.69	244.1	10.87
		35.6	173.0	6.56	187.4	7.64	204.0	8.91	221.8	10.04	228.4	10.28	237.2	10.53	244.1	10.71
		50.8	173.0	6.04	187.4	7.16	204.0	8.33	221.8	9.38	228.4	9.61	237.2	9.88	244.1	10.06
		63.5	173.0	5.86	187.4	7.00	204.0	8.17	221.8	9.20	228.4	9.43	237.2	9.68	244.1	9.84
		76.2	173.0	5.68	187.4	6.84	204.0	8.01	221.8	9.02	228.4	9.25	237.2	9.48	244.1	9.62
	86	20.3	173.0	8.04	187.4	9.33	204.0	10.87	221.8	12.24	228.4	12.53	237.2	12.84	244.1	13.05
		35.6	173.0	7.88	187.4	9.18	204.0	10.69	221.8	12.04	228.4	12.33	237.2	12.64	244.1	12.86
		50.8	173.0	7.23	187.4	8.58	204.0	10.01	221.8	11.25	228.4	11.54	237.2	11.85	244.1	12.08
		63.5	173.0	7.03	187.4	8.40	204.0	9.79	221.8	11.03	228.4	11.32	237.2	11.61	244.1	11.81
		76.2	173.0	6.83	187.4	8.22	204.0	9.57	221.8	10.81	228.4	11.10	237.2	11.37	244.1	11.54
	95	20.3	155.8	8.11	168.6	9.44	183.6	11.00	199.6	12.37	205.6	12.68	213.6	12.99	219.6	13.20
		35.6	155.8	7.95	168.6	9.29	183.6	10.82	199.6	12.17	205.6	12.48	213.6	12.78	219.6	13.00
		50.8	155.8	7.32	168.6	8.67	183.6	10.12	199.6	11.40	205.6	11.67	213.6	11.97	219.6	12.22
		63.5	155.8	7.12	168.6	8.49	183.6	9.90	199.6	11.16	205.6	11.45	213.6	11.74	219.6	11.94
		76.2	155.8	6.92	168.6	8.31	183.6	9.68	199.6	10.92	205.6	11.23	213.6	11.51	219.6	11.66
	104	20.3	138.3	8.58	150.0	9.95	163.2	11.60	177.4	13.05	182.8	13.35	189.8	13.68	195.2	13.93
		35.6	138.3	8.40	150.0	9.79	163.2	11.41	177.4	12.84	182.8	13.14	189.8	13.47	195.2	13.72
		50.8	138.3	7.72	150.0	9.16	163.2	10.67	177.4	12.01	182.8	12.31	189.8	12.64	195.2	12.89
		63.5	138.3	7.50	150.0	8.96	163.2	10.44	177.4	11.77	182.8	12.08	189.8	12.39	195.2	12.60
		76.2	138.3	7.28	150.0	8.76	163.2	10.21	177.4	11.53	182.8	11.85	189.8	12.14	195.2	12.31
	113	20.3	120.9	9.04	131.3	10.46	142.7	12.20	155.2	13.73	160.0	14.03	166.0	14.37	170.8	14.67
		35.6	120.9	8.85	131.3	10.30	142.7	12.01	155.2	13.50	160.0	13.81	166.0	14.15	170.8	14.44
		50.8	120.9	8.11	131.3	9.65	142.7	11.23	155.2	12.62	160.0	12.96	166.0	13.31	170.8	13.56
		63.5	120.9	7.88	131.3	9.43	142.7	10.98	155.2	12.39	160.0	12.71	166.0	13.04	170.8	13.27
		76.2	120.9	7.65	131.3	9.21	142.7	10.73	155.2	12.16	160.0	12.46	166.0	12.77	170.8	12.98

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA



ARWM191DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
120	50	20.3	169.0	3.23	182.8	3.77	199.3	4.36	216.5	4.92	222.9	5.07	231.7	5.19	238.1	5.25
		35.6	169.0	3.17	182.8	3.71	199.3	4.30	216.5	4.84	222.9	4.98	231.7	5.10	238.1	5.17
		50.8	169.0	2.91	182.8	3.46	199.3	4.04	216.5	4.52	222.9	4.63	231.7	4.75	238.1	4.85
		63.5	169.0	2.82	182.8	3.36	199.3	3.95	216.5	4.42	222.9	4.56	231.7	4.66	238.1	4.75
		76.2	169.0	2.73	182.8	3.26	199.3	3.86	216.5	4.32	222.9	4.49	231.7	4.57	238.1	4.65
	59	20.3	167.0	4.29	180.8	4.99	197.0	5.79	214.0	6.52	220.4	6.69	229.0	6.85	235.4	6.96
		35.6	167.0	4.20	180.8	4.90	197.0	5.70	214.0	6.42	220.4	6.58	229.0	6.74	235.4	6.85
		50.8	167.0	3.86	180.8	4.58	197.0	5.34	214.0	6.00	220.4	6.15	229.0	6.31	235.4	6.44
		63.5	167.0	3.75	180.8	4.47	197.0	5.23	214.0	5.88	220.4	6.04	229.0	6.18	235.4	6.29
		76.2	167.0	3.64	180.8	4.36	197.0	5.12	214.0	5.76	220.4	5.93	229.0	6.05	235.4	6.14
	67	20.3	165.2	5.23	179.0	6.07	195.0	7.06	211.8	7.95	218.2	8.13	226.6	8.33	233.0	8.48
		35.6	165.2	5.12	179.0	5.97	195.0	6.94	211.8	7.83	218.2	8.01	226.6	8.20	233.0	8.35
		50.8	165.2	4.71	179.0	5.57	195.0	6.49	211.8	7.32	218.2	7.50	226.6	7.70	233.0	7.84
		63.5	165.2	4.58	179.0	5.46	195.0	6.36	211.8	7.18	218.2	7.36	226.6	7.54	233.0	7.66
		76.2	165.2	4.45	179.0	5.35	195.0	6.23	211.8	7.04	218.2	7.22	226.6	7.38	233.0	7.48
	75	20.3	165.2	6.42	179.0	7.46	195.0	8.69	211.8	9.77	218.2	10.00	226.6	10.26	233.0	10.44
		35.6	165.2	6.29	179.0	7.34	195.0	8.55	211.8	9.61	218.2	9.84	226.6	10.10	233.0	10.28
		50.8	165.2	5.79	179.0	6.85	195.0	7.99	211.8	9.00	218.2	9.21	226.6	9.45	233.0	9.65
		63.5	165.2	5.63	179.0	6.71	195.0	7.83	211.8	8.82	218.2	9.03	226.6	9.27	233.0	9.41
		76.2	165.2	5.47	179.0	6.57	195.0	7.67	211.8	8.64	218.2	8.85	226.6	9.09	233.0	9.17
	86	20.3	165.2	7.74	179.0	9.02	195.0	10.50	211.8	11.82	218.2	12.09	226.6	12.40	233.0	12.62
		35.6	165.2	7.59	179.0	8.87	195.0	10.33	211.8	11.63	218.2	11.90	226.6	12.21	233.0	12.42
		50.8	165.2	7.00	179.0	8.29	195.0	9.65	211.8	10.87	218.2	11.14	226.6	11.43	233.0	11.65
		63.5	165.2	6.80	179.0	8.11	195.0	9.45	211.8	10.66	218.2	10.93	226.6	11.21	233.0	11.38
		76.2	165.2	6.60	179.0	7.93	195.0	9.25	211.8	10.45	218.2	10.72	226.6	10.99	233.0	11.11
	95	20.3	151.2	7.95	163.8	9.24	178.4	10.76	193.8	12.11	199.6	12.41	207.4	12.69	213.2	12.93
		35.6	151.2	7.79	163.8	9.09	178.4	10.58	193.8	11.92	199.6	12.21	207.4	12.50	213.2	12.73
		50.8	151.2	7.16	163.8	8.49	178.4	9.90	193.8	11.14	199.6	11.41	207.4	11.72	213.2	11.94
		63.5	151.2	6.96	163.8	8.31	178.4	9.70	193.8	10.93	199.6	11.20	207.4	11.49	213.2	11.67
		76.2	151.2	6.76	163.8	8.13	178.4	9.50	193.8	10.72	199.6	10.99	207.4	11.26	213.2	11.40
	104	20.3	137.1	8.55	148.6	9.93	161.8	11.58	176.0	13.03	181.2	13.34	188.2	13.66	193.4	13.92
		35.6	137.1	8.38	148.6	9.77	161.8	11.40	176.0	12.82	181.2	13.13	188.2	13.45	193.4	13.70
		50.8	137.1	7.72	148.6	9.14	161.8	10.66	176.0	11.99	181.2	12.28	188.2	12.60	193.4	12.86
		63.5	137.1	7.50	148.6	8.94	161.8	10.44	176.0	11.76	181.2	12.06	188.2	12.37	193.4	12.55
		76.2	137.1	7.28	148.6	8.74	161.8	10.22	176.0	11.53	181.2	11.84	188.2	12.14	193.4	12.24
	113	20.3	123.1	9.16	133.3	10.63	145.2	12.41	158.2	13.94	162.8	14.27	169.0	14.64	173.6	14.90
		35.6	123.1	8.98	133.3	10.46	145.2	12.21	158.2	13.72	162.8	14.05	169.0	14.41	173.6	14.68
		50.8	123.1	8.28	133.3	9.79	145.2	11.41	158.2	12.84	162.8	13.14	169.0	13.49	173.6	13.78
		63.5	123.1	8.04	133.3	9.57	145.2	11.18	158.2	12.59	162.8	12.93	169.0	13.25	173.6	13.43
		76.2	123.1	7.80	133.3	9.35	145.2	10.95	158.2	12.34	162.8	12.72	169.0	13.01	173.6	13.08

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
110	50	20.3	159.3	3.05	172.7	3.53	187.9	4.14	204.1	4.64	210.1	4.74	218.6	4.89	224.4	4.96
		35.6	159.3	2.99	172.7	3.47	187.9	4.07	204.1	4.57	210.1	4.67	218.6	4.81	224.4	4.88
		50.8	159.3	2.75	172.7	3.25	187.9	3.79	204.1	4.27	210.1	4.40	218.6	4.50	224.4	4.57
		63.5	159.3	2.68	172.7	3.18	187.9	3.70	204.1	4.21	210.1	4.27	218.6	4.41	224.4	4.46
		76.2	159.3	2.61	172.7	3.11	187.9	3.61	204.1	4.15	210.1	4.14	218.6	4.32	224.4	4.35
	59	20.3	158.4	4.08	171.6	4.75	186.8	5.54	203.0	6.23	209.0	6.37	217.2	6.54	223.2	6.65
		35.6	158.4	4.00	171.6	4.67	186.8	5.45	203.0	6.13	209.0	6.27	217.2	6.44	223.2	6.55
		50.8	158.4	3.68	171.6	4.36	186.8	5.08	203.0	5.73	209.0	5.88	217.2	6.02	223.2	6.13
		63.5	158.4	3.59	171.6	4.27	186.8	4.98	203.0	5.63	209.0	5.75	217.2	5.91	223.2	5.99
		76.2	158.4	3.50	171.6	4.18	186.8	4.88	203.0	5.53	209.0	5.62	217.2	5.80	223.2	5.85
	67	20.3	157.6	5.00	170.6	5.83	185.8	6.78	202.0	7.64	208.0	7.83	216.0	8.01	222.2	8.15
		35.6	157.6	4.90	170.6	5.73	185.8	6.67	202.0	7.52	208.0	7.70	216.0	7.88	222.2	8.02
		50.8	157.6	4.51	170.6	5.36	185.8	6.24	202.0	7.03	208.0	7.19	216.0	7.37	222.2	7.52
		63.5	157.6	4.40	170.6	5.25	185.8	6.11	202.0	6.89	208.0	7.07	216.0	7.25	222.2	7.34
		76.2	157.6	4.29	170.6	5.14	185.8	5.98	202.0	6.75	208.0	6.95	216.0	7.13	222.2	7.16
	75	20.3	157.6	6.12	170.6	7.13	185.8	8.30	202.0	9.35	208.0	9.56	216.0	9.80	222.2	9.98
		35.6	157.6	6.00	170.6	7.01	185.8	8.17	202.0	9.20	208.0	9.41	216.0	9.65	222.2	9.83
		50.8	157.6	5.54	170.6	6.56	185.8	7.64	202.0	8.60	208.0	8.82	216.0	9.03	222.2	9.21
		63.5	157.6	5.37	170.6	6.42	185.8	7.48	202.0	8.44	208.0	8.64	216.0	8.87	222.2	8.98
		76.2	157.6	5.20	170.6	6.28	185.8	7.32	202.0	8.28	208.0	8.46	216.0	8.71	222.2	8.75
	86	20.3	157.6	7.47	170.6	8.69	185.8	10.12	202.0	11.40	208.0	11.67	216.0	11.94	222.2	12.16
		35.6	157.6	7.32	170.6	8.55	185.8	9.95	202.0	11.21	208.0	11.49	216.0	11.76	222.2	11.97
		50.8	157.6	6.74	170.6	7.99	185.8	9.30	202.0	10.48	208.0	10.75	216.0	11.02	222.2	11.21
		63.5	157.6	6.56	170.6	7.83	185.8	9.12	202.0	10.28	208.0	10.53	216.0	10.80	222.2	10.94
		76.2	157.6	6.38	170.6	7.67	185.8	8.94	202.0	10.08	208.0	10.31	216.0	10.58	222.2	10.67
	95	20.3	146.8	7.78	159.0	9.03	173.2	10.52	188.2	11.86	193.8	12.13	201.4	12.42	207.0	12.66
		35.6	146.8	7.63	159.0	8.89	173.2	10.35	188.2	11.67	193.8	11.94	201.4	12.22	207.0	12.46
		50.8	146.8	7.01	159.0	8.31	173.2	9.68	188.2	10.91	193.8	11.16	201.4	11.45	207.0	11.67
		63.5	146.8	6.82	159.0	8.13	173.2	9.48	188.2	10.69	193.8	10.96	201.4	11.23	207.0	11.38
		76.2	146.8	6.63	159.0	7.95	173.2	9.28	188.2	10.47	193.8	10.76	201.4	11.01	207.0	11.09
	104	20.3	135.9	8.53	147.4	9.94	160.4	11.56	174.4	13.01	179.6	13.32	186.6	13.65	191.8	13.90
		35.6	135.9	8.37	147.4	9.77	160.4	11.38	174.4	12.80	179.6	13.11	186.6	13.43	191.8	13.69
		50.8	135.9	7.70	147.4	9.12	160.4	10.64	174.4	11.97	179.6	12.26	186.6	12.59	191.8	12.82
		63.5	135.9	7.48	147.4	8.93	160.4	10.42	174.4	11.74	179.6	12.04	186.6	12.35	191.8	12.50
		76.2	135.9	7.26	147.4	8.74	160.4	10.20	174.4	11.51	179.6	11.82	186.6	12.11	191.8	12.18
	113	20.3	125.1	9.29	135.7	10.84	147.6	12.61	160.6	14.17	165.4	14.51	171.8	14.87	176.6	15.15
		35.6	125.1	9.11	135.7	10.66	147.6	12.40	160.6	13.94	165.4	14.28	171.8	14.64	176.6	14.91
		50.8	125.1	8.38	135.7	9.93	147.6	11.59	160.6	13.04	165.4	13.36	171.8	13.72	176.6	13.97
		63.5	125.1	8.15	135.7	9.72	147.6	11.36	160.6	12.78	165.4	13.13	171.8	13.47	176.6	13.61
		76.2	125.1	7.92	135.7	9.51	147.6	11.13	160.6	12.52	165.4	12.90	171.8	13.22	176.6	13.25

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM191DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
100	50	20.3	149.8	2.89	162.2	3.35	176.6	3.85	192.0	4.39	197.8	4.45	205.4	4.60	211.2	4.69
		35.6	149.8	2.83	162.2	3.30	176.6	3.80	192.0	4.32	197.8	4.39	205.4	4.53	211.2	4.62
		50.8	149.8	2.60	162.2	3.07	176.6	3.57	192.0	4.04	197.8	4.13	205.4	4.23	211.2	4.32
		63.5	149.8	2.52	162.2	3.00	176.6	3.48	192.0	3.96	197.8	4.04	205.4	4.14	211.2	4.18
		76.2	149.8	2.44	162.2	2.93	176.6	3.39	192.0	3.88	197.8	3.95	205.4	4.05	211.2	4.04
	59	20.3	149.8	3.90	162.2	4.53	176.6	5.26	192.0	5.94	197.8	6.06	205.4	6.23	211.2	6.34
		35.6	149.8	3.82	162.2	4.45	176.6	5.17	192.0	5.84	197.8	5.97	205.4	6.13	211.2	6.24
		50.8	149.8	3.52	162.2	4.17	176.6	4.85	192.0	5.46	197.8	5.59	205.4	5.73	211.2	5.84
		63.5	149.8	3.41	162.2	4.07	176.6	4.74	192.0	5.36	197.8	5.48	205.4	5.63	211.2	5.68
		76.2	149.8	3.30	162.2	3.97	176.6	4.63	192.0	5.26	197.8	5.37	205.4	5.53	211.2	5.52
	67	20.3	149.8	4.80	162.2	5.57	176.6	6.51	192.0	7.31	197.8	7.50	205.4	7.68	211.2	7.80
		35.6	149.8	4.71	162.2	5.48	176.6	6.40	192.0	7.19	197.8	7.37	205.4	7.55	211.2	7.68
		50.8	149.8	4.33	162.2	5.14	176.6	5.99	192.0	6.73	197.8	6.89	205.4	7.07	211.2	7.19
		63.5	149.8	4.20	162.2	5.03	176.6	5.86	192.0	6.60	197.8	6.76	205.4	6.94	211.2	7.01
		76.2	149.8	4.07	162.2	4.92	176.6	5.73	192.0	6.47	197.8	6.63	205.4	6.81	211.2	6.83
	75	20.3	149.8	5.85	162.2	6.80	176.6	7.92	192.0	8.93	197.8	9.15	205.4	9.36	211.2	9.53
		35.6	149.8	5.73	162.2	6.69	176.6	7.79	192.0	8.78	197.8	9.00	205.4	9.21	211.2	9.38
		50.8	149.8	5.28	162.2	6.26	176.6	7.28	192.0	8.20	197.8	8.40	205.4	8.62	211.2	8.78
		63.5	149.8	5.14	162.2	6.13	176.6	7.14	192.0	8.04	197.8	8.24	205.4	8.46	211.2	8.55
		76.2	149.8	5.00	162.2	6.00	176.6	7.00	192.0	7.88	197.8	8.08	205.4	8.30	211.2	8.32
	86	20.3	149.8	7.19	162.2	8.38	176.6	9.75	192.0	10.98	197.8	11.23	205.4	11.51	211.2	11.73
		35.6	149.8	7.05	162.2	8.24	176.6	9.59	192.0	10.80	197.8	11.05	205.4	11.32	211.2	11.54
		50.8	149.8	6.49	162.2	7.70	176.6	8.96	192.0	10.10	197.8	10.33	205.4	10.60	211.2	10.80
		63.5	149.8	6.31	162.2	7.54	176.6	8.78	192.0	9.90	197.8	10.15	205.4	10.40	211.2	10.51
		76.2	149.8	6.13	162.2	7.38	176.6	8.60	192.0	9.70	197.8	9.97	205.4	10.20	211.2	10.22
	95	20.3	142.3	7.60	154.2	8.83	167.8	10.28	182.4	11.58	187.8	11.86	195.2	12.15	200.6	12.37
		35.6	142.3	7.45	154.2	8.69	167.8	10.12	182.4	11.40	187.8	11.67	195.2	11.95	200.6	12.17
		50.8	142.3	6.85	154.2	8.13	167.8	9.47	182.4	10.66	187.8	10.91	195.2	11.20	200.6	11.40
		63.5	142.3	6.67	154.2	7.95	167.8	9.27	182.4	10.46	187.8	10.71	195.2	10.98	200.6	11.09
		76.2	142.3	6.49	154.2	7.77	167.8	9.07	182.4	10.26	187.8	10.51	195.2	10.76	200.6	10.78
	104	20.3	134.7	8.54	146.0	9.91	159.0	11.55	172.8	12.99	178.0	13.30	185.0	13.63	190.0	13.87
		35.6	134.7	8.37	146.0	9.75	159.0	11.36	172.8	12.78	178.0	13.09	185.0	13.41	190.0	13.65
		50.8	134.7	7.68	146.0	9.12	159.0	10.62	172.8	11.95	178.0	12.24	185.0	12.55	190.0	12.78
		63.5	134.7	7.48	146.0	8.93	159.0	10.40	172.8	11.72	178.0	12.01	185.0	12.31	190.0	12.44
		76.2	134.7	7.28	146.0	8.74	159.0	10.18	172.8	11.49	178.0	11.78	185.0	12.07	190.0	12.10
	113	20.3	127.1	9.48	137.7	11.00	150.2	12.81	163.2	14.40	168.2	14.75	174.8	15.12	179.4	15.37
		35.6	127.1	9.29	137.7	10.82	150.2	12.60	163.2	14.17	168.2	14.51	174.8	14.88	179.4	15.13
		50.8	127.1	8.51	137.7	10.12	150.2	11.77	163.2	13.25	168.2	13.58	174.8	13.90	179.4	14.17
		63.5	127.1	8.29	137.7	9.90	150.2	11.54	163.2	12.98	168.2	13.31	174.8	13.65	179.4	13.79
		76.2	127.1	8.07	137.7	9.68	150.2	11.31	163.2	12.71	168.2	13.04	174.8	13.40	179.4	13.41

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
90	50	20.3	134.7	2.45	146.0	2.85	159.0	3.33	172.8	3.77	178.0	3.84	185.0	3.92	190.0	4.04
		35.6	134.7	2.41	146.0	2.81	159.0	3.28	172.8	3.71	178.0	3.78	185.0	3.87	190.0	3.97
		50.8	134.7	2.24	146.0	2.65	159.0	3.07	172.8	3.49	178.0	3.56	185.0	3.66	190.0	3.71
		63.5	134.7	2.17	146.0	2.56	159.0	3.02	172.8	3.38	178.0	3.49	185.0	3.59	190.0	3.59
		76.2	134.7	2.10	146.0	2.47	159.0	2.97	172.8	3.27	178.0	3.42	185.0	3.52	190.0	3.47
	59	20.3	134.7	3.35	146.0	3.88	159.0	4.53	172.8	5.11	178.0	5.22	185.0	5.35	190.0	5.46
		35.6	134.7	3.28	146.0	3.82	159.0	4.45	172.8	5.03	178.0	5.14	185.0	5.26	190.0	5.37
		50.8	134.7	3.03	146.0	3.59	159.0	4.17	172.8	4.71	178.0	4.81	185.0	4.94	190.0	5.03
		63.5	134.7	2.94	146.0	3.50	159.0	4.09	172.8	4.60	178.0	4.72	185.0	4.85	190.0	4.89
		76.2	134.7	2.85	146.0	3.41	159.0	4.01	172.8	4.49	178.0	4.63	185.0	4.76	190.0	4.75
	67	20.3	134.7	4.14	146.0	4.80	159.0	5.59	172.8	6.31	178.0	6.45	185.0	6.62	190.0	6.72
		35.6	134.7	4.06	146.0	4.72	159.0	5.50	172.8	6.20	178.0	6.35	185.0	6.51	190.0	6.62
		50.8	134.7	3.73	146.0	4.42	159.0	5.14	172.8	5.79	178.0	5.93	185.0	6.08	190.0	6.20
		63.5	134.7	3.62	146.0	4.33	159.0	5.05	172.8	5.68	178.0	5.82	185.0	5.97	190.0	6.04
		76.2	134.7	3.51	146.0	4.24	159.0	4.96	172.8	5.57	178.0	5.71	185.0	5.86	190.0	5.88
	75	20.3	134.7	5.04	146.0	5.87	159.0	6.82	172.8	7.68	178.0	7.86	185.0	8.06	190.0	8.21
		35.6	134.7	4.94	146.0	5.77	159.0	6.71	172.8	7.55	178.0	7.74	185.0	7.93	190.0	8.08
		50.8	134.7	4.54	146.0	5.39	159.0	6.27	172.8	7.07	178.0	7.23	185.0	7.43	190.0	7.55
		63.5	134.7	4.42	146.0	5.26	159.0	6.15	172.8	6.92	178.0	7.10	185.0	7.28	190.0	7.36
		76.2	134.7	4.30	146.0	5.13	159.0	6.03	172.8	6.77	178.0	6.97	185.0	7.13	190.0	7.17
	86	20.3	134.7	6.20	146.0	7.20	159.0	8.39	172.8	9.46	178.0	9.67	185.0	9.91	190.0	10.10
		35.6	134.7	6.08	146.0	7.09	159.0	8.26	172.8	9.30	178.0	9.52	185.0	9.75	190.0	9.93
		50.8	134.7	5.59	146.0	6.62	159.0	7.72	172.8	8.69	178.0	8.91	185.0	9.12	190.0	9.29
		63.5	134.7	5.43	146.0	6.49	159.0	7.55	172.8	8.53	178.0	8.73	185.0	8.96	190.0	9.05
		76.2	134.7	5.27	146.0	6.36	159.0	7.38	172.8	8.37	178.0	8.55	185.0	8.80	190.0	8.81
	95	20.3	131.1	6.70	141.9	7.77	154.6	9.05	168.0	10.19	173.0	10.43	179.8	10.68	184.8	10.88
		35.6	131.1	6.56	141.9	7.64	154.6	8.91	168.0	10.02	173.0	10.26	179.8	10.51	184.8	10.71
		50.8	131.1	6.02	141.9	7.14	154.6	8.33	168.0	9.38	173.0	9.59	179.8	9.84	184.8	10.02
		63.5	131.1	5.86	141.9	7.00	154.6	8.15	168.0	9.20	173.0	9.43	179.8	9.66	184.8	9.75
		76.2	131.1	5.70	141.9	6.86	154.6	7.97	168.0	9.02	173.0	9.27	179.8	9.48	184.8	9.48
	104	20.3	127.3	7.69	137.9	8.93	150.2	10.39	163.2	11.71	168.2	11.98	174.6	12.28	179.6	12.49
		35.6	127.3	7.54	137.9	8.78	150.2	10.22	163.2	11.52	168.2	11.79	174.6	12.08	179.6	12.30
		50.8	127.3	6.92	137.9	8.20	150.2	9.57	163.2	10.76	168.2	11.03	174.6	11.31	179.6	11.52
		63.5	127.3	6.73	137.9	8.04	150.2	9.38	163.2	10.57	168.2	10.82	174.6	11.11	179.6	11.21
		76.2	127.3	6.54	137.9	7.88	150.2	9.19	163.2	10.38	168.2	10.61	174.6	10.91	179.6	10.90
	113	20.3	123.5	8.68	133.9	10.08	145.8	11.72	158.4	13.24	163.4	13.54	169.4	13.87	174.4	14.10
		35.6	123.5	8.51	133.9	9.92	145.8	11.54	158.4	13.02	163.4	13.32	169.4	13.65	174.4	13.88
		50.8	123.5	7.83	133.9	9.27	145.8	10.82	158.4	12.15	163.4	12.48	169.4	12.77	174.4	13.02
		63.5	123.5	7.59	133.9	9.09	145.8	10.60	158.4	11.94	163.4	12.21	169.4	12.55	174.4	12.68
		76.2	123.5	7.35	133.9	8.91	145.8	10.38	158.4	11.73	163.4	11.94	169.4	12.33	174.4	12.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM191DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units

MULTI V Water 5 Outdoor Unit Performance Data Manual

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
80	50	20.3	119.7	2.10	129.7	2.39	141.3	2.78	153.6	3.18	158.2	3.22	164.4	3.32	169.0	3.35
		35.6	119.7	2.05	129.7	2.36	141.3	2.74	153.6	3.12	158.2	3.17	164.4	3.26	169.0	3.29
		50.8	119.7	1.85	129.7	2.24	141.3	2.59	153.6	2.90	158.2	2.98	164.4	3.03	169.0	3.09
		63.5	119.7	1.84	129.7	2.17	141.3	2.53	153.6	2.84	158.2	2.89	164.4	2.98	169.0	3.02
		76.2	119.7	1.83	129.7	2.10	141.3	2.47	153.6	2.78	158.2	2.80	164.4	2.93	169.0	2.95
	59	20.3	119.7	2.82	129.7	3.26	141.3	3.79	153.6	4.29	158.2	4.38	164.4	4.49	169.0	4.56
		35.6	119.7	2.76	129.7	3.21	141.3	3.73	153.6	4.22	158.2	4.31	164.4	4.42	169.0	4.49
		50.8	119.7	2.52	129.7	3.01	141.3	3.50	153.6	3.93	158.2	4.04	164.4	4.13	169.0	4.20
		63.5	119.7	2.47	129.7	2.94	141.3	3.43	153.6	3.86	158.2	3.95	164.4	4.06	169.0	4.09
		76.2	119.7	2.42	129.7	2.87	141.3	3.36	153.6	3.79	158.2	3.86	164.4	3.99	169.0	3.98
	67	20.3	119.7	3.46	129.7	4.03	141.3	4.69	153.6	5.28	158.2	5.41	164.4	5.53	169.0	5.64
		35.6	119.7	3.39	129.7	3.97	141.3	4.62	153.6	5.19	158.2	5.32	164.4	5.45	169.0	5.55
		50.8	119.7	3.12	129.7	3.70	141.3	4.31	153.6	4.85	158.2	4.98	164.4	5.10	169.0	5.19
		63.5	119.7	3.03	129.7	3.62	141.3	4.22	153.6	4.76	158.2	4.89	164.4	5.01	169.0	5.05
		76.2	119.7	2.94	129.7	3.54	141.3	4.13	153.6	4.67	158.2	4.80	164.4	4.92	169.0	4.91
	75	20.3	119.7	4.23	129.7	4.91	141.3	5.72	153.6	6.43	158.2	6.60	164.4	6.76	169.0	6.87
		35.6	119.7	4.15	129.7	4.83	141.3	5.63	153.6	6.33	158.2	6.49	164.4	6.65	169.0	6.76
		50.8	119.7	3.80	129.7	4.51	141.3	5.26	153.6	5.93	158.2	6.06	164.4	6.22	169.0	6.33
		63.5	119.7	3.70	129.7	4.42	141.3	5.16	153.6	5.81	158.2	5.95	164.4	6.11	169.0	6.17
		76.2	119.7	3.60	129.7	4.33	141.3	5.06	153.6	5.69	158.2	5.84	164.4	6.00	169.0	6.01
	86	20.3	119.7	5.18	129.7	6.03	141.3	7.04	153.6	7.92	158.2	8.10	164.4	8.30	169.0	8.47
		35.6	119.7	5.08	129.7	5.93	141.3	6.92	153.6	7.79	158.2	7.97	164.4	8.17	169.0	8.33
		50.8	119.7	4.69	129.7	5.55	141.3	6.47	153.6	7.28	158.2	7.46	164.4	7.64	169.0	7.79
		63.5	119.7	4.56	129.7	5.43	141.3	6.33	153.6	7.14	158.2	7.32	164.4	7.50	169.0	7.59
		76.2	119.7	4.43	129.7	5.31	141.3	6.19	153.6	7.00	158.2	7.18	164.4	7.36	169.0	7.39
	95	20.3	119.7	5.78	129.7	6.71	141.3	7.80	153.6	8.80	158.2	9.02	164.4	9.24	169.0	9.40
		35.6	119.7	5.66	129.7	6.60	141.3	7.68	153.6	8.65	158.2	8.87	164.4	9.09	169.0	9.25
		50.8	119.7	5.21	129.7	6.17	141.3	7.19	153.6	8.10	158.2	8.29	164.4	8.49	169.0	8.65
		63.5	119.7	5.07	129.7	6.04	141.3	7.05	153.6	7.93	158.2	8.13	164.4	8.35	169.0	8.42
		76.2	119.7	4.93	129.7	5.91	141.3	6.91	153.6	7.76	158.2	7.97	164.4	8.21	169.0	8.19
	104	20.3	119.7	6.84	129.7	7.96	141.3	9.26	153.6	10.43	158.2	10.67	164.4	10.94	169.0	11.12
		35.6	119.7	6.71	129.7	7.83	141.3	9.11	153.6	10.26	158.2	10.49	164.4	10.76	169.0	10.94
		50.8	119.7	6.17	129.7	7.30	141.3	8.51	153.6	9.59	158.2	9.81	164.4	10.06	169.0	10.24
		63.5	119.7	5.99	129.7	7.16	141.3	8.33	153.6	9.39	158.2	9.63	164.4	9.88	169.0	9.97
		76.2	119.7	5.81	129.7	7.02	141.3	8.15	153.6	9.19	158.2	9.45	164.4	9.70	169.0	9.70
	113	20.3	119.7	7.91	129.7	9.21	141.3	10.71	153.6	12.06	158.2	12.32	164.4	12.65	169.0	12.84
		35.6	119.7	7.75	129.7	9.05	141.3	10.53	153.6	11.86	158.2	12.12	164.4	12.44	169.0	12.64
		50.8	119.7	7.12	129.7	8.44	141.3	9.83	153.6	11.09	158.2	11.32	164.4	11.63	169.0	11.83
		63.5	119.7	6.91	129.7	8.28	141.3	9.61	153.6	10.85	158.2	11.12	164.4	11.41	169.0	11.52
		76.2	119.7	6.70	129.7	8.12	141.3	9.39	153.6	10.61	158.2	10.92	164.4	11.19	169.0	11.21

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
70	50	20.3	104.9	1.71	113.5	1.99	123.7	2.30	134.3	2.60	138.3	2.70	143.7	2.77	147.8	2.78
		35.6	104.9	1.68	113.5	1.96	123.7	2.27	134.3	2.56	138.3	2.65	143.7	2.72	147.8	2.74
		50.8	104.9	1.56	113.5	1.82	123.7	2.13	134.3	2.43	138.3	2.48	143.7	2.55	147.8	2.59
		63.5	104.9	1.53	113.5	1.79	123.7	2.10	134.3	2.36	138.3	2.41	143.7	2.48	147.8	2.52
		76.2	104.9	1.50	113.5	1.76	123.7	2.07	134.3	2.29	138.3	2.34	143.7	2.41	147.8	2.45
	59	20.3	104.9	2.34	113.5	2.71	123.7	3.15	134.3	3.55	138.3	3.65	143.7	3.74	147.8	3.79
		35.6	104.9	2.29	113.5	2.67	123.7	3.10	134.3	3.50	138.3	3.59	143.7	3.68	147.8	3.73
		50.8	104.9	2.11	113.5	2.49	123.7	2.90	134.3	3.28	138.3	3.35	143.7	3.44	147.8	3.50
		63.5	104.9	2.06	113.5	2.43	123.7	2.85	134.3	3.21	138.3	3.28	143.7	3.37	147.8	3.41
		76.2	104.9	2.01	113.5	2.37	123.7	2.80	134.3	3.14	138.3	3.21	143.7	3.30	147.8	3.32
	67	20.3	104.9	2.89	113.5	3.35	123.7	3.90	134.3	4.40	138.3	4.49	143.7	4.60	147.8	4.69
		35.6	104.9	2.83	113.5	3.30	123.7	3.84	134.3	4.33	138.3	4.42	143.7	4.53	147.8	4.62
		50.8	104.9	2.60	113.5	3.08	123.7	3.59	134.3	4.04	138.3	4.13	143.7	4.24	147.8	4.31
		63.5	104.9	2.52	113.5	3.01	123.7	3.52	134.3	3.97	138.3	4.06	143.7	4.17	147.8	4.20
		76.2	104.9	2.44	113.5	2.94	123.7	3.45	134.3	3.90	138.3	3.99	143.7	4.10	147.8	4.09
	75	20.3	104.9	3.51	113.5	4.09	123.7	4.74	134.3	5.35	138.3	5.48	143.7	5.60	147.8	5.72
		35.6	104.9	3.44	113.5	4.02	123.7	4.67	134.3	5.26	138.3	5.39	143.7	5.52	147.8	5.63
		50.8	104.9	3.17	113.5	3.75	123.7	4.38	134.3	4.92	138.3	5.05	143.7	5.17	147.8	5.26
		63.5	104.9	3.08	113.5	3.68	123.7	4.29	134.3	4.83	138.3	4.94	143.7	5.07	147.8	5.12
		76.2	104.9	2.99	113.5	3.61	123.7	4.20	134.3	4.74	138.3	4.83	143.7	4.97	147.8	4.98
	86	20.3	104.9	4.32	113.5	5.02	123.7	5.85	134.3	6.58	138.3	6.74	143.7	6.91	147.8	7.04
		35.6	104.9	4.24	113.5	4.94	123.7	5.75	134.3	6.47	138.3	6.64	143.7	6.80	147.8	6.92
		50.8	104.9	3.89	113.5	4.62	123.7	5.37	134.3	6.06	138.3	6.20	143.7	6.36	147.8	6.47
		63.5	104.9	3.79	113.5	4.53	123.7	5.26	134.3	5.93	138.3	6.09	143.7	6.24	147.8	6.31
		76.2	104.9	3.69	113.5	4.44	123.7	5.15	134.3	5.80	138.3	5.98	143.7	6.12	147.8	6.15
	95	20.3	104.9	4.80	113.5	5.57	123.7	6.51	134.3	7.31	138.3	7.50	143.7	7.68	147.8	7.80
		35.6	104.9	4.71	113.5	5.48	123.7	6.40	134.3	7.19	138.3	7.37	143.7	7.55	147.8	7.68
		50.8	104.9	4.33	113.5	5.14	123.7	5.97	134.3	6.73	138.3	6.89	143.7	7.07	147.8	7.19
		63.5	104.9	4.20	113.5	5.01	123.7	5.86	134.3	6.60	138.3	6.76	143.7	6.94	147.8	7.01
		76.2	104.9	4.07	113.5	4.88	123.7	5.75	134.3	6.47	138.3	6.63	143.7	6.81	147.8	6.83
	104	20.3	104.9	5.69	113.5	6.60	123.7	7.70	134.3	8.67	138.3	8.87	143.7	9.09	147.8	9.25
		35.6	104.9	5.57	113.5	6.49	123.7	7.57	134.3	8.53	138.3	8.73	143.7	8.94	147.8	9.11
		50.8	104.9	5.12	113.5	6.08	123.7	7.09	134.3	7.97	138.3	8.17	143.7	8.37	147.8	8.53
		63.5	104.9	4.98	113.5	5.95	123.7	6.92	134.3	7.81	138.3	8.01	143.7	8.22	147.8	8.29
		76.2	104.9	4.84	113.5	5.82	123.7	6.75	134.3	7.65	138.3	7.85	143.7	8.07	147.8	8.05
	113	20.3	104.9	6.57	113.5	7.62	123.7	8.88	134.3	10.03	138.3	10.24	143.7	10.50	147.8	10.70
		35.6	104.9	6.44	113.5	7.50	123.7	8.74	134.3	9.86	138.3	10.08	143.7	10.33	147.8	10.53
		50.8	104.9	5.91	113.5	7.01	123.7	8.20	134.3	9.21	138.3	9.45	143.7	9.66	147.8	9.86
		63.5	104.9	5.75	113.5	6.89	123.7	7.99	134.3	9.02	138.3	9.25	143.7	9.50	147.8	9.57
		76.2	104.9	5.59	113.5	6.77	123.7	7.78	134.3	8.83	138.3	9.05	143.7	9.34	147.8	9.28

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM191DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
60	50	20.3	89.9	1.36	97.3	1.59	105.9	1.82	115.1	2.10	118.7	2.16	123.3	2.18	126.7	2.21
		35.6	89.9	1.33	97.3	1.56	105.9	1.80	115.1	2.06	118.7	2.12	123.3	2.15	126.7	2.18
		50.8	89.9	1.23	97.3	1.46	105.9	1.72	115.1	1.92	118.7	1.96	123.3	2.03	126.7	2.06
		63.5	89.9	1.18	97.3	1.44	105.9	1.68	115.1	1.89	118.7	1.92	123.3	1.98	126.7	2.01
		76.2	89.9	1.13	97.3	1.42	105.9	1.64	115.1	1.86	118.7	1.88	123.3	1.93	126.7	1.96
	59	20.3	89.9	1.86	97.3	2.16	105.9	2.51	115.1	2.84	118.7	2.92	123.3	2.97	126.7	3.02
		35.6	89.9	1.82	97.3	2.13	105.9	2.47	115.1	2.79	118.7	2.87	123.3	2.92	126.7	2.98
		50.8	89.9	1.68	97.3	1.98	105.9	2.33	115.1	2.61	118.7	2.67	123.3	2.74	126.7	2.79
		63.5	89.9	1.62	97.3	1.95	105.9	2.27	115.1	2.56	118.7	2.61	123.3	2.69	126.7	2.72
		76.2	89.9	1.56	97.3	1.92	105.9	2.21	115.1	2.51	118.7	2.55	123.3	2.64	126.7	2.65
	67	20.3	89.9	2.30	97.3	2.68	105.9	3.12	115.1	3.50	118.7	3.59	123.3	3.67	126.7	3.74
		35.6	89.9	2.25	97.3	2.63	105.9	3.07	115.1	3.44	118.7	3.53	123.3	3.61	126.7	3.68
		50.8	89.9	2.07	97.3	2.45	105.9	2.87	115.1	3.23	118.7	3.30	123.3	3.37	126.7	3.44
		63.5	89.9	2.02	97.3	2.40	105.9	2.79	115.1	3.16	118.7	3.23	123.3	3.32	126.7	3.35
		76.2	89.9	1.97	97.3	2.35	105.9	2.71	115.1	3.09	118.7	3.16	123.3	3.27	126.7	3.26
	75	20.3	89.9	2.80	97.3	3.26	105.9	3.80	115.1	4.27	118.7	4.36	123.3	4.47	126.7	4.56
		35.6	89.9	2.74	97.3	3.21	105.9	3.73	115.1	4.20	118.7	4.29	123.3	4.40	126.7	4.49
		50.8	89.9	2.52	97.3	2.99	105.9	3.48	115.1	3.93	118.7	4.02	123.3	4.13	126.7	4.20
		63.5	89.9	2.45	97.3	2.92	105.9	3.41	115.1	3.84	118.7	3.95	123.3	4.04	126.7	4.09
		76.2	89.9	2.38	97.3	2.85	105.9	3.34	115.1	3.75	118.7	3.88	123.3	3.95	126.7	3.98
	86	20.3	89.9	3.44	97.3	3.99	105.9	4.65	115.1	5.24	118.7	5.37	123.3	5.50	126.7	5.61
		35.6	89.9	3.37	97.3	3.93	105.9	4.58	115.1	5.16	118.7	5.28	123.3	5.41	126.7	5.52
		50.8	89.9	3.10	97.3	3.68	105.9	4.29	115.1	4.83	118.7	4.94	123.3	5.07	126.7	5.16
		63.5	89.9	3.01	97.3	3.61	105.9	4.20	115.1	4.74	118.7	4.85	123.3	4.98	126.7	5.03
		76.2	89.9	2.92	97.3	3.54	105.9	4.11	115.1	4.65	118.7	4.76	123.3	4.89	126.7	4.90
	95	20.3	89.9	3.83	97.3	4.45	105.9	5.19	115.1	5.82	118.7	5.97	123.3	6.12	126.7	6.23
		35.6	89.9	3.75	97.3	4.38	105.9	5.10	115.1	5.73	118.7	5.88	123.3	6.02	126.7	6.13
		50.8	89.9	3.44	97.3	4.09	105.9	4.76	115.1	5.37	118.7	5.50	123.3	5.63	126.7	5.73
		63.5	89.9	3.35	97.3	4.00	105.9	4.67	115.1	5.26	118.7	5.39	123.3	5.54	126.7	5.59
		76.2	89.9	3.26	97.3	3.91	105.9	4.58	115.1	5.15	118.7	5.28	123.3	5.45	126.7	5.45
	104	20.3	89.9	4.52	97.3	5.26	105.9	6.14	115.1	6.91	118.7	7.07	123.3	7.24	126.7	7.38
		35.6	89.9	4.44	97.3	5.17	105.9	6.04	115.1	6.80	118.7	6.96	123.3	7.12	126.7	7.27
		50.8	89.9	4.09	97.3	4.85	105.9	5.64	115.1	6.35	118.7	6.51	123.3	6.67	126.7	6.80
		63.5	89.9	3.97	97.3	4.74	105.9	5.54	115.1	6.22	118.7	6.38	123.3	6.55	126.7	6.62
		76.2	89.9	3.85	97.3	4.63	105.9	5.44	115.1	6.09	118.7	6.25	123.3	6.43	126.7	6.44
	113	20.3	89.9	5.22	97.3	6.06	105.9	7.09	115.1	8.00	118.7	8.17	123.3	8.35	126.7	8.54
		35.6	89.9	5.12	97.3	5.97	105.9	6.98	115.1	7.86	118.7	8.04	123.3	8.22	126.7	8.40
		50.8	89.9	4.74	97.3	5.61	105.9	6.53	115.1	7.32	118.7	7.52	123.3	7.72	126.7	7.86
		63.5	89.9	4.58	97.3	5.48	105.9	6.40	115.1	7.18	118.7	7.37	123.3	7.55	126.7	7.64
		76.2	89.9	4.42	97.3	5.35	105.9	6.27	115.1	7.04	118.7	7.22	123.3	7.38	126.7	7.42

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
50	50	20.3	74.9	1.01	81.1	1.18	88.3	1.42	96.1	1.55	98.9	1.58	102.7	1.65	105.5	1.66
		35.6	74.9	0.99	81.1	1.16	88.3	1.39	96.1	1.53	98.9	1.56	102.7	1.61	105.5	1.63
		50.8	74.9	0.90	81.1	1.09	88.3	1.28	96.1	1.44	98.9	1.49	102.7	1.49	105.5	1.53
		63.5	74.9	0.88	81.1	1.10	88.3	1.25	96.1	1.40	98.9	1.42	102.7	1.47	105.5	1.47
		76.2	74.9	0.86	81.1	1.11	88.3	1.22	96.1	1.36	98.9	1.35	102.7	1.45	105.5	1.41
	59	20.3	74.9	1.38	81.1	1.61	88.3	1.89	96.1	2.11	98.9	2.16	102.7	2.22	105.5	2.25
		35.6	74.9	1.35	81.1	1.59	88.3	1.86	96.1	2.07	98.9	2.13	102.7	2.18	105.5	2.22
		50.8	74.9	1.24	81.1	1.48	88.3	1.73	96.1	1.95	98.9	2.00	102.7	2.04	105.5	2.07
		63.5	74.9	1.21	81.1	1.46	88.3	1.69	96.1	1.91	98.9	1.95	102.7	2.00	105.5	2.02
		76.2	74.9	1.18	81.1	1.44	88.3	1.65	96.1	1.87	98.9	1.90	102.7	1.96	105.5	1.97
	67	20.3	74.9	1.71	81.1	2.00	88.3	2.31	96.1	2.60	98.9	2.68	102.7	2.73	105.5	2.79
		35.6	74.9	1.68	81.1	1.97	88.3	2.27	96.1	2.56	98.9	2.63	102.7	2.69	105.5	2.74
		50.8	74.9	1.55	81.1	1.82	88.3	2.13	96.1	2.40	98.9	2.45	102.7	2.52	105.5	2.56
		63.5	74.9	1.50	81.1	1.79	88.3	2.09	96.1	2.36	98.9	2.42	102.7	2.47	105.5	2.51
		76.2	74.9	1.45	81.1	1.76	88.3	2.05	96.1	2.32	98.9	2.39	102.7	2.42	105.5	2.46
	75	20.3	74.9	2.08	81.1	2.42	88.3	2.82	96.1	3.19	98.9	3.26	102.7	3.34	105.5	3.39
		35.6	74.9	2.04	81.1	2.38	88.3	2.78	96.1	3.14	98.9	3.21	102.7	3.28	105.5	3.34
		50.8	74.9	1.88	81.1	2.24	88.3	2.60	96.1	2.92	98.9	2.99	102.7	3.07	105.5	3.14
		63.5	74.9	1.82	81.1	2.18	88.3	2.54	96.1	2.87	98.9	2.94	102.7	3.01	105.5	3.05
		76.2	74.9	1.76	81.1	2.12	88.3	2.48	96.1	2.82	98.9	2.89	102.7	2.95	105.5	2.96
	86	20.3	74.9	2.58	81.1	2.99	88.3	3.48	96.1	3.92	98.9	4.02	102.7	4.10	105.5	4.18
		35.6	74.9	2.52	81.1	2.94	88.3	3.43	96.1	3.86	98.9	3.95	102.7	4.04	105.5	4.11
		50.8	74.9	2.31	81.1	2.74	88.3	3.19	96.1	3.61	98.9	3.68	102.7	3.79	105.5	3.84
		63.5	74.9	2.25	81.1	2.69	88.3	3.14	96.1	3.53	98.9	3.62	102.7	3.71	105.5	3.75
		76.2	74.9	2.19	81.1	2.64	88.3	3.09	96.1	3.45	98.9	3.56	102.7	3.63	105.5	3.66
	95	20.3	74.9	2.85	81.1	3.32	88.3	3.87	96.1	4.34	98.9	4.45	102.7	4.56	105.5	4.63
		35.6	74.9	2.79	81.1	3.26	88.3	3.80	96.1	4.27	98.9	4.38	102.7	4.49	105.5	4.56
		50.8	74.9	2.58	81.1	3.05	88.3	3.55	96.1	4.00	98.9	4.09	102.7	4.20	105.5	4.27
		63.5	74.9	2.51	81.1	2.99	88.3	3.48	96.1	3.93	98.9	4.02	102.7	4.13	105.5	4.17
		76.2	74.9	2.44	81.1	2.93	88.3	3.41	96.1	3.86	98.9	3.95	102.7	4.06	105.5	4.07
	104	20.3	74.9	3.39	81.1	3.92	88.3	4.59	96.1	5.15	98.9	5.28	102.7	5.41	105.5	5.50
		35.6	74.9	3.32	81.1	3.86	88.3	4.51	96.1	5.07	98.9	5.19	102.7	5.32	105.5	5.41
		50.8	74.9	3.05	81.1	3.61	88.3	4.20	96.1	4.74	98.9	4.85	102.7	4.98	105.5	5.07
		63.5	74.9	2.96	81.1	3.53	88.3	4.13	96.1	4.65	98.9	4.76	102.7	4.89	105.5	4.92
		76.2	74.9	2.87	81.1	3.45	88.3	4.06	96.1	4.56	98.9	4.67	102.7	4.80	105.5	4.77
	113	20.3	74.9	3.92	81.1	4.53	88.3	5.30	96.1	5.96	98.9	6.10	102.7	6.25	105.5	6.36
		35.6	74.9	3.84	81.1	4.45	88.3	5.21	96.1	5.86	98.9	6.00	102.7	6.15	105.5	6.26
		50.8	74.9	3.52	81.1	4.17	88.3	4.85	96.1	5.48	98.9	5.61	102.7	5.75	105.5	5.86
		63.5	74.9	3.41	81.1	4.07	88.3	4.78	96.1	5.37	98.9	5.50	102.7	5.64	105.5	5.68
		76.2	74.9	3.30	81.1	3.97	88.3	4.71	96.1	5.26	98.9	5.39	102.7	5.53	105.5	5.50

TC = Total Capacity (MBh).  
 PI = Power Input (kW) (includes compressor and controls).  
 The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM216DAS5



216,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
130	50	22.4	200.8	4.20	217.5	4.92	236.7	5.73	257.2	6.43	265.1	6.57	275.5	6.79	283.2	6.88
		35.6	200.8	4.12	217.5	4.84	236.7	5.64	257.2	6.33	265.1	6.48	275.5	6.67	283.2	6.78
		55.8	200.8	3.82	217.5	4.49	236.7	5.24	257.2	5.91	265.1	6.09	275.5	6.22	283.2	6.37
		69.8	200.8	3.71	217.5	4.43	236.7	5.16	257.2	5.78	265.1	5.96	275.5	6.11	283.2	6.19
		83.7	200.8	3.61	217.5	4.37	236.7	5.08	257.2	5.66	265.1	5.84	275.5	6.01	283.2	6.02
	59	22.3	197.5	5.54	214.0	6.45	232.9	7.52	253.2	8.45	260.8	8.65	271.0	8.88	278.6	9.03
		27.9	197.5	5.43	214.0	6.34	232.9	7.39	253.2	8.31	260.8	8.51	271.0	8.74	278.6	8.89
		55.8	197.5	5.00	214.0	5.92	232.9	6.90	253.2	7.77	260.8	7.98	271.0	8.18	278.6	8.36
		61.4	197.5	4.87	214.0	5.81	232.9	6.77	253.2	7.62	260.8	7.82	271.0	8.02	278.6	8.15
		67.0	197.5	4.74	214.0	5.70	232.9	6.64	253.2	7.47	260.8	7.66	271.0	7.86	278.6	7.94
	67	22.3	194.6	6.73	210.8	7.81	229.5	9.11	249.6	10.24	257.0	10.49	266.9	10.73	274.6	10.93
		27.9	194.6	6.59	210.8	7.69	229.5	8.96	249.6	10.08	257.0	10.32	266.9	10.57	274.6	10.77
		55.8	194.6	6.05	210.8	7.19	229.5	8.38	249.6	9.43	257.0	9.65	266.9	9.92	274.6	10.12
		61.4	194.6	5.90	210.8	7.04	229.5	8.20	249.6	9.25	257.0	9.47	266.9	9.72	274.6	9.90
		67.0	194.6	5.75	210.8	6.89	229.5	8.02	249.6	9.07	257.0	9.29	266.9	9.52	274.6	9.68
	75	22.3	194.6	8.30	210.8	9.62	229.5	11.22	249.6	12.65	257.0	12.94	266.9	13.25	274.6	13.47
		27.9	194.6	8.13	210.8	9.47	229.5	11.04	249.6	12.44	257.0	12.73	266.9	13.05	274.6	13.27
		55.8	194.6	7.48	210.8	8.87	229.5	10.32	249.6	11.62	257.0	11.91	266.9	12.24	274.6	12.47
		61.4	194.6	7.26	210.8	8.67	229.5	10.12	249.6	11.39	257.0	11.68	266.9	12.00	274.6	12.20
		67.0	194.6	7.04	210.8	8.47	229.5	9.92	249.6	11.16	257.0	11.45	266.9	11.76	274.6	11.93
	86	22.3	194.6	9.97	210.8	11.56	229.5	13.46	249.6	15.17	257.0	15.53	266.9	15.91	274.6	16.17
		27.9	194.6	9.76	210.8	11.37	229.5	13.25	249.6	14.92	257.0	15.28	266.9	15.66	274.6	15.93
		55.8	194.6	8.96	210.8	10.63	229.5	12.40	249.6	13.94	257.0	14.30	266.9	14.68	274.6	14.97
		61.4	194.6	8.71	210.8	10.41	229.5	12.13	249.6	13.67	257.0	14.03	266.9	14.39	274.6	14.63
		67.0	194.6	8.46	210.8	10.19	229.5	11.86	249.6	13.40	257.0	13.76	266.9	14.10	274.6	14.29
	95	22.3	175.2	10.05	189.6	11.70	206.5	13.62	224.6	15.32	231.3	15.71	240.3	16.09	247.1	16.35
		27.9	175.2	9.85	189.6	11.51	206.5	13.40	224.6	15.08	231.3	15.46	240.3	15.84	247.1	16.11
		55.8	175.2	9.07	189.6	10.75	206.5	12.53	224.6	14.12	231.3	14.45	240.3	14.83	247.1	15.15
		61.4	175.2	8.82	189.6	10.52	206.5	12.26	224.6	13.83	231.3	14.19	240.3	14.54	247.1	14.79
		67.0	175.2	8.57	189.6	10.29	206.5	11.99	224.6	13.54	231.3	13.93	240.3	14.25	247.1	14.43
	104	22.3	155.6	10.63	168.7	12.33	183.6	14.37	199.6	16.17	205.6	16.55	213.5	16.95	219.6	17.26
		27.9	155.6	10.41	168.7	12.13	183.6	14.14	199.6	15.91	205.6	16.29	213.5	16.69	219.6	17.00
		55.8	155.6	9.56	168.7	11.35	183.6	13.23	199.6	14.88	205.6	15.26	213.5	15.66	219.6	15.97
		61.4	155.6	9.29	168.7	11.10	183.6	12.94	199.6	14.59	205.6	14.97	213.5	15.35	219.6	15.62
		67.0	155.6	9.02	168.7	10.85	183.6	12.65	199.6	14.30	205.6	14.68	213.5	15.04	219.6	15.27
	113	22.3	136.0	11.20	147.8	12.96	160.6	15.12	174.6	17.01	180.0	17.38	186.7	17.80	192.1	18.17
		27.9	136.0	10.97	147.8	12.76	160.6	14.88	174.6	16.73	180.0	17.11	186.7	17.54	192.1	17.89
		55.8	136.0	10.05	147.8	11.95	160.6	13.92	174.6	15.64	180.0	16.06	186.7	16.49	192.1	16.80
		61.4	136.0	9.76	147.8	11.68	160.6	13.61	174.6	15.35	180.0	15.75	186.7	16.15	192.1	16.44
		67.0	136.0	9.47	147.8	11.41	160.6	13.30	174.6	15.06	180.0	15.44	186.7	15.81	192.1	16.08

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
120	50	22.3	190.1	4.01	205.7	4.67	224.2	5.41	243.6	6.09	250.8	6.28	260.7	6.43	267.9	6.50
		27.9	190.1	3.92	205.7	4.59	224.2	5.33	243.6	5.99	250.8	6.17	260.7	6.32	267.9	6.40
		55.8	190.1	3.60	205.7	4.29	224.2	5.00	243.6	5.60	250.8	5.73	260.7	5.88	267.9	6.02
		61.4	190.1	3.49	205.7	4.16	224.2	4.90	243.6	5.47	250.8	5.65	260.7	5.78	267.9	5.89
		67.0	190.1	3.38	205.7	4.03	224.2	4.80	243.6	5.34	250.8	5.57	260.7	5.68	267.9	5.76
	59	22.3	187.8	5.31	203.4	6.18	221.6	7.17	240.8	8.08	248.0	8.29	257.7	8.49	264.9	8.62
		27.9	187.8	5.21	203.4	6.08	221.6	7.06	240.8	7.95	248.0	8.15	257.7	8.36	264.9	8.49
		55.8	187.8	4.78	203.4	5.67	221.6	6.61	240.8	7.44	248.0	7.62	257.7	7.82	264.9	7.98
		61.4	187.8	4.65	203.4	5.54	221.6	6.48	240.8	7.28	248.0	7.48	257.7	7.66	264.9	7.80
		67.0	187.8	4.52	203.4	5.41	221.6	6.35	240.8	7.12	248.0	7.34	257.7	7.50	264.9	7.62
	67	22.3	185.8	6.47	201.4	7.52	219.4	8.74	238.3	9.85	245.5	10.08	255.0	10.32	262.2	10.50
		27.9	185.8	6.34	201.4	7.39	219.4	8.60	238.3	9.70	245.5	9.92	255.0	10.16	262.2	10.34
		55.8	185.8	5.83	201.4	6.90	219.4	8.04	238.3	9.07	245.5	9.29	255.0	9.54	262.2	9.72
		61.4	185.8	5.67	201.4	6.77	219.4	7.89	238.3	8.89	245.5	9.11	255.0	9.34	262.2	9.49
		67.0	185.8	5.51	201.4	6.64	219.4	7.74	238.3	8.71	245.5	8.93	255.0	9.14	262.2	9.26
	75	22.3	185.8	7.95	201.4	9.24	219.4	10.76	238.3	12.10	245.5	12.40	255.0	12.71	262.2	12.93
		27.9	185.8	7.80	201.4	9.09	219.4	10.59	238.3	11.91	245.5	12.20	255.0	12.51	262.2	12.73
		55.8	185.8	7.17	201.4	8.49	219.4	9.90	238.3	11.15	245.5	11.42	255.0	11.71	262.2	11.95
		61.4	185.8	6.97	201.4	8.31	219.4	9.70	238.3	10.92	245.5	11.19	255.0	11.48	262.2	11.66
		67.0	185.8	6.77	201.4	8.13	219.4	9.50	238.3	10.69	245.5	10.96	255.0	11.25	262.2	11.37
	86	22.3	185.8	9.59	201.4	11.17	219.4	13.02	238.3	14.65	245.5	14.98	255.0	15.37	262.2	15.64
		27.9	185.8	9.41	201.4	10.99	219.4	12.80	238.3	14.41	245.5	14.74	255.0	15.12	262.2	15.39
		55.8	185.8	8.67	201.4	10.28	219.4	11.95	238.3	13.47	245.5	13.81	255.0	14.16	262.2	14.43
		61.4	185.8	8.42	201.4	10.05	219.4	11.71	238.3	13.20	245.5	13.54	255.0	13.90	262.2	14.10
		67.0	185.8	8.17	201.4	9.82	219.4	11.47	238.3	12.93	245.5	13.27	255.0	13.64	262.2	13.77
	95	22.3	170.1	9.85	184.2	11.45	200.7	13.33	218.0	15.01	224.6	15.37	233.3	15.72	239.9	16.02
		27.9	170.1	9.65	184.2	11.26	200.7	13.11	218.0	14.77	224.6	15.12	233.3	15.48	239.9	15.77
		55.8	170.1	8.87	184.2	10.52	200.7	12.26	218.0	13.81	224.6	14.14	233.3	14.52	239.9	14.79
		61.4	170.1	8.62	184.2	10.30	200.7	12.02	218.0	13.54	224.6	13.87	233.3	14.23	239.9	14.45
		67.0	170.1	8.37	184.2	10.08	200.7	11.78	218.0	13.27	224.6	13.60	233.3	13.94	239.9	14.11
	104	22.3	154.3	10.60	167.1	12.31	182.0	14.35	198.0	16.14	203.8	16.53	211.7	16.93	217.6	17.24
		27.9	154.3	10.39	167.1	12.11	182.0	14.12	198.0	15.88	203.8	16.26	211.7	16.67	217.6	16.98
		55.8	154.3	9.56	167.1	11.33	182.0	13.20	198.0	14.86	203.8	15.21	211.7	15.62	217.6	15.93
		61.4	154.3	9.29	167.1	11.08	182.0	12.94	198.0	14.57	203.8	14.95	211.7	15.33	217.6	15.55
		67.0	154.3	9.02	167.1	10.83	182.0	12.68	198.0	14.28	203.8	14.69	211.7	15.04	217.6	15.17
	113	22.3	138.5	11.35	150.0	13.17	163.3	15.37	177.9	17.28	183.1	17.69	190.1	18.14	195.3	18.47
		27.9	138.5	11.13	150.0	12.96	163.3	15.12	177.9	17.00	183.1	17.40	190.1	17.85	195.3	18.19
		55.8	138.5	10.25	150.0	12.13	163.3	14.14	177.9	15.91	183.1	16.29	190.1	16.71	195.3	17.07
		61.4	138.5	9.96	150.0	11.86	163.3	13.85	177.9	15.59	183.1	16.02	190.1	16.42	195.3	16.64
		67.0	138.5	9.67	150.0	11.59	163.3	13.56	177.9	15.27	183.1	15.75	190.1	16.13	195.3	16.21

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahrifirectory.org](http://www.ahrifirectory.org).



# COOLING CAPACITY DATA



ARWM216DAS5

216,000 Btu/h, 460V Heat Pump/Heat Recovery Units

MULTI V Water 5 Outdoor Unit Performance Data Manual

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
110	50	22.3	179.2	3.78	194.3	4.37	211.4	5.13	229.7	5.75	236.4	5.88	245.9	6.06	252.4	6.15
		27.9	179.2	3.70	194.3	4.30	211.4	5.04	229.7	5.66	236.4	5.79	245.9	5.96	252.4	6.05
		55.8	179.2	3.40	194.3	4.02	211.4	4.69	229.7	5.29	236.4	5.45	245.9	5.58	252.4	5.66
		61.4	179.2	3.31	194.3	3.94	211.4	4.58	229.7	5.21	236.4	5.29	245.9	5.47	252.4	5.53
		67.0	179.2	3.22	194.3	3.86	211.4	4.47	229.7	5.13	236.4	5.13	245.9	5.36	252.4	5.40
	59	22.3	178.2	5.06	193.0	5.88	210.1	6.86	228.4	7.72	235.1	7.90	244.4	8.11	251.1	8.24
		27.9	178.2	4.96	193.0	5.79	210.1	6.75	228.4	7.60	235.1	7.77	244.4	7.98	251.1	8.11
		55.8	178.2	4.56	193.0	5.41	210.1	6.30	228.4	7.10	235.1	7.28	244.4	7.46	251.1	7.60
		61.4	178.2	4.45	193.0	5.29	210.1	6.17	228.4	6.97	235.1	7.13	244.4	7.33	251.1	7.42
		67.0	178.2	4.34	193.0	5.17	210.1	6.04	228.4	6.84	235.1	6.98	244.4	7.20	251.1	7.24
	67	22.3	177.3	6.20	191.9	7.22	209.0	8.40	227.3	9.47	234.0	9.70	243.0	9.92	250.0	10.10
		27.9	177.3	6.08	191.9	7.10	209.0	8.27	227.3	9.32	234.0	9.54	243.0	9.76	250.0	9.94
		55.8	177.3	5.59	191.9	6.64	209.0	7.73	227.3	8.71	234.0	8.91	243.0	9.14	250.0	9.32
		61.4	177.3	5.45	191.9	6.50	209.0	7.57	227.3	8.53	234.0	8.76	243.0	8.98	250.0	9.09
		67.0	177.3	5.31	191.9	6.36	209.0	7.41	227.3	8.35	234.0	8.61	243.0	8.82	250.0	8.86
	75	22.3	177.3	7.59	191.9	8.83	209.0	10.28	227.3	11.58	234.0	11.85	243.0	12.14	250.0	12.37
		27.9	177.3	7.44	191.9	8.69	209.0	10.12	227.3	11.39	234.0	11.66	243.0	11.95	250.0	12.18
		55.8	177.3	6.86	191.9	8.13	209.0	9.47	227.3	10.66	234.0	10.92	243.0	11.19	250.0	11.42
		61.4	177.3	6.66	191.9	7.95	209.0	9.27	227.3	10.46	234.0	10.70	243.0	10.99	250.0	11.13
		67.0	177.3	6.46	191.9	7.77	209.0	9.07	227.3	10.26	234.0	10.48	243.0	10.79	250.0	10.84
	86	22.3	177.3	9.25	191.9	10.76	209.0	12.54	227.3	14.13	234.0	14.46	243.0	14.80	250.0	15.07
		27.9	177.3	9.07	191.9	10.59	209.0	12.33	227.3	13.90	234.0	14.23	243.0	14.57	250.0	14.83
		55.8	177.3	8.36	191.9	9.90	209.0	11.53	227.3	12.98	234.0	13.31	243.0	13.65	250.0	13.90
		61.4	177.3	8.13	191.9	9.70	209.0	11.30	227.3	12.73	234.0	13.05	243.0	13.38	250.0	13.56
		67.0	177.3	7.90	191.9	9.50	209.0	11.07	227.3	12.48	234.0	12.79	243.0	13.11	250.0	13.22
	95	22.3	165.1	9.64	178.8	11.19	194.8	13.03	211.7	14.69	218.0	15.03	226.6	15.39	232.9	15.69
		27.9	165.1	9.45	178.8	11.01	194.8	12.82	211.7	14.45	218.0	14.79	226.6	15.15	232.9	15.44
		55.8	165.1	8.69	178.8	10.30	194.8	12.00	211.7	13.52	218.0	13.83	226.6	14.19	232.9	14.45
		61.4	165.1	8.44	178.8	10.08	194.8	11.75	211.7	13.25	218.0	13.58	226.6	13.92	232.9	14.10
		67.0	165.1	8.19	178.8	9.86	194.8	11.50	211.7	12.98	218.0	13.33	226.6	13.65	232.9	13.75
	104	22.3	152.9	10.57	165.8	12.31	180.4	14.33	196.2	16.12	202.0	16.51	209.9	16.91	215.8	17.23
		27.9	152.9	10.37	165.8	12.11	180.4	14.10	196.2	15.86	202.0	16.24	209.9	16.64	215.8	16.96
		55.8	152.9	9.54	165.8	11.30	180.4	13.18	196.2	14.83	202.0	15.19	209.9	15.59	215.8	15.88
		61.4	152.9	9.27	165.8	11.06	180.4	12.91	196.2	14.54	202.0	14.92	209.9	15.30	215.8	15.48
		67.0	152.9	9.00	165.8	10.82	180.4	12.64	196.2	14.25	202.0	14.65	209.9	15.01	215.8	15.08
	113	22.3	140.8	11.51	152.7	13.43	166.0	15.62	180.6	17.55	186.0	17.98	193.3	18.43	198.7	18.77
		27.9	140.8	11.28	152.7	13.20	166.0	15.37	180.6	17.27	186.0	17.69	193.3	18.14	198.7	18.48
		55.8	140.8	10.39	152.7	12.31	166.0	14.36	180.6	16.15	186.0	16.55	193.3	17.00	198.7	17.31
		61.4	140.8	10.10	152.7	12.04	166.0	14.07	180.6	15.84	186.0	16.26	193.3	16.69	198.7	16.87
		67.0	140.8	9.81	152.7	11.77	166.0	13.78	180.6	15.53	186.0	15.97	193.3	16.38	198.7	16.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
100	50	22.3	168.5	3.58	182.4	4.16	198.7	4.77	216.0	5.44	222.5	5.51	231.1	5.70	237.6	5.81
		27.9	168.5	3.50	182.4	4.09	198.7	4.70	216.0	5.35	222.5	5.43	231.1	5.61	237.6	5.72
		55.8	168.5	3.23	182.4	3.80	198.7	4.43	216.0	5.01	222.5	5.12	231.1	5.24	237.6	5.35
		61.4	168.5	3.12	182.4	3.72	198.7	4.32	216.0	4.90	222.5	5.01	231.1	5.14	237.6	5.18
		67.0	168.5	3.01	182.4	3.64	198.7	4.21	216.0	4.79	222.5	4.90	231.1	5.04	237.6	5.01
	59	22.3	168.5	4.83	182.4	5.61	198.7	6.51	216.0	7.36	222.5	7.51	231.1	7.72	237.6	7.85
		27.9	168.5	4.74	182.4	5.52	198.7	6.41	216.0	7.24	222.5	7.39	231.1	7.60	237.6	7.73
		55.8	168.5	4.36	182.4	5.16	198.7	6.01	216.0	6.77	222.5	6.93	231.1	7.10	237.6	7.24
		61.4	168.5	4.22	182.4	5.05	198.7	5.88	216.0	6.64	222.5	6.79	231.1	6.97	237.6	7.04
		67.0	168.5	4.08	182.4	4.94	198.7	5.75	216.0	6.51	222.5	6.65	231.1	6.84	237.6	6.84
	67	22.3	168.5	5.95	182.4	6.90	198.7	8.06	216.0	9.06	222.5	9.29	231.1	9.51	237.6	9.67
		27.9	168.5	5.83	182.4	6.79	198.7	7.93	216.0	8.91	222.5	9.14	231.1	9.36	237.6	9.52
		55.8	168.5	5.36	182.4	6.37	198.7	7.42	216.0	8.33	222.5	8.53	231.1	8.76	237.6	8.91
		61.4	168.5	5.21	182.4	6.23	198.7	7.26	216.0	8.18	222.5	8.38	231.1	8.60	237.6	8.69
		67.0	168.5	5.06	182.4	6.09	198.7	7.10	216.0	8.03	222.5	8.23	231.1	8.44	237.6	8.47
	75	22.3	168.5	7.25	182.4	8.42	198.7	9.81	216.0	11.06	222.5	11.33	231.1	11.60	237.6	11.80
		27.9	168.5	7.10	182.4	8.29	198.7	9.65	216.0	10.88	222.5	11.15	231.1	11.42	237.6	11.62
		55.8	168.5	6.55	182.4	7.75	198.7	9.03	216.0	10.16	222.5	10.41	231.1	10.68	237.6	10.88
		61.4	168.5	6.37	182.4	7.60	198.7	8.85	216.0	9.96	222.5	10.21	231.1	10.48	237.6	10.59
		67.0	168.5	6.19	182.4	7.45	198.7	8.67	216.0	9.76	222.5	10.01	231.1	10.28	237.6	10.30
	86	22.3	168.5	8.91	182.4	10.38	198.7	12.08	216.0	13.60	222.5	13.92	231.1	14.26	237.6	14.53
		27.9	168.5	8.74	182.4	10.21	198.7	11.89	216.0	13.38	222.5	13.69	231.1	14.03	237.6	14.30
		55.8	168.5	8.04	182.4	9.54	198.7	11.10	216.0	12.51	222.5	12.80	231.1	13.14	237.6	13.38
		61.4	168.5	7.82	182.4	9.34	198.7	10.88	216.0	12.26	222.5	12.58	231.1	12.89	237.6	13.02
		67.0	168.5	7.60	182.4	9.14	198.7	10.66	216.0	12.01	222.5	12.36	231.1	12.64	237.6	12.66
	95	22.3	160.1	9.41	173.4	10.94	188.7	12.74	205.2	14.35	211.3	14.69	219.6	15.05	225.7	15.32
		27.9	160.1	9.23	173.4	10.77	188.7	12.53	205.2	14.12	211.3	14.45	219.6	14.81	225.7	15.08
		55.8	160.1	8.49	173.4	10.08	188.7	11.73	205.2	13.20	211.3	13.52	219.6	13.87	225.7	14.12
		61.4	160.1	8.27	173.4	9.85	188.7	11.48	205.2	12.96	211.3	13.27	219.6	13.61	225.7	13.74
		67.0	160.1	8.05	173.4	9.62	188.7	11.23	205.2	12.72	211.3	13.02	219.6	13.35	225.7	13.36
	104	22.3	151.6	10.58	164.2	12.28	178.8	14.31	194.4	16.10	200.2	16.48	208.1	16.89	213.7	17.18
		27.9	151.6	10.37	164.2	12.09	178.8	14.07	194.4	15.84	200.2	16.22	208.1	16.62	213.7	16.91
		55.8	151.6	9.52	164.2	11.30	178.8	13.16	194.4	14.81	200.2	15.17	208.1	15.55	213.7	15.84
		61.4	151.6	9.27	164.2	11.06	178.8	12.89	194.4	14.52	200.2	14.88	208.1	15.26	213.7	15.41
		67.0	151.6	9.02	164.2	10.82	178.8	12.62	194.4	14.23	200.2	14.59	208.1	14.97	213.7	14.98
	113	22.3	143.0	11.75	155.0	13.62	168.9	15.88	183.6	17.85	189.2	18.28	196.6	18.74	201.8	19.04
		27.9	143.0	11.51	155.0	13.40	168.9	15.62	183.6	17.56	189.2	17.98	196.6	18.43	201.8	18.74
		55.8	143.0	10.54	155.0	12.53	168.9	14.59	183.6	16.42	189.2	16.82	196.6	17.22	201.8	17.56
		61.4	143.0	10.28	155.0	12.26	168.9	14.30	183.6	16.09	189.2	16.49	196.6	16.91	201.8	17.09
		67.0	143.0	10.02	155.0	11.99	168.9	14.01	183.6	15.76	189.2	16.16	196.6	16.60	201.8	16.62

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM216DAS5

216,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
90	50	22.3	151.6	3.04	164.2	3.53	178.8	4.13	194.4	4.67	200.2	4.75	208.1	4.85	213.7	5.01
		27.9	151.6	2.99	164.2	3.48	178.8	4.06	194.4	4.60	200.2	4.68	208.1	4.79	213.7	4.92
		55.8	151.6	2.77	164.2	3.29	178.8	3.80	194.4	4.32	200.2	4.41	208.1	4.54	213.7	4.60
		61.4	151.6	2.69	164.2	3.18	178.8	3.74	194.4	4.19	200.2	4.32	208.1	4.45	213.7	4.45
		67.0	151.6	2.61	164.2	3.07	178.8	3.68	194.4	4.06	200.2	4.23	208.1	4.36	213.7	4.30
	59	22.3	151.6	4.14	164.2	4.81	178.8	5.61	194.4	6.33	200.2	6.47	208.1	6.63	213.7	6.76
		27.9	151.6	4.07	164.2	4.74	178.8	5.52	194.4	6.23	200.2	6.37	208.1	6.52	213.7	6.66
		55.8	151.6	3.75	164.2	4.45	178.8	5.16	194.4	5.83	200.2	5.96	208.1	6.12	213.7	6.23
		61.4	151.6	3.64	164.2	4.33	178.8	5.07	194.4	5.70	200.2	5.85	208.1	6.01	213.7	6.05
		67.0	151.6	3.53	164.2	4.21	178.8	4.98	194.4	5.57	200.2	5.74	208.1	5.90	213.7	5.87
	67	22.3	151.6	5.13	164.2	5.95	178.8	6.93	194.4	7.81	200.2	7.99	208.1	8.20	213.7	8.33
		27.9	151.6	5.03	164.2	5.85	178.8	6.81	194.4	7.69	200.2	7.86	208.1	8.06	213.7	8.20
		55.8	151.6	4.62	164.2	5.47	178.8	6.37	194.4	7.17	200.2	7.35	208.1	7.53	213.7	7.69
		61.4	151.6	4.49	164.2	5.36	178.8	6.26	194.4	7.04	200.2	7.22	208.1	7.39	213.7	7.48
		67.0	151.6	4.36	164.2	5.25	178.8	6.15	194.4	6.91	200.2	7.09	208.1	7.25	213.7	7.27
	75	22.3	151.6	6.25	164.2	7.27	178.8	8.45	194.4	9.51	200.2	9.74	208.1	9.99	213.7	10.17
		27.9	151.6	6.12	164.2	7.15	178.8	8.31	194.4	9.36	200.2	9.58	208.1	9.83	213.7	10.01
		55.8	151.6	5.63	164.2	6.68	178.8	7.77	194.4	8.76	200.2	8.96	208.1	9.20	213.7	9.36
		61.4	151.6	5.47	164.2	6.52	178.8	7.62	194.4	8.58	200.2	8.80	208.1	9.03	213.7	9.11
		67.0	151.6	5.31	164.2	6.36	178.8	7.47	194.4	8.40	200.2	8.64	208.1	8.86	213.7	8.86
	86	22.3	151.6	7.68	164.2	8.93	178.8	10.40	194.4	11.72	200.2	11.99	208.1	12.28	213.7	12.51
		27.9	151.6	7.53	164.2	8.78	178.8	10.23	194.4	11.53	200.2	11.80	208.1	12.09	213.7	12.31
		55.8	151.6	6.93	164.2	8.20	178.8	9.56	194.4	10.77	200.2	11.04	208.1	11.30	213.7	11.51
		61.4	151.6	6.72	164.2	8.04	178.8	9.36	194.4	10.57	200.2	10.81	208.1	11.10	213.7	11.21
		67.0	151.6	6.51	164.2	7.88	178.8	9.16	194.4	10.37	200.2	10.58	208.1	10.90	213.7	10.91
	95	22.3	147.5	8.30	159.7	9.63	173.9	11.22	189.0	12.62	194.6	12.92	202.3	13.23	207.9	13.48
		27.9	147.5	8.13	159.7	9.47	173.9	11.04	189.0	12.42	194.6	12.71	202.3	13.02	207.9	13.27
		55.8	147.5	7.46	159.7	8.85	173.9	10.32	189.0	11.62	194.6	11.89	202.3	12.20	207.9	12.42
		61.4	147.5	7.26	159.7	8.67	173.9	10.10	189.0	11.39	194.6	11.68	202.3	11.97	207.9	12.09
		67.0	147.5	7.06	159.7	8.49	173.9	9.88	189.0	11.16	194.6	11.47	202.3	11.74	207.9	11.76
	104	22.3	143.2	9.53	155.2	11.06	168.9	12.87	183.6	14.51	189.2	14.85	196.4	15.21	202.0	15.48
		27.9	143.2	9.34	155.2	10.88	168.9	12.67	183.6	14.28	189.2	14.61	196.4	14.97	202.0	15.24
		55.8	143.2	8.58	155.2	10.16	168.9	11.86	183.6	13.34	189.2	13.67	196.4	14.01	202.0	14.28
		61.4	143.2	8.33	155.2	9.96	168.9	11.62	183.6	13.09	189.2	13.40	196.4	13.76	202.0	13.90
		67.0	143.2	8.08	155.2	9.76	168.9	11.38	183.6	12.84	189.2	13.13	196.4	13.51	202.0	13.52
	113	22.3	139.0	10.76	150.7	12.49	164.0	14.52	178.2	16.40	183.8	16.77	190.5	17.19	196.2	17.47
		27.9	139.0	10.54	150.7	12.29	164.0	14.30	178.2	16.13	183.8	16.51	190.5	16.91	196.2	17.20
		55.8	139.0	9.70	150.7	11.48	164.0	13.40	178.2	15.06	183.8	15.46	190.5	15.82	196.2	16.13
		61.4	139.0	9.41	150.7	11.26	164.0	13.14	178.2	14.79	183.8	15.12	190.5	15.55	196.2	15.71
		67.0	139.0	9.12	150.7	11.04	164.0	12.88	178.2	14.52	183.8	14.78	190.5	15.28	196.2	15.29

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

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Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
80	50	22.3	134.7	2.60	146.0	2.96	159.0	3.44	172.8	3.94	177.9	3.99	184.9	4.11	190.1	4.14
		27.9	134.7	2.54	146.0	2.92	159.0	3.39	172.8	3.87	177.9	3.93	184.9	4.04	190.1	4.08
		55.8	134.7	2.30	146.0	2.78	159.0	3.20	172.8	3.59	177.9	3.70	184.9	3.76	190.1	3.82
		61.4	134.7	2.28	146.0	2.69	159.0	3.14	172.8	3.52	177.9	3.59	184.9	3.69	190.1	3.74
		67.0	134.7	2.26	146.0	2.60	159.0	3.08	172.8	3.45	177.9	3.48	184.9	3.62	190.1	3.66
	59	22.3	134.7	3.49	146.0	4.04	159.0	4.70	172.8	5.32	177.9	5.42	184.9	5.56	190.1	5.65
		27.9	134.7	3.42	146.0	3.98	159.0	4.62	172.8	5.23	177.9	5.34	184.9	5.47	190.1	5.56
		55.8	134.7	3.13	146.0	3.73	159.0	4.33	172.8	4.87	177.9	5.00	184.9	5.12	190.1	5.21
		61.4	134.7	3.06	146.0	3.64	159.0	4.24	172.8	4.78	177.9	4.89	184.9	5.03	190.1	5.07
		67.0	134.7	2.99	146.0	3.55	159.0	4.15	172.8	4.69	177.9	4.78	184.9	4.94	190.1	4.93
	67	22.3	134.7	4.28	146.0	5.00	159.0	5.82	172.8	6.54	177.9	6.70	184.9	6.85	190.1	6.99
		27.9	134.7	4.20	146.0	4.91	159.0	5.72	172.8	6.43	177.9	6.59	184.9	6.75	190.1	6.88
		55.8	134.7	3.86	146.0	4.58	159.0	5.34	172.8	6.01	177.9	6.17	184.9	6.32	190.1	6.43
		61.4	134.7	3.75	146.0	4.49	159.0	5.23	172.8	5.90	177.9	6.05	184.9	6.21	190.1	6.26
		67.0	134.7	3.64	146.0	4.40	159.0	5.12	172.8	5.79	177.9	5.93	184.9	6.10	190.1	6.09
	75	22.3	134.7	5.25	146.0	6.09	159.0	7.08	172.8	7.97	177.9	8.18	184.9	8.38	190.1	8.51
		27.9	134.7	5.14	146.0	5.99	159.0	6.97	172.8	7.84	177.9	8.04	184.9	8.24	190.1	8.38
		55.8	134.7	4.71	146.0	5.59	159.0	6.52	172.8	7.35	177.9	7.51	184.9	7.71	190.1	7.84
		61.4	134.7	4.58	146.0	5.47	159.0	6.39	172.8	7.19	177.9	7.37	184.9	7.57	190.1	7.64
		67.0	134.7	4.45	146.0	5.35	159.0	6.26	172.8	7.03	177.9	7.23	184.9	7.43	190.1	7.44
	86	22.3	134.7	6.42	146.0	7.47	159.0	8.72	172.8	9.81	177.9	10.03	184.9	10.28	190.1	10.49
		27.9	134.7	6.30	146.0	7.35	159.0	8.58	172.8	9.65	177.9	9.87	184.9	10.12	190.1	10.32
		55.8	134.7	5.81	146.0	6.88	159.0	8.02	172.8	9.03	177.9	9.25	184.9	9.47	190.1	9.65
		61.4	134.7	5.65	146.0	6.72	159.0	7.84	172.8	8.85	177.9	9.07	184.9	9.29	190.1	9.41
		67.0	134.7	5.49	146.0	6.56	159.0	7.66	172.8	8.67	177.9	8.89	184.9	9.11	190.1	9.17
	95	22.3	134.7	7.16	146.0	8.31	159.0	9.67	172.8	10.90	177.9	11.17	184.9	11.45	190.1	11.65
		27.9	134.7	7.01	146.0	8.18	159.0	9.52	172.8	10.72	177.9	10.99	184.9	11.26	190.1	11.46
		55.8	134.7	6.46	146.0	7.64	159.0	8.91	172.8	10.03	177.9	10.28	184.9	10.52	190.1	10.72
		61.4	134.7	6.28	146.0	7.48	159.0	8.74	172.8	9.83	177.9	10.08	184.9	10.34	190.1	10.43
		67.0	134.7	6.10	146.0	7.32	159.0	8.57	172.8	9.63	177.9	9.88	184.9	10.16	190.1	10.14
	104	22.3	134.7	8.48	146.0	9.86	159.0	11.47	172.8	12.92	177.9	13.22	184.9	13.56	190.1	13.78
		27.9	134.7	8.31	146.0	9.70	159.0	11.28	172.8	12.71	177.9	13.00	184.9	13.34	190.1	13.56
		55.8	134.7	7.64	146.0	9.05	159.0	10.54	172.8	11.89	177.9	12.15	184.9	12.47	190.1	12.69
		61.4	134.7	7.42	146.0	8.87	159.0	10.32	172.8	11.64	177.9	11.93	184.9	12.24	190.1	12.35
		67.0	134.7	7.20	146.0	8.69	159.0	10.10	172.8	11.39	177.9	11.71	184.9	12.01	190.1	12.01
	113	22.3	134.7	9.80	146.0	11.41	159.0	13.27	172.8	14.94	177.9	15.26	184.9	15.67	190.1	15.91
		27.9	134.7	9.61	146.0	11.21	159.0	13.05	172.8	14.70	177.9	15.01	184.9	15.41	190.1	15.66
		55.8	134.7	8.82	146.0	10.46	159.0	12.18	172.8	13.74	177.9	14.03	184.9	14.41	190.1	14.66
		61.4	134.7	8.56	146.0	10.25	159.0	11.91	172.8	13.45	177.9	13.78	184.9	14.14	190.1	14.28
		67.0	134.7	8.30	146.0	10.04	159.0	11.64	172.8	13.16	177.9	13.53	184.9	13.87	190.1	13.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahrirectory.org](http://www.ahrirectory.org).

# COOLING CAPACITY DATA



ARWM216DAS5

216,000 Btu/h, 460V Heat Pump/Heat Recovery Units

MULTI V Water 5 Outdoor Unit Performance Data Manual

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
70	50	22.3	118.0	2.12	127.7	2.47	139.2	2.86	151.1	3.22	155.6	3.34	161.7	3.43	166.2	3.44
		27.9	118.0	2.08	127.7	2.43	139.2	2.81	151.1	3.18	155.6	3.29	161.7	3.38	166.2	3.39
		55.8	118.0	1.94	127.7	2.25	139.2	2.64	151.1	3.01	155.6	3.07	161.7	3.16	166.2	3.20
		61.4	118.0	1.89	127.7	2.21	139.2	2.60	151.1	2.92	155.6	2.99	161.7	3.07	166.2	3.12
		67.0	118.0	1.84	127.7	2.17	139.2	2.56	151.1	2.83	155.6	2.91	161.7	2.98	166.2	3.04
	59	22.3	118.0	2.89	127.7	3.36	139.2	3.90	151.1	4.40	155.6	4.52	161.7	4.63	166.2	4.70
		27.9	118.0	2.84	127.7	3.31	139.2	3.84	151.1	4.33	155.6	4.45	161.7	4.56	166.2	4.62
		55.8	118.0	2.61	127.7	3.08	139.2	3.60	151.1	4.07	155.6	4.16	161.7	4.27	166.2	4.33
		61.4	118.0	2.55	127.7	3.02	139.2	3.53	151.1	3.98	155.6	4.07	161.7	4.18	166.2	4.22
		67.0	118.0	2.49	127.7	2.96	139.2	3.46	151.1	3.89	155.6	3.98	161.7	4.09	166.2	4.11
	67	22.3	118.0	3.58	127.7	4.16	139.2	4.84	151.1	5.45	155.6	5.56	161.7	5.70	166.2	5.82
		27.9	118.0	3.51	127.7	4.09	139.2	4.76	151.1	5.36	155.6	5.47	161.7	5.61	166.2	5.72
		55.8	118.0	3.22	127.7	3.82	139.2	4.45	151.1	5.00	155.6	5.12	161.7	5.25	166.2	5.34
		61.4	118.0	3.13	127.7	3.73	139.2	4.36	151.1	4.91	155.6	5.03	161.7	5.16	166.2	5.21
		67.0	118.0	3.04	127.7	3.64	139.2	4.27	151.1	4.82	155.6	4.94	161.7	5.07	166.2	5.08
	75	22.3	118.0	4.35	127.7	5.07	139.2	5.88	151.1	6.63	155.6	6.79	161.7	6.94	166.2	7.08
		27.9	118.0	4.27	127.7	4.98	139.2	5.79	151.1	6.52	155.6	6.68	161.7	6.84	166.2	6.97
		55.8	118.0	3.93	127.7	4.65	139.2	5.43	151.1	6.10	155.6	6.26	161.7	6.41	166.2	6.52
		61.4	118.0	3.82	127.7	4.56	139.2	5.32	151.1	5.99	155.6	6.12	161.7	6.28	166.2	6.34
		67.0	118.0	3.71	127.7	4.47	139.2	5.21	151.1	5.88	155.6	5.98	161.7	6.15	166.2	6.16
	86	22.3	118.0	5.36	127.7	6.22	139.2	7.25	151.1	8.15	155.6	8.36	161.7	8.56	166.2	8.72
		27.9	118.0	5.25	127.7	6.12	139.2	7.13	151.1	8.02	155.6	8.22	161.7	8.42	166.2	8.58
		55.8	118.0	4.83	127.7	5.72	139.2	6.66	151.1	7.51	155.6	7.69	161.7	7.89	166.2	8.02
		61.4	118.0	4.69	127.7	5.61	139.2	6.52	151.1	7.35	155.6	7.55	161.7	7.73	166.2	7.82
		67.0	118.0	4.55	127.7	5.50	139.2	6.38	151.1	7.19	155.6	7.41	161.7	7.57	166.2	7.62
	95	22.3	118.0	5.95	127.7	6.90	139.2	8.07	151.1	9.06	155.6	9.29	161.7	9.51	166.2	9.67
		27.9	118.0	5.83	127.7	6.79	139.2	7.93	151.1	8.91	155.6	9.14	161.7	9.36	166.2	9.52
		55.8	118.0	5.36	127.7	6.37	139.2	7.39	151.1	8.33	155.6	8.53	161.7	8.76	166.2	8.91
		61.4	118.0	5.21	127.7	6.21	139.2	7.26	151.1	8.18	155.6	8.38	161.7	8.60	166.2	8.69
		67.0	118.0	5.06	127.7	6.05	139.2	7.13	151.1	8.03	155.6	8.23	161.7	8.44	166.2	8.47
	104	22.3	118.0	7.04	127.7	8.17	139.2	9.54	151.1	10.74	155.6	10.99	161.7	11.26	166.2	11.46
		27.9	118.0	6.90	127.7	8.04	139.2	9.38	151.1	10.57	155.6	10.81	161.7	11.08	166.2	11.28
		55.8	118.0	6.34	127.7	7.53	139.2	8.78	151.1	9.87	155.6	10.12	161.7	10.37	166.2	10.57
		61.4	118.0	6.17	127.7	7.37	139.2	8.58	151.1	9.67	155.6	9.92	161.7	10.19	166.2	10.28
		67.0	118.0	6.00	127.7	7.21	139.2	8.38	151.1	9.47	155.6	9.72	161.7	10.01	166.2	9.99
	113	22.3	118.0	8.14	127.7	9.45	139.2	11.00	151.1	12.42	155.6	12.69	161.7	13.01	166.2	13.26
		27.9	118.0	7.98	127.7	9.29	139.2	10.84	151.1	12.22	155.6	12.49	161.7	12.80	166.2	13.05
		55.8	118.0	7.33	127.7	8.69	139.2	10.16	151.1	11.42	155.6	11.71	161.7	11.97	166.2	12.22
		61.4	118.0	7.13	127.7	8.53	139.2	9.90	151.1	11.17	155.6	11.46	161.7	11.77	166.2	11.86
		67.0	118.0	6.93	127.7	8.37	139.2	9.64	151.1	10.92	155.6	11.21	161.7	11.57	166.2	11.50

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
60	50	22.3	101.1	1.69	109.5	1.96	119.1	2.26	129.5	2.60	133.6	2.67	138.7	2.70	142.6	2.74
		27.9	101.1	1.65	109.5	1.93	119.1	2.23	129.5	2.56	133.6	2.62	138.7	2.66	142.6	2.71
		55.8	101.1	1.52	109.5	1.80	119.1	2.13	129.5	2.38	133.6	2.43	138.7	2.52	142.6	2.56
		61.4	101.1	1.46	109.5	1.78	119.1	2.09	129.5	2.34	133.6	2.38	138.7	2.45	142.6	2.49
		67.0	101.1	1.40	109.5	1.76	119.1	2.05	129.5	2.30	133.6	2.33	138.7	2.38	142.6	2.42
	59	22.3	101.1	2.30	109.5	2.68	119.1	3.11	129.5	3.52	133.6	3.61	138.7	3.68	142.6	3.74
		27.9	101.1	2.26	109.5	2.64	119.1	3.06	129.5	3.46	133.6	3.55	138.7	3.62	142.6	3.69
		55.8	101.1	2.08	109.5	2.46	119.1	2.88	129.5	3.24	133.6	3.31	138.7	3.40	142.6	3.46
		61.4	101.1	2.01	109.5	2.41	119.1	2.81	129.5	3.17	133.6	3.24	138.7	3.33	142.6	3.37
		67.0	101.1	1.94	109.5	2.36	119.1	2.74	129.5	3.10	133.6	3.17	138.7	3.26	142.6	3.28
	67	22.3	101.1	2.85	109.5	3.32	119.1	3.86	129.5	4.33	133.6	4.45	138.7	4.54	142.6	4.63
		27.9	101.1	2.79	109.5	3.26	119.1	3.80	129.5	4.27	133.6	4.38	138.7	4.47	142.6	4.56
		55.8	101.1	2.57	109.5	3.04	119.1	3.55	129.5	4.00	133.6	4.09	138.7	4.18	142.6	4.27
		61.4	101.1	2.50	109.5	2.97	119.1	3.46	129.5	3.91	133.6	4.00	138.7	4.11	142.6	4.16
		67.0	101.1	2.43	109.5	2.90	119.1	3.37	129.5	3.82	133.6	3.91	138.7	4.04	142.6	4.05
	75	22.3	101.1	3.46	109.5	4.04	119.1	4.70	129.5	5.29	133.6	5.40	138.7	5.54	142.6	5.65
		27.9	101.1	3.40	109.5	3.98	119.1	4.62	129.5	5.21	133.6	5.32	138.7	5.45	142.6	5.56
		55.8	101.1	3.13	109.5	3.71	119.1	4.31	129.5	4.87	133.6	4.98	138.7	5.12	142.6	5.21
		61.4	101.1	3.04	109.5	3.62	119.1	4.22	129.5	4.76	133.6	4.89	138.7	5.00	142.6	5.07
		67.0	101.1	2.95	109.5	3.53	119.1	4.13	129.5	4.65	133.6	4.80	138.7	4.88	142.6	4.93
	86	22.3	101.1	4.26	109.5	4.95	119.1	5.76	129.5	6.49	133.6	6.65	138.7	6.81	142.6	6.95
		27.9	101.1	4.18	109.5	4.87	119.1	5.67	129.5	6.39	133.6	6.55	138.7	6.70	142.6	6.84
		55.8	101.1	3.84	109.5	4.56	119.1	5.32	129.5	5.99	133.6	6.12	138.7	6.28	142.6	6.39
		61.4	101.1	3.73	109.5	4.47	119.1	5.21	129.5	5.88	133.6	6.01	138.7	6.17	142.6	6.23
		67.0	101.1	3.62	109.5	4.38	119.1	5.10	129.5	5.77	133.6	5.90	138.7	6.06	142.6	6.07
	95	22.3	101.1	4.74	109.5	5.52	119.1	6.43	129.5	7.22	133.6	7.40	138.7	7.59	142.6	7.72
		27.9	101.1	4.65	109.5	5.43	119.1	6.32	129.5	7.10	133.6	7.28	138.7	7.46	142.6	7.60
		55.8	101.1	4.27	109.5	5.07	119.1	5.90	129.5	6.66	133.6	6.81	138.7	6.97	142.6	7.10
		61.4	101.1	4.16	109.5	4.96	119.1	5.79	129.5	6.52	133.6	6.68	138.7	6.86	142.6	6.93
		67.0	101.1	4.05	109.5	4.85	119.1	5.68	129.5	6.38	133.6	6.55	138.7	6.75	142.6	6.76
	104	22.3	101.1	5.60	109.5	6.51	119.1	7.61	129.5	8.56	133.6	8.76	138.7	8.97	142.6	9.15
		27.9	101.1	5.50	109.5	6.41	119.1	7.48	129.5	8.42	133.6	8.62	138.7	8.82	142.6	9.00
		55.8	101.1	5.07	109.5	6.01	119.1	6.99	129.5	7.86	133.6	8.06	138.7	8.27	142.6	8.42
		61.4	101.1	4.91	109.5	5.88	119.1	6.86	129.5	7.71	133.6	7.91	138.7	8.11	142.6	8.20
		67.0	101.1	4.75	109.5	5.75	119.1	6.73	129.5	7.56	133.6	7.76	138.7	7.95	142.6	7.98
	113	22.3	101.1	6.46	109.5	7.51	119.1	8.79	129.5	9.91	133.6	10.13	138.7	10.35	142.6	10.58
		27.9	101.1	6.34	109.5	7.39	119.1	8.65	129.5	9.74	133.6	9.96	138.7	10.19	142.6	10.41
		55.8	101.1	5.88	109.5	6.95	119.1	8.09	129.5	9.07	133.6	9.32	138.7	9.56	142.6	9.74
		61.4	101.1	5.67	109.5	6.79	119.1	7.93	129.5	8.89	133.6	9.14	138.7	9.36	142.6	9.47
		67.0	101.1	5.46	109.5	6.63	119.1	7.77	129.5	8.71	133.6	8.96	138.7	9.16	142.6	9.20

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM216DAS5

216,000 Btu/h, 460V Heat Pump/Heat Recovery Units

MULTI V Water 5 Outdoor Unit Performance Data Manual

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
50	50	22.3	84.2	1.25	91.2	1.46	99.3	1.76	108.1	1.92	111.3	1.95	115.5	2.04	118.7	2.05
		27.9	84.2	1.22	91.2	1.44	99.3	1.72	108.1	1.89	111.3	1.93	115.5	2.00	118.7	2.02
		55.8	84.2	1.11	91.2	1.35	99.3	1.59	108.1	1.78	111.3	1.85	115.5	1.85	118.7	1.89
		61.4	84.2	1.09	91.2	1.36	99.3	1.55	108.1	1.74	111.3	1.76	115.5	1.83	118.7	1.82
		67.0	84.2	1.07	91.2	1.37	99.3	1.51	108.1	1.70	111.3	1.67	115.5	1.81	118.7	1.75
	59	22.3	84.2	1.71	91.2	2.00	99.3	2.34	108.1	2.61	111.3	2.68	115.5	2.75	118.7	2.79
		27.9	84.2	1.68	91.2	1.97	99.3	2.30	108.1	2.57	111.3	2.64	115.5	2.70	118.7	2.75
		55.8	84.2	1.54	91.2	1.83	99.3	2.14	108.1	2.41	111.3	2.48	115.5	2.52	118.7	2.57
		61.4	84.2	1.50	91.2	1.81	99.3	2.10	108.1	2.37	111.3	2.41	115.5	2.48	118.7	2.50
		67.0	84.2	1.46	91.2	1.79	99.3	2.06	108.1	2.33	111.3	2.34	115.5	2.44	118.7	2.43
	67	22.3	84.2	2.12	91.2	2.48	99.3	2.86	108.1	3.22	111.3	3.32	115.5	3.38	118.7	3.45
		27.9	84.2	2.08	91.2	2.44	99.3	2.81	108.1	3.17	111.3	3.26	115.5	3.33	118.7	3.40
		55.8	84.2	1.92	91.2	2.26	99.3	2.64	108.1	2.97	111.3	3.04	115.5	3.13	118.7	3.17
		61.4	84.2	1.85	91.2	2.21	99.3	2.59	108.1	2.93	111.3	2.99	115.5	3.06	118.7	3.11
		67.0	84.2	1.78	91.2	2.16	99.3	2.54	108.1	2.89	111.3	2.94	115.5	2.99	118.7	3.05
	75	22.3	84.2	2.58	91.2	2.99	99.3	3.50	108.1	3.95	111.3	4.04	115.5	4.13	118.7	4.20
		27.9	84.2	2.52	91.2	2.95	99.3	3.44	108.1	3.89	111.3	3.98	115.5	4.07	118.7	4.13
		55.8	84.2	2.32	91.2	2.77	99.3	3.22	108.1	3.62	111.3	3.71	115.5	3.80	118.7	3.89
		61.4	84.2	2.26	91.2	2.70	99.3	3.15	108.1	3.55	111.3	3.64	115.5	3.73	118.7	3.78
		67.0	84.2	2.20	91.2	2.63	99.3	3.08	108.1	3.48	111.3	3.57	115.5	3.66	118.7	3.67
	86	22.3	84.2	3.20	91.2	3.70	99.3	4.32	108.1	4.86	111.3	4.98	115.5	5.08	118.7	5.18
		27.9	84.2	3.13	91.2	3.64	99.3	4.24	108.1	4.78	111.3	4.89	115.5	5.00	118.7	5.09
		55.8	84.2	2.86	91.2	3.40	99.3	3.95	108.1	4.47	111.3	4.56	115.5	4.69	118.7	4.76
		61.4	84.2	2.79	91.2	3.33	99.3	3.89	108.1	4.38	111.3	4.49	115.5	4.60	118.7	4.65
		67.0	84.2	2.72	91.2	3.26	99.3	3.83	108.1	4.29	111.3	4.42	115.5	4.51	118.7	4.54
	95	22.3	84.2	3.53	91.2	4.11	99.3	4.79	108.1	5.38	111.3	5.52	115.5	5.65	118.7	5.74
		27.9	84.2	3.46	91.2	4.04	99.3	4.71	108.1	5.29	111.3	5.43	115.5	5.56	118.7	5.65
		55.8	84.2	3.19	91.2	3.78	99.3	4.40	108.1	4.96	111.3	5.07	115.5	5.21	118.7	5.29
		61.4	84.2	3.11	91.2	3.71	99.3	4.31	108.1	4.87	111.3	4.98	115.5	5.12	118.7	5.16
		67.0	84.2	3.03	91.2	3.64	99.3	4.22	108.1	4.78	111.3	4.89	115.5	5.03	118.7	5.03
	104	22.3	84.2	4.20	91.2	4.86	99.3	5.68	108.1	6.38	111.3	6.54	115.5	6.70	118.7	6.81
		27.9	84.2	4.11	91.2	4.78	99.3	5.59	108.1	6.28	111.3	6.43	115.5	6.59	118.7	6.70
		55.8	84.2	3.78	91.2	4.47	99.3	5.21	108.1	5.88	111.3	6.01	115.5	6.17	118.7	6.28
		61.4	84.2	3.66	91.2	4.38	99.3	5.12	108.1	5.76	111.3	5.90	115.5	6.05	118.7	6.10
		67.0	84.2	3.54	91.2	4.29	99.3	5.03	108.1	5.64	111.3	5.79	115.5	5.93	118.7	5.92
	113	22.3	84.2	4.86	91.2	5.61	99.3	6.57	108.1	7.38	111.3	7.56	115.5	7.74	118.7	7.88
		27.9	84.2	4.76	91.2	5.52	99.3	6.46	108.1	7.26	111.3	7.44	115.5	7.62	118.7	7.75
		55.8	84.2	4.36	91.2	5.16	99.3	6.01	108.1	6.79	111.3	6.95	115.5	7.13	118.7	7.26
		61.4	84.2	4.22	91.2	5.05	99.3	5.92	108.1	6.66	111.3	6.81	115.5	6.99	118.7	7.04
		67.0	84.2	4.08	91.2	4.94	99.3	5.83	108.1	6.53	111.3	6.67	115.5	6.85	118.7	6.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
130	50	24.4	222.6	5.03	241.1	5.90	262.3	6.87	285.1	7.71	293.9	7.88	305.4	8.14	313.9	8.25
		35.6	222.6	4.94	241.1	5.80	262.3	6.76	285.1	7.58	293.9	7.76	305.4	8.00	313.9	8.13
		60.9	222.6	4.58	241.1	5.38	262.3	6.29	285.1	7.09	293.9	7.30	305.4	7.45	313.9	7.64
		76.1	222.6	4.45	241.1	5.31	262.3	6.19	285.1	6.93	293.9	7.14	305.4	7.32	313.9	7.43
		91.4	222.6	4.39	241.1	5.27	262.3	6.14	285.1	6.85	293.9	7.06	305.4	7.26	313.9	7.32
	59	24.4	218.9	6.64	237.2	7.73	258.1	9.01	280.6	10.13	289.1	10.37	300.3	10.64	308.8	10.82
		35.6	218.9	6.51	237.2	7.61	258.1	8.86	280.6	9.96	289.1	10.20	300.3	10.47	308.8	10.66
		60.9	218.9	6.00	237.2	7.10	258.1	8.28	280.6	9.32	289.1	9.56	300.3	9.80	308.8	10.02
		76.1	218.9	5.84	237.2	6.96	258.1	8.11	280.6	9.13	289.1	9.37	300.3	9.61	308.8	9.78
		91.4	218.9	5.76	237.2	6.90	258.1	8.03	280.6	9.04	289.1	9.28	300.3	9.52	308.8	9.65
	67	24.4	215.7	8.06	233.7	9.36	254.4	10.92	276.6	12.27	284.8	12.58	295.8	12.86	304.3	13.10
		35.6	215.7	7.90	233.7	9.21	254.4	10.74	276.6	12.08	284.8	12.37	295.8	12.67	304.3	12.91
		60.9	215.7	7.26	233.7	8.62	254.4	10.04	276.6	11.30	284.8	11.57	295.8	11.89	304.3	12.13
		76.1	215.7	7.07	233.7	8.44	254.4	9.83	276.6	11.09	284.8	11.36	295.8	11.65	304.3	11.86
		91.4	215.7	6.98	233.7	8.34	254.4	9.72	276.6	10.98	284.8	11.25	295.8	11.53	304.3	11.73
	75	24.4	215.7	9.94	233.7	11.54	254.4	13.45	276.6	15.17	284.8	15.52	295.8	15.88	304.3	16.15
		35.6	215.7	9.75	233.7	11.36	254.4	13.23	276.6	14.92	284.8	15.27	295.8	15.64	304.3	15.91
		60.9	215.7	8.97	233.7	10.63	254.4	12.37	276.6	13.93	284.8	14.27	295.8	14.68	304.3	14.94
		76.1	215.7	8.70	233.7	10.39	254.4	12.13	276.6	13.66	284.8	14.01	295.8	14.38	304.3	14.62
		91.4	215.7	8.57	233.7	10.27	254.4	12.01	276.6	13.52	284.8	13.87	295.8	14.23	304.3	14.46
	86	24.4	215.7	11.95	233.7	13.85	254.4	16.14	276.6	18.19	284.8	18.62	295.8	19.07	304.3	19.39
		35.6	215.7	11.70	233.7	13.63	254.4	15.88	276.6	17.89	284.8	18.32	295.8	18.77	304.3	19.10
		60.9	215.7	10.74	233.7	12.75	254.4	14.86	276.6	16.71	284.8	17.14	295.8	17.60	304.3	17.94
		76.1	215.7	10.44	233.7	12.48	254.4	14.54	276.6	16.39	284.8	16.82	295.8	17.25	304.3	17.54
		91.4	215.7	10.30	233.7	12.35	254.4	14.38	276.6	16.23	284.8	16.66	295.8	17.07	304.3	17.34
	95	24.4	194.2	12.05	210.2	14.02	228.9	16.33	248.9	18.37	256.4	18.84	266.4	19.29	273.8	19.60
		35.6	194.2	11.81	210.2	13.79	228.9	16.07	248.9	18.08	256.4	18.53	266.4	18.99	273.8	19.31
		60.9	194.2	10.87	210.2	12.88	228.9	15.02	248.9	16.93	256.4	17.33	266.4	17.78	273.8	18.16
		76.1	194.2	10.58	210.2	12.61	228.9	14.70	248.9	16.58	256.4	17.01	266.4	17.43	273.8	17.73
		91.4	194.2	10.43	210.2	12.48	228.9	14.54	248.9	16.40	256.4	16.84	266.4	17.26	273.8	17.51
	104	24.4	172.5	12.74	187.0	14.78	203.5	17.23	221.2	19.38	227.9	19.83	236.7	20.32	243.4	20.69
		35.6	172.5	12.48	187.0	14.54	203.5	16.95	221.2	19.07	227.9	19.52	236.7	20.01	243.4	20.38
		60.9	172.5	11.46	187.0	13.60	203.5	15.85	221.2	17.84	227.9	18.29	236.7	18.77	243.4	19.15
		76.1	172.5	11.14	187.0	13.31	203.5	15.51	221.2	17.49	227.9	17.94	236.7	18.40	243.4	18.72
		91.4	172.5	10.98	187.0	13.16	203.5	15.33	221.2	17.31	227.9	17.77	236.7	18.21	243.4	18.50
	113	24.4	150.8	13.43	163.8	15.54	178.0	18.13	193.5	20.39	199.5	20.83	206.9	21.34	212.9	21.78
		35.6	150.8	13.15	163.8	15.29	178.0	17.84	193.5	20.06	199.5	20.51	206.9	21.02	212.9	21.45
		60.9	150.8	12.05	163.8	14.33	178.0	16.68	193.5	18.75	199.5	19.26	206.9	19.76	212.9	20.14
		76.1	150.8	11.70	163.8	14.01	178.0	16.31	193.5	18.40	199.5	18.88	206.9	19.36	212.9	19.71
		91.4	150.8	11.53	163.8	13.84	178.0	16.12	193.5	18.22	199.5	18.69	206.9	19.16	212.9	19.50

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM240DAS5



240,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
120	50	24.4	210.7	4.80	227.9	5.60	248.4	6.48	269.9	7.30	277.9	7.53	289.0	7.71	296.9	7.79
		35.6	210.7	4.70	227.9	5.51	248.4	6.38	269.9	7.18	277.9	7.40	289.0	7.58	296.9	7.68
		60.9	210.7	4.32	227.9	5.15	248.4	6.00	269.9	6.72	277.9	6.87	289.0	7.05	296.9	7.21
		76.1	210.7	4.18	227.9	4.98	248.4	5.87	269.9	6.56	277.9	6.77	289.0	6.93	296.9	7.06
		91.4	210.7	4.12	227.9	4.90	248.4	5.80	269.9	6.48	277.9	6.72	289.0	6.86	296.9	6.98
	59	24.4	208.2	6.37	225.4	7.41	245.6	8.60	266.9	9.69	274.8	9.94	285.6	10.18	293.6	10.33
		35.6	208.2	6.24	225.4	7.28	245.6	8.46	266.9	9.53	274.8	9.78	285.6	10.02	293.6	10.18
		60.9	208.2	5.73	225.4	6.80	245.6	7.93	266.9	8.92	274.8	9.13	285.6	9.37	293.6	9.56
		76.1	208.2	5.57	225.4	6.64	245.6	7.77	266.9	8.73	274.8	8.97	285.6	9.19	293.6	9.35
		91.4	208.2	5.49	225.4	6.56	245.6	7.69	266.9	8.64	274.8	8.89	285.6	9.09	293.6	9.24
	67	24.4	205.9	7.76	223.2	9.01	243.1	10.48	264.1	11.81	272.1	12.08	282.6	12.37	290.6	12.59
		35.6	205.9	7.61	223.2	8.86	243.1	10.31	264.1	11.62	272.1	11.89	282.6	12.19	290.6	12.40
		60.9	205.9	6.99	223.2	8.28	243.1	9.64	264.1	10.87	272.1	11.14	282.6	11.44	290.6	11.65
		76.1	205.9	6.80	223.2	8.11	243.1	9.45	264.1	10.66	272.1	10.93	282.6	11.19	290.6	11.38
		91.4	205.9	6.71	223.2	8.03	243.1	9.36	264.1	10.55	272.1	10.82	282.6	11.07	290.6	11.25
	75	24.4	205.9	9.54	223.2	11.08	243.1	12.90	264.1	14.50	272.1	14.86	282.6	15.24	290.6	15.50
		35.6	205.9	9.35	223.2	10.90	243.1	12.69	264.1	14.27	272.1	14.62	282.6	15.00	290.6	15.27
		60.9	205.9	8.60	223.2	10.18	243.1	11.86	264.1	13.36	272.1	13.69	282.6	14.03	290.6	14.33
		76.1	205.9	8.36	223.2	9.96	243.1	11.62	264.1	13.10	272.1	13.42	282.6	13.77	290.6	13.98
		91.4	205.9	8.23	223.2	9.85	243.1	11.50	264.1	12.96	272.1	13.28	282.6	13.63	290.6	13.80
	86	24.4	205.9	11.50	223.2	13.39	243.1	15.60	264.1	17.56	272.1	17.96	282.6	18.42	290.6	18.74
		35.6	205.9	11.27	223.2	13.18	243.1	15.35	264.1	17.27	272.1	17.68	282.6	18.13	290.6	18.45
		60.9	205.9	10.39	223.2	12.32	243.1	14.33	264.1	16.15	272.1	16.55	282.6	16.98	290.6	17.30
		76.1	205.9	10.10	223.2	12.05	243.1	14.03	264.1	15.83	272.1	16.23	282.6	16.66	290.6	16.90
		91.4	205.9	9.95	223.2	11.92	243.1	13.89	264.1	15.67	272.1	16.07	282.6	16.50	290.6	16.70
	95	24.4	188.5	11.81	204.2	13.72	222.4	15.98	241.6	17.99	248.9	18.43	258.6	18.85	265.9	19.21
		35.6	188.5	11.57	204.2	13.50	222.4	15.72	241.6	17.70	248.9	18.13	258.6	18.56	265.9	18.91
		60.9	188.5	10.63	204.2	12.61	222.4	14.70	241.6	16.55	248.9	16.95	258.6	17.41	265.9	17.73
		76.1	188.5	10.34	204.2	12.35	222.4	14.41	241.6	16.23	248.9	16.63	258.6	17.06	265.9	17.33
		91.4	188.5	10.19	204.2	12.21	222.4	14.26	241.6	16.07	248.9	16.47	258.6	16.88	265.9	17.13
	104	24.4	171.0	12.70	185.2	14.75	201.7	17.20	219.4	19.35	225.9	19.81	234.7	20.30	241.1	20.67
		35.6	171.0	12.45	185.2	14.52	201.7	16.93	219.4	19.04	225.9	19.50	234.7	19.98	241.1	20.35
		60.9	171.0	11.46	185.2	13.58	201.7	15.83	219.4	17.81	225.9	18.24	234.7	18.72	241.1	19.10
		76.1	171.0	11.14	185.2	13.28	201.7	15.51	219.4	17.46	225.9	17.92	234.7	18.37	241.1	18.64
		91.4	171.0	10.98	185.2	13.14	201.7	15.34	219.4	17.29	225.9	17.75	234.7	18.20	241.1	18.41
	113	24.4	153.5	13.60	166.3	15.78	181.0	18.43	197.2	20.71	203.0	21.20	210.7	21.74	216.4	22.14
		35.6	153.5	13.34	166.3	15.53	181.0	18.13	197.2	20.38	203.0	20.86	210.7	21.40	216.4	21.80
		60.9	153.5	12.29	166.3	14.54	181.0	16.95	197.2	19.07	203.0	19.52	210.7	20.03	216.4	20.46
		76.1	153.5	11.94	166.3	14.22	181.0	16.60	197.2	18.69	203.0	19.20	210.7	19.68	216.4	19.95
		91.4	153.5	11.77	166.3	14.06	181.0	16.43	197.2	18.50	203.0	19.04	210.7	19.51	216.4	19.70

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

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Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
110	50	24.4	198.6	4.53	215.3	5.24	234.3	6.14	254.5	6.90	262.0	7.04	272.5	7.27	279.7	7.37
		35.6	198.6	4.44	215.3	5.16	234.3	6.04	254.5	6.79	262.0	6.94	272.5	7.15	279.7	7.25
		60.9	198.6	4.08	215.3	4.82	234.3	5.62	254.5	6.35	262.0	6.53	272.5	6.69	279.7	6.79
		76.1	198.6	3.97	215.3	4.72	234.3	5.49	254.5	6.25	262.0	6.34	272.5	6.55	279.7	6.63
		91.4	198.6	3.92	215.3	4.67	234.3	5.43	254.5	6.20	262.0	6.25	272.5	6.49	279.7	6.55
	59	24.4	197.5	6.07	213.9	7.05	232.9	8.22	253.1	9.25	260.6	9.47	270.9	9.72	278.3	9.88
		35.6	197.5	5.95	213.9	6.94	232.9	8.09	253.1	9.11	260.6	9.32	270.9	9.56	278.3	9.72
		60.9	197.5	5.46	213.9	6.48	232.9	7.55	253.1	8.52	260.6	8.73	270.9	8.94	278.3	9.11
		76.1	197.5	5.33	213.9	6.35	232.9	7.39	253.1	8.36	260.6	8.54	270.9	8.78	278.3	8.89
		91.4	197.5	5.26	213.9	6.28	232.9	7.31	253.1	8.27	260.6	8.45	270.9	8.70	278.3	8.78
	67	24.4	196.5	7.43	212.7	8.66	231.7	10.07	251.9	11.35	259.4	11.63	269.4	11.89	277.1	12.11
		35.6	196.5	7.28	212.7	8.52	231.7	9.91	251.9	11.17	259.4	11.44	269.4	11.70	277.1	11.92
		60.9	196.5	6.70	212.7	7.95	231.7	9.27	251.9	10.44	259.4	10.69	269.4	10.95	277.1	11.17
		76.1	196.5	6.53	212.7	7.79	231.7	9.08	251.9	10.23	259.4	10.50	269.4	10.77	277.1	10.90
		91.4	196.5	6.45	212.7	7.71	231.7	8.98	251.9	10.12	259.4	10.40	269.4	10.67	277.1	10.77
	75	24.4	196.5	9.09	212.7	10.59	231.7	12.33	251.9	13.88	259.4	14.20	269.4	14.56	277.1	14.83
		35.6	196.5	8.92	212.7	10.42	231.7	12.13	251.9	13.66	259.4	13.98	269.4	14.33	277.1	14.60
		60.9	196.5	8.22	212.7	9.75	231.7	11.36	251.9	12.77	259.4	13.10	269.4	13.42	277.1	13.69
		76.1	196.5	7.98	212.7	9.53	231.7	11.11	251.9	12.53	259.4	12.83	269.4	13.18	277.1	13.34
		91.4	196.5	7.86	212.7	9.43	231.7	10.99	251.9	12.41	259.4	12.69	269.4	13.05	277.1	13.16
	86	24.4	196.5	11.09	212.7	12.90	231.7	15.03	251.9	16.94	259.4	17.34	269.4	17.74	277.1	18.07
		35.6	196.5	10.87	212.7	12.69	231.7	14.78	251.9	16.66	259.4	17.06	269.4	17.46	277.1	17.78
		60.9	196.5	10.02	212.7	11.86	231.7	13.82	251.9	15.56	259.4	15.96	269.4	16.36	277.1	16.66
		76.1	196.5	9.75	212.7	11.62	231.7	13.55	251.9	15.27	259.4	15.64	269.4	16.04	277.1	16.26
		91.4	196.5	9.61	212.7	11.50	231.7	13.42	251.9	15.12	259.4	15.48	269.4	15.88	277.1	16.05
	95	24.4	183.0	11.56	198.2	13.42	215.9	15.62	234.7	17.61	241.6	18.02	251.1	18.45	258.1	18.80
		35.6	183.0	11.33	198.2	13.20	215.9	15.37	234.7	17.33	241.6	17.73	251.1	18.16	258.1	18.51
		60.9	183.0	10.42	198.2	12.35	215.9	14.38	234.7	16.20	241.6	16.58	251.1	17.01	258.1	17.33
		76.1	183.0	10.12	198.2	12.08	215.9	14.09	234.7	15.88	241.6	16.28	251.1	16.68	258.1	16.90
		91.4	183.0	9.97	198.2	11.94	215.9	13.94	234.7	15.72	241.6	16.13	251.1	16.52	258.1	16.68
	104	24.4	169.5	12.68	183.7	14.76	200.0	17.18	217.4	19.33	223.9	19.79	232.7	20.27	239.2	20.65
		35.6	169.5	12.43	183.7	14.52	200.0	16.90	217.4	19.01	223.9	19.47	232.7	19.95	239.2	20.33
		60.9	169.5	11.44	183.7	13.55	200.0	15.80	217.4	17.78	223.9	18.21	232.7	18.69	239.2	19.04
		76.1	169.5	11.11	183.7	13.26	200.0	15.48	217.4	17.43	223.9	17.89	232.7	18.35	239.2	18.56
		91.4	169.5	10.95	183.7	13.11	200.0	15.32	217.4	17.26	223.9	17.73	232.7	18.17	239.2	18.32
	113	24.4	156.0	13.80	169.3	16.10	184.0	18.73	200.2	21.04	206.2	21.56	214.2	22.09	220.2	22.50
		35.6	156.0	13.52	169.3	15.83	184.0	18.43	200.2	20.70	206.2	21.21	214.2	21.75	220.2	22.15
		60.9	156.0	12.45	169.3	14.76	184.0	17.22	200.2	19.36	206.2	19.85	214.2	20.38	220.2	20.76
		76.1	156.0	12.11	169.3	14.44	184.0	16.87	200.2	18.99	206.2	19.50	214.2	20.01	220.2	20.22
		91.4	156.0	11.93	169.3	14.27	184.0	16.70	200.2	18.80	206.2	19.32	214.2	19.82	220.2	19.95

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA

ARWM240DAS5



240,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
100	50	24.4	186.7	4.29	202.2	4.98	220.2	5.72	239.4	6.52	246.6	6.61	256.1	6.84	263.4	6.97
		35.6	186.7	4.20	202.2	4.90	220.2	5.64	239.4	6.42	246.6	6.51	256.1	6.73	263.4	6.86
		60.9	186.7	3.87	202.2	4.56	220.2	5.31	239.4	6.01	246.6	6.13	256.1	6.29	263.4	6.42
		76.1	186.7	3.74	202.2	4.46	220.2	5.18	239.4	5.88	246.6	6.00	256.1	6.16	263.4	6.21
		91.4	186.7	3.67	202.2	4.40	220.2	5.11	239.4	5.81	246.6	5.94	256.1	6.09	263.4	6.10
	59	24.4	186.7	5.79	202.2	6.72	220.2	7.81	239.4	8.82	246.6	9.01	256.1	9.25	263.4	9.42
		35.6	186.7	5.68	202.2	6.62	220.2	7.69	239.4	8.68	246.6	8.86	256.1	9.11	263.4	9.27
		60.9	186.7	5.22	202.2	6.19	220.2	7.20	239.4	8.11	246.6	8.30	256.1	8.52	263.4	8.68
		76.1	186.7	5.06	202.2	6.05	220.2	7.04	239.4	7.95	246.6	8.14	256.1	8.36	263.4	8.44
		91.4	186.7	4.98	202.2	5.99	220.2	6.96	239.4	7.87	246.6	8.06	256.1	8.27	263.4	8.31
	67	24.4	186.7	7.13	202.2	8.27	220.2	9.66	239.4	10.86	246.6	11.14	256.1	11.40	263.4	11.59
		35.6	186.7	6.99	202.2	8.14	220.2	9.51	239.4	10.69	246.6	10.95	256.1	11.22	263.4	11.41
		60.9	186.7	6.43	202.2	7.63	220.2	8.89	239.4	9.99	246.6	10.23	256.1	10.50	263.4	10.69
		76.1	186.7	6.24	202.2	7.47	220.2	8.70	239.4	9.80	246.6	10.04	256.1	10.31	263.4	10.42
		91.4	186.7	6.15	202.2	7.39	220.2	8.61	239.4	9.71	246.6	9.95	256.1	10.22	263.4	10.28
	75	24.4	186.7	8.69	202.2	10.10	220.2	11.76	239.4	13.26	246.6	13.59	256.1	13.91	263.4	14.15
		35.6	186.7	8.52	202.2	9.94	220.2	11.57	239.4	13.04	246.6	13.36	256.1	13.69	263.4	13.93
		60.9	186.7	7.85	202.2	9.29	220.2	10.82	239.4	12.19	246.6	12.48	256.1	12.80	263.4	13.04
		76.1	186.7	7.63	202.2	9.11	220.2	10.61	239.4	11.94	246.6	12.24	256.1	12.56	263.4	12.69
		91.4	186.7	7.52	202.2	9.01	220.2	10.50	239.4	11.82	246.6	12.12	256.1	12.44	263.4	12.52
	86	24.4	186.7	10.68	202.2	12.44	220.2	14.48	239.4	16.31	246.6	16.69	256.1	17.09	263.4	17.42
		35.6	186.7	10.47	202.2	12.24	220.2	14.25	239.4	16.04	246.6	16.42	256.1	16.82	263.4	17.14
		60.9	186.7	9.64	202.2	11.44	220.2	13.31	239.4	15.00	246.6	15.35	256.1	15.75	263.4	16.04
		76.1	186.7	9.37	202.2	11.19	220.2	13.04	239.4	14.70	246.6	15.08	256.1	15.45	263.4	15.61
		91.4	186.7	9.24	202.2	11.07	220.2	12.91	239.4	14.55	246.6	14.94	256.1	15.30	263.4	15.40
	95	24.4	177.5	11.28	192.2	13.12	209.2	15.27	227.4	17.20	234.2	17.61	243.4	18.04	250.1	18.37
		35.6	177.5	11.06	192.2	12.91	209.2	15.02	227.4	16.93	234.2	17.33	243.4	17.76	250.1	18.08
		60.9	177.5	10.18	192.2	12.08	209.2	14.06	227.4	15.83	234.2	16.20	243.4	16.63	250.1	16.93
		76.1	177.5	9.91	192.2	11.81	209.2	13.77	227.4	15.53	234.2	15.91	243.4	16.31	250.1	16.47
		91.4	177.5	9.77	192.2	11.68	209.2	13.62	227.4	15.38	234.2	15.76	243.4	16.15	250.1	16.24
	104	24.4	168.0	12.68	182.0	14.73	198.2	17.15	215.4	19.30	221.9	19.76	230.7	20.25	236.9	20.60
		35.6	168.0	12.43	182.0	14.49	198.2	16.87	215.4	18.99	221.9	19.44	230.7	19.93	236.9	20.27
		60.9	168.0	11.41	182.0	13.55	198.2	15.77	215.4	17.76	221.9	18.18	230.7	18.64	236.9	18.99
		76.1	168.0	11.11	182.0	13.26	198.2	15.45	215.4	17.41	221.9	17.84	230.7	18.29	236.9	18.48
		91.4	168.0	10.97	182.0	13.11	198.2	15.29	215.4	17.23	221.9	17.66	230.7	18.12	236.9	18.22
	113	24.4	158.5	14.08	171.7	16.33	187.2	19.03	203.5	21.40	209.7	21.91	217.9	22.46	223.7	22.83
		35.6	158.5	13.79	171.7	16.07	187.2	18.72	203.5	21.05	209.7	21.56	217.9	22.09	223.7	22.47
		60.9	158.5	12.64	171.7	15.02	187.2	17.49	203.5	19.68	209.7	20.17	217.9	20.65	223.7	21.05
		76.1	158.5	12.32	171.7	14.70	187.2	17.14	203.5	19.28	209.7	19.76	217.9	20.27	223.7	20.49
		91.4	158.5	12.16	171.7	14.54	187.2	16.96	203.5	19.08	209.7	19.56	217.9	20.08	223.7	20.20

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
90	50	24.4	168.0	3.64	182.0	4.23	198.2	4.95	215.4	5.60	221.9	5.70	230.7	5.82	236.9	6.00
		35.6	168.0	3.58	182.0	4.17	198.2	4.87	215.4	5.51	221.9	5.61	230.7	5.74	236.9	5.90
		60.9	168.0	3.32	182.0	3.94	198.2	4.56	215.4	5.18	221.9	5.28	230.7	5.44	236.9	5.51
		76.1	168.0	3.22	182.0	3.81	198.2	4.48	215.4	5.02	221.9	5.18	230.7	5.34	236.9	5.33
		91.4	168.0	3.17	182.0	3.74	198.2	4.44	215.4	4.94	221.9	5.13	230.7	5.28	236.9	5.24
	59	24.4	168.0	4.97	182.0	5.77	198.2	6.72	215.4	7.59	221.9	7.75	230.7	7.94	236.9	8.11
		35.6	168.0	4.87	182.0	5.68	198.2	6.62	215.4	7.47	221.9	7.63	230.7	7.82	236.9	7.98
		60.9	168.0	4.50	182.0	5.33	198.2	6.19	215.4	6.99	221.9	7.15	230.7	7.34	236.9	7.47
		76.1	168.0	4.37	182.0	5.20	198.2	6.08	215.4	6.83	221.9	7.02	230.7	7.20	236.9	7.26
		91.4	168.0	4.30	182.0	5.13	198.2	6.03	215.4	6.75	221.9	6.95	230.7	7.14	236.9	7.15
	67	24.4	168.0	6.15	182.0	7.13	198.2	8.30	215.4	9.37	221.9	9.58	230.7	9.83	236.9	9.98
		35.6	168.0	6.03	182.0	7.02	198.2	8.17	215.4	9.21	221.9	9.43	230.7	9.67	236.9	9.83
		60.9	168.0	5.54	182.0	6.56	198.2	7.63	215.4	8.60	221.9	8.81	230.7	9.03	236.9	9.21
		76.1	168.0	5.38	182.0	6.43	198.2	7.50	215.4	8.44	221.9	8.65	230.7	8.86	236.9	8.97
		91.4	168.0	5.30	182.0	6.36	198.2	7.43	215.4	8.36	221.9	8.57	230.7	8.78	236.9	8.85
	75	24.4	168.0	7.49	182.0	8.71	198.2	10.13	215.4	11.40	221.9	11.68	230.7	11.97	236.9	12.19
		35.6	168.0	7.34	182.0	8.57	198.2	9.96	215.4	11.22	221.9	11.49	230.7	11.78	236.9	12.00
		60.9	168.0	6.75	182.0	8.01	198.2	9.32	215.4	10.50	221.9	10.74	230.7	11.03	236.9	11.22
		76.1	168.0	6.56	182.0	7.82	198.2	9.13	215.4	10.28	221.9	10.55	230.7	10.82	236.9	10.93
		91.4	168.0	6.47	182.0	7.73	198.2	9.04	215.4	10.18	221.9	10.46	230.7	10.71	236.9	10.78
	86	24.4	168.0	9.21	182.0	10.70	198.2	12.47	215.4	14.05	221.9	14.37	230.7	14.73	236.9	15.00
		35.6	168.0	9.03	182.0	10.53	198.2	12.27	215.4	13.82	221.9	14.14	230.7	14.49	236.9	14.76
		60.9	168.0	8.30	182.0	9.83	198.2	11.46	215.4	12.91	221.9	13.23	230.7	13.55	236.9	13.79
		76.1	168.0	8.06	182.0	9.64	198.2	11.22	215.4	12.67	221.9	12.96	230.7	13.31	236.9	13.44
		91.4	168.0	7.94	182.0	9.55	198.2	11.10	215.4	12.55	221.9	12.83	230.7	13.19	236.9	13.27
	95	24.4	163.5	9.95	177.0	11.54	192.7	13.45	209.4	15.13	215.7	15.49	224.2	15.86	230.4	16.17
		35.6	163.5	9.75	177.0	11.36	192.7	13.23	209.4	14.89	215.7	15.24	224.2	15.61	230.4	15.91
		60.9	163.5	8.94	177.0	10.61	192.7	12.37	209.4	13.93	215.7	14.25	224.2	14.62	230.4	14.89
		76.1	163.5	8.70	177.0	10.39	192.7	12.11	209.4	13.66	215.7	14.01	224.2	14.35	230.4	14.49
		91.4	163.5	8.58	177.0	10.28	192.7	11.97	209.4	13.52	215.7	13.89	224.2	14.22	230.4	14.29
	104	24.4	158.8	11.42	172.0	13.26	187.2	15.43	203.5	17.40	209.7	17.80	217.7	18.23	223.9	18.56
		35.6	158.8	11.19	172.0	13.04	187.2	15.19	203.5	17.11	209.7	17.52	217.7	17.94	223.9	18.26
		60.9	158.8	10.28	172.0	12.19	187.2	14.22	203.5	15.99	209.7	16.39	217.7	16.79	223.9	17.11
		76.1	158.8	9.99	172.0	11.94	187.2	13.93	203.5	15.69	209.7	16.07	217.7	16.50	223.9	16.66
		91.4	158.8	9.84	172.0	11.82	187.2	13.78	203.5	15.55	209.7	15.91	217.7	16.35	223.9	16.43
	113	24.4	154.0	12.90	167.0	14.97	181.7	17.41	197.5	19.66	203.7	20.11	211.2	20.61	217.4	20.95
		35.6	154.0	12.64	167.0	14.73	181.7	17.14	197.5	19.34	203.7	19.79	211.2	20.27	217.4	20.62
		60.9	154.0	11.62	167.0	13.77	181.7	16.07	197.5	18.05	203.7	18.53	211.2	18.96	217.4	19.34
		76.1	154.0	11.27	167.0	13.50	181.7	15.75	197.5	17.73	203.7	18.13	211.2	18.64	217.4	18.83
		91.4	154.0	11.10	167.0	13.36	181.7	15.59	197.5	17.57	203.7	17.93	211.2	18.48	217.4	18.57

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM240DAS5

240,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
80	50	24.4	149.3	3.12	161.8	3.55	176.2	4.12	191.5	4.73	197.2	4.78	205.0	4.93	210.7	4.97
		35.6	149.3	3.04	161.8	3.50	176.2	4.07	191.5	4.64	197.2	4.71	205.0	4.84	210.7	4.89
		60.9	149.3	2.76	161.8	3.33	176.2	3.84	191.5	4.30	197.2	4.43	205.0	4.51	210.7	4.58
		76.1	149.3	2.74	161.8	3.22	176.2	3.76	191.5	4.22	197.2	4.30	205.0	4.43	210.7	4.48
		91.4	149.3	2.72	161.8	3.17	176.2	3.72	191.5	4.19	197.2	4.23	205.0	4.39	210.7	4.43
	59	24.4	149.3	4.19	161.8	4.84	176.2	5.63	191.5	6.38	197.2	6.50	205.0	6.67	210.7	6.78
		35.6	149.3	4.10	161.8	4.77	176.2	5.54	191.5	6.27	197.2	6.40	205.0	6.56	210.7	6.67
		60.9	149.3	3.75	161.8	4.47	176.2	5.20	191.5	5.84	197.2	6.00	205.0	6.13	210.7	6.24
		76.1	149.3	3.67	161.8	4.37	176.2	5.09	191.5	5.73	197.2	5.87	205.0	6.03	210.7	6.08
		91.4	149.3	3.63	161.8	4.31	176.2	5.03	191.5	5.68	197.2	5.80	205.0	5.97	210.7	6.00
	67	24.4	149.3	5.14	161.8	5.99	176.2	6.97	191.5	7.84	197.2	8.03	205.0	8.22	210.7	8.38
		35.6	149.3	5.03	161.8	5.89	176.2	6.86	191.5	7.71	197.2	7.90	205.0	8.09	210.7	8.25
		60.9	149.3	4.63	161.8	5.49	176.2	6.40	191.5	7.20	197.2	7.39	205.0	7.58	210.7	7.71
		76.1	149.3	4.50	161.8	5.38	176.2	6.27	191.5	7.07	197.2	7.26	205.0	7.45	210.7	7.50
		91.4	149.3	4.43	161.8	5.33	176.2	6.20	191.5	7.00	197.2	7.19	205.0	7.38	210.7	7.39
	75	24.4	149.3	6.29	161.8	7.30	176.2	8.49	191.5	9.55	197.2	9.80	205.0	10.04	210.7	10.21
		35.6	149.3	6.16	161.8	7.18	176.2	8.36	191.5	9.40	197.2	9.64	205.0	9.88	210.7	10.04
		60.9	149.3	5.65	161.8	6.70	176.2	7.82	191.5	8.81	197.2	9.00	205.0	9.24	210.7	9.40
		76.1	149.3	5.49	161.8	6.56	176.2	7.66	191.5	8.62	197.2	8.84	205.0	9.08	210.7	9.16
		91.4	149.3	5.41	161.8	6.49	176.2	7.58	191.5	8.53	197.2	8.76	205.0	9.00	210.7	9.04
	86	24.4	149.3	7.70	161.8	8.95	176.2	10.45	191.5	11.76	197.2	12.03	205.0	12.33	210.7	12.58
		35.6	149.3	7.55	161.8	8.81	176.2	10.28	191.5	11.57	197.2	11.84	205.0	12.13	210.7	12.37
		60.9	149.3	6.96	161.8	8.25	176.2	9.61	191.5	10.82	197.2	11.09	205.0	11.36	210.7	11.57
		76.1	149.3	6.78	161.8	8.06	176.2	9.40	191.5	10.61	197.2	10.87	205.0	11.14	210.7	11.27
		91.4	149.3	6.68	161.8	7.97	176.2	9.29	191.5	10.50	197.2	10.77	205.0	11.03	210.7	11.13
	95	24.4	149.3	8.58	161.8	9.96	176.2	11.59	191.5	13.06	197.2	13.39	205.0	13.72	210.7	13.96
		35.6	149.3	8.41	161.8	9.80	176.2	11.41	191.5	12.86	197.2	13.18	205.0	13.50	210.7	13.74
		60.9	149.3	7.74	161.8	9.16	176.2	10.69	191.5	12.02	197.2	12.32	205.0	12.61	210.7	12.86
		76.1	149.3	7.53	161.8	8.97	176.2	10.47	191.5	11.78	197.2	12.08	205.0	12.40	210.7	12.51
		91.4	149.3	7.42	161.8	8.88	176.2	10.36	191.5	11.66	197.2	11.96	205.0	12.29	210.7	12.33
	104	24.4	149.3	10.17	161.8	11.82	176.2	13.75	191.5	15.49	197.2	15.84	205.0	16.25	210.7	16.52
		35.6	149.3	9.96	161.8	11.62	176.2	13.52	191.5	15.24	197.2	15.59	205.0	15.99	210.7	16.26
		60.9	149.3	9.16	161.8	10.85	176.2	12.64	191.5	14.25	197.2	14.57	205.0	14.94	210.7	15.21
		76.1	149.3	8.89	161.8	10.63	176.2	12.37	191.5	13.95	197.2	14.30	205.0	14.68	210.7	14.81
		91.4	149.3	8.76	161.8	10.52	176.2	12.24	191.5	13.80	197.2	14.17	205.0	14.54	210.7	14.61
	113	24.4	149.3	11.75	161.8	13.67	176.2	15.90	191.5	17.91	197.2	18.29	205.0	18.78	210.7	19.08
		35.6	149.3	11.52	161.8	13.44	176.2	15.64	191.5	17.62	197.2	18.00	205.0	18.48	210.7	18.77
		60.9	149.3	10.58	161.8	12.53	176.2	14.60	191.5	16.47	197.2	16.82	205.0	17.27	210.7	17.57
		76.1	149.3	10.26	161.8	12.29	176.2	14.27	191.5	16.12	197.2	16.52	205.0	16.95	210.7	17.11
		91.4	149.3	10.10	161.8	12.17	176.2	14.11	191.5	15.95	197.2	16.38	205.0	16.79	210.7	16.88

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
70	50	24.4	130.8	2.54	141.5	2.96	154.3	3.42	167.5	3.86	172.5	4.01	179.2	4.11	184.2	4.12
		35.6	130.8	2.50	141.5	2.91	154.3	3.37	167.5	3.81	172.5	3.94	179.2	4.05	184.2	4.07
		60.9	130.8	2.32	141.5	2.70	154.3	3.17	167.5	3.61	172.5	3.69	179.2	3.79	184.2	3.84
		76.1	130.8	2.27	141.5	2.65	154.3	3.12	167.5	3.50	172.5	3.58	179.2	3.68	184.2	3.74
		91.4	130.8	2.24	141.5	2.63	154.3	3.09	167.5	3.45	172.5	3.52	179.2	3.63	184.2	3.68
	59	24.4	130.8	3.47	141.5	4.03	154.3	4.68	167.5	5.28	172.5	5.42	179.2	5.55	184.2	5.63
		35.6	130.8	3.40	141.5	3.96	154.3	4.61	167.5	5.20	172.5	5.33	179.2	5.46	184.2	5.54
		60.9	130.8	3.13	141.5	3.70	154.3	4.31	167.5	4.87	172.5	4.98	179.2	5.12	184.2	5.20
		76.1	130.8	3.05	141.5	3.62	154.3	4.23	167.5	4.77	172.5	4.87	179.2	5.01	184.2	5.06
		91.4	130.8	3.01	141.5	3.58	154.3	4.19	167.5	4.71	172.5	4.82	179.2	4.95	184.2	4.99
	67	24.4	130.8	4.29	141.5	4.98	154.3	5.80	167.5	6.54	172.5	6.67	179.2	6.83	184.2	6.97
		35.6	130.8	4.20	141.5	4.90	154.3	5.70	167.5	6.43	172.5	6.56	179.2	6.72	184.2	6.86
		60.9	130.8	3.86	141.5	4.58	154.3	5.33	167.5	6.00	172.5	6.13	179.2	6.29	184.2	6.40
		76.1	130.8	3.75	141.5	4.47	154.3	5.22	167.5	5.89	172.5	6.03	179.2	6.19	184.2	6.24
		91.4	130.8	3.70	141.5	4.42	154.3	5.17	167.5	5.84	172.5	5.97	179.2	6.13	184.2	6.16
	75	24.4	130.8	5.22	141.5	6.07	154.3	7.04	167.5	7.95	172.5	8.14	179.2	8.32	184.2	8.49
		35.6	130.8	5.12	141.5	5.97	154.3	6.94	167.5	7.82	172.5	8.01	179.2	8.20	184.2	8.36
		60.9	130.8	4.71	141.5	5.57	154.3	6.51	167.5	7.31	172.5	7.50	179.2	7.69	184.2	7.82
		76.1	130.8	4.58	141.5	5.46	154.3	6.37	167.5	7.18	172.5	7.34	179.2	7.53	184.2	7.61
		91.4	130.8	4.51	141.5	5.41	154.3	6.31	167.5	7.11	172.5	7.26	179.2	7.44	184.2	7.50
	86	24.4	130.8	6.42	141.5	7.46	154.3	8.69	167.5	9.77	172.5	10.02	179.2	10.26	184.2	10.45
		35.6	130.8	6.29	141.5	7.34	154.3	8.54	167.5	9.61	172.5	9.86	179.2	10.10	184.2	10.28
		60.9	130.8	5.78	141.5	6.86	154.3	7.98	167.5	9.00	172.5	9.21	179.2	9.45	184.2	9.61
		76.1	130.8	5.62	141.5	6.72	154.3	7.82	167.5	8.81	172.5	9.05	179.2	9.27	184.2	9.37
		91.4	130.8	5.54	141.5	6.65	154.3	7.74	167.5	8.72	172.5	8.97	179.2	9.17	184.2	9.25
	95	24.4	130.8	7.13	141.5	8.27	154.3	9.67	167.5	10.86	172.5	11.14	179.2	11.40	184.2	11.59
		35.6	130.8	6.99	141.5	8.14	154.3	9.51	167.5	10.69	172.5	10.95	179.2	11.22	184.2	11.41
		60.9	130.8	6.43	141.5	7.63	154.3	8.86	167.5	9.99	172.5	10.23	179.2	10.50	184.2	10.69
		76.1	130.8	6.24	141.5	7.45	154.3	8.70	167.5	9.80	172.5	10.04	179.2	10.31	184.2	10.42
		91.4	130.8	6.15	141.5	7.35	154.3	8.62	167.5	9.71	172.5	9.95	179.2	10.22	184.2	10.28
	104	24.4	130.8	8.44	141.5	9.80	154.3	11.43	167.5	12.88	172.5	13.17	179.2	13.50	184.2	13.74
		35.6	130.8	8.28	141.5	9.64	154.3	11.25	167.5	12.67	172.5	12.96	179.2	13.28	184.2	13.52
		60.9	130.8	7.61	141.5	9.03	154.3	10.53	167.5	11.84	172.5	12.13	179.2	12.43	184.2	12.67
		76.1	130.8	7.39	141.5	8.84	154.3	10.28	167.5	11.60	172.5	11.89	179.2	12.21	184.2	12.32
		91.4	130.8	7.28	141.5	8.74	154.3	10.16	167.5	11.47	172.5	11.77	179.2	12.10	184.2	12.14
	113	24.4	130.8	9.76	141.5	11.32	154.3	13.19	167.5	14.89	172.5	15.21	179.2	15.60	184.2	15.89
		35.6	130.8	9.56	141.5	11.14	154.3	12.99	167.5	14.65	172.5	14.97	179.2	15.35	184.2	15.64
		60.9	130.8	8.78	141.5	10.42	154.3	12.19	167.5	13.69	172.5	14.03	179.2	14.35	184.2	14.65
		76.1	130.8	8.54	141.5	10.23	154.3	11.86	167.5	13.39	172.5	13.74	179.2	14.11	184.2	14.22
		91.4	130.8	8.42	141.5	10.14	154.3	11.70	167.5	13.24	172.5	13.59	179.2	13.99	184.2	14.01

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM240DAS5

240,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
60	50	24.4	112.1	2.02	121.3	2.36	132.1	2.71	143.5	3.12	148.0	3.20	153.8	3.24	158.0	3.29
		35.6	112.1	1.98	121.3	2.32	132.1	2.67	143.5	3.07	148.0	3.14	153.8	3.19	158.0	3.24
		60.9	112.1	1.83	121.3	2.16	132.1	2.55	143.5	2.86	148.0	2.91	153.8	3.02	158.0	3.07
		76.1	112.1	1.75	121.3	2.14	132.1	2.50	143.5	2.81	148.0	2.86	153.8	2.94	158.0	2.99
		91.4	112.1	1.71	121.3	2.13	132.1	2.48	143.5	2.78	148.0	2.83	153.8	2.90	158.0	2.95
	59	24.4	112.1	2.76	121.3	3.21	132.1	3.72	143.5	4.22	148.0	4.33	153.8	4.41	158.0	4.49
		35.6	112.1	2.70	121.3	3.16	132.1	3.67	143.5	4.15	148.0	4.26	153.8	4.34	158.0	4.42
		60.9	112.1	2.49	121.3	2.95	132.1	3.45	143.5	3.88	148.0	3.96	153.8	4.07	158.0	4.15
		76.1	112.1	2.41	121.3	2.89	132.1	3.37	143.5	3.80	148.0	3.88	153.8	3.99	158.0	4.04
		91.4	112.1	2.37	121.3	2.87	132.1	3.33	143.5	3.76	148.0	3.84	153.8	3.95	158.0	3.99
	67	24.4	112.1	3.42	121.3	3.98	132.1	4.63	143.5	5.20	148.0	5.34	153.8	5.44	158.0	5.55
		35.6	112.1	3.35	121.3	3.91	132.1	4.55	143.5	5.12	148.0	5.25	153.8	5.36	158.0	5.46
		60.9	112.1	3.08	121.3	3.64	132.1	4.26	143.5	4.79	148.0	4.90	153.8	5.01	158.0	5.12
		76.1	112.1	3.00	121.3	3.56	132.1	4.15	143.5	4.69	148.0	4.79	153.8	4.93	158.0	4.98
		91.4	112.1	2.96	121.3	3.52	132.1	4.10	143.5	4.63	148.0	4.74	153.8	4.89	158.0	4.91
	75	24.4	112.1	4.15	121.3	4.85	132.1	5.64	143.5	6.34	148.0	6.48	153.8	6.64	158.0	6.78
		35.6	112.1	4.07	121.3	4.77	132.1	5.54	143.5	6.24	148.0	6.37	153.8	6.53	158.0	6.67
		60.9	112.1	3.75	121.3	4.45	132.1	5.17	143.5	5.84	148.0	5.97	153.8	6.13	158.0	6.24
		76.1	112.1	3.64	121.3	4.34	132.1	5.06	143.5	5.70	148.0	5.87	153.8	6.00	158.0	6.08
		91.4	112.1	3.59	121.3	4.28	132.1	5.01	143.5	5.64	148.0	5.81	153.8	5.93	158.0	6.00
	86	24.4	112.1	5.11	121.3	5.93	132.1	6.91	143.5	7.78	148.0	7.98	153.8	8.16	158.0	8.33
		35.6	112.1	5.01	121.3	5.84	132.1	6.80	143.5	7.66	148.0	7.85	153.8	8.03	158.0	8.20
		60.9	112.1	4.61	121.3	5.46	132.1	6.37	143.5	7.18	148.0	7.34	153.8	7.53	158.0	7.66
		76.1	112.1	4.47	121.3	5.36	132.1	6.24	143.5	7.04	148.0	7.20	153.8	7.39	158.0	7.47
		91.4	112.1	4.41	121.3	5.30	132.1	6.17	143.5	6.98	148.0	7.14	153.8	7.32	158.0	7.38
	95	24.4	112.1	5.69	121.3	6.62	132.1	7.71	143.5	8.65	148.0	8.87	153.8	9.09	158.0	9.25
		35.6	112.1	5.57	121.3	6.51	132.1	7.58	143.5	8.52	148.0	8.73	153.8	8.94	158.0	9.11
		60.9	112.1	5.12	121.3	6.08	132.1	7.07	143.5	7.98	148.0	8.17	153.8	8.36	158.0	8.52
		76.1	112.1	4.98	121.3	5.95	132.1	6.94	143.5	7.82	148.0	8.01	153.8	8.22	158.0	8.30
		91.4	112.1	4.91	121.3	5.88	132.1	6.87	143.5	7.74	148.0	7.93	153.8	8.15	158.0	8.19
	104	24.4	112.1	6.72	121.3	7.81	132.1	9.12	143.5	10.27	148.0	10.51	153.8	10.75	158.0	10.97
		35.6	112.1	6.59	121.3	7.69	132.1	8.97	143.5	10.10	148.0	10.34	153.8	10.58	158.0	10.79
		60.9	112.1	6.08	121.3	7.20	132.1	8.38	143.5	9.43	148.0	9.67	153.8	9.91	158.0	10.10
		76.1	112.1	5.89	121.3	7.04	132.1	8.22	143.5	9.24	148.0	9.48	153.8	9.72	158.0	9.83
		91.4	112.1	5.80	121.3	6.96	132.1	8.14	143.5	9.15	148.0	9.39	153.8	9.63	158.0	9.69
	113	24.4	112.1	7.75	121.3	9.00	132.1	10.53	143.5	11.88	148.0	12.14	153.8	12.40	158.0	12.68
		35.6	112.1	7.61	121.3	8.86	132.1	10.36	143.5	11.68	148.0	11.94	153.8	12.21	158.0	12.48
		60.9	112.1	7.04	121.3	8.33	132.1	9.69	143.5	10.87	148.0	11.17	153.8	11.46	158.0	11.68
		76.1	112.1	6.80	121.3	8.14	132.1	9.51	143.5	10.66	148.0	10.95	153.8	11.22	158.0	11.36
		91.4	112.1	6.68	121.3	8.05	132.1	9.41	143.5	10.55	148.0	10.85	153.8	11.10	158.0	11.19

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
50	50	24.4	93.4	1.50	101.1	1.75	110.1	2.11	119.8	2.30	123.3	2.34	128.1	2.44	131.6	2.46
		35.6	93.4	1.47	101.1	1.72	110.1	2.07	119.8	2.27	123.3	2.32	128.1	2.40	131.6	2.42
		60.9	93.4	1.34	101.1	1.62	110.1	1.91	119.8	2.14	123.3	2.22	128.1	2.21	131.6	2.27
		76.1	93.4	1.31	101.1	1.63	110.1	1.85	119.8	2.09	123.3	2.11	128.1	2.19	131.6	2.19
		91.4	93.4	1.30	101.1	1.63	110.1	1.83	119.8	2.06	123.3	2.05	128.1	2.18	131.6	2.15
	59	24.4	93.4	2.05	101.1	2.40	110.1	2.81	119.8	3.13	123.3	3.21	128.1	3.29	131.6	3.35
		35.6	93.4	2.01	101.1	2.36	110.1	2.76	119.8	3.08	123.3	3.16	128.1	3.24	131.6	3.29
		60.9	93.4	1.85	101.1	2.20	110.1	2.57	119.8	2.89	123.3	2.97	128.1	3.03	131.6	3.08
		76.1	93.4	1.79	101.1	2.17	110.1	2.52	119.8	2.84	123.3	2.89	128.1	2.97	131.6	3.00
		91.4	93.4	1.77	101.1	2.16	110.1	2.49	119.8	2.81	123.3	2.85	128.1	2.95	131.6	2.96
	67	24.4	93.4	2.54	101.1	2.97	110.1	3.43	119.8	3.86	123.3	3.98	128.1	4.05	131.6	4.14
		35.6	93.4	2.49	101.1	2.92	110.1	3.37	119.8	3.80	123.3	3.91	128.1	3.99	131.6	4.07
		60.9	93.4	2.30	101.1	2.70	110.1	3.16	119.8	3.56	123.3	3.64	128.1	3.75	131.6	3.80
		76.1	93.4	2.22	101.1	2.65	110.1	3.11	119.8	3.51	123.3	3.59	128.1	3.67	131.6	3.72
		91.4	93.4	2.18	101.1	2.62	110.1	3.08	119.8	3.48	123.3	3.56	128.1	3.63	131.6	3.68
	75	24.4	93.4	3.09	101.1	3.59	110.1	4.19	119.8	4.74	123.3	4.85	128.1	4.96	131.6	5.03
		35.6	93.4	3.03	101.1	3.54	110.1	4.12	119.8	4.66	123.3	4.77	128.1	4.87	131.6	4.95
		60.9	93.4	2.79	101.1	3.32	110.1	3.86	119.8	4.34	123.3	4.45	128.1	4.55	131.6	4.66
		76.1	93.4	2.70	101.1	3.24	110.1	3.78	119.8	4.26	123.3	4.37	128.1	4.47	131.6	4.53
		91.4	93.4	2.66	101.1	3.20	110.1	3.74	119.8	4.22	123.3	4.32	128.1	4.43	131.6	4.46
	86	24.4	93.4	3.83	101.1	4.44	110.1	5.18	119.8	5.83	123.3	5.97	128.1	6.09	131.6	6.21
		35.6	93.4	3.75	101.1	4.37	110.1	5.09	119.8	5.73	123.3	5.87	128.1	6.00	131.6	6.11
		60.9	93.4	3.43	101.1	4.07	110.1	4.74	119.8	5.36	123.3	5.46	128.1	5.62	131.6	5.70
		76.1	93.4	3.35	101.1	3.99	110.1	4.66	119.8	5.25	123.3	5.38	128.1	5.52	131.6	5.57
		91.4	93.4	3.31	101.1	3.95	110.1	4.62	119.8	5.20	123.3	5.34	128.1	5.46	131.6	5.50
	95	24.4	93.4	4.23	101.1	4.93	110.1	5.75	119.8	6.45	123.3	6.62	128.1	6.78	131.6	6.88
		35.6	93.4	4.15	101.1	4.85	110.1	5.65	119.8	6.35	123.3	6.51	128.1	6.67	131.6	6.78
		60.9	93.4	3.83	101.1	4.53	110.1	5.28	119.8	5.95	123.3	6.08	128.1	6.24	131.6	6.35
		76.1	93.4	3.72	101.1	4.45	110.1	5.17	119.8	5.84	123.3	5.97	128.1	6.13	131.6	6.19
		91.4	93.4	3.67	101.1	4.41	110.1	5.11	119.8	5.78	123.3	5.92	128.1	6.08	131.6	6.11
	104	24.4	93.4	5.03	101.1	5.83	110.1	6.81	119.8	7.65	123.3	7.84	128.1	8.03	131.6	8.16
		35.6	93.4	4.93	101.1	5.73	110.1	6.70	119.8	7.53	123.3	7.71	128.1	7.90	131.6	8.03
		60.9	93.4	4.53	101.1	5.36	110.1	6.24	119.8	7.04	123.3	7.20	128.1	7.39	131.6	7.53
		76.1	93.4	4.39	101.1	5.25	110.1	6.13	119.8	6.91	123.3	7.07	128.1	7.26	131.6	7.31
		91.4	93.4	4.32	101.1	5.20	110.1	6.08	119.8	6.84	123.3	7.00	128.1	7.19	131.6	7.20
	113	24.4	93.4	5.83	101.1	6.72	110.1	7.88	119.8	8.85	123.3	9.07	128.1	9.28	131.6	9.44
		35.6	93.4	5.70	101.1	6.62	110.1	7.74	119.8	8.70	123.3	8.92	128.1	9.13	131.6	9.29
		60.9	93.4	5.22	101.1	6.19	110.1	7.20	119.8	8.14	123.3	8.33	128.1	8.54	131.6	8.70
		76.1	93.4	5.06	101.1	6.05	110.1	7.10	119.8	7.98	123.3	8.17	128.1	8.38	131.6	8.44
		91.4	93.4	4.98	101.1	5.99	110.1	7.04	119.8	7.90	123.3	8.09	128.1	8.30	131.6	8.30

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM264DAS5

264,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	50	26.4	245.5	5.83	265.9	6.84	289.3	7.97	314.4	8.93	324.0	9.13	336.7	9.43	346.1	9.57
		35.6	245.5	5.73	265.9	6.72	289.3	7.83	314.4	8.79	324.0	9.00	336.7	9.27	346.1	9.42
		65.9	245.5	5.31	265.9	6.24	289.3	7.29	314.4	8.22	324.0	8.46	336.7	8.64	346.1	8.85
		82.4	245.5	5.16	265.9	6.15	289.3	7.17	314.4	8.04	324.0	8.28	336.7	8.49	346.1	8.61
		98.9	245.5	5.08	265.9	6.11	289.3	7.11	314.4	7.94	324.0	8.19	336.7	8.42	346.1	8.48
	59	26.4	241.4	7.69	261.5	8.96	284.6	10.45	309.4	11.74	318.8	12.01	331.2	12.33	340.5	12.54
		35.6	241.4	7.54	261.5	8.82	284.6	10.27	309.4	11.55	318.8	11.83	331.2	12.14	340.5	12.35
		65.9	241.4	6.95	261.5	8.23	284.6	9.59	309.4	10.80	318.8	11.08	331.2	11.36	340.5	11.61
		82.4	241.4	6.77	261.5	8.07	284.6	9.41	309.4	10.59	318.8	10.86	331.2	11.14	340.5	11.33
		98.9	241.4	6.67	261.5	7.99	284.6	9.31	309.4	10.48	318.8	10.75	331.2	11.03	340.5	11.19
	67	26.4	237.8	9.35	257.7	10.85	280.5	12.65	305.0	14.23	314.1	14.58	326.2	14.91	335.6	15.19
		35.6	237.8	9.16	257.7	10.68	280.5	12.45	305.0	14.00	314.1	14.34	326.2	14.68	335.6	14.96
		65.9	237.8	8.41	257.7	10.00	280.5	11.64	305.0	13.10	314.1	13.41	326.2	13.78	335.6	14.06
		82.4	237.8	8.19	257.7	9.78	280.5	11.39	305.0	12.85	314.1	13.16	326.2	13.50	335.6	13.75
		98.9	237.8	8.09	257.7	9.67	280.5	11.27	305.0	12.73	314.1	13.04	326.2	13.36	335.6	13.59
	75	26.4	237.8	11.53	257.7	13.37	280.5	15.59	305.0	17.58	314.1	17.98	326.2	18.41	335.6	18.72
		35.6	237.8	11.30	257.7	13.16	280.5	15.33	305.0	17.29	314.1	17.69	326.2	18.13	335.6	18.44
		65.9	237.8	10.40	257.7	12.32	280.5	14.34	305.0	16.14	314.1	16.55	326.2	17.01	335.6	17.32
		82.4	237.8	10.09	257.7	12.04	280.5	14.06	305.0	15.83	314.1	16.23	326.2	16.67	335.6	16.95
		98.9	237.8	9.93	257.7	11.90	280.5	13.92	305.0	15.67	314.1	16.08	326.2	16.50	335.6	16.76
	86	26.4	237.8	13.85	257.7	16.06	280.5	18.71	305.0	21.08	314.1	21.58	326.2	22.11	335.6	22.47
		35.6	237.8	13.57	257.7	15.80	280.5	18.41	305.0	20.74	314.1	21.23	326.2	21.76	335.6	22.13
		65.9	237.8	12.45	257.7	14.78	280.5	17.23	305.0	19.37	314.1	19.87	326.2	20.39	335.6	20.80
		82.4	237.8	12.11	257.7	14.47	280.5	16.86	305.0	19.00	314.1	19.49	326.2	19.99	335.6	20.33
		98.9	237.8	11.93	257.7	14.31	280.5	16.67	305.0	18.81	314.1	19.31	326.2	19.79	335.6	20.10
	95	26.4	214.2	13.96	231.8	16.25	252.4	18.93	274.5	21.29	282.7	21.83	293.7	22.36	302.0	22.72
		35.6	214.2	13.69	231.8	15.99	252.4	18.62	274.5	20.95	282.7	21.48	293.7	22.01	302.0	22.38
		65.9	214.2	12.60	231.8	14.93	252.4	17.41	274.5	19.62	282.7	20.08	293.7	20.61	302.0	21.05
		82.4	214.2	12.26	231.8	14.62	252.4	17.04	274.5	19.21	282.7	19.71	293.7	20.21	302.0	20.55
		98.9	214.2	12.09	231.8	14.46	252.4	16.85	274.5	19.01	282.7	19.52	293.7	20.00	302.0	20.30
	104	26.4	190.2	14.76	206.2	17.13	224.4	19.97	243.9	22.46	251.3	22.99	261.0	23.55	268.4	23.98
		35.6	190.2	14.47	206.2	16.86	224.4	19.65	243.9	22.10	251.3	22.63	261.0	23.19	268.4	23.62
		65.9	190.2	13.29	206.2	15.77	224.4	18.38	243.9	20.67	251.3	21.20	261.0	21.76	268.4	22.19
		82.4	190.2	12.91	206.2	15.43	224.4	17.97	243.9	20.27	251.3	20.80	261.0	21.33	268.4	21.70
		98.9	190.2	12.73	206.2	15.26	224.4	17.77	243.9	20.07	251.3	20.59	261.0	21.11	268.4	21.45
	113	26.4	166.3	15.56	180.6	18.01	196.3	21.01	213.3	23.63	220.0	24.15	228.2	24.74	234.8	25.25
		35.6	166.3	15.24	180.6	17.72	196.3	20.67	213.3	23.25	220.0	23.78	228.2	24.37	234.8	24.86
		65.9	166.3	13.97	180.6	16.61	196.3	19.34	213.3	21.73	220.0	22.32	228.2	22.91	234.8	23.34
		82.4	166.3	13.57	180.6	16.23	196.3	18.90	213.3	21.33	220.0	21.88	228.2	22.44	234.8	22.85
		98.9	166.3	13.36	180.6	16.05	196.3	18.69	213.3	21.12	220.0	21.67	228.2	22.21	234.8	22.60
120	50	26.4	232.4	5.57	251.4	6.49	274.0	7.51	297.7	8.46	306.5	8.72	318.6	8.93	327.5	9.03
		35.6	232.4	5.45	251.4	6.38	274.0	7.40	297.7	8.33	306.5	8.57	318.6	8.78	327.5	8.90
		65.9	232.4	5.00	251.4	5.96	274.0	6.95	297.7	7.79	306.5	7.97	318.6	8.18	327.5	8.36
		82.4	232.4	4.85	251.4	5.78	274.0	6.80	297.7	7.61	306.5	7.85	318.6	8.03	327.5	8.18
		98.9	232.4	4.77	251.4	5.68	274.0	6.73	297.7	7.51	306.5	7.79	318.6	7.95	327.5	8.09
	59	26.4	229.6	7.38	248.6	8.58	270.9	9.97	294.3	11.23	303.1	11.52	314.9	11.80	323.7	11.98
		35.6	229.6	7.23	248.6	8.44	270.9	9.81	294.3	11.05	303.1	11.33	314.9	11.61	323.7	11.80
		65.9	229.6	6.64	248.6	7.88	270.9	9.19	294.3	10.34	303.1	10.59	314.9	10.86	323.7	11.08
		82.4	229.6	6.46	248.6	7.70	270.9	9.00	294.3	10.12	303.1	10.40	314.9	10.65	323.7	10.83
		98.9	229.6	6.36	248.6	7.60	270.9	8.91	294.3	10.01	303.1	10.31	314.9	10.54	323.7	10.71
	67	26.4	227.1	9.00	246.1	10.45	268.1	12.15	291.3	13.69	300.1	14.00	311.6	14.34	320.4	14.59
		35.6	227.1	8.82	246.1	10.27	268.1	11.95	291.3	13.47	300.1	13.78	311.6	14.12	320.4	14.37
		65.9	227.1	8.10	246.1	9.59	268.1	11.17	291.3	12.60	300.1	12.91	311.6	13.25	320.4	13.50
		82.4	227.1	7.88	246.1	9.41	268.1	10.96	291.3	12.35	300.1	12.66	311.6	12.98	320.4	13.19
		98.9	227.1	7.78	246.1	9.31	268.1	10.85	291.3	12.23	300.1	12.54	311.6	12.83	320.4	13.04

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

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Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	26.4	227.1	11.05	246.1	12.85	268.1	14.96	291.3	16.81	300.1	17.22	311.6	17.67	320.4	17.97
		35.6	227.1	10.83	246.1	12.63	268.1	14.71	291.3	16.55	300.1	16.95	311.6	17.38	320.4	17.69
		65.9	227.1	9.96	246.1	11.80	268.1	13.75	291.3	15.49	300.1	15.86	311.6	16.27	320.4	16.61
		82.4	227.1	9.68	246.1	11.55	268.1	13.47	291.3	15.18	300.1	15.55	311.6	15.96	320.4	16.20
		98.9	227.1	9.54	246.1	11.42	268.1	13.33	291.3	15.02	300.1	15.40	311.6	15.80	320.4	16.00
	86	26.4	227.1	13.33	246.1	15.52	268.1	18.08	291.3	20.35	300.1	20.82	311.6	21.35	320.4	21.72
		35.6	227.1	13.07	246.1	15.27	268.1	17.79	291.3	20.02	300.1	20.49	311.6	21.02	320.4	21.39
		65.9	227.1	12.04	246.1	14.28	268.1	16.61	291.3	18.72	300.1	19.18	311.6	19.68	320.4	20.05
		82.4	227.1	11.70	246.1	13.97	268.1	16.27	291.3	18.35	300.1	18.81	311.6	19.31	320.4	19.59
		98.9	227.1	11.53	246.1	13.81	268.1	16.09	291.3	18.16	300.1	18.62	311.6	19.12	320.4	19.35
	95	26.4	207.8	13.68	225.2	15.90	245.3	18.52	266.5	20.86	274.5	21.36	285.2	21.85	293.2	22.26
		35.6	207.8	13.41	225.2	15.64	245.3	18.22	266.5	20.52	274.5	21.02	285.2	21.51	293.2	21.92
		65.9	207.8	12.32	225.2	14.62	245.3	17.04	266.5	19.18	274.5	19.65	285.2	20.18	293.2	20.55
		82.4	207.8	11.98	225.2	14.31	245.3	16.70	266.5	18.81	274.5	19.28	285.2	19.77	293.2	20.08
		98.9	207.8	11.81	225.2	14.15	245.3	16.53	266.5	18.62	274.5	19.09	285.2	19.57	293.2	19.85
	104	26.4	188.6	14.72	204.3	17.10	222.4	19.94	242.0	22.43	249.1	22.97	258.8	23.53	265.9	23.96
		35.6	188.6	14.43	204.3	16.82	222.4	19.62	242.0	22.07	249.1	22.60	258.8	23.16	265.9	23.59
		65.9	188.6	13.29	204.3	15.74	222.4	18.35	242.0	20.64	249.1	21.14	258.8	21.70	265.9	22.13
		82.4	188.6	12.91	204.3	15.40	222.4	17.97	242.0	20.24	249.1	20.77	258.8	21.29	265.9	21.60
	113	26.4	169.3	15.76	183.3	18.29	199.6	21.36	217.5	24.01	223.8	24.57	232.3	25.20	238.7	25.66
		35.6	169.3	15.46	183.3	18.00	199.6	21.02	217.5	23.62	223.8	24.18	232.3	24.80	238.7	25.27
		65.9	169.3	14.25	183.3	16.86	199.6	19.65	217.5	22.10	223.8	22.63	232.3	23.22	238.7	23.72
		82.4	169.3	13.84	183.3	16.48	199.6	19.25	217.5	21.67	223.8	22.26	232.3	22.82	238.7	23.13
		98.9	169.3	13.64	183.3	16.30	199.6	19.04	217.5	21.45	223.8	22.07	232.3	22.61	238.7	22.83
110	50	26.4	219.0	5.25	237.5	6.08	258.4	7.12	280.7	7.99	288.9	8.16	300.5	8.42	308.5	8.54
		35.6	219.0	5.15	237.5	5.98	258.4	7.00	280.7	7.87	288.9	8.04	300.5	8.29	308.5	8.40
		65.9	219.0	4.73	237.5	5.59	258.4	6.52	280.7	7.36	288.9	7.57	300.5	7.75	308.5	7.87
		82.4	219.0	4.61	237.5	5.47	258.4	6.37	280.7	7.24	288.9	7.35	300.5	7.60	308.5	7.69
		98.9	219.0	4.55	237.5	5.41	258.4	6.29	280.7	7.18	288.9	7.24	300.5	7.52	308.5	7.60
	59	26.4	217.8	7.03	235.9	8.17	256.8	9.53	279.1	10.73	287.4	10.97	298.7	11.26	306.9	11.45
		35.6	217.8	6.89	235.9	8.04	256.8	9.37	279.1	10.55	287.4	10.80	298.7	11.08	306.9	11.27
		65.9	217.8	6.33	235.9	7.51	256.8	8.75	279.1	9.87	287.4	10.12	298.7	10.37	306.9	10.55
		82.4	217.8	6.18	235.9	7.36	256.8	8.57	279.1	9.68	287.4	9.90	298.7	10.18	306.9	10.31
		98.9	217.8	6.10	235.9	7.28	256.8	8.47	279.1	9.59	287.4	9.79	298.7	10.09	306.9	10.18
	67	26.4	216.7	8.62	234.5	10.04	255.5	11.67	277.8	13.16	286.0	13.47	297.0	13.78	305.6	14.03
		35.6	216.7	8.44	234.5	9.87	255.5	11.49	277.8	12.94	286.0	13.25	297.0	13.57	305.6	13.81
		65.9	216.7	7.76	234.5	9.22	255.5	10.74	277.8	12.11	286.0	12.39	297.0	12.70	305.6	12.94
		82.4	216.7	7.57	234.5	9.03	255.5	10.52	277.8	11.86	286.0	12.17	297.0	12.48	305.6	12.63
	75	26.4	216.7	7.48	234.5	8.94	255.5	10.41	277.8	11.73	286.0	12.06	297.0	12.37	305.6	12.48
		35.6	216.7	10.54	234.5	12.27	255.5	14.29	277.8	16.09	286.0	16.46	297.0	16.87	305.6	17.18
		65.9	216.7	10.34	234.5	12.08	255.5	14.06	277.8	15.83	286.0	16.20	297.0	16.61	305.6	16.92
		82.4	216.7	9.53	234.5	11.30	255.5	13.16	277.8	14.81	286.0	15.18	297.0	15.55	305.6	15.86
		98.9	216.7	9.25	234.5	11.05	255.5	12.88	277.8	14.53	286.0	14.87	297.0	15.27	305.6	15.46
	86	26.4	216.7	9.11	234.5	10.93	255.5	12.74	277.8	14.39	286.0	14.71	297.0	15.13	305.6	15.26
		35.6	216.7	12.85	234.5	14.96	255.5	17.42	277.8	19.63	286.0	20.09	297.0	20.56	305.6	20.94
		65.9	216.7	12.60	234.5	14.71	255.5	17.13	277.8	19.31	286.0	19.77	297.0	20.24	305.6	20.61
		82.4	216.7	11.61	234.5	13.75	255.5	16.02	277.8	18.04	286.0	18.50	297.0	18.97	305.6	19.31
		98.9	216.7	11.30	234.5	13.47	255.5	15.71	277.8	17.69	286.0	18.13	297.0	18.59	305.6	18.84
	95	26.4	216.7	11.14	234.5	13.33	255.5	15.55	277.8	17.52	286.0	17.94	297.0	18.41	305.6	18.61
		35.6	201.8	13.40	218.6	15.55	238.1	18.11	258.8	20.41	266.5	20.89	276.9	21.38	284.6	21.79
		65.9	201.8	13.13	218.6	15.30	238.1	17.82	258.8	20.08	266.5	20.55	276.9	21.05	284.6	21.45
		82.4	201.8	12.08	218.6	14.31	238.1	16.67	258.8	18.78	266.5	19.21	276.9	19.71	284.6	20.08
		98.9	201.8	11.73	218.6	14.00	238.1	16.33	258.8	18.41	266.5	18.87	276.9	19.34	284.6	19.59
		98.9	201.8	11.56	218.6	13.84	238.1	16.16	258.8	18.22	266.5	18.70	276.9	19.15	284.6	19.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM264DAS5



264,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	26.4	186.9	14.69	202.6	17.11	220.5	19.91	239.8	22.40	246.9	22.94	256.6	23.49	263.7	23.94
		35.6	186.9	14.40	202.6	16.82	220.5	19.59	239.8	22.04	246.9	22.57	256.6	23.13	263.7	23.56
		65.9	186.9	13.25	202.6	15.71	220.5	18.31	239.8	20.61	246.9	21.11	256.6	21.67	263.7	22.07
		82.4	186.9	12.88	202.6	15.37	220.5	17.94	239.8	20.21	246.9	20.74	256.6	21.26	263.7	21.51
		98.9	186.9	12.69	202.6	15.19	220.5	17.75	239.8	20.00	246.9	20.55	256.6	21.06	263.7	21.23
	113	26.4	172.1	15.99	186.6	18.66	202.9	21.71	220.8	24.39	227.4	24.98	236.2	25.61	242.8	26.08
		35.6	172.1	15.68	186.6	18.35	202.9	21.36	220.8	24.00	227.4	24.58	236.2	25.21	242.8	25.67
		65.9	172.1	14.43	186.6	17.10	202.9	19.96	220.8	22.44	227.4	23.00	236.2	23.62	242.8	24.06
		82.4	172.1	14.03	186.6	16.73	202.9	19.56	220.8	22.01	227.4	22.60	236.2	23.19	242.8	23.44
		98.9	172.1	13.83	186.6	16.54	202.9	19.35	220.8	21.79	227.4	22.39	236.2	22.97	242.8	23.12
100	50	26.4	205.9	4.97	223.0	5.78	242.8	6.63	264.0	7.56	272.0	7.66	282.4	7.92	290.4	8.07
		35.6	205.9	4.87	223.0	5.68	242.8	6.53	264.0	7.44	272.0	7.55	282.4	7.80	290.4	7.95
		65.9	205.9	4.48	223.0	5.28	242.8	6.15	264.0	6.96	272.0	7.11	282.4	7.29	290.4	7.44
		82.4	205.9	4.33	223.0	5.16	242.8	6.00	264.0	6.81	272.0	6.96	282.4	7.14	290.4	7.19
		98.9	205.9	4.25	223.0	5.10	242.8	5.92	264.0	6.73	272.0	6.88	282.4	7.06	290.4	7.07
	59	26.4	205.9	6.71	223.0	7.79	242.8	9.05	264.0	10.22	272.0	10.44	282.4	10.73	290.4	10.91
		35.6	205.9	6.58	223.0	7.67	242.8	8.91	264.0	10.06	272.0	10.27	282.4	10.55	290.4	10.74
		65.9	205.9	6.05	223.0	7.17	242.8	8.35	264.0	9.41	272.0	9.62	282.4	9.87	290.4	10.06
		82.4	205.9	5.87	223.0	7.02	242.8	8.16	264.0	9.22	272.0	9.44	282.4	9.68	290.4	9.78
		98.9	205.9	5.77	223.0	6.94	242.8	8.07	264.0	9.13	272.0	9.34	282.4	9.59	290.4	9.64
	67	26.4	205.9	8.27	223.0	9.59	242.8	11.20	264.0	12.59	272.0	12.91	282.4	13.22	290.4	13.44
		35.6	205.9	8.10	223.0	9.44	242.8	11.02	264.0	12.39	272.0	12.70	282.4	13.01	290.4	13.22
		65.9	205.9	7.45	223.0	8.85	242.8	10.31	264.0	11.58	272.0	11.86	282.4	12.17	290.4	12.39
		82.4	205.9	7.23	223.0	8.66	242.8	10.09	264.0	11.36	272.0	11.64	282.4	11.95	290.4	12.08
		98.9	205.9	7.12	223.0	8.57	242.8	9.98	264.0	11.25	272.0	11.53	282.4	11.84	290.4	11.92
	75	26.4	205.9	10.07	223.0	11.70	242.8	13.63	264.0	15.37	272.0	15.75	282.4	16.12	290.4	16.40
		35.6	205.9	9.87	223.0	11.52	242.8	13.41	264.0	15.12	272.0	15.49	282.4	15.86	290.4	16.14
		65.9	205.9	9.10	223.0	10.77	242.8	12.54	264.0	14.12	272.0	14.47	282.4	14.84	290.4	15.12
		82.4	205.9	8.85	223.0	10.55	242.8	12.29	264.0	13.84	272.0	14.19	282.4	14.56	290.4	14.71
		98.9	205.9	8.72	223.0	10.44	242.8	12.17	264.0	13.70	272.0	14.05	282.4	14.42	290.4	14.51
	86	26.4	205.9	12.38	223.0	14.42	242.8	16.79	264.0	18.90	272.0	19.34	282.4	19.81	290.4	20.19
		35.6	205.9	12.14	223.0	14.19	242.8	16.51	264.0	18.59	272.0	19.03	282.4	19.49	290.4	19.87
		65.9	205.9	11.17	223.0	13.25	242.8	15.43	264.0	17.38	272.0	17.79	282.4	18.25	290.4	18.59
		82.4	205.9	10.86	223.0	12.98	242.8	15.12	264.0	17.04	272.0	17.48	282.4	17.91	290.4	18.10
		98.9	205.9	10.71	223.0	12.83	242.8	14.96	264.0	16.87	272.0	17.32	282.4	17.74	290.4	17.85
	95	26.4	195.7	13.08	212.0	15.21	230.7	17.70	250.8	19.94	258.2	20.41	268.4	20.91	275.8	21.29
		35.6	195.7	12.82	212.0	14.96	230.7	17.41	250.8	19.62	258.2	20.08	268.4	20.58	275.8	20.95
		65.9	195.7	11.80	212.0	14.00	230.7	16.30	250.8	18.35	258.2	18.78	268.4	19.28	275.8	19.62
		82.4	195.7	11.49	212.0	13.69	230.7	15.96	250.8	18.00	258.2	18.44	268.4	18.90	275.8	19.09
		98.9	195.7	11.33	212.0	13.53	230.7	15.78	250.8	17.83	258.2	18.27	268.4	18.72	275.8	18.82
	104	26.4	185.3	14.70	200.7	17.07	218.6	19.88	237.6	22.37	244.7	22.90	254.4	23.47	261.2	23.87
		35.6	185.3	14.40	200.7	16.79	218.6	19.56	237.6	22.01	244.7	22.54	254.4	23.09	261.2	23.50
		65.9	185.3	13.22	200.7	15.71	218.6	18.28	237.6	20.58	244.7	21.08	254.4	21.60	261.2	22.01
		82.4	185.3	12.88	200.7	15.37	218.6	17.91	237.6	20.18	244.7	20.67	254.4	21.20	261.2	21.42
		98.9	185.3	12.71	200.7	15.19	218.6	17.72	237.6	19.97	244.7	20.47	254.4	21.00	261.2	21.12
	113	26.4	174.8	16.32	189.4	18.93	206.5	22.06	224.4	24.80	231.2	25.40	240.3	26.03	246.7	26.46
		35.6	174.8	15.99	189.4	18.62	206.5	21.70	224.4	24.40	231.2	24.99	240.3	25.61	246.7	26.04
		65.9	174.8	14.65	189.4	17.41	206.5	20.27	224.4	22.82	231.2	23.37	240.3	23.93	246.7	24.40
		82.4	174.8	14.28	189.4	17.04	206.5	19.87	224.4	22.35	231.2	22.91	240.3	23.50	246.7	23.75
		98.9	174.8	14.09	189.4	16.85	206.5	19.66	224.4	22.12	231.2	22.67	240.3	23.28	246.7	23.42
90	50	26.4	185.3	4.22	200.7	4.90	218.6	5.73	237.6	6.49	244.7	6.60	254.4	6.74	261.2	6.95
		35.6	185.3	4.15	200.7	4.83	218.6	5.64	237.6	6.39	244.7	6.51	254.4	6.65	261.2	6.84
		65.9	185.3	3.85	200.7	4.57	218.6	5.28	237.6	6.01	244.7	6.12	254.4	6.31	261.2	6.39
		82.4	185.3	3.73	200.7	4.42	218.6	5.20	237.6	5.82	244.7	6.00	254.4	6.19	261.2	6.18
		98.9	185.3	3.67	200.7	4.34	218.6	5.15	237.6	5.73	244.7	5.94	254.4	6.12	261.2	6.07

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	26.4	185.3	5.76	200.7	6.68	218.6	7.79	237.6	8.80	244.7	8.99	254.4	9.21	261.2	9.40
		35.6	185.3	5.65	200.7	6.58	218.6	7.67	237.6	8.66	244.7	8.85	254.4	9.06	261.2	9.25
		65.9	185.3	5.21	200.7	6.18	218.6	7.17	237.6	8.10	244.7	8.29	254.4	8.51	261.2	8.66
		82.4	185.3	5.06	200.7	6.02	218.6	7.05	237.6	7.92	244.7	8.13	254.4	8.35	261.2	8.41
		98.9	185.3	4.98	200.7	5.94	218.6	6.98	237.6	7.82	244.7	8.05	254.4	8.27	261.2	8.29
	67	26.4	185.3	7.13	200.7	8.27	218.6	9.62	237.6	10.86	244.7	11.11	254.4	11.39	261.2	11.57
		35.6	185.3	6.98	200.7	8.13	218.6	9.47	237.6	10.68	244.7	10.93	254.4	11.21	261.2	11.39
		65.9	185.3	6.43	200.7	7.61	218.6	8.85	237.6	9.96	244.7	10.21	254.4	10.46	261.2	10.68
		82.4	185.3	6.24	200.7	7.45	218.6	8.69	237.6	9.78	244.7	10.03	254.4	10.27	261.2	10.40
		98.9	185.3	6.15	200.7	7.37	218.6	8.61	237.6	9.68	244.7	9.93	254.4	10.18	261.2	10.26
	75	26.4	185.3	8.68	200.7	10.10	218.6	11.74	237.6	13.22	244.7	13.54	254.4	13.88	261.2	14.13
		35.6	185.3	8.51	200.7	9.93	218.6	11.55	237.6	13.01	244.7	13.32	254.4	13.66	261.2	13.91
		65.9	185.3	7.82	200.7	9.28	218.6	10.80	237.6	12.17	244.7	12.45	254.4	12.79	261.2	13.01
		82.4	185.3	7.61	200.7	9.06	218.6	10.59	237.6	11.92	244.7	12.23	254.4	12.54	261.2	12.66
		98.9	185.3	7.50	200.7	8.95	218.6	10.48	237.6	11.79	244.7	12.12	254.4	12.42	261.2	12.49
	86	26.4	185.3	10.67	200.7	12.40	218.6	14.45	237.6	16.28	244.7	16.66	254.4	17.07	261.2	17.39
		35.6	185.3	10.46	200.7	12.20	218.6	14.22	237.6	16.02	244.7	16.39	254.4	16.79	261.2	17.10
		65.9	185.3	9.62	200.7	11.39	218.6	13.29	237.6	14.96	244.7	15.33	254.4	15.71	261.2	15.99
		82.4	185.3	9.34	200.7	11.17	218.6	13.01	237.6	14.68	244.7	15.02	254.4	15.43	261.2	15.58
		98.9	185.3	9.20	200.7	11.07	218.6	12.87	237.6	14.54	244.7	14.87	254.4	15.29	261.2	15.38
	95	26.4	180.3	11.53	195.2	13.38	212.5	15.59	231.0	17.54	237.8	17.95	247.2	18.39	254.1	18.74
		35.6	180.3	11.30	195.2	13.16	212.5	15.33	231.0	17.26	237.8	17.66	247.2	18.10	254.1	18.44
		65.9	180.3	10.37	195.2	12.29	212.5	14.34	231.0	16.14	237.8	16.51	247.2	16.95	254.1	17.26
		82.4	180.3	10.09	195.2	12.04	212.5	14.03	231.0	15.83	237.8	16.23	247.2	16.64	254.1	16.79
		98.9	180.3	9.95	195.2	11.92	212.5	13.87	231.0	15.67	237.8	16.09	247.2	16.48	254.1	16.56
	104	26.4	175.1	13.24	189.7	15.37	206.5	17.88	224.4	20.16	231.2	20.63	240.1	21.13	246.9	21.51
		35.6	175.1	12.98	189.7	15.12	206.5	17.60	224.4	19.84	231.2	20.30	240.1	20.80	246.9	21.17
		65.9	175.1	11.92	189.7	14.12	206.5	16.48	224.4	18.53	231.2	19.00	240.1	19.46	246.9	19.84
		82.4	175.1	11.58	189.7	13.84	206.5	16.14	224.4	18.19	231.2	18.62	240.1	19.12	246.9	19.31
		98.9	175.1	11.41	189.7	13.70	206.5	15.97	224.4	18.02	231.2	18.44	240.1	18.95	246.9	19.04
	113	26.4	169.9	14.95	184.2	17.36	200.4	20.18	217.8	22.79	224.6	23.31	232.9	23.88	239.8	24.28
		35.6	169.9	14.65	184.2	17.07	200.4	19.87	217.8	22.41	224.6	22.94	232.9	23.50	239.8	23.90
		65.9	169.9	13.47	184.2	15.96	200.4	18.62	217.8	20.92	224.6	21.48	232.9	21.98	239.8	22.41
		82.4	169.9	13.07	184.2	15.64	200.4	18.25	217.8	20.55	224.6	21.02	232.9	21.60	239.8	21.82
		98.9	169.9	12.87	184.2	15.49	200.4	18.06	217.8	20.36	224.6	20.78	232.9	21.42	239.8	21.52
80	50	26.4	164.6	3.61	178.4	4.11	194.4	4.78	211.1	5.48	217.5	5.55	226.0	5.71	232.3	5.76
		35.6	164.6	3.53	178.4	4.06	194.4	4.71	211.1	5.38	217.5	5.46	226.0	5.61	232.3	5.67
		65.9	164.6	3.19	178.4	3.86	194.4	4.45	211.1	4.99	217.5	5.14	226.0	5.22	232.3	5.31
		82.4	164.6	3.17	178.4	3.73	194.4	4.36	211.1	4.90	217.5	4.98	226.0	5.13	232.3	5.20
		98.9	164.6	3.16	178.4	3.67	194.4	4.32	211.1	4.85	217.5	4.90	226.0	5.09	232.3	5.14
	59	26.4	164.6	4.85	178.4	5.61	194.4	6.53	211.1	7.39	217.5	7.54	226.0	7.73	232.3	7.85
		35.6	164.6	4.75	178.4	5.53	194.4	6.43	211.1	7.26	217.5	7.42	226.0	7.61	232.3	7.73
		65.9	164.6	4.35	178.4	5.18	194.4	6.02	211.1	6.77	217.5	6.95	226.0	7.11	232.3	7.23
		82.4	164.6	4.25	178.4	5.06	194.4	5.90	211.1	6.64	217.5	6.80	226.0	6.98	232.3	7.05
		98.9	164.6	4.21	178.4	5.00	194.4	5.84	211.1	6.58	217.5	6.72	226.0	6.92	232.3	6.95
	67	26.4	164.6	5.95	178.4	6.95	194.4	8.08	211.1	9.09	217.5	9.31	226.0	9.52	232.3	9.72
		35.6	164.6	5.84	178.4	6.83	194.4	7.95	211.1	8.94	217.5	9.16	226.0	9.37	232.3	9.56
		65.9	164.6	5.37	178.4	6.36	194.4	7.42	211.1	8.35	217.5	8.57	226.0	8.78	232.3	8.94
		82.4	164.6	5.21	178.4	6.24	194.4	7.26	211.1	8.19	217.5	8.41	226.0	8.63	232.3	8.69
		98.9	164.6	5.14	178.4	6.18	194.4	7.19	211.1	8.12	217.5	8.33	226.0	8.55	232.3	8.57
	75	26.4	164.6	7.29	178.4	8.46	194.4	9.84	211.1	11.07	217.5	11.36	226.0	11.64	232.3	11.83
		35.6	164.6	7.14	178.4	8.32	194.4	9.68	211.1	10.90	217.5	11.17	226.0	11.45	232.3	11.64
		65.9	164.6	6.55	178.4	7.76	194.4	9.06	211.1	10.21	217.5	10.43	226.0	10.71	232.3	10.90
		82.4	164.6	6.36	178.4	7.61	194.4	8.88	211.1	10.00	217.5	10.24	226.0	10.52	232.3	10.62
		98.9	164.6	6.27	178.4	7.53	194.4	8.78	211.1	9.89	217.5	10.15	226.0	10.43	232.3	10.48

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA

ARWM264DAS5



264,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	26.4	164.6	8.93	178.4	10.38	194.4	12.12	211.1	13.63	217.5	13.94	226.0	14.29	232.3	14.58
		35.6	164.6	8.75	178.4	10.21	194.4	11.92	211.1	13.41	217.5	13.72	226.0	14.06	232.3	14.34
		65.9	164.6	8.07	178.4	9.56	194.4	11.14	211.1	12.54	217.5	12.85	226.0	13.16	232.3	13.41
		82.4	164.6	7.85	178.4	9.34	194.4	10.90	211.1	12.29	217.5	12.60	226.0	12.91	232.3	13.07
		98.9	164.6	7.74	178.4	9.23	194.4	10.77	211.1	12.17	217.5	12.48	226.0	12.79	232.3	12.90
	95	26.4	164.6	9.94	178.4	11.55	194.4	13.44	211.1	15.14	217.5	15.52	226.0	15.90	232.3	16.18
		35.6	164.6	9.75	178.4	11.36	194.4	13.22	211.1	14.90	217.5	15.27	226.0	15.64	232.3	15.92
		65.9	164.6	8.97	178.4	10.62	194.4	12.39	211.1	13.94	217.5	14.28	226.0	14.62	232.3	14.90
		82.4	164.6	8.72	178.4	10.40	194.4	12.14	211.1	13.66	217.5	14.00	226.0	14.37	232.3	14.50
		98.9	164.6	8.60	178.4	10.29	194.4	12.01	211.1	13.52	217.5	13.86	226.0	14.25	232.3	14.29
	104	26.4	164.6	11.78	178.4	13.70	194.4	15.93	211.1	17.95	217.5	18.36	226.0	18.84	232.3	19.15
		35.6	164.6	11.55	178.4	13.47	194.4	15.68	211.1	17.66	217.5	18.07	226.0	18.53	232.3	18.84
		65.9	164.6	10.62	178.4	12.57	194.4	14.65	211.1	16.51	217.5	16.89	226.0	17.32	232.3	17.63
		82.4	164.6	10.31	178.4	12.32	194.4	14.34	211.1	16.17	217.5	16.58	226.0	17.01	232.3	17.17
		98.9	164.6	10.15	178.4	12.20	194.4	14.18	211.1	16.00	217.5	16.42	226.0	16.85	232.3	16.93
	113	26.4	164.6	13.62	178.4	15.85	194.4	18.43	211.1	20.76	217.5	21.20	226.0	21.77	232.3	22.11
		35.6	164.6	13.35	178.4	15.58	194.4	18.13	211.1	20.43	217.5	20.86	226.0	21.42	232.3	21.76
		65.9	164.6	12.26	178.4	14.53	194.4	16.92	211.1	19.09	217.5	19.49	226.0	20.02	232.3	20.36
		82.4	164.6	11.89	178.4	14.25	194.4	16.55	211.1	18.69	217.5	19.15	226.0	19.65	232.3	19.84
		98.9	164.6	11.70	178.4	14.11	194.4	16.36	211.1	18.48	217.5	18.98	226.0	19.46	232.3	19.57
70	50	26.4	144.3	2.95	156.1	3.43	170.1	3.97	184.7	4.47	190.2	4.65	197.7	4.77	203.2	4.78
		35.6	144.3	2.89	156.1	3.37	170.1	3.91	184.7	4.42	190.2	4.57	197.7	4.69	203.2	4.71
		65.9	144.3	2.69	156.1	3.13	170.1	3.67	184.7	4.18	190.2	4.27	197.7	4.39	203.2	4.45
		82.4	144.3	2.63	156.1	3.07	170.1	3.61	184.7	4.06	190.2	4.15	197.7	4.27	203.2	4.33
		98.9	144.3	2.60	156.1	3.04	170.1	3.58	184.7	4.00	190.2	4.09	197.7	4.21	203.2	4.27
	59	26.4	144.3	4.02	156.1	4.67	170.1	5.43	184.7	6.12	190.2	6.28	197.7	6.43	203.2	6.53
		35.6	144.3	3.94	156.1	4.59	170.1	5.34	184.7	6.02	190.2	6.18	197.7	6.33	203.2	6.43
		65.9	144.3	3.63	156.1	4.28	170.1	5.00	184.7	5.65	190.2	5.77	197.7	5.93	203.2	6.02
		82.4	144.3	3.54	156.1	4.19	170.1	4.90	184.7	5.53	190.2	5.65	197.7	5.80	203.2	5.87
		98.9	144.3	3.49	156.1	4.14	170.1	4.86	184.7	5.46	190.2	5.59	197.7	5.74	203.2	5.79
	67	26.4	144.3	4.98	156.1	5.77	170.1	6.72	184.7	7.58	190.2	7.73	197.7	7.92	203.2	8.08
		35.6	144.3	4.87	156.1	5.68	170.1	6.61	184.7	7.45	190.2	7.61	197.7	7.79	203.2	7.95
		65.9	144.3	4.47	156.1	5.31	170.1	6.18	184.7	6.95	190.2	7.11	197.7	7.29	203.2	7.42
		82.4	144.3	4.35	156.1	5.18	170.1	6.05	184.7	6.83	190.2	6.98	197.7	7.17	203.2	7.23
		98.9	144.3	4.28	156.1	5.12	170.1	5.99	184.7	6.77	190.2	6.92	197.7	7.11	203.2	7.14
	75	26.4	144.3	6.05	156.1	7.04	170.1	8.17	184.7	9.21	190.2	9.43	197.7	9.65	203.2	9.84
		35.6	144.3	5.93	156.1	6.92	170.1	8.04	184.7	9.06	190.2	9.28	197.7	9.50	203.2	9.68
		65.9	144.3	5.46	156.1	6.46	170.1	7.54	184.7	8.47	190.2	8.69	197.7	8.91	203.2	9.06
		82.4	144.3	5.31	156.1	6.33	170.1	7.39	184.7	8.32	190.2	8.51	197.7	8.72	203.2	8.82
		98.9	144.3	5.23	156.1	6.27	170.1	7.31	184.7	8.24	190.2	8.41	197.7	8.63	203.2	8.69
	86	26.4	144.3	7.44	156.1	8.65	170.1	10.07	184.7	11.32	190.2	11.61	197.7	11.89	203.2	12.12
		35.6	144.3	7.29	156.1	8.51	170.1	9.90	184.7	11.14	190.2	11.42	197.7	11.70	203.2	11.92
		65.9	144.3	6.70	156.1	7.95	170.1	9.25	184.7	10.43	190.2	10.68	197.7	10.96	203.2	11.14
		82.4	144.3	6.52	156.1	7.79	170.1	9.06	184.7	10.21	190.2	10.49	197.7	10.74	203.2	10.86
		98.9	144.3	6.42	156.1	7.71	170.1	8.97	184.7	10.10	190.2	10.40	197.7	10.63	203.2	10.72
	95	26.4	144.3	8.27	156.1	9.59	170.1	11.21	184.7	12.59	190.2	12.91	197.7	13.22	203.2	13.44
		35.6	144.3	8.10	156.1	9.44	170.1	11.02	184.7	12.39	190.2	12.70	197.7	13.01	203.2	13.22
		65.9	144.3	7.45	156.1	8.85	170.1	10.27	184.7	11.58	190.2	11.86	197.7	12.17	203.2	12.39
		82.4	144.3	7.23	156.1	8.63	170.1	10.09	184.7	11.36	190.2	11.64	197.7	11.95	203.2	12.08
		98.9	144.3	7.12	156.1	8.52	170.1	9.99	184.7	11.25	190.2	11.53	197.7	11.84	203.2	11.92
	104	26.4	144.3	9.79	156.1	11.36	170.1	13.25	184.7	14.93	190.2	15.27	197.7	15.65	203.2	15.93
		35.6	144.3	9.59	156.1	11.17	170.1	13.04	184.7	14.68	190.2	15.02	197.7	15.40	203.2	15.68
		65.9	144.3	8.82	156.1	10.46	170.1	12.20	184.7	13.72	190.2	14.06	197.7	14.40	203.2	14.68
		82.4	144.3	8.57	156.1	10.24	170.1	11.92	184.7	13.44	190.2	13.78	197.7	14.15	203.2	14.28
		98.9	144.3	8.44	156.1	10.13	170.1	11.78	184.7	13.30	190.2	13.64	197.7	14.03	203.2	14.08

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	26.4	144.3	11.31	156.1	13.12	170.1	15.29	184.7	17.26	190.2	17.63	197.7	18.08	203.2	18.42
		35.6	144.3	11.08	156.1	12.91	170.1	15.06	184.7	16.98	190.2	17.35	197.7	17.79	203.2	18.13
		65.9	144.3	10.18	156.1	12.08	170.1	14.12	184.7	15.86	190.2	16.27	197.7	16.64	203.2	16.98
		82.4	144.3	9.90	156.1	11.86	170.1	13.75	184.7	15.52	190.2	15.92	197.7	16.36	203.2	16.48
		98.9	144.3	9.76	156.1	11.75	170.1	13.56	184.7	15.35	190.2	15.75	197.7	16.22	203.2	16.23
60	50	26.4	123.6	2.34	133.8	2.73	145.6	3.14	158.3	3.62	163.2	3.71	169.6	3.75	174.3	3.81
		35.6	123.6	2.30	133.8	2.69	145.6	3.10	158.3	3.55	163.2	3.64	169.6	3.70	174.3	3.76
		65.9	123.6	2.12	133.8	2.51	145.6	2.96	158.3	3.31	163.2	3.37	169.6	3.50	174.3	3.55
		82.4	123.6	2.03	133.8	2.48	145.6	2.90	158.3	3.26	163.2	3.31	169.6	3.40	174.3	3.46
		98.9	123.6	1.98	133.8	2.47	145.6	2.87	158.3	3.23	163.2	3.28	169.6	3.36	174.3	3.42
	59	26.4	123.6	3.20	133.8	3.73	145.6	4.32	158.3	4.89	163.2	5.02	169.6	5.11	174.3	5.20
		35.6	123.6	3.14	133.8	3.66	145.6	4.25	158.3	4.81	163.2	4.94	169.6	5.03	174.3	5.12
		65.9	123.6	2.89	133.8	3.41	145.6	4.00	158.3	4.50	163.2	4.59	169.6	4.72	174.3	4.81
		82.4	123.6	2.79	133.8	3.35	145.6	3.91	158.3	4.41	163.2	4.50	169.6	4.63	174.3	4.69
		98.9	123.6	2.75	133.8	3.32	145.6	3.86	158.3	4.36	163.2	4.45	169.6	4.58	174.3	4.62
	67	26.4	123.6	3.96	133.8	4.61	145.6	5.36	158.3	6.02	163.2	6.19	169.6	6.31	174.3	6.43
		35.6	123.6	3.88	133.8	4.53	145.6	5.28	158.3	5.93	163.2	6.08	169.6	6.21	174.3	6.33
		65.9	123.6	3.57	133.8	4.22	145.6	4.94	158.3	5.56	163.2	5.68	169.6	5.80	174.3	5.93
		82.4	123.6	3.48	133.8	4.13	145.6	4.81	158.3	5.43	163.2	5.56	169.6	5.71	174.3	5.77
		98.9	123.6	3.43	133.8	4.08	145.6	4.75	158.3	5.37	163.2	5.49	169.6	5.66	174.3	5.70
	75	26.4	123.6	4.81	133.8	5.62	145.6	6.54	158.3	7.35	163.2	7.51	169.6	7.69	174.3	7.85
		35.6	123.6	4.72	133.8	5.53	145.6	6.43	158.3	7.23	163.2	7.39	169.6	7.57	174.3	7.73
		65.9	123.6	4.35	133.8	5.15	145.6	5.99	158.3	6.77	163.2	6.92	169.6	7.11	174.3	7.23
		82.4	123.6	4.22	133.8	5.03	145.6	5.87	158.3	6.61	163.2	6.80	169.6	6.95	174.3	7.05
		98.9	123.6	4.16	133.8	4.97	145.6	5.80	158.3	6.53	163.2	6.74	169.6	6.88	174.3	6.95
	86	26.4	123.6	5.92	133.8	6.88	145.6	8.01	158.3	9.02	163.2	9.24	169.6	9.46	174.3	9.66
		35.6	123.6	5.80	133.8	6.77	145.6	7.88	158.3	8.88	163.2	9.10	169.6	9.31	174.3	9.50
		65.9	123.6	5.34	133.8	6.33	145.6	7.39	158.3	8.32	163.2	8.51	169.6	8.72	174.3	8.88
		82.4	123.6	5.18	133.8	6.21	145.6	7.23	158.3	8.16	163.2	8.35	169.6	8.57	174.3	8.66
		98.9	123.6	5.11	133.8	6.15	145.6	7.15	158.3	8.09	163.2	8.27	169.6	8.49	174.3	8.55
	95	26.4	123.6	6.59	133.8	7.67	145.6	8.93	158.3	10.03	163.2	10.28	169.6	10.54	174.3	10.73
		35.6	123.6	6.46	133.8	7.54	145.6	8.78	158.3	9.87	163.2	10.12	169.6	10.37	174.3	10.55
		65.9	123.6	5.93	133.8	7.05	145.6	8.19	158.3	9.25	163.2	9.47	169.6	9.68	174.3	9.87
		82.4	123.6	5.77	133.8	6.89	145.6	8.04	158.3	9.06	163.2	9.28	169.6	9.53	174.3	9.62
		98.9	123.6	5.70	133.8	6.81	145.6	7.96	158.3	8.97	163.2	9.19	169.6	9.45	174.3	9.50
	104	26.4	123.6	7.79	133.8	9.05	145.6	10.57	158.3	11.90	163.2	12.18	169.6	12.46	174.3	12.71
		35.6	123.6	7.64	133.8	8.91	145.6	10.40	158.3	11.70	163.2	11.98	169.6	12.26	174.3	12.51
		65.9	123.6	7.05	133.8	8.35	145.6	9.72	158.3	10.93	163.2	11.21	169.6	11.49	174.3	11.70
		82.4	123.6	6.83	133.8	8.16	145.6	9.53	158.3	10.71	163.2	10.99	169.6	11.27	174.3	11.39
		98.9	123.6	6.72	133.8	8.07	145.6	9.44	158.3	10.60	163.2	10.88	169.6	11.16	174.3	11.24
	113	26.4	123.6	8.98	133.8	10.43	145.6	12.21	158.3	13.77	163.2	14.07	169.6	14.37	174.3	14.70
		35.6	123.6	8.82	133.8	10.27	145.6	12.01	158.3	13.53	163.2	13.84	169.6	14.15	174.3	14.47
		65.9	123.6	8.16	133.8	9.65	145.6	11.24	158.3	12.60	163.2	12.94	169.6	13.29	174.3	13.53
		82.4	123.6	7.88	133.8	9.44	145.6	11.02	158.3	12.35	163.2	12.70	169.6	13.01	174.3	13.16
		98.9	123.6	7.74	133.8	9.33	145.6	10.91	158.3	12.23	163.2	12.57	169.6	12.87	174.3	12.97
50	50	26.4	103.0	1.74	111.5	2.03	121.4	2.44	132.1	2.66	136.0	2.71	141.2	2.83	145.1	2.85
		35.6	103.0	1.70	111.5	2.00	121.4	2.39	132.1	2.63	136.0	2.69	141.2	2.78	145.1	2.81
		65.9	103.0	1.55	111.5	1.88	121.4	2.21	132.1	2.48	136.0	2.57	141.2	2.56	145.1	2.63
		82.4	103.0	1.52	111.5	1.89	121.4	2.15	132.1	2.42	136.0	2.44	141.2	2.54	145.1	2.53
		98.9	103.0	1.51	111.5	1.89	121.4	2.12	132.1	2.39	136.0	2.38	141.2	2.52	145.1	2.49
	59	26.4	103.0	2.38	111.5	2.78	121.4	3.25	132.1	3.62	136.0	3.72	141.2	3.82	145.1	3.88
		35.6	103.0	2.33	111.5	2.73	121.4	3.20	132.1	3.57	136.0	3.66	141.2	3.76	145.1	3.82
		65.9	103.0	2.14	111.5	2.55	121.4	2.98	132.1	3.35	136.0	3.45	141.2	3.51	145.1	3.57
		82.4	103.0	2.08	111.5	2.51	121.4	2.92	132.1	3.29	136.0	3.35	141.2	3.45	145.1	3.48
		98.9	103.0	2.05	111.5	2.50	121.4	2.89	132.1	3.26	136.0	3.31	141.2	3.41	145.1	3.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM264DAS5

264,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	67	26.4	103.0	2.94	111.5	3.45	121.4	3.97	132.1	4.48	136.0	4.61	141.2	4.70	145.1	4.80
		35.6	103.0	2.89	111.5	3.38	121.4	3.91	132.1	4.41	136.0	4.53	141.2	4.63	145.1	4.72
		65.9	103.0	2.67	111.5	3.14	121.4	3.66	132.1	4.13	136.0	4.22	141.2	4.35	145.1	4.41
		82.4	103.0	2.58	111.5	3.07	121.4	3.60	132.1	4.07	136.0	4.16	141.2	4.25	145.1	4.31
		98.9	103.0	2.53	111.5	3.04	121.4	3.57	132.1	4.04	136.0	4.13	141.2	4.21	145.1	4.27
	75	26.4	103.0	3.58	111.5	4.16	121.4	4.86	132.1	5.50	136.0	5.62	141.2	5.74	145.1	5.83
		35.6	103.0	3.51	111.5	4.10	121.4	4.78	132.1	5.40	136.0	5.53	141.2	5.65	145.1	5.74
		65.9	103.0	3.23	111.5	3.85	121.4	4.47	132.1	5.03	136.0	5.15	141.2	5.28	145.1	5.40
		82.4	103.0	3.14	111.5	3.76	121.4	4.38	132.1	4.94	136.0	5.06	141.2	5.18	145.1	5.25
		98.9	103.0	3.09	111.5	3.71	121.4	4.33	132.1	4.89	136.0	5.01	141.2	5.14	145.1	5.17
	86	26.4	103.0	4.44	111.5	5.15	121.4	6.00	132.1	6.75	136.0	6.92	141.2	7.06	145.1	7.20
		35.6	103.0	4.35	111.5	5.06	121.4	5.90	132.1	6.64	136.0	6.80	141.2	6.95	145.1	7.08
		65.9	103.0	3.97	111.5	4.72	121.4	5.49	132.1	6.21	136.0	6.33	141.2	6.52	145.1	6.61
		82.4	103.0	3.88	111.5	4.63	121.4	5.40	132.1	6.08	136.0	6.24	141.2	6.39	145.1	6.46
		98.9	103.0	3.83	111.5	4.58	121.4	5.35	132.1	6.02	136.0	6.19	141.2	6.33	145.1	6.38
	95	26.4	103.0	4.91	111.5	5.71	121.4	6.66	132.1	7.47	136.0	7.67	141.2	7.85	145.1	7.98
		35.6	103.0	4.81	111.5	5.62	121.4	6.55	132.1	7.36	136.0	7.54	141.2	7.73	145.1	7.85
		65.9	103.0	4.44	111.5	5.25	121.4	6.12	132.1	6.89	136.0	7.05	141.2	7.23	145.1	7.36
		82.4	103.0	4.31	111.5	5.15	121.4	5.99	132.1	6.77	136.0	6.92	141.2	7.11	145.1	7.17
		98.9	103.0	4.25	111.5	5.11	121.4	5.93	132.1	6.70	136.0	6.86	141.2	7.05	145.1	7.08
	104	26.4	103.0	5.83	111.5	6.75	121.4	7.89	132.1	8.86	136.0	9.09	141.2	9.31	145.1	9.46
		35.6	103.0	5.71	111.5	6.64	121.4	7.76	132.1	8.72	136.0	8.94	141.2	9.16	145.1	9.31
		65.9	103.0	5.25	111.5	6.21	121.4	7.23	132.1	8.16	136.0	8.35	141.2	8.57	145.1	8.72
		82.4	103.0	5.09	111.5	6.08	121.4	7.11	132.1	8.01	136.0	8.19	141.2	8.41	145.1	8.47
		98.9	103.0	5.01	111.5	6.02	121.4	7.05	132.1	7.93	136.0	8.12	141.2	8.33	145.1	8.35
	113	26.4	103.0	6.75	111.5	7.79	121.4	9.13	132.1	10.25	136.0	10.51	141.2	10.76	145.1	10.94
		35.6	103.0	6.61	111.5	7.67	121.4	8.97	132.1	10.09	136.0	10.34	141.2	10.59	145.1	10.77
		65.9	103.0	6.05	111.5	7.17	121.4	8.35	132.1	9.44	136.0	9.65	141.2	9.90	145.1	10.09
		82.4	103.0	5.87	111.5	7.02	121.4	8.23	132.1	9.25	136.0	9.47	141.2	9.72	145.1	9.78
		98.9	103.0	5.77	111.5	6.94	121.4	8.16	132.1	9.16	136.0	9.37	141.2	9.62	145.1	9.62

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	50	28.4	267.5	6.34	289.7	7.44	315.3	8.66	342.6	9.71	353.1	9.93	367.0	10.26	377.2	10.40
		35.5	267.5	6.23	289.7	7.31	315.3	8.52	342.6	9.56	353.1	9.79	367.0	10.09	377.2	10.25
		71.0	267.5	5.78	289.7	6.78	315.3	7.92	342.6	8.94	353.1	9.20	367.0	9.39	377.2	9.63
		88.8	267.5	5.61	289.7	6.69	315.3	7.80	342.6	8.74	353.1	9.01	367.0	9.23	377.2	9.36
		106.5	267.5	5.53	289.7	6.64	315.3	7.73	342.6	8.64	353.1	8.91	367.0	9.15	377.2	9.23
	59	28.4	263.1	8.37	285.0	9.75	310.2	11.36	337.2	12.76	347.4	13.07	360.9	13.41	371.1	13.64
		35.5	263.1	8.20	285.0	9.59	310.2	11.17	337.2	12.56	347.4	12.86	360.9	13.20	371.1	13.44
		71.0	263.1	7.56	285.0	8.95	310.2	10.43	337.2	11.75	347.4	12.05	360.9	12.36	371.1	12.63
		88.8	263.1	7.36	285.0	8.78	310.2	10.23	337.2	11.51	347.4	11.82	360.9	12.12	371.1	12.32
		106.5	263.1	7.26	285.0	8.69	310.2	10.13	337.2	11.39	347.4	11.70	360.9	12.00	371.1	12.17
	67	28.4	259.2	10.16	280.8	11.80	305.7	13.76	332.4	15.47	342.3	15.85	355.5	16.22	365.7	16.52
		35.5	259.2	9.96	280.8	11.61	305.7	13.54	332.4	15.23	342.3	15.60	355.5	15.97	365.7	16.27
		71.0	259.2	9.15	280.8	10.87	305.7	12.66	332.4	14.25	342.3	14.58	355.5	14.99	365.7	15.29
		88.8	259.2	8.91	280.8	10.63	305.7	12.39	332.4	13.98	342.3	14.31	355.5	14.68	365.7	14.96
		106.5	259.2	8.79	280.8	10.51	305.7	12.25	332.4	13.84	342.3	14.18	355.5	14.53	365.7	14.78
	75	28.4	259.2	12.54	280.8	14.54	305.7	16.95	332.4	19.12	342.3	19.56	355.5	20.02	365.7	20.36
		35.5	259.2	12.29	280.8	14.31	305.7	16.68	332.4	18.80	342.3	19.24	355.5	19.72	365.7	20.05
		71.0	259.2	11.31	280.8	13.40	305.7	15.60	332.4	17.55	342.3	17.99	355.5	18.50	365.7	18.84
		88.8	259.2	10.97	280.8	13.10	305.7	15.29	332.4	17.22	342.3	17.66	355.5	18.13	365.7	18.43
		106.5	259.2	10.80	280.8	12.95	305.7	15.14	332.4	17.05	342.3	17.49	355.5	17.94	365.7	18.23
	86	28.4	259.2	15.06	280.8	17.46	305.7	20.34	332.4	22.93	342.3	23.47	355.5	24.04	365.7	24.44
		35.5	259.2	14.75	280.8	17.18	305.7	20.02	332.4	22.55	342.3	23.09	355.5	23.66	365.7	24.07
		71.0	259.2	13.54	280.8	16.07	305.7	18.74	332.4	21.07	342.3	21.61	355.5	22.18	365.7	22.62
		88.8	259.2	13.17	280.8	15.73	305.7	18.33	332.4	20.66	342.3	21.20	355.5	21.74	365.7	22.11
		106.5	259.2	12.98	280.8	15.56	305.7	18.13	332.4	20.46	342.3	21.00	355.5	21.52	365.7	21.86
	95	28.4	233.4	15.19	252.6	17.68	275.1	20.59	299.1	23.15	308.1	23.74	320.1	24.32	329.1	24.71
		35.5	233.4	14.89	252.6	17.39	275.1	20.26	299.1	22.79	308.1	23.36	320.1	23.93	329.1	24.34
		71.0	233.4	13.71	252.6	16.24	275.1	18.94	299.1	21.34	308.1	21.84	320.1	22.42	329.1	22.89
		88.8	233.4	13.33	252.6	15.90	275.1	18.53	299.1	20.90	308.1	21.44	320.1	21.98	329.1	22.35
		106.5	233.4	13.15	252.6	15.73	275.1	18.33	299.1	20.68	308.1	21.23	320.1	21.76	329.1	22.08
	104	28.4	207.3	16.06	224.7	18.63	244.5	21.72	265.8	24.43	273.9	25.00	284.4	25.61	292.5	26.08
		35.5	207.3	15.73	224.7	18.33	244.5	21.37	265.8	24.04	273.9	24.61	284.4	25.22	292.5	25.69
		71.0	207.3	14.45	224.7	17.15	244.5	19.99	265.8	22.48	273.9	23.06	284.4	23.66	292.5	24.14
		88.8	207.3	14.04	224.7	16.78	244.5	19.55	265.8	22.04	273.9	22.62	284.4	23.19	292.5	23.60
		106.5	207.3	13.84	224.7	16.59	244.5	19.33	265.8	21.82	273.9	22.40	284.4	22.95	292.5	23.33
	113	28.4	181.2	16.93	196.8	19.58	213.9	22.85	232.5	25.70	239.7	26.26	248.7	26.90	255.9	27.46
		35.5	181.2	16.58	196.8	19.28	213.9	22.48	232.5	25.29	239.7	25.86	248.7	26.50	255.9	27.04
		71.0	181.2	15.19	196.8	18.06	213.9	21.03	232.5	23.63	239.7	24.27	248.7	24.91	255.9	25.39
		88.8	181.2	14.75	196.8	17.66	213.9	20.56	232.5	23.19	239.7	23.80	248.7	24.41	255.9	24.85
		106.5	181.2	14.53	196.8	17.45	213.9	20.32	232.5	22.97	239.7	23.56	248.7	24.15	255.9	24.57
120	50	28.4	253.2	6.05	273.9	7.06	298.6	8.17	324.4	9.20	334.0	9.49	347.3	9.72	356.9	9.82
		35.5	253.2	5.93	273.9	6.94	298.6	8.05	324.4	9.06	334.0	9.32	347.3	9.55	356.9	9.68
		71.0	253.2	5.44	273.9	6.49	298.6	7.56	324.4	8.47	334.0	8.66	347.3	8.89	356.9	9.09
		88.8	253.2	5.27	273.9	6.28	298.6	7.40	324.4	8.27	334.0	8.54	347.3	8.73	356.9	8.90
		106.5	253.2	5.19	273.9	6.18	298.6	7.31	324.4	8.17	334.0	8.47	347.3	8.65	356.9	8.80
	59	28.4	250.2	8.03	270.9	9.34	295.2	10.84	320.7	12.21	330.3	12.53	343.2	12.83	352.8	13.02
		35.5	250.2	7.87	270.9	9.18	295.2	10.67	320.7	12.02	330.3	12.32	343.2	12.63	352.8	12.83
		71.0	250.2	7.22	270.9	8.57	295.2	9.99	320.7	11.24	330.3	11.51	343.2	11.82	352.8	12.05
		88.8	250.2	7.02	270.9	8.37	295.2	9.79	320.7	11.01	330.3	11.31	343.2	11.58	352.8	11.78
		106.5	250.2	6.92	270.9	8.27	295.2	9.69	320.7	10.89	330.3	11.21	343.2	11.46	352.8	11.65
	67	28.4	247.5	9.78	268.2	11.36	292.2	13.21	317.4	14.89	327.0	15.23	339.6	15.60	349.2	15.87
		35.5	247.5	9.59	268.2	11.17	292.2	13.00	317.4	14.65	327.0	14.99	339.6	15.36	349.2	15.63
		71.0	247.5	8.81	268.2	10.43	292.2	12.15	317.4	13.71	327.0	14.04	339.6	14.41	349.2	14.68
		88.8	247.5	8.57	268.2	10.23	292.2	11.92	317.4	13.44	327.0	13.77	339.6	14.11	349.2	14.35
		106.5	247.5	8.46	268.2	10.13	292.2	11.80	317.4	13.30	327.0	13.64	339.6	13.96	349.2	14.18

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM288DAS5

288,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	28.4	247.5	12.02	268.2	13.97	292.2	16.27	317.4	18.28	327.0	18.73	339.6	19.21	349.2	19.54
		35.5	247.5	11.78	268.2	13.74	292.2	16.00	317.4	17.99	327.0	18.43	339.6	18.90	349.2	19.24
		71.0	247.5	10.84	268.2	12.83	292.2	14.96	317.4	16.85	327.0	17.25	339.6	17.69	349.2	18.06
		88.8	247.5	10.53	268.2	12.56	292.2	14.65	317.4	16.51	327.0	16.91	339.6	17.35	349.2	17.62
		106.5	247.5	10.38	268.2	12.42	292.2	14.50	317.4	16.34	327.0	16.74	339.6	17.18	349.2	17.40
	86	28.4	247.5	14.49	268.2	16.88	292.2	19.67	317.4	22.13	327.0	22.64	339.6	23.22	349.2	23.63
		35.5	247.5	14.21	268.2	16.61	292.2	19.34	317.4	21.77	327.0	22.28	339.6	22.85	349.2	23.26
		71.0	247.5	13.10	268.2	15.53	292.2	18.06	317.4	20.36	327.0	20.86	339.6	21.40	349.2	21.81
		88.8	247.5	12.73	268.2	15.19	292.2	17.69	317.4	19.95	327.0	20.46	339.6	21.00	349.2	21.30
		106.5	247.5	12.54	268.2	15.02	292.2	17.50	317.4	19.75	327.0	20.25	339.6	20.79	349.2	21.05
	95	28.4	226.5	14.88	245.4	17.30	267.3	20.14	290.4	22.68	299.1	23.23	310.8	23.76	319.5	24.21
		35.5	226.5	14.58	245.4	17.01	267.3	19.82	290.4	22.31	299.1	22.85	310.8	23.39	319.5	23.83
		71.0	226.5	13.40	245.4	15.90	267.3	18.53	290.4	20.86	299.1	21.37	310.8	21.94	319.5	22.35
		88.8	226.5	13.03	245.4	15.56	267.3	18.16	290.4	20.46	299.1	20.96	310.8	21.50	319.5	21.84
		106.5	226.5	12.84	245.4	15.39	267.3	17.97	290.4	20.25	299.1	20.76	310.8	21.28	319.5	21.59
	104	28.4	205.5	16.01	222.6	18.60	242.4	21.69	263.7	24.39	271.5	24.98	282.0	25.58	289.8	26.06
		35.5	205.5	15.70	222.6	18.30	242.4	21.34	263.7	24.00	271.5	24.58	282.0	25.18	289.8	25.66
		71.0	205.5	14.45	222.6	17.12	242.4	19.95	263.7	22.45	271.5	22.99	282.0	23.60	289.8	24.07
		88.8	205.5	14.04	222.6	16.74	242.4	19.55	263.7	22.01	271.5	22.58	282.0	23.16	289.8	23.50
		106.5	205.5	13.84	222.6	16.56	242.4	19.34	263.7	21.79	271.5	22.38	282.0	22.94	289.8	23.21
	113	28.4	184.5	17.14	199.8	19.90	217.5	23.23	237.0	26.11	243.9	26.72	253.2	27.41	260.1	27.91
		35.5	184.5	16.81	199.8	19.58	217.5	22.85	237.0	25.69	243.9	26.30	253.2	26.97	260.1	27.48
		71.0	184.5	15.50	199.8	18.33	217.5	21.37	237.0	24.04	243.9	24.61	253.2	25.25	260.1	25.79
		88.8	184.5	15.06	199.8	17.93	217.5	20.93	237.0	23.56	243.9	24.20	253.2	24.81	260.1	25.15
		106.5	184.5	14.84	199.8	17.72	217.5	20.71	237.0	23.33	243.9	24.00	253.2	24.59	260.1	24.83
110	50	28.4	238.7	5.71	258.8	6.61	281.6	7.74	305.9	8.69	314.9	8.88	327.5	9.16	336.2	9.29
		35.5	238.7	5.60	258.8	6.50	281.6	7.61	305.9	8.55	314.9	8.75	327.5	9.01	336.2	9.14
		71.0	238.7	5.14	258.8	6.08	281.6	7.09	305.9	8.00	314.9	8.23	327.5	8.43	336.2	8.55
		88.8	238.7	5.01	258.8	5.95	281.6	6.92	305.9	7.87	314.9	8.00	327.5	8.26	336.2	8.36
		106.5	238.7	4.94	258.8	5.88	281.6	6.84	305.9	7.81	314.9	7.88	327.5	8.18	336.2	8.26
	59	28.4	237.3	7.65	257.1	8.89	279.9	10.37	304.2	11.67	313.2	11.94	325.5	12.25	334.5	12.45
		35.5	237.3	7.49	257.1	8.74	279.9	10.20	304.2	11.48	313.2	11.75	325.5	12.05	334.5	12.25
		71.0	237.3	6.89	257.1	8.17	279.9	9.52	304.2	10.74	313.2	11.01	325.5	11.28	334.5	11.48
		88.8	237.3	6.72	257.1	8.00	279.9	9.32	304.2	10.53	313.2	10.77	325.5	11.07	334.5	11.21
		106.5	237.3	6.63	257.1	7.92	279.9	9.22	304.2	10.43	313.2	10.65	325.5	10.97	334.5	11.07
	67	28.4	236.1	9.37	255.6	10.91	278.4	12.70	302.7	14.31	311.7	14.65	323.7	14.99	333.0	15.26
		35.5	236.1	9.18	255.6	10.74	278.4	12.49	302.7	14.08	311.7	14.41	323.7	14.75	333.0	15.02
		71.0	236.1	8.44	255.6	10.03	278.4	11.68	302.7	13.17	311.7	13.47	323.7	13.81	333.0	14.08
		88.8	236.1	8.24	255.6	9.82	278.4	11.44	302.7	12.90	311.7	13.23	323.7	13.57	333.0	13.74
		106.5	236.1	8.14	255.6	9.72	278.4	11.33	302.7	12.76	311.7	13.11	323.7	13.45	333.0	13.57
	75	28.4	236.1	11.46	255.6	13.35	278.4	15.54	302.7	17.50	311.7	17.90	323.7	18.35	333.0	18.69
		35.5	236.1	11.24	255.6	13.13	278.4	15.29	302.7	17.22	311.7	17.62	323.7	18.06	333.0	18.40
		71.0	236.1	10.36	255.6	12.29	278.4	14.31	302.7	16.10	311.7	16.51	323.7	16.91	333.0	17.25
		88.8	236.1	10.06	255.6	12.02	278.4	14.01	302.7	15.80	311.7	16.17	323.7	16.61	333.0	16.81
		106.5	236.1	9.91	255.6	11.88	278.4	13.86	302.7	15.65	311.7	16.00	323.7	16.46	333.0	16.59
	86	28.4	236.1	13.98	255.6	16.27	278.4	18.94	302.7	21.35	311.7	21.85	323.7	22.36	333.0	22.77
		35.5	236.1	13.71	255.6	16.00	278.4	18.63	302.7	21.00	311.7	21.50	323.7	22.01	333.0	22.42
		71.0	236.1	12.63	255.6	14.96	278.4	17.42	302.7	19.61	311.7	20.12	323.7	20.63	333.0	21.00
		88.8	236.1	12.29	255.6	14.65	278.4	17.08	302.7	19.24	311.7	19.72	323.7	20.22	333.0	20.49
		106.5	236.1	12.12	255.6	14.50	278.4	16.91	302.7	19.06	311.7	19.51	323.7	20.02	333.0	20.24
	95	28.4	219.9	14.57	238.2	16.92	259.5	19.69	282.0	22.20	290.4	22.71	301.8	23.25	310.2	23.70
		35.5	219.9	14.28	238.2	16.64	259.5	19.38	282.0	21.84	290.4	22.35	301.8	22.89	310.2	23.33
		71.0	219.9	13.13	238.2	15.56	259.5	18.13	282.0	20.42	290.4	20.90	301.8	21.44	310.2	21.84
		88.8	219.9	12.76	238.2	15.23	259.5	17.76	282.0	20.02	290.4	20.53	301.8	21.03	310.2	21.30
		106.5	219.9	12.57	238.2	15.05	259.5	17.57	282.0	19.81	290.4	20.34	301.8	20.83	310.2	21.03

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	28.4	203.7	15.98	220.8	18.60	240.3	21.65	261.3	24.36	269.1	24.94	279.6	25.55	287.4	26.03
		35.5	203.7	15.66	220.8	18.30	240.3	21.30	261.3	23.97	269.1	24.54	279.6	25.15	287.4	25.62
		71.0	203.7	14.41	220.8	17.08	240.3	19.92	261.3	22.42	269.1	22.96	279.6	23.56	287.4	24.00
		88.8	203.7	14.01	220.8	16.71	240.3	19.51	261.3	21.98	269.1	22.55	279.6	23.12	287.4	23.39
		106.5	203.7	13.81	220.8	16.52	240.3	19.31	261.3	21.76	269.1	22.35	279.6	22.90	287.4	23.09
	113	28.4	187.5	17.39	203.4	20.29	221.1	23.61	240.6	26.52	247.8	27.17	257.4	27.85	264.6	28.36
		35.5	187.5	17.05	203.4	19.95	221.1	23.23	240.6	26.10	247.8	26.74	257.4	27.41	264.6	27.92
		71.0	187.5	15.70	203.4	18.60	221.1	21.71	240.6	24.41	247.8	25.02	257.4	25.69	264.6	26.16
		88.8	187.5	15.26	203.4	18.20	221.1	21.27	240.6	23.93	247.8	24.58	257.4	25.22	264.6	25.49
		106.5	187.5	15.04	203.4	17.99	221.1	21.05	240.6	23.70	247.8	24.36	257.4	24.98	264.6	25.15
100	50	28.4	224.4	5.40	243.0	6.28	264.6	7.21	287.7	8.22	296.4	8.33	307.8	8.62	316.5	8.78
		35.5	224.4	5.30	243.0	6.17	264.6	7.11	287.7	8.09	296.4	8.21	307.8	8.48	316.5	8.64
		71.0	224.4	4.87	243.0	5.75	264.6	6.69	287.7	7.57	296.4	7.73	307.8	7.92	316.5	8.09
		88.8	224.4	4.71	243.0	5.62	264.6	6.52	287.7	7.41	296.4	7.57	307.8	7.76	316.5	7.82
		106.5	224.4	4.63	243.0	5.55	264.6	6.44	287.7	7.32	296.4	7.48	307.8	7.68	316.5	7.69
	59	28.4	224.4	7.30	243.0	8.47	264.6	9.84	287.7	11.12	296.4	11.35	307.8	11.67	316.5	11.87
		35.5	224.4	7.16	243.0	8.34	264.6	9.69	287.7	10.94	296.4	11.17	307.8	11.48	316.5	11.68
		71.0	224.4	6.58	243.0	7.80	264.6	9.08	287.7	10.23	296.4	10.47	307.8	10.74	316.5	10.94
		88.8	224.4	6.38	243.0	7.63	264.6	8.88	287.7	10.03	296.4	10.26	307.8	10.53	316.5	10.63
		106.5	224.4	6.28	243.0	7.54	264.6	8.78	287.7	9.92	296.4	10.16	307.8	10.43	316.5	10.48
	67	28.4	224.4	8.99	243.0	10.42	264.6	12.18	287.7	13.69	296.4	14.04	307.8	14.38	316.5	14.61
		35.5	224.4	8.81	243.0	10.26	264.6	11.98	287.7	13.47	296.4	13.81	307.8	14.14	316.5	14.38
		71.0	224.4	8.10	243.0	9.62	264.6	11.21	287.7	12.59	296.4	12.90	307.8	13.23	316.5	13.47
		88.8	224.4	7.87	243.0	9.42	264.6	10.97	287.7	12.36	296.4	12.66	307.8	13.00	316.5	13.13
		106.5	224.4	7.75	243.0	9.32	264.6	10.85	287.7	12.24	296.4	12.54	307.8	12.88	316.5	12.96
	75	28.4	224.4	10.95	243.0	12.73	264.6	14.82	287.7	16.71	296.4	17.13	307.8	17.53	316.5	17.84
		35.5	224.4	10.74	243.0	12.52	264.6	14.58	287.7	16.44	296.4	16.85	307.8	17.25	316.5	17.55
		71.0	224.4	9.89	243.0	11.71	264.6	13.64	287.7	15.36	296.4	15.73	307.8	16.14	316.5	16.44
		88.8	224.4	9.62	243.0	11.48	264.6	13.37	287.7	15.06	296.4	15.43	307.8	15.83	316.5	16.00
		106.5	224.4	9.49	243.0	11.36	264.6	13.23	287.7	14.90	296.4	15.27	307.8	15.68	316.5	15.78
	86	28.4	224.4	13.46	243.0	15.68	264.6	18.26	287.7	20.55	296.4	21.04	307.8	21.54	316.5	21.96
		35.5	224.4	13.20	243.0	15.43	264.6	17.96	287.7	20.22	296.4	20.69	307.8	21.20	316.5	21.61
		71.0	224.4	12.15	243.0	14.41	264.6	16.78	287.7	18.90	296.4	19.34	307.8	19.85	316.5	20.22
		88.8	224.4	11.82	243.0	14.11	264.6	16.44	287.7	18.53	296.4	19.01	307.8	19.48	316.5	19.68
		106.5	224.4	11.65	243.0	13.96	264.6	16.27	287.7	18.35	296.4	18.84	307.8	19.29	316.5	19.41
	95	28.4	213.3	14.22	231.0	16.54	251.4	19.25	273.3	21.69	281.4	22.20	292.5	22.74	300.6	23.15
		35.5	213.3	13.94	231.0	16.27	251.4	18.94	273.3	21.34	281.4	21.84	292.5	22.38	300.6	22.79
		71.0	213.3	12.83	231.0	15.23	251.4	17.72	273.3	19.95	281.4	20.42	292.5	20.96	300.6	21.34
		88.8	213.3	12.49	231.0	14.89	251.4	17.35	273.3	19.58	281.4	20.05	292.5	20.56	300.6	20.76
		106.5	213.3	12.32	231.0	14.72	251.4	17.16	273.3	19.39	281.4	19.87	292.5	20.35	300.6	20.47
	104	28.4	201.9	15.99	218.7	18.56	238.2	21.62	258.9	24.33	266.7	24.91	277.2	25.53	284.7	25.96
		35.5	201.9	15.66	218.7	18.26	238.2	21.27	258.9	23.93	266.7	24.51	277.2	25.12	284.7	25.56
		71.0	201.9	14.38	218.7	17.08	238.2	19.88	258.9	22.38	266.7	22.92	277.2	23.50	284.7	23.93
		88.8	201.9	14.01	218.7	16.71	238.2	19.48	258.9	21.94	266.7	22.48	277.2	23.06	284.7	23.29
		106.5	201.9	13.82	218.7	16.52	238.2	19.27	258.9	21.72	266.7	22.26	277.2	22.84	284.7	22.97
	113	28.4	190.5	17.75	206.4	20.59	225.0	23.99	244.5	26.97	252.0	27.62	261.9	28.31	268.8	28.78
		35.5	190.5	17.39	206.4	20.26	225.0	23.60	244.5	26.53	252.0	27.18	261.9	27.85	268.8	28.32
		71.0	190.5	15.93	206.4	18.94	225.0	22.04	244.5	24.81	252.0	25.42	261.9	26.03	268.8	26.53
		88.8	190.5	15.53	206.4	18.53	225.0	21.61	244.5	24.31	252.0	24.91	261.9	25.56	268.8	25.83
		106.5	190.5	15.32	206.4	18.33	225.0	21.38	244.5	24.05	252.0	24.66	261.9	25.32	268.8	25.47
90	50	28.4	201.9	4.59	218.7	5.33	238.2	6.23	258.9	7.06	266.7	7.18	277.2	7.33	284.7	7.56
		35.5	201.9	4.51	218.7	5.26	238.2	6.14	258.9	6.95	266.7	7.08	277.2	7.24	284.7	7.44
		71.0	201.9	4.19	218.7	4.97	238.2	5.75	258.9	6.53	266.7	6.66	277.2	6.86	284.7	6.95
		88.8	201.9	4.06	218.7	4.80	238.2	5.65	258.9	6.33	266.7	6.53	277.2	6.73	284.7	6.72
		106.5	201.9	3.99	218.7	4.72	238.2	5.60	258.9	6.23	266.7	6.46	277.2	6.66	284.7	6.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM288DAS5



288,000 Btu/h, Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	28.4	201.9	6.26	218.7	7.27	238.2	8.47	258.9	9.57	266.7	9.77	277.2	10.01	284.7	10.22
		35.5	201.9	6.14	218.7	7.16	238.2	8.34	258.9	9.42	266.7	9.62	277.2	9.86	284.7	10.06
		71.0	201.9	5.67	218.7	6.72	238.2	7.80	258.9	8.81	266.7	9.01	277.2	9.25	284.7	9.42
		88.8	201.9	5.50	218.7	6.55	238.2	7.66	258.9	8.61	266.7	8.84	277.2	9.08	284.7	9.15
		106.5	201.9	5.42	218.7	6.46	238.2	7.60	258.9	8.51	266.7	8.76	277.2	9.00	284.7	9.01
	67	28.4	201.9	7.75	218.7	8.99	238.2	10.47	258.9	11.81	266.7	12.08	277.2	12.39	284.7	12.59
		35.5	201.9	7.60	218.7	8.84	238.2	10.30	258.9	11.61	266.7	11.88	277.2	12.19	284.7	12.39
		71.0	201.9	6.99	218.7	8.27	238.2	9.62	258.9	10.84	266.7	11.11	277.2	11.38	284.7	11.61
		88.8	201.9	6.79	218.7	8.10	238.2	9.45	258.9	10.63	266.7	10.90	277.2	11.17	284.7	11.31
		106.5	201.9	6.68	218.7	8.02	238.2	9.37	258.9	10.53	266.7	10.80	277.2	11.07	284.7	11.16
	75	28.4	201.9	9.44	218.7	10.98	238.2	12.76	258.9	14.38	266.7	14.72	277.2	15.09	284.7	15.37
		35.5	201.9	9.25	218.7	10.80	238.2	12.56	258.9	14.14	266.7	14.48	277.2	14.85	284.7	15.12
		71.0	201.9	8.51	218.7	10.09	238.2	11.75	258.9	13.23	266.7	13.54	277.2	13.91	284.7	14.14
		88.8	201.9	8.27	218.7	9.86	238.2	11.51	258.9	12.96	266.7	13.30	277.2	13.64	284.7	13.77
		106.5	201.9	8.15	218.7	9.74	238.2	11.39	258.9	12.83	266.7	13.18	277.2	13.50	284.7	13.59
	86	28.4	201.9	11.61	218.7	13.49	238.2	15.72	258.9	17.71	266.7	18.11	277.2	18.56	284.7	18.91
		35.5	201.9	11.38	218.7	13.27	238.2	15.46	258.9	17.42	266.7	17.82	277.2	18.26	284.7	18.60
		71.0	201.9	10.47	218.7	12.39	238.2	14.45	258.9	16.27	266.7	16.68	277.2	17.08	284.7	17.39
		88.8	201.9	10.16	218.7	12.15	238.2	14.14	258.9	15.97	266.7	16.34	277.2	16.78	284.7	16.95
		106.5	201.9	10.01	218.7	12.03	238.2	13.99	258.9	15.81	266.7	16.17	277.2	16.62	284.7	16.73
	95	28.4	196.5	12.54	212.7	14.55	231.6	16.95	251.7	19.08	259.2	19.52	269.4	20.00	276.9	20.38
		35.5	196.5	12.29	212.7	14.31	231.6	16.68	251.7	18.77	259.2	19.21	269.4	19.68	276.9	20.05
		71.0	196.5	11.28	212.7	13.37	231.6	15.60	251.7	17.55	259.2	17.96	269.4	18.43	276.9	18.77
		88.8	196.5	10.97	212.7	13.10	231.6	15.26	251.7	17.22	259.2	17.66	269.4	18.09	276.9	18.26
		106.5	196.5	10.82	212.7	12.96	231.6	15.09	251.7	17.05	259.2	17.50	269.4	17.92	276.9	18.01
	104	28.4	190.8	14.40	206.7	16.71	225.0	19.45	244.5	21.93	252.0	22.44	261.6	22.98	269.1	23.39
		35.5	190.8	14.11	206.7	16.44	225.0	19.14	244.5	21.57	252.0	22.08	261.6	22.62	269.1	23.02
		71.0	190.8	12.96	206.7	15.36	225.0	17.93	244.5	20.15	252.0	20.66	261.6	21.17	269.1	21.57
		88.8	190.8	12.59	206.7	15.06	225.0	17.55	244.5	19.78	252.0	20.26	261.6	20.80	269.1	21.00
		106.5	190.8	12.40	206.7	14.90	225.0	17.37	244.5	19.60	252.0	20.05	261.6	20.61	269.1	20.71
	113	28.4	185.1	16.26	200.7	18.87	218.4	21.95	237.3	24.78	244.8	25.35	253.8	25.97	261.3	26.40
		35.5	185.1	15.93	200.7	18.57	218.4	21.61	237.3	24.37	244.8	24.95	253.8	25.56	261.3	25.99
		71.0	185.1	14.65	200.7	17.35	218.4	20.26	237.3	22.75	244.8	23.36	253.8	23.90	261.3	24.37
		88.8	185.1	14.21	200.7	17.01	218.4	19.85	237.3	22.35	244.8	22.85	253.8	23.50	261.3	23.73
		106.5	185.1	13.99	200.7	16.84	218.4	19.65	237.3	22.14	244.8	22.60	253.8	23.29	261.3	23.41
80	50	28.4	179.4	3.93	194.4	4.47	211.8	5.20	230.1	5.96	237.0	6.03	246.3	6.21	253.2	6.26
		35.5	179.4	3.84	194.4	4.41	211.8	5.13	230.1	5.85	237.0	5.94	246.3	6.11	253.2	6.17
		71.0	179.4	3.47	194.4	4.19	211.8	4.84	230.1	5.42	237.0	5.59	246.3	5.68	253.2	5.78
		88.8	179.4	3.45	194.4	4.06	211.8	4.74	230.1	5.33	237.0	5.42	246.3	5.58	253.2	5.65
		106.5	179.4	3.43	194.4	3.99	211.8	4.69	230.1	5.28	237.0	5.33	246.3	5.53	253.2	5.59
	59	28.4	179.4	5.28	194.4	6.10	211.8	7.10	230.1	8.04	237.0	8.20	246.3	8.41	253.2	8.54
		35.5	179.4	5.17	194.4	6.01	211.8	6.99	230.1	7.90	237.0	8.07	246.3	8.27	253.2	8.41
		71.0	179.4	4.73	194.4	5.64	211.8	6.55	230.1	7.36	237.0	7.56	246.3	7.73	253.2	7.87
		88.8	179.4	4.62	194.4	5.50	211.8	6.41	230.1	7.22	237.0	7.39	246.3	7.60	253.2	7.66
		106.5	179.4	4.57	194.4	5.43	211.8	6.35	230.1	7.16	237.0	7.31	246.3	7.53	253.2	7.56
	67	28.4	179.4	6.47	194.4	7.55	211.8	8.79	230.1	9.88	237.0	10.12	246.3	10.36	253.2	10.57
		35.5	179.4	6.35	194.4	7.43	211.8	8.64	230.1	9.72	237.0	9.96	246.3	10.20	253.2	10.40
		71.0	179.4	5.84	194.4	6.92	211.8	8.07	230.1	9.08	237.0	9.32	246.3	9.55	253.2	9.72
		88.8	179.4	5.67	194.4	6.79	211.8	7.90	230.1	8.91	237.0	9.15	246.3	9.38	253.2	9.45
		106.5	179.4	5.59	194.4	6.72	211.8	7.81	230.1	8.83	237.0	9.06	246.3	9.30	253.2	9.32
	75	28.4	179.4	7.93	194.4	9.20	211.8	10.70	230.1	12.04	237.0	12.36	246.3	12.66	253.2	12.86
		35.5	179.4	7.76	194.4	9.05	211.8	10.53	230.1	11.85	237.0	12.15	246.3	12.46	253.2	12.66
		71.0	179.4	7.12	194.4	8.44	211.8	9.86	230.1	11.11	237.0	11.34	246.3	11.65	253.2	11.85
		88.8	179.4	6.92	194.4	8.27	211.8	9.65	230.1	10.87	237.0	11.14	246.3	11.44	253.2	11.55
		106.5	179.4	6.82	194.4	8.19	211.8	9.55	230.1	10.75	237.0	11.04	246.3	11.34	253.2	11.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	28.4	179.4	9.71	194.4	11.29	211.8	13.18	230.1	14.82	237.0	15.16	246.3	15.54	253.2	15.85
		35.5	179.4	9.52	194.4	11.11	211.8	12.96	230.1	14.58	237.0	14.92	246.3	15.29	253.2	15.60
		71.0	179.4	8.78	194.4	10.40	211.8	12.12	230.1	13.64	237.0	13.98	246.3	14.31	253.2	14.58
		88.8	179.4	8.54	194.4	10.16	211.8	11.85	230.1	13.37	237.0	13.71	246.3	14.04	253.2	14.21
		106.5	179.4	8.42	194.4	10.04	211.8	11.71	230.1	13.23	237.0	13.57	246.3	13.91	253.2	14.03
	95	28.4	179.4	10.81	194.4	12.56	211.8	14.61	230.1	16.47	237.0	16.88	246.3	17.30	253.2	17.60
		35.5	179.4	10.60	194.4	12.36	211.8	14.38	230.1	16.20	237.0	16.61	246.3	17.01	253.2	17.32
		71.0	179.4	9.76	194.4	11.55	211.8	13.47	230.1	15.16	237.0	15.53	246.3	15.90	253.2	16.20
		88.8	179.4	9.49	194.4	11.31	211.8	13.20	230.1	14.85	237.0	15.23	246.3	15.63	253.2	15.77
		106.5	179.4	9.35	194.4	11.19	211.8	13.06	230.1	14.70	237.0	15.07	246.3	15.49	253.2	15.54
	104	28.4	179.4	12.81	194.4	14.90	211.8	17.33	230.1	19.52	237.0	19.97	246.3	20.49	253.2	20.82
		35.5	179.4	12.56	194.4	14.65	211.8	17.05	230.1	19.21	237.0	19.65	246.3	20.15	253.2	20.49
		71.0	179.4	11.55	194.4	13.67	211.8	15.93	230.1	17.96	237.0	18.36	246.3	18.84	253.2	19.17
		88.8	179.4	11.21	194.4	13.40	211.8	15.60	230.1	17.59	237.0	18.03	246.3	18.50	253.2	18.67
		106.5	179.4	11.04	194.4	13.27	211.8	15.43	230.1	17.40	237.0	17.86	246.3	18.33	253.2	18.41
	113	28.4	179.4	14.81	194.4	17.24	211.8	20.05	230.1	22.58	237.0	23.06	246.3	23.68	253.2	24.05
		35.5	179.4	14.52	194.4	16.95	211.8	19.72	230.1	22.21	237.0	22.69	246.3	23.29	253.2	23.66
		71.0	179.4	13.33	194.4	15.80	211.8	18.40	230.1	20.76	237.0	21.20	246.3	21.77	253.2	22.15
		88.8	179.4	12.93	194.4	15.50	211.8	17.99	230.1	20.32	237.0	20.83	246.3	21.37	253.2	21.57
		106.5	179.4	12.73	194.4	15.34	211.8	17.79	230.1	20.10	237.0	20.64	246.3	21.17	253.2	21.28
70	50	28.4	157.2	3.20	170.1	3.73	185.4	4.31	201.3	4.87	207.3	5.05	215.4	5.18	221.4	5.20
		35.5	157.2	3.15	170.1	3.67	185.4	4.25	201.3	4.80	207.3	4.97	215.4	5.10	221.4	5.13
		71.0	157.2	2.92	170.1	3.41	185.4	3.99	201.3	4.55	207.3	4.65	215.4	4.78	221.4	4.84
		88.8	157.2	2.86	170.1	3.34	185.4	3.93	201.3	4.41	207.3	4.51	215.4	4.64	221.4	4.71
		106.5	157.2	2.83	170.1	3.31	185.4	3.90	201.3	4.35	207.3	4.44	215.4	4.57	221.4	4.64
	59	28.4	157.2	4.37	170.1	5.08	185.4	5.90	201.3	6.65	207.3	6.83	215.4	7.00	221.4	7.10
		35.5	157.2	4.29	170.1	5.00	185.4	5.81	201.3	6.55	207.3	6.72	215.4	6.89	221.4	6.99
		71.0	157.2	3.95	170.1	4.66	185.4	5.44	201.3	6.14	207.3	6.28	215.4	6.45	221.4	6.55
		88.8	157.2	3.85	170.1	4.56	185.4	5.33	201.3	6.01	207.3	6.14	215.4	6.31	221.4	6.38
		106.5	157.2	3.80	170.1	4.51	185.4	5.28	201.3	5.94	207.3	6.08	215.4	6.24	221.4	6.30
	67	28.4	157.2	5.41	170.1	6.28	185.4	7.31	201.3	8.24	207.3	8.41	215.4	8.61	221.4	8.79
		35.5	157.2	5.30	170.1	6.18	185.4	7.19	201.3	8.10	207.3	8.27	215.4	8.47	221.4	8.64
		71.0	157.2	4.86	170.1	5.77	185.4	6.72	201.3	7.56	207.3	7.73	215.4	7.93	221.4	8.07
		88.8	157.2	4.73	170.1	5.64	185.4	6.58	201.3	7.43	207.3	7.60	215.4	7.80	221.4	7.87
		106.5	157.2	4.66	170.1	5.57	185.4	6.51	201.3	7.36	207.3	7.53	215.4	7.73	221.4	7.76
	75	28.4	157.2	6.58	170.1	7.66	185.4	8.88	201.3	10.02	207.3	10.26	215.4	10.49	221.4	10.70
		35.5	157.2	6.45	170.1	7.53	185.4	8.74	201.3	9.86	207.3	10.09	215.4	10.33	221.4	10.53
		71.0	157.2	5.94	170.1	7.02	185.4	8.20	201.3	9.22	207.3	9.45	215.4	9.69	221.4	9.86
		88.8	157.2	5.77	170.1	6.89	185.4	8.03	201.3	9.05	207.3	9.25	215.4	9.49	221.4	9.59
		106.5	157.2	5.69	170.1	6.82	185.4	7.95	201.3	8.96	207.3	9.15	215.4	9.38	221.4	9.45
	86	28.4	157.2	8.10	170.1	9.40	185.4	10.95	201.3	12.32	207.3	12.63	215.4	12.93	221.4	13.18
		35.5	157.2	7.93	170.1	9.25	185.4	10.77	201.3	12.12	207.3	12.42	215.4	12.73	221.4	12.96
		71.0	157.2	7.29	170.1	8.64	185.4	10.06	201.3	11.34	207.3	11.61	215.4	11.92	221.4	12.12
		88.8	157.2	7.09	170.1	8.47	185.4	9.86	201.3	11.11	207.3	11.41	215.4	11.68	221.4	11.82
		106.5	157.2	6.99	170.1	8.39	185.4	9.76	201.3	10.99	207.3	11.31	215.4	11.56	221.4	11.66
	95	28.4	157.2	8.99	170.1	10.42	185.4	12.19	201.3	13.69	207.3	14.04	215.4	14.38	221.4	14.61
		35.5	157.2	8.81	170.1	10.26	185.4	11.98	201.3	13.47	207.3	13.81	215.4	14.14	221.4	14.38
		71.0	157.2	8.10	170.1	9.62	185.4	11.17	201.3	12.59	207.3	12.90	215.4	13.23	221.4	13.47
		88.8	157.2	7.87	170.1	9.38	185.4	10.97	201.3	12.36	207.3	12.66	215.4	13.00	221.4	13.13
		106.5	157.2	7.75	170.1	9.27	185.4	10.87	201.3	12.24	207.3	12.54	215.4	12.88	221.4	12.96
	104	28.4	157.2	10.64	170.1	12.35	185.4	14.41	201.3	16.23	207.3	16.60	215.4	17.02	221.4	17.32
		35.5	157.2	10.43	170.1	12.15	185.4	14.18	201.3	15.97	207.3	16.34	215.4	16.74	221.4	17.05
		71.0	157.2	9.59	170.1	11.38	185.4	13.27	201.3	14.92	207.3	15.29	215.4	15.66	221.4	15.97
		88.8	157.2	9.32	170.1	11.14	185.4	12.96	201.3	14.62	207.3	14.99	215.4	15.39	221.4	15.53
		106.5	157.2	9.18	170.1	11.02	185.4	12.81	201.3	14.46	207.3	14.84	215.4	15.26	221.4	15.31

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM288DAS5

288,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	28.4	157.2	12.30	170.1	14.27	185.4	16.63	201.3	18.77	207.3	19.17	215.4	19.66	221.4	20.03
		35.5	157.2	12.05	170.1	14.04	185.4	16.37	201.3	18.47	207.3	18.87	215.4	19.34	221.4	19.72
		71.0	157.2	11.07	170.1	13.13	185.4	15.36	201.3	17.25	207.3	17.69	215.4	18.09	221.4	18.47
		88.8	157.2	10.77	170.1	12.90	185.4	14.96	201.3	16.88	207.3	17.32	215.4	17.79	221.4	17.93
		106.5	157.2	10.62	170.1	12.78	185.4	14.75	201.3	16.69	207.3	17.13	215.4	17.64	221.4	17.65
60	50	28.4	134.7	2.55	145.8	2.97	158.7	3.41	172.5	3.93	177.9	4.04	184.8	4.08	189.9	4.15
		35.5	134.7	2.50	145.8	2.92	158.7	3.37	172.5	3.87	177.9	3.96	184.8	4.03	189.9	4.09
		71.0	134.7	2.30	145.8	2.73	158.7	3.22	172.5	3.60	177.9	3.67	184.8	3.80	189.9	3.87
		88.8	134.7	2.20	145.8	2.70	158.7	3.15	172.5	3.54	177.9	3.60	184.8	3.70	189.9	3.77
		106.5	134.7	2.15	145.8	2.68	158.7	3.12	172.5	3.51	177.9	3.57	184.8	3.65	189.9	3.72
	59	28.4	134.7	3.48	145.8	4.05	158.7	4.69	172.5	5.32	177.9	5.46	184.8	5.55	189.9	5.66
		35.5	134.7	3.41	145.8	3.98	158.7	4.62	172.5	5.23	177.9	5.37	184.8	5.47	189.9	5.57
		71.0	134.7	3.14	145.8	3.71	158.7	4.35	172.5	4.89	177.9	5.00	184.8	5.13	189.9	5.23
		88.8	134.7	3.04	145.8	3.65	158.7	4.25	172.5	4.79	177.9	4.89	184.8	5.03	189.9	5.10
		106.5	134.7	2.99	145.8	3.61	158.7	4.20	172.5	4.74	177.9	4.84	184.8	4.98	189.9	5.03
	67	28.4	134.7	4.31	145.8	5.01	158.7	5.83	172.5	6.55	177.9	6.73	184.8	6.86	189.9	7.00
		35.5	134.7	4.22	145.8	4.93	158.7	5.74	172.5	6.45	177.9	6.62	184.8	6.75	189.9	6.89
		71.0	134.7	3.88	145.8	4.59	158.7	5.37	172.5	6.04	177.9	6.18	184.8	6.31	189.9	6.45
		88.8	134.7	3.78	145.8	4.49	158.7	5.23	172.5	5.91	177.9	6.04	184.8	6.21	189.9	6.28
		106.5	134.7	3.73	145.8	4.44	158.7	5.16	172.5	5.84	177.9	5.97	184.8	6.16	189.9	6.19
	75	28.4	134.7	5.23	145.8	6.11	158.7	7.11	172.5	7.99	177.9	8.16	184.8	8.36	189.9	8.54
		35.5	134.7	5.13	145.8	6.01	158.7	6.99	172.5	7.87	177.9	8.03	184.8	8.24	189.9	8.41
		71.0	134.7	4.73	145.8	5.60	158.7	6.52	172.5	7.36	177.9	7.53	184.8	7.73	189.9	7.87
		88.8	134.7	4.59	145.8	5.47	158.7	6.38	172.5	7.19	177.9	7.39	184.8	7.56	189.9	7.66
		106.5	134.7	4.52	145.8	5.40	158.7	6.31	172.5	7.11	177.9	7.33	184.8	7.48	189.9	7.56
	86	28.4	134.7	6.44	145.8	7.48	158.7	8.71	172.5	9.81	177.9	10.05	184.8	10.29	189.9	10.50
		35.5	134.7	6.31	145.8	7.36	158.7	8.57	172.5	9.65	177.9	9.89	184.8	10.13	189.9	10.33
		71.0	134.7	5.81	145.8	6.89	158.7	8.03	172.5	9.05	177.9	9.25	184.8	9.49	189.9	9.65
		88.8	134.7	5.64	145.8	6.75	158.7	7.87	172.5	8.88	177.9	9.08	184.8	9.32	189.9	9.42
		106.5	134.7	5.55	145.8	6.68	158.7	7.78	172.5	8.79	177.9	9.00	184.8	9.23	189.9	9.30
	95	28.4	134.7	7.17	145.8	8.34	158.7	9.72	172.5	10.91	177.9	11.18	184.8	11.46	189.9	11.67
		35.5	134.7	7.02	145.8	8.20	158.7	9.55	172.5	10.74	177.9	11.01	184.8	11.28	189.9	11.48
		71.0	134.7	6.45	145.8	7.66	158.7	8.91	172.5	10.06	177.9	10.30	184.8	10.53	189.9	10.74
		88.8	134.7	6.28	145.8	7.49	158.7	8.74	172.5	9.86	177.9	10.09	184.8	10.36	189.9	10.47
		106.5	134.7	6.19	145.8	7.41	158.7	8.66	172.5	9.76	177.9	9.99	184.8	10.28	189.9	10.33
	104	28.4	134.7	8.47	145.8	9.84	158.7	11.50	172.5	12.94	177.9	13.24	184.8	13.55	189.9	13.83
		35.5	134.7	8.30	145.8	9.69	158.7	11.31	172.5	12.73	177.9	13.03	184.8	13.33	189.9	13.60
		71.0	134.7	7.66	145.8	9.08	158.7	10.57	172.5	11.88	177.9	12.19	184.8	12.49	189.9	12.73
		88.8	134.7	7.43	145.8	8.88	158.7	10.36	172.5	11.65	177.9	11.95	184.8	12.25	189.9	12.39
		106.5	134.7	7.31	145.8	8.78	158.7	10.26	172.5	11.53	177.9	11.83	184.8	12.14	189.9	12.22
	113	28.4	134.7	9.77	145.8	11.34	158.7	13.28	172.5	14.97	177.9	15.30	184.8	15.63	189.9	15.99
		35.5	134.7	9.59	145.8	11.17	158.7	13.06	172.5	14.72	177.9	15.06	184.8	15.39	189.9	15.73
		71.0	134.7	8.88	145.8	10.50	158.7	12.22	172.5	13.71	177.9	14.08	184.8	14.45	189.9	14.72
		88.8	134.7	8.57	145.8	10.26	158.7	11.98	172.5	13.44	177.9	13.81	184.8	14.14	189.9	14.31
		106.5	134.7	8.42	145.8	10.14	158.7	11.87	172.5	13.30	177.9	13.67	184.8	13.99	189.9	14.11
50	50	28.4	112.2	1.89	121.5	2.21	132.3	2.65	144.0	2.90	148.2	2.95	153.9	3.08	158.1	3.10
		35.5	112.2	1.85	121.5	2.17	132.3	2.60	144.0	2.86	148.2	2.92	153.9	3.02	158.1	3.05
		71.0	112.2	1.68	121.5	2.05	132.3	2.41	144.0	2.70	148.2	2.80	153.9	2.79	158.1	2.86
		88.8	112.2	1.65	121.5	2.05	132.3	2.34	144.0	2.63	148.2	2.66	153.9	2.76	158.1	2.76
		106.5	112.2	1.64	121.5	2.05	132.3	2.30	144.0	2.59	148.2	2.59	153.9	2.74	158.1	2.70
	59	28.4	112.2	2.58	121.5	3.02	132.3	3.54	144.0	3.94	148.2	4.04	153.9	4.15	158.1	4.22
		35.5	112.2	2.53	121.5	2.97	132.3	3.48	144.0	3.88	148.2	3.98	153.9	4.08	158.1	4.15
		71.0	112.2	2.33	121.5	2.77	132.3	3.24	144.0	3.65	148.2	3.75	153.9	3.81	158.1	3.88
		88.8	112.2	2.26	121.5	2.73	132.3	3.17	144.0	3.58	148.2	3.65	153.9	3.75	158.1	3.78
		106.5	112.2	2.23	121.5	2.72	132.3	3.14	144.0	3.54	148.2	3.59	153.9	3.71	158.1	3.73

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	67	28.4	112.2	3.20	121.5	3.75	132.3	4.32	144.0	4.87	148.2	5.01	153.9	5.11	158.1	5.22
		35.5	112.2	3.14	121.5	3.68	132.3	4.25	144.0	4.79	148.2	4.93	153.9	5.03	158.1	5.13
		71.0	112.2	2.90	121.5	3.41	132.3	3.98	144.0	4.49	148.2	4.59	153.9	4.73	158.1	4.79
		88.8	112.2	2.80	121.5	3.34	132.3	3.92	144.0	4.42	148.2	4.52	153.9	4.62	158.1	4.69
		106.5	112.2	2.75	121.5	3.31	132.3	3.88	144.0	4.39	148.2	4.49	153.9	4.57	158.1	4.64
	75	28.4	112.2	3.89	121.5	4.52	132.3	5.28	144.0	5.98	148.2	6.11	153.9	6.25	158.1	6.34
		35.5	112.2	3.81	121.5	4.46	132.3	5.20	144.0	5.87	148.2	6.01	153.9	6.14	158.1	6.25
		71.0	112.2	3.51	121.5	4.19	132.3	4.86	144.0	5.47	148.2	5.60	153.9	5.74	158.1	5.87
		88.8	112.2	3.41	121.5	4.08	132.3	4.76	144.0	5.37	148.2	5.50	153.9	5.64	158.1	5.71
		106.5	112.2	3.36	121.5	4.03	132.3	4.71	144.0	5.32	148.2	5.45	153.9	5.59	158.1	5.62
	86	28.4	112.2	4.83	121.5	5.60	132.3	6.52	144.0	7.34	148.2	7.52	153.9	7.68	158.1	7.82
		35.5	112.2	4.73	121.5	5.50	132.3	6.41	144.0	7.22	148.2	7.39	153.9	7.56	158.1	7.70
		71.0	112.2	4.32	121.5	5.13	132.3	5.98	144.0	6.75	148.2	6.89	153.9	7.09	158.1	7.19
		88.8	112.2	4.22	121.5	5.03	132.3	5.87	144.0	6.62	148.2	6.79	153.9	6.95	158.1	7.02
		106.5	112.2	4.17	121.5	4.98	132.3	5.82	144.0	6.55	148.2	6.73	153.9	6.89	158.1	6.94
	95	28.4	112.2	5.33	121.5	6.21	132.3	7.24	144.0	8.13	148.2	8.34	153.9	8.54	158.1	8.68
		35.5	112.2	5.23	121.5	6.11	132.3	7.12	144.0	8.00	148.2	8.20	153.9	8.41	158.1	8.54
		71.0	112.2	4.83	121.5	5.71	132.3	6.65	144.0	7.49	148.2	7.66	153.9	7.87	158.1	8.00
		88.8	112.2	4.69	121.5	5.60	132.3	6.52	144.0	7.36	148.2	7.53	153.9	7.73	158.1	7.80
		106.5	112.2	4.62	121.5	5.55	132.3	6.45	144.0	7.29	148.2	7.46	153.9	7.66	158.1	7.70
	104	28.4	112.2	6.34	121.5	7.34	132.3	8.58	144.0	9.64	148.2	9.88	153.9	10.12	158.1	10.29
		35.5	112.2	6.21	121.5	7.22	132.3	8.44	144.0	9.49	148.2	9.72	153.9	9.96	158.1	10.13
		71.0	112.2	5.71	121.5	6.75	132.3	7.87	144.0	8.88	148.2	9.08	153.9	9.32	158.1	9.49
		88.8	112.2	5.54	121.5	6.62	132.3	7.73	144.0	8.71	148.2	8.91	153.9	9.15	158.1	9.22
		106.5	112.2	5.45	121.5	6.55	132.3	7.66	144.0	8.62	148.2	8.83	153.9	9.06	158.1	9.08
	113	28.4	112.2	7.34	121.5	8.47	132.3	9.93	144.0	11.15	148.2	11.43	153.9	11.70	158.1	11.90
		35.5	112.2	7.19	121.5	8.34	132.3	9.76	144.0	10.97	148.2	11.24	153.9	11.51	158.1	11.71
		71.0	112.2	6.58	121.5	7.80	132.3	9.08	144.0	10.26	148.2	10.50	153.9	10.77	158.1	10.97
		88.8	112.2	6.38	121.5	7.63	132.3	8.95	144.0	10.06	148.2	10.30	153.9	10.57	158.1	10.63
		106.5	112.2	6.28	121.5	7.54	132.3	8.88	144.0	9.96	148.2	10.19	153.9	10.46	158.1	10.46

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA

ARWM360DAS5

360,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	50	38.6	334.7	8.83	362.5	10.36	394.5	12.06	428.7	13.52	441.9	13.83	459.2	14.28	472.0	14.48
		48.3	334.7	8.67	362.5	10.17	394.5	11.85	428.7	13.30	441.9	13.62	459.2	14.04	472.0	14.26
		96.4	334.7	8.04	362.5	9.44	394.5	11.03	428.7	12.44	441.9	12.81	459.2	13.08	472.0	13.40
		106.1	334.7	7.91	362.5	9.37	394.5	10.93	428.7	12.28	441.9	12.65	459.2	12.95	472.0	13.18
		121.6	334.7	7.70	362.5	9.25	394.5	10.77	428.7	12.03	441.9	12.40	459.2	12.74	472.0	12.84
	59	38.6	329.2	11.64	356.6	13.57	388.2	15.82	421.9	17.77	434.7	18.19	451.6	18.67	464.4	18.99
		48.3	329.2	11.42	356.6	13.35	388.2	15.55	421.9	17.48	434.7	17.90	451.6	18.37	464.4	18.70
		96.4	329.2	10.53	356.6	12.45	388.2	14.52	421.9	16.35	434.7	16.78	451.6	17.20	464.4	17.58
		106.1	329.2	10.36	356.6	12.32	388.2	14.36	421.9	16.16	434.7	16.59	451.6	17.01	464.4	17.33
		121.6	329.2	10.10	356.6	12.10	388.2	14.10	421.9	15.86	434.7	16.28	451.6	16.70	464.4	16.94
	67	38.6	324.3	14.15	351.4	16.43	382.5	19.15	415.9	21.54	428.3	22.07	444.8	22.57	457.6	22.99
		48.3	324.3	13.86	351.4	16.17	382.5	18.84	415.9	21.19	428.3	21.71	444.8	22.23	457.6	22.65
		96.4	324.3	12.73	351.4	15.13	382.5	17.62	415.9	19.83	428.3	20.30	444.8	20.86	457.6	21.29
		106.1	324.3	12.54	351.4	14.94	382.5	17.40	415.9	19.61	428.3	20.08	444.8	20.62	457.6	21.02
		121.6	324.3	12.24	351.4	14.64	382.5	17.06	415.9	19.27	428.3	19.74	444.8	20.23	457.6	20.58
	75	38.6	324.3	17.45	351.4	20.25	382.5	23.59	415.9	26.61	428.3	27.22	444.8	27.87	457.6	28.34
		48.3	324.3	17.11	351.4	19.92	382.5	23.21	415.9	26.17	428.3	26.79	444.8	27.44	457.6	27.91
		96.4	324.3	15.74	351.4	18.66	382.5	21.71	415.9	24.44	428.3	25.05	444.8	25.75	457.6	26.22
		106.1	324.3	15.47	351.4	18.41	382.5	21.46	415.9	24.17	428.3	24.78	444.8	25.45	457.6	25.89
		121.6	324.3	15.04	351.4	18.02	382.5	21.07	415.9	23.73	428.3	24.34	444.8	24.97	457.6	25.37
	86	38.6	324.3	20.96	351.4	24.31	382.5	28.32	415.9	31.91	428.3	32.66	444.8	33.46	457.6	34.02
		48.3	324.3	20.54	351.4	23.92	382.5	27.87	415.9	31.39	428.3	32.14	444.8	32.94	457.6	33.51
		96.4	324.3	18.84	351.4	22.37	382.5	26.08	415.9	29.32	428.3	30.07	444.8	30.87	457.6	31.48
		106.1	324.3	18.54	351.4	22.10	382.5	25.75	415.9	29.00	428.3	29.75	444.8	30.52	457.6	31.07
		121.6	324.3	18.07	351.4	21.66	382.5	25.23	415.9	28.48	428.3	29.23	444.8	29.96	457.6	30.42
	95	38.6	292.1	21.14	316.1	24.60	344.2	28.66	374.3	32.23	385.5	33.05	400.5	33.85	411.8	34.39
		48.3	292.1	20.72	316.1	24.20	344.2	28.20	374.3	31.72	385.5	32.52	400.5	33.32	411.8	33.88
		96.4	292.1	19.08	316.1	22.60	344.2	26.36	374.3	29.70	385.5	30.40	400.5	31.20	411.8	31.86
		106.1	292.1	18.78	316.1	22.33	344.2	26.03	374.3	29.35	385.5	30.08	400.5	30.85	411.8	31.43
		121.6	292.1	18.30	316.1	21.90	344.2	25.51	374.3	28.78	385.5	29.56	400.5	30.28	411.8	30.73
	104	38.6	259.4	22.35	281.2	25.93	305.9	30.23	332.6	34.00	342.7	34.80	355.9	35.65	366.0	36.31
		48.3	259.4	21.90	281.2	25.52	305.9	29.75	332.6	33.46	342.7	34.26	355.9	35.10	366.0	35.76
		96.4	259.4	20.11	281.2	23.87	305.9	27.82	332.6	31.30	342.7	32.10	355.9	32.94	366.0	33.60
		106.1	259.4	19.78	281.2	23.57	305.9	27.47	332.6	30.95	342.7	31.75	355.9	32.56	366.0	33.17
		121.6	259.4	19.26	281.2	23.09	305.9	26.90	332.6	30.38	342.7	31.18	355.9	31.95	366.0	32.47
	113	38.6	226.7	23.56	246.3	27.26	267.7	31.81	290.9	35.78	299.9	36.55	311.2	37.45	320.2	38.22
		48.3	226.7	23.07	246.3	26.83	267.7	31.30	290.9	35.20	299.9	36.00	311.2	36.89	320.2	37.64
		96.4	226.7	21.15	246.3	25.14	267.7	29.28	290.9	32.89	299.9	33.79	311.2	34.68	320.2	35.34
		106.1	226.7	20.80	246.3	24.81	267.7	28.90	290.9	32.54	299.9	33.41	311.2	34.27	320.2	34.91
		121.6	226.7	20.23	246.3	24.29	267.7	28.29	290.9	31.98	299.9	32.80	311.2	33.62	320.2	34.21
120	50	38.6	316.9	8.43	342.8	9.82	373.6	11.37	405.9	12.81	418.0	13.21	434.5	13.52	446.5	13.68
		48.3	316.9	8.25	342.8	9.66	373.6	11.20	405.9	12.61	418.0	12.98	434.5	13.29	446.5	13.47
		96.4	316.9	7.57	342.8	9.03	373.6	10.53	405.9	11.79	418.0	12.06	434.5	12.38	446.5	12.65
		106.1	316.9	7.44	342.8	8.86	373.6	10.40	405.9	11.63	418.0	11.96	434.5	12.25	446.5	12.50
		121.6	316.9	7.23	342.8	8.60	373.6	10.18	405.9	11.37	418.0	11.79	434.5	12.04	446.5	12.25
	59	38.6	313.1	11.17	339.0	13.00	369.4	15.09	401.3	17.00	413.3	17.44	429.4	17.86	441.5	18.13
		48.3	313.1	10.95	339.0	12.78	369.4	14.85	401.3	16.73	413.3	17.15	429.4	17.58	441.5	17.86
		96.4	313.1	10.06	339.0	11.94	369.4	13.91	401.3	15.65	413.3	16.02	429.4	16.45	441.5	16.78
		106.1	313.1	9.89	339.0	11.77	369.4	13.75	401.3	15.46	413.3	15.86	429.4	16.26	441.5	16.56
		121.6	313.1	9.63	339.0	11.51	369.4	13.49	401.3	15.15	413.3	15.60	429.4	15.95	441.5	16.21
	67	38.6	309.7	13.62	335.6	15.82	365.6	18.39	397.2	20.73	409.2	21.20	424.9	21.71	437.0	22.09
		48.3	309.7	13.35	335.6	15.55	365.6	18.09	397.2	20.39	409.2	20.86	424.9	21.38	437.0	21.76
		96.4	309.7	12.26	335.6	14.52	365.6	16.92	397.2	19.08	409.2	19.55	424.9	20.07	437.0	20.44
		106.1	309.7	12.07	335.6	14.36	365.6	16.73	397.2	18.86	409.2	19.33	424.9	19.82	437.0	20.17
		121.6	309.7	11.77	335.6	14.10	365.6	16.42	397.2	18.51	409.2	18.98	424.9	19.43	437.0	19.73

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

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Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	38.6	309.7	16.73	335.6	19.45	365.6	22.64	397.2	25.45	409.2	26.07	424.9	26.74	437.0	27.20
		48.3	309.7	16.40	335.6	19.13	365.6	22.27	397.2	25.05	409.2	25.66	424.9	26.32	437.0	26.79
		96.4	309.7	15.08	335.6	17.86	365.6	20.82	397.2	23.45	409.2	24.01	424.9	24.62	437.0	25.14
		106.1	309.7	14.84	335.6	17.64	365.6	20.57	397.2	23.18	409.2	23.74	424.9	24.35	437.0	24.79
		121.6	309.7	14.45	335.6	17.29	365.6	20.18	397.2	22.74	409.2	23.31	424.9	23.92	437.0	24.22
	86	38.6	309.7	20.18	335.6	23.50	365.6	27.38	397.2	30.81	409.2	31.51	424.9	32.32	437.0	32.89
		48.3	309.7	19.78	335.6	23.12	365.6	26.93	397.2	30.31	409.2	31.01	424.9	31.81	437.0	32.38
		96.4	309.7	18.23	335.6	21.62	365.6	25.14	397.2	28.34	409.2	29.04	424.9	29.79	437.0	30.36
		106.1	309.7	17.93	335.6	21.35	365.6	24.84	397.2	28.01	409.2	28.71	424.9	29.46	437.0	29.95
		121.6	309.7	17.46	335.6	20.91	365.6	24.36	397.2	27.49	409.2	28.19	424.9	28.94	437.0	29.30
	95	38.6	283.4	20.72	307.1	24.08	334.5	28.04	363.4	31.57	374.3	32.34	388.9	33.08	399.8	33.70
		48.3	283.4	20.30	307.1	23.68	334.5	27.58	363.4	31.06	374.3	31.81	388.9	32.57	399.8	33.18
		96.4	283.4	18.66	307.1	22.13	334.5	25.80	363.4	29.04	374.3	29.75	388.9	30.54	399.8	31.11
		106.1	283.4	18.36	307.1	21.86	334.5	25.50	363.4	28.71	374.3	29.42	388.9	30.19	399.8	30.70
		121.6	283.4	17.88	307.1	21.43	334.5	25.02	363.4	28.19	374.3	28.90	388.9	29.63	399.8	30.05
	104	38.6	257.1	22.29	278.5	25.89	303.3	30.19	330.0	33.96	339.7	34.77	352.9	35.61	362.6	36.27
		48.3	257.1	21.85	278.5	25.47	303.3	29.70	330.0	33.41	339.7	34.21	352.9	35.06	362.6	35.71
		96.4	257.1	20.11	278.5	23.83	303.3	27.77	330.0	31.25	339.7	32.00	352.9	32.85	362.6	33.51
		106.1	257.1	19.78	278.5	23.53	303.3	27.44	330.0	30.90	339.7	31.67	352.9	32.50	362.6	33.04
		121.6	257.1	19.26	278.5	23.05	303.3	26.92	330.0	30.33	339.7	31.15	352.9	31.93	362.6	32.30
	113	38.6	230.9	23.87	250.0	27.69	272.2	32.34	296.6	36.34	305.2	37.20	316.8	38.15	325.5	38.85
		48.3	230.9	23.40	250.0	27.26	272.2	31.81	296.6	35.76	305.2	36.61	316.8	37.55	325.5	38.25
		96.4	230.9	21.57	250.0	25.52	272.2	29.75	296.6	33.46	305.2	34.26	316.8	35.15	325.5	35.90
		106.1	230.9	21.22	250.0	25.19	272.2	29.40	296.6	33.08	305.2	33.93	316.8	34.80	325.5	35.38
		121.6	230.9	20.65	250.0	24.67	272.2	28.83	296.6	32.47	305.2	33.41	316.8	34.23	325.5	34.56
110	50	38.6	298.6	7.95	323.8	9.20	352.4	10.78	382.8	12.10	394.0	12.36	409.8	12.75	420.7	12.93
		48.3	298.6	7.79	323.8	9.05	352.4	10.60	382.8	11.91	394.0	12.18	409.8	12.55	420.7	12.72
		96.4	298.6	7.15	323.8	8.46	352.4	9.87	382.8	11.14	394.0	11.46	409.8	11.73	420.7	11.91
		106.1	298.6	7.05	323.8	8.36	352.4	9.74	382.8	11.04	394.0	11.27	409.8	11.60	420.7	11.75
		121.6	298.6	6.88	323.8	8.19	352.4	9.52	382.8	10.87	394.0	10.97	409.8	11.39	420.7	11.50
	59	38.6	296.9	10.65	321.7	12.37	350.2	14.43	380.6	16.24	391.9	16.61	407.3	17.05	418.6	17.33
		48.3	296.9	10.43	321.7	12.17	350.2	14.19	380.6	15.98	391.9	16.35	407.3	16.78	418.6	17.06
		96.4	296.9	9.59	321.7	11.37	350.2	13.25	380.6	14.94	391.9	15.32	407.3	15.70	418.6	15.98
		106.1	296.9	9.45	321.7	11.24	350.2	13.09	380.6	14.78	391.9	15.13	407.3	15.53	418.6	15.76
		121.6	296.9	9.23	321.7	11.02	350.2	12.83	380.6	14.52	391.9	14.82	407.3	15.27	418.6	15.41
	67	38.6	295.4	13.04	319.8	15.19	348.4	17.67	378.8	19.92	390.0	20.40	405.0	20.87	416.7	21.24
		48.3	295.4	12.78	319.8	14.94	348.4	17.39	378.8	19.60	390.0	20.07	405.0	20.54	416.7	20.91
		96.4	295.4	11.75	319.8	13.96	348.4	16.26	378.8	18.33	390.0	18.75	405.0	19.22	416.7	19.60
		106.1	295.4	11.58	319.8	13.79	348.4	16.07	378.8	18.11	390.0	18.56	405.0	19.03	416.7	19.33
		121.6	295.4	11.32	319.8	13.53	348.4	15.76	378.8	17.76	390.0	18.26	405.0	18.73	416.7	18.89
	75	38.6	295.4	15.96	319.8	18.58	348.4	21.63	378.8	24.36	390.0	24.92	405.0	25.54	416.7	26.01
		48.3	295.4	15.65	319.8	18.28	348.4	21.29	378.8	23.97	390.0	24.53	405.0	25.14	416.7	25.61
		96.4	295.4	14.43	319.8	17.11	348.4	19.92	378.8	22.42	390.0	22.98	405.0	23.54	416.7	24.01
		106.1	295.4	14.18	319.8	16.89	348.4	19.68	378.8	22.17	390.0	22.71	405.0	23.30	416.7	23.66
		121.6	295.4	13.79	319.8	16.54	348.4	19.29	378.8	21.78	390.0	22.27	405.0	22.91	416.7	23.09
	86	38.6	295.4	19.46	319.8	22.64	348.4	26.37	378.8	29.72	390.0	30.42	405.0	31.13	416.7	31.70
		48.3	295.4	19.08	319.8	22.27	348.4	25.94	378.8	29.23	390.0	29.93	405.0	30.64	416.7	31.20
		96.4	295.4	17.58	319.8	20.82	348.4	24.25	378.8	27.30	390.0	28.01	405.0	28.71	416.7	29.23
		106.1	295.4	17.31	319.8	20.57	348.4	23.98	378.8	27.00	390.0	27.68	405.0	28.38	416.7	28.82
		121.6	295.4	16.87	319.8	20.18	348.4	23.54	378.8	26.53	390.0	27.16	405.0	27.86	416.7	28.17
	95	38.6	275.2	20.28	298.1	23.55	324.7	27.41	352.9	30.90	363.4	31.62	377.6	32.37	388.2	32.99
		48.3	275.2	19.88	298.1	23.17	324.7	26.97	352.9	30.40	363.4	31.11	377.6	31.86	388.2	32.47
		96.4	275.2	18.28	298.1	21.66	324.7	25.23	352.9	28.43	363.4	29.09	377.6	29.84	388.2	30.40
		106.1	275.2	17.98	298.1	21.39	324.7	24.93	352.9	28.10	363.4	28.79	377.6	29.51	388.2	29.97
		121.6	275.2	17.50	298.1	20.96	324.7	24.46	352.9	27.58	363.4	28.31	377.6	28.99	388.2	29.27

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM360DAS5



360,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	38.6	254.9	22.24	276.3	25.90	300.7	30.14	327.0	33.91	336.7	34.72	349.9	35.57	359.6	36.24
		48.3	254.9	21.80	276.3	25.47	300.7	29.65	327.0	33.36	336.7	34.16	349.9	35.01	359.6	35.67
		96.4	254.9	20.07	276.3	23.78	300.7	27.73	327.0	31.20	336.7	31.95	349.9	32.80	359.6	33.41
		106.1	254.9	19.74	276.3	23.48	300.7	27.40	327.0	30.85	336.7	31.63	349.9	32.45	359.6	32.92
		121.6	254.9	19.22	276.3	23.00	300.7	26.88	327.0	30.28	336.7	31.11	349.9	31.88	359.6	32.14
	113	38.6	234.6	24.21	254.5	28.25	276.7	32.86	301.1	36.92	310.1	37.82	322.1	38.76	331.1	39.48
		48.3	234.6	23.73	254.5	27.77	276.7	32.33	301.1	36.32	310.1	37.22	322.1	38.16	331.1	38.86
		96.4	234.6	21.85	254.5	25.89	276.7	30.22	301.1	33.98	310.1	34.82	322.1	35.76	331.1	36.42
		106.1	234.6	21.50	254.5	25.56	276.7	29.87	301.1	33.60	310.1	34.47	322.1	35.38	331.1	35.88
		121.6	234.6	20.93	254.5	25.04	276.7	29.30	301.1	32.99	310.1	33.90	322.1	34.77	331.1	35.01
100	50	38.6	280.8	7.52	304.1	8.74	331.1	10.04	360.0	11.44	370.9	11.60	385.2	12.00	396.0	12.22
		48.3	280.8	7.37	304.1	8.59	331.1	9.89	360.0	11.26	370.9	11.43	385.2	11.80	396.0	12.03
		96.4	280.8	6.78	304.1	8.00	331.1	9.31	360.0	10.54	370.9	10.76	385.2	11.03	396.0	11.26
		106.1	280.8	6.65	304.1	7.90	331.1	9.18	360.0	10.41	370.9	10.63	385.2	10.90	396.0	11.04
		121.6	280.8	6.44	304.1	7.73	331.1	8.97	360.0	10.19	370.9	10.42	385.2	10.69	396.0	10.70
	59	38.6	280.8	10.16	304.1	11.80	331.1	13.70	360.0	15.47	370.9	15.80	385.2	16.24	396.0	16.52
		48.3	280.8	9.96	304.1	11.61	331.1	13.49	360.0	15.23	370.9	15.55	385.2	15.98	396.0	16.26
		96.4	280.8	9.16	304.1	10.86	331.1	12.64	360.0	14.24	370.9	14.57	385.2	14.94	396.0	15.23
		106.1	280.8	9.00	304.1	10.72	331.1	12.48	360.0	14.07	370.9	14.40	385.2	14.78	396.0	14.98
		121.6	280.8	8.74	304.1	10.50	331.1	12.22	360.0	13.81	370.9	14.14	385.2	14.52	396.0	14.59
	67	38.6	280.8	12.51	304.1	14.51	331.1	16.96	360.0	19.06	370.9	19.54	385.2	20.01	396.0	20.34
		48.3	280.8	12.26	304.1	14.29	331.1	16.68	360.0	18.75	370.9	19.22	385.2	19.69	396.0	20.02
		96.4	280.8	11.28	304.1	13.39	331.1	15.60	360.0	17.53	370.9	17.95	385.2	18.42	396.0	18.75
		106.1	280.8	11.09	304.1	13.23	331.1	15.41	360.0	17.34	370.9	17.76	385.2	18.23	396.0	18.48
		121.6	280.8	10.78	304.1	12.97	331.1	15.11	360.0	17.03	370.9	17.46	385.2	17.93	396.0	18.04
	75	38.6	280.8	15.24	304.1	17.72	331.1	20.63	360.0	23.27	370.9	23.84	385.2	24.40	396.0	24.83
		48.3	280.8	14.94	304.1	17.43	331.1	20.30	360.0	22.89	370.9	23.45	385.2	24.01	396.0	24.44
		96.4	280.8	13.77	304.1	16.31	331.1	18.98	360.0	21.38	370.9	21.90	385.2	22.46	396.0	22.89
		106.1	280.8	13.55	304.1	16.12	331.1	18.76	360.0	21.14	370.9	21.65	385.2	22.22	396.0	22.54
		121.6	280.8	13.20	304.1	15.81	331.1	18.42	360.0	20.75	370.9	21.26	385.2	21.83	396.0	21.97
	86	38.6	280.8	18.74	304.1	21.83	331.1	25.42	360.0	28.61	370.9	29.28	385.2	29.99	396.0	30.56
		48.3	280.8	18.37	304.1	21.48	331.1	25.00	360.0	28.15	370.9	28.81	385.2	29.51	396.0	30.07
		96.4	280.8	16.92	304.1	20.07	331.1	23.36	360.0	26.32	370.9	26.93	385.2	27.63	396.0	28.15
		106.1	280.8	16.65	304.1	19.82	331.1	23.09	360.0	26.02	370.9	26.66	385.2	27.33	396.0	27.72
		121.6	280.8	16.21	304.1	19.43	331.1	22.65	360.0	25.54	370.9	26.22	385.2	26.85	396.0	27.02
	95	38.6	266.9	19.80	289.1	23.02	314.6	26.79	342.0	30.19	352.1	30.90	366.0	31.65	376.1	32.23
		48.3	266.9	19.41	289.1	22.65	314.6	26.36	342.0	29.70	352.1	30.40	366.0	31.16	376.1	31.72
		96.4	266.9	17.86	289.1	21.19	314.6	24.67	342.0	27.77	352.1	28.43	366.0	29.18	376.1	29.70
		106.1	266.9	17.59	289.1	20.92	314.6	24.37	342.0	27.47	352.1	28.13	366.0	28.85	376.1	29.24
		121.6	266.9	17.15	289.1	20.49	314.6	23.89	342.0	26.99	352.1	27.65	366.0	28.33	376.1	28.50
	104	38.6	252.6	22.26	273.7	25.84	298.1	30.09	324.0	33.86	333.7	34.67	346.9	35.53	356.2	36.14
		48.3	252.6	21.80	273.7	25.42	298.1	29.61	324.0	33.32	333.7	34.12	346.9	34.96	356.2	35.57
		96.4	252.6	20.02	273.7	23.78	298.1	27.68	324.0	31.16	333.7	31.91	346.9	32.71	356.2	33.32
		106.1	252.6	19.72	273.7	23.48	298.1	27.35	324.0	30.81	333.7	31.56	346.9	32.36	356.2	32.80
		121.6	252.6	19.24	273.7	23.00	298.1	26.83	324.0	30.24	333.7	30.99	346.9	31.79	356.2	31.97
	113	38.6	238.4	24.71	258.3	28.66	281.5	33.39	305.9	37.54	315.3	38.45	327.7	39.41	336.4	40.06
		48.3	238.4	24.20	258.3	28.20	281.5	32.85	305.9	36.94	315.3	37.83	327.7	38.77	336.4	39.43
		96.4	238.4	22.18	258.3	26.36	281.5	30.69	305.9	34.54	315.3	35.39	327.7	36.23	336.4	36.94
		106.1	238.4	21.85	258.3	26.03	281.5	30.34	305.9	34.13	315.3	34.98	327.7	35.85	336.4	36.37
		121.6	238.4	21.33	258.3	25.51	281.5	29.77	305.9	33.48	315.3	34.32	327.7	35.24	336.4	35.45
90	50	38.6	252.6	6.39	273.7	7.42	298.1	8.68	324.0	9.82	333.7	10.00	346.9	10.21	356.2	10.53
		48.3	252.6	6.28	273.7	7.32	298.1	8.54	324.0	9.67	333.7	9.85	346.9	10.07	356.2	10.36
		96.4	252.6	5.83	273.7	6.92	298.1	8.00	324.0	9.09	333.7	9.27	346.9	9.55	356.2	9.67
		106.1	252.6	5.73	273.7	6.79	298.1	7.92	324.0	8.93	333.7	9.17	346.9	9.44	356.2	9.49
		121.6	252.6	5.56	273.7	6.57	298.1	7.80	324.0	8.67	333.7	9.00	346.9	9.27	356.2	9.19

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	38.6	252.6	8.72	273.7	10.12	298.1	11.80	324.0	13.32	333.7	13.61	346.9	13.94	356.2	14.23
		48.3	252.6	8.55	273.7	9.96	298.1	11.61	324.0	13.11	333.7	13.39	346.9	13.72	356.2	14.00
		96.4	252.6	7.89	273.7	9.35	298.1	10.86	324.0	12.26	333.7	12.55	346.9	12.88	356.2	13.11
		106.1	252.6	7.76	273.7	9.22	298.1	10.75	324.0	12.10	333.7	12.41	346.9	12.74	356.2	12.89
		121.6	252.6	7.54	273.7	9.00	298.1	10.57	324.0	11.84	333.7	12.19	346.9	12.52	356.2	12.55
	67	38.6	252.6	10.79	273.7	12.51	298.1	14.57	324.0	16.44	333.7	16.81	346.9	17.25	356.2	17.52
		48.3	252.6	10.57	273.7	12.31	298.1	14.33	324.0	16.17	333.7	16.54	346.9	16.96	356.2	17.25
		96.4	252.6	9.73	273.7	11.51	298.1	13.39	324.0	15.08	333.7	15.46	346.9	15.84	356.2	16.17
		106.1	252.6	9.56	273.7	11.38	298.1	13.26	324.0	14.92	333.7	15.30	346.9	15.67	356.2	15.92
		121.6	252.6	9.30	273.7	11.16	298.1	13.04	324.0	14.66	333.7	15.04	346.9	15.41	356.2	15.53
	75	38.6	252.6	13.14	273.7	15.29	298.1	17.77	324.0	20.01	333.7	20.49	346.9	21.01	356.2	21.40
		48.3	252.6	12.88	273.7	15.04	298.1	17.48	324.0	19.69	333.7	20.16	346.9	20.68	356.2	21.05
		96.4	252.6	11.84	273.7	14.05	298.1	16.35	324.0	18.42	333.7	18.84	346.9	19.36	356.2	19.69
		106.1	252.6	11.65	273.7	13.86	298.1	16.16	324.0	18.20	333.7	18.65	346.9	19.14	356.2	19.39
		121.6	252.6	11.35	273.7	13.56	298.1	15.86	324.0	17.86	333.7	18.35	346.9	18.80	356.2	18.91
	86	38.6	252.6	16.16	273.7	18.78	298.1	21.88	324.0	24.65	333.7	25.22	346.9	25.84	356.2	26.32
		48.3	252.6	15.84	273.7	18.47	298.1	21.52	324.0	24.25	333.7	24.81	346.9	25.42	356.2	25.89
		96.4	252.6	14.57	273.7	17.25	298.1	20.11	324.0	22.65	333.7	23.21	346.9	23.78	356.2	24.20
		106.1	252.6	14.32	273.7	17.06	298.1	19.87	324.0	22.40	333.7	22.94	346.9	23.53	356.2	23.85
		121.6	252.6	13.93	273.7	16.75	298.1	19.48	324.0	22.01	333.7	22.51	346.9	23.14	356.2	23.28
	95	38.6	245.9	17.46	266.2	20.26	289.8	23.59	315.0	26.55	324.3	27.18	337.1	27.84	346.5	28.36
		48.3	245.9	17.11	266.2	19.92	289.8	23.21	315.0	26.13	324.3	26.74	337.1	27.40	346.5	27.91
		96.4	245.9	15.70	266.2	18.61	289.8	21.71	315.0	24.44	324.3	25.00	337.1	25.66	346.5	26.13
		106.1	245.9	15.45	266.2	18.39	289.8	21.44	315.0	24.17	324.3	24.75	337.1	25.39	346.5	25.72
		121.6	245.9	15.06	266.2	18.04	289.8	21.00	315.0	23.73	324.3	24.36	337.1	24.95	346.5	25.07
	104	38.6	238.7	20.05	258.6	23.27	281.5	27.07	305.9	30.53	315.3	31.23	327.3	32.00	336.7	32.56
		48.3	238.7	19.64	258.6	22.89	281.5	26.64	305.9	30.03	315.3	30.73	327.3	31.48	336.7	32.05
		96.4	238.7	18.04	258.6	21.38	281.5	24.95	305.9	28.05	315.3	28.76	327.3	29.46	336.7	30.03
		106.1	238.7	17.74	258.6	21.14	281.5	24.65	305.9	27.75	315.3	28.43	327.3	29.16	336.7	29.57
		121.6	238.7	17.27	258.6	20.75	281.5	24.18	305.9	27.28	315.3	27.91	327.3	28.69	336.7	28.83
	113	38.6	231.6	22.63	251.1	26.27	273.3	30.55	296.9	34.50	306.3	35.29	317.6	36.15	327.0	36.75
		48.3	231.6	22.18	251.1	25.85	273.3	30.07	296.9	33.93	306.3	34.73	317.6	35.57	327.0	36.18
		96.4	231.6	20.39	251.1	24.15	273.3	28.20	296.9	31.67	306.3	32.52	317.6	33.27	327.0	33.93
		106.1	231.6	20.04	251.1	23.88	273.3	27.87	296.9	31.34	306.3	32.11	317.6	32.94	327.0	33.41
		121.6	231.6	19.48	251.1	23.45	273.3	27.35	296.9	30.82	306.3	31.46	317.6	32.42	327.0	32.59
80	50	38.6	224.5	5.47	243.3	6.22	265.0	7.24	287.9	8.29	296.6	8.40	308.2	8.65	316.8	8.72
		48.3	224.5	5.34	243.3	6.14	265.0	7.14	287.9	8.14	296.6	8.27	308.2	8.50	316.8	8.58
		96.4	224.5	4.83	243.3	5.84	265.0	6.74	287.9	7.55	296.6	7.78	308.2	7.91	316.8	8.04
		106.1	224.5	4.81	243.3	5.73	265.0	6.66	287.9	7.47	296.6	7.64	308.2	7.83	316.8	7.94
		121.6	224.5	4.78	243.3	5.56	265.0	6.53	287.9	7.34	296.6	7.42	308.2	7.70	316.8	7.78
	59	38.6	224.5	7.34	243.3	8.50	265.0	9.88	287.9	11.19	296.6	11.41	308.2	11.70	316.8	11.89
		48.3	224.5	7.19	243.3	8.36	265.0	9.73	287.9	11.00	296.6	11.23	308.2	11.51	316.8	11.70
		96.4	224.5	6.58	243.3	7.85	265.0	9.12	287.9	10.24	296.6	10.53	308.2	10.76	316.8	10.95
		106.1	224.5	6.50	243.3	7.74	265.0	9.01	287.9	10.13	296.6	10.39	308.2	10.65	316.8	10.79
		121.6	224.5	6.37	243.3	7.56	265.0	8.83	287.9	9.96	296.6	10.17	308.2	10.48	316.8	10.53
	67	38.6	224.5	9.01	243.3	10.52	265.0	12.23	287.9	13.76	296.6	14.09	308.2	14.42	316.8	14.71
		48.3	224.5	8.83	243.3	10.34	265.0	12.03	287.9	13.53	296.6	13.86	308.2	14.19	316.8	14.47
		96.4	224.5	8.13	243.3	9.63	265.0	11.23	287.9	12.64	296.6	12.97	308.2	13.30	316.8	13.53
		106.1	224.5	8.00	243.3	9.52	265.0	11.10	287.9	12.51	296.6	12.84	308.2	13.17	316.8	13.31
		121.6	224.5	7.78	243.3	9.35	265.0	10.88	287.9	12.29	296.6	12.62	308.2	12.95	316.8	12.97
	75	38.6	224.5	11.03	243.3	12.81	265.0	14.90	287.9	16.76	296.6	17.20	308.2	17.62	316.8	17.91
		48.3	224.5	10.81	243.3	12.59	265.0	14.66	287.9	16.49	296.6	16.92	308.2	17.34	316.8	17.62
		96.4	224.5	9.92	243.3	11.75	265.0	13.72	287.9	15.46	296.6	15.79	308.2	16.21	316.8	16.49
		106.1	224.5	9.75	243.3	11.61	265.0	13.56	287.9	15.27	296.6	15.63	308.2	16.05	316.8	16.25
		121.6	224.5	9.49	243.3	11.39	265.0	13.30	287.9	14.97	296.6	15.37	308.2	15.79	316.8	15.86

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM360DAS5

360,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	38.6	224.5	13.51	243.3	15.71	265.0	18.34	287.9	20.63	296.6	21.10	308.2	21.63	316.8	22.07
		48.3	224.5	13.25	243.3	15.46	265.0	18.04	287.9	20.30	296.6	20.77	308.2	21.29	316.8	21.71
		96.4	224.5	12.22	243.3	14.47	265.0	16.87	287.9	18.98	296.6	19.45	308.2	19.92	316.8	20.30
		106.1	224.5	12.03	243.3	14.28	265.0	16.65	287.9	18.76	296.6	19.23	308.2	19.70	316.8	20.00
		121.6	224.5	11.72	243.3	13.98	265.0	16.30	287.9	18.42	296.6	18.89	308.2	19.36	316.8	19.52
	95	38.6	224.5	15.05	243.3	17.48	265.0	20.34	287.9	22.92	296.6	23.50	308.2	24.08	316.8	24.50
		48.3	224.5	14.76	243.3	17.20	265.0	20.02	287.9	22.56	296.6	23.12	308.2	23.68	316.8	24.11
		96.4	224.5	13.58	243.3	16.07	265.0	18.75	287.9	21.10	296.6	21.62	308.2	22.13	316.8	22.56
		106.1	224.5	13.36	243.3	15.88	265.0	18.53	287.9	20.85	296.6	21.37	308.2	21.91	316.8	22.21
		121.6	224.5	13.02	243.3	15.58	265.0	18.18	287.9	20.46	296.6	20.98	308.2	21.57	316.8	21.64
	104	38.6	224.5	17.84	243.3	20.74	265.0	24.12	287.9	27.18	296.6	27.80	308.2	28.52	316.8	28.99
		48.3	224.5	17.48	243.3	20.39	265.0	23.73	287.9	26.74	296.6	27.35	308.2	28.05	316.8	28.52
		96.4	224.5	16.07	243.3	19.03	265.0	22.18	287.9	25.00	296.6	25.56	308.2	26.22	316.8	26.69
		106.1	224.5	15.80	243.3	18.81	265.0	21.91	287.9	24.70	296.6	25.29	308.2	25.95	316.8	26.28
		121.6	224.5	15.36	243.3	18.47	265.0	21.47	287.9	24.22	296.6	24.86	308.2	25.51	316.8	25.63
	113	38.6	224.5	20.62	243.3	23.99	265.0	27.91	287.9	31.43	296.6	32.10	308.2	32.96	316.8	33.48
		48.3	224.5	20.21	243.3	23.59	265.0	27.44	287.9	30.92	296.6	31.58	308.2	32.42	316.8	32.94
		96.4	224.5	18.56	243.3	21.99	265.0	25.61	287.9	28.90	296.6	29.51	308.2	30.31	316.8	30.83
		106.1	224.5	18.23	243.3	21.75	265.0	25.28	287.9	28.55	296.6	29.21	308.2	29.98	316.8	30.37
		121.6	224.5	17.71	243.3	21.36	265.0	24.76	287.9	27.98	296.6	28.73	308.2	29.46	316.8	29.63
70	50	38.6	196.7	4.46	212.8	5.20	232.0	6.01	251.9	6.77	259.4	7.03	269.5	7.22	277.0	7.24
		48.3	196.7	4.38	212.8	5.10	232.0	5.92	251.9	6.68	259.4	6.92	269.5	7.10	277.0	7.14
		96.4	196.7	4.07	212.8	4.74	232.0	5.56	251.9	6.33	259.4	6.47	269.5	6.65	277.0	6.74
		106.1	196.7	4.02	212.8	4.69	232.0	5.51	251.9	6.22	259.4	6.36	269.5	6.54	277.0	6.63
		121.6	196.7	3.94	212.8	4.61	232.0	5.42	251.9	6.05	259.4	6.18	269.5	6.37	277.0	6.46
	59	38.6	196.7	6.09	212.8	7.07	232.0	8.21	251.9	9.26	259.4	9.51	269.5	9.74	277.0	9.88
		48.3	196.7	5.97	212.8	6.95	232.0	8.08	251.9	9.12	259.4	9.35	269.5	9.59	277.0	9.73
		96.4	196.7	5.50	212.8	6.48	232.0	7.57	251.9	8.55	259.4	8.74	269.5	8.98	277.0	9.12
		106.1	196.7	5.42	212.8	6.40	232.0	7.49	251.9	8.44	259.4	8.63	269.5	8.87	277.0	8.98
		121.6	196.7	5.29	212.8	6.27	232.0	7.35	251.9	8.27	259.4	8.46	269.5	8.69	277.0	8.76
	67	38.6	196.7	7.53	212.8	8.74	232.0	10.18	251.9	11.47	259.4	11.70	269.5	11.98	277.0	12.23
		48.3	196.7	7.38	212.8	8.60	232.0	10.01	251.9	11.28	259.4	11.51	269.5	11.80	277.0	12.03
		96.4	196.7	6.77	212.8	8.04	232.0	9.35	251.9	10.53	259.4	10.76	269.5	11.04	277.0	11.23
		106.1	196.7	6.66	212.8	7.93	232.0	9.24	251.9	10.42	259.4	10.65	269.5	10.93	277.0	11.07
		121.6	196.7	6.48	212.8	7.75	232.0	9.07	251.9	10.24	259.4	10.48	269.5	10.76	277.0	10.81
	75	38.6	196.7	9.15	212.8	10.66	232.0	12.36	251.9	13.95	259.4	14.28	269.5	14.61	277.0	14.90
		48.3	196.7	8.98	212.8	10.48	232.0	12.17	251.9	13.72	259.4	14.05	269.5	14.38	277.0	14.66
		96.4	196.7	8.27	212.8	9.77	232.0	11.42	251.9	12.83	259.4	13.16	269.5	13.49	277.0	13.72
		106.1	196.7	8.14	212.8	9.66	232.0	11.29	251.9	12.70	259.4	12.99	269.5	13.32	277.0	13.50
		121.6	196.7	7.92	212.8	9.49	232.0	11.07	251.9	12.48	259.4	12.73	269.5	13.06	277.0	13.16
	86	38.6	196.7	11.27	212.8	13.09	232.0	15.24	251.9	17.14	259.4	17.58	269.5	18.00	277.0	18.34
		48.3	196.7	11.04	212.8	12.88	232.0	14.99	251.9	16.87	259.4	17.29	269.5	17.72	277.0	18.04
		96.4	196.7	10.15	212.8	12.03	232.0	14.00	251.9	15.79	259.4	16.17	269.5	16.59	277.0	16.87
		106.1	196.7	9.99	212.8	11.90	232.0	13.84	251.9	15.60	259.4	16.00	269.5	16.40	277.0	16.62
		121.6	196.7	9.73	212.8	11.68	232.0	13.58	251.9	15.29	259.4	15.74	269.5	16.09	277.0	16.23
	95	38.6	196.7	12.51	212.8	14.51	232.0	16.97	251.9	19.06	259.4	19.54	269.5	20.01	277.0	20.34
		48.3	196.7	12.26	212.8	14.29	232.0	16.68	251.9	18.75	259.4	19.22	269.5	19.69	277.0	20.02
		96.4	196.7	11.28	212.8	13.39	232.0	15.55	251.9	17.53	259.4	17.95	269.5	18.42	277.0	18.75
		106.1	196.7	11.09	212.8	13.20	232.0	15.39	251.9	17.34	259.4	17.76	269.5	18.23	277.0	18.48
		121.6	196.7	10.78	212.8	12.90	232.0	15.13	251.9	17.03	259.4	17.46	269.5	17.93	277.0	18.04
	104	38.6	196.7	14.82	212.8	17.19	232.0	20.06	251.9	22.60	259.4	23.11	269.5	23.69	277.0	24.11
		48.3	196.7	14.52	212.8	16.92	232.0	19.74	251.9	22.23	259.4	22.74	269.5	23.31	277.0	23.73
		96.4	196.7	13.35	212.8	15.84	232.0	18.47	251.9	20.77	259.4	21.29	269.5	21.80	277.0	22.23
		106.1	196.7	13.13	212.8	15.65	232.0	18.22	251.9	20.52	259.4	21.04	269.5	21.58	277.0	21.88
		121.6	196.7	12.78	212.8	15.34	232.0	17.83	251.9	20.13	259.4	20.65	269.5	21.24	277.0	21.31

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

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Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	38.6	196.7	17.12	212.8	19.87	232.0	23.15	251.9	26.13	259.4	26.68	269.5	27.37	277.0	27.88
		48.3	196.7	16.78	212.8	19.55	232.0	22.79	251.9	25.70	259.4	26.27	269.5	26.93	277.0	27.44
		96.4	196.7	15.41	212.8	18.28	232.0	21.38	251.9	24.01	259.4	24.62	269.5	25.19	277.0	25.70
		106.1	196.7	15.17	212.8	18.09	232.0	21.05	251.9	23.71	259.4	24.32	269.5	24.94	277.0	25.27
		121.6	196.7	14.78	212.8	17.79	232.0	20.53	251.9	23.24	259.4	23.85	269.5	24.55	277.0	24.57
60	50	38.6	168.6	3.55	182.4	4.13	198.6	4.75	215.8	5.47	222.6	5.62	231.2	5.68	237.6	5.77
		48.3	168.6	3.48	182.4	4.06	198.6	4.69	215.8	5.38	222.6	5.52	231.2	5.60	237.6	5.69
		96.4	168.6	3.21	182.4	3.79	198.6	4.48	215.8	5.02	222.6	5.10	231.2	5.29	237.6	5.38
		106.1	168.6	3.13	182.4	3.77	198.6	4.43	215.8	4.97	222.6	5.05	231.2	5.21	237.6	5.30
		121.6	168.6	3.00	182.4	3.73	198.6	4.34	215.8	4.88	222.6	4.97	231.2	5.08	237.6	5.18
	59	38.6	168.6	4.84	182.4	5.64	198.6	6.53	215.8	7.40	222.6	7.60	231.2	7.73	237.6	7.87
		48.3	168.6	4.75	182.4	5.55	198.6	6.44	215.8	7.28	222.6	7.47	231.2	7.61	237.6	7.75
		96.4	168.6	4.37	182.4	5.17	198.6	6.06	215.8	6.81	222.6	6.95	231.2	7.14	237.6	7.28
		106.1	168.6	4.29	182.4	5.12	198.6	5.98	215.8	6.73	222.6	6.87	231.2	7.06	237.6	7.17
		121.6	168.6	4.16	182.4	5.03	198.6	5.85	215.8	6.60	222.6	6.74	231.2	6.93	237.6	7.00
	67	38.6	168.6	5.99	182.4	6.98	198.6	8.12	215.8	9.12	222.6	9.36	231.2	9.55	237.6	9.74
		48.3	168.6	5.87	182.4	6.86	198.6	7.99	215.8	8.98	222.6	9.21	231.2	9.40	237.6	9.59
		96.4	168.6	5.40	182.4	6.39	198.6	7.47	215.8	8.41	222.6	8.60	231.2	8.79	237.6	8.98
		106.1	168.6	5.32	182.4	6.31	198.6	7.36	215.8	8.30	222.6	8.49	231.2	8.71	237.6	8.84
		121.6	168.6	5.19	182.4	6.18	198.6	7.19	215.8	8.13	222.6	8.32	231.2	8.58	237.6	8.62
	75	38.6	168.6	7.29	182.4	8.51	198.6	9.89	215.8	11.13	222.6	11.36	231.2	11.64	237.6	11.89
		48.3	168.6	7.14	182.4	8.36	198.6	9.73	215.8	10.95	222.6	11.18	231.2	11.47	237.6	11.70
		96.4	168.6	6.58	182.4	7.80	198.6	9.07	215.8	10.24	222.6	10.48	231.2	10.76	237.6	10.95
		106.1	168.6	6.47	182.4	7.69	198.6	8.96	215.8	10.11	222.6	10.37	231.2	10.63	237.6	10.79
		121.6	168.6	6.30	182.4	7.52	198.6	8.79	215.8	9.89	222.6	10.20	231.2	10.41	237.6	10.53
	86	38.6	168.6	8.97	182.4	10.41	198.6	12.13	215.8	13.65	222.6	13.99	231.2	14.32	237.6	14.62
		48.3	168.6	8.79	182.4	10.24	198.6	11.94	215.8	13.44	222.6	13.77	231.2	14.10	237.6	14.38
		96.4	168.6	8.08	182.4	9.59	198.6	11.18	215.8	12.59	222.6	12.88	231.2	13.20	237.6	13.44
		106.1	168.6	7.95	182.4	9.48	198.6	11.05	215.8	12.46	222.6	12.74	231.2	13.07	237.6	13.25
		121.6	168.6	7.73	182.4	9.30	198.6	10.83	215.8	12.24	222.6	12.52	231.2	12.85	237.6	12.95
	95	38.6	168.6	9.98	182.4	11.61	198.6	13.52	215.8	15.18	222.6	15.57	231.2	15.96	237.6	16.24
		48.3	168.6	9.77	182.4	11.42	198.6	13.30	215.8	14.94	222.6	15.32	231.2	15.70	237.6	15.98
		96.4	168.6	8.98	182.4	10.67	198.6	12.41	215.8	14.00	222.6	14.33	231.2	14.66	237.6	14.94
		106.1	168.6	8.84	182.4	10.53	198.6	12.27	215.8	13.84	222.6	14.17	231.2	14.53	237.6	14.72
		121.6	168.6	8.62	182.4	10.31	198.6	12.05	215.8	13.58	222.6	13.91	231.2	14.31	237.6	14.38
	104	38.6	168.6	11.79	182.4	13.70	198.6	16.00	215.8	18.01	222.6	18.44	231.2	18.86	237.6	19.25
		48.3	168.6	11.56	182.4	13.49	198.6	15.74	215.8	17.72	222.6	18.14	231.2	18.56	237.6	18.94
		96.4	168.6	10.67	182.4	12.64	198.6	14.71	215.8	16.54	222.6	16.96	231.2	17.39	237.6	17.72
		106.1	168.6	10.48	182.4	12.48	198.6	14.54	215.8	16.35	222.6	16.77	231.2	17.20	237.6	17.45
		121.6	168.6	10.17	182.4	12.22	198.6	14.28	215.8	16.05	222.6	16.47	231.2	16.89	237.6	17.01
	113	38.6	168.6	13.60	182.4	15.79	198.6	18.48	215.8	20.84	222.6	21.30	231.2	21.76	237.6	22.25
		48.3	168.6	13.35	182.4	15.55	198.6	18.19	215.8	20.49	222.6	20.96	231.2	21.43	237.6	21.90
		96.4	168.6	12.36	182.4	14.61	198.6	17.01	215.8	19.08	222.6	19.60	231.2	20.11	237.6	20.49
		106.1	168.6	12.11	182.4	14.42	198.6	16.82	215.8	18.86	222.6	19.38	231.2	19.87	237.6	20.16
		121.6	168.6	11.72	182.4	14.12	198.6	16.52	215.8	18.51	222.6	19.03	231.2	19.48	237.6	19.64
50	50	38.6	140.4	2.63	152.0	3.07	165.5	3.69	180.2	4.03	185.4	4.11	192.6	4.29	197.8	4.32
		48.3	140.4	2.57	152.0	3.03	165.5	3.62	180.2	3.98	185.4	4.06	192.6	4.21	197.8	4.25
		96.4	140.4	2.34	152.0	2.85	165.5	3.35	180.2	3.75	185.4	3.89	192.6	3.88	197.8	3.98
		106.1	140.4	2.32	152.0	2.85	165.5	3.30	180.2	3.70	185.4	3.78	192.6	3.86	197.8	3.90
		121.6	140.4	2.28	152.0	2.86	165.5	3.21	180.2	3.61	185.4	3.60	192.6	3.82	197.8	3.76
	59	38.6	140.4	3.60	152.0	4.21	165.5	4.92	180.2	5.49	185.4	5.63	192.6	5.78	197.8	5.87
		48.3	140.4	3.52	152.0	4.14	165.5	4.84	180.2	5.40	185.4	5.55	192.6	5.69	197.8	5.78
		96.4	140.4	3.24	152.0	3.85	165.5	4.51	180.2	5.08	185.4	5.22	192.6	5.31	197.8	5.40
		106.1	140.4	3.19	152.0	3.82	165.5	4.46	180.2	5.02	185.4	5.14	192.6	5.26	197.8	5.32
		121.6	140.4	3.10	152.0	3.78	165.5	4.37	180.2	4.93	185.4	5.00	192.6	5.17	197.8	5.19

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM360DAS5

360,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	67	38.6	140.4	4.45	152.0	5.22	165.5	6.02	180.2	6.78	185.4	6.98	192.6	7.11	197.8	7.26
		48.3	140.4	4.37	152.0	5.12	165.5	5.92	180.2	6.67	185.4	6.86	192.6	7.00	197.8	7.14
		96.4	140.4	4.04	152.0	4.75	165.5	5.55	180.2	6.25	185.4	6.39	192.6	6.58	197.8	6.67
		106.1	140.4	3.96	152.0	4.69	165.5	5.49	180.2	6.20	185.4	6.34	192.6	6.50	197.8	6.59
		121.6	140.4	3.83	152.0	4.60	165.5	5.40	180.2	6.11	185.4	6.25	192.6	6.37	197.8	6.46
	75	38.6	140.4	5.42	152.0	6.30	165.5	7.36	180.2	8.32	185.4	8.51	192.6	8.70	197.8	8.82
		48.3	140.4	5.31	152.0	6.20	165.5	7.24	180.2	8.18	185.4	8.36	192.6	8.55	197.8	8.69
		96.4	140.4	4.89	152.0	5.83	165.5	6.77	180.2	7.61	185.4	7.80	192.6	7.99	197.8	8.18
		106.1	140.4	4.81	152.0	5.75	165.5	6.69	180.2	7.53	185.4	7.72	192.6	7.91	197.8	8.04
		121.6	140.4	4.68	152.0	5.62	165.5	6.55	180.2	7.40	185.4	7.59	192.6	7.78	197.8	7.82
	86	38.6	140.4	6.72	152.0	7.79	165.5	9.08	180.2	10.22	185.4	10.47	192.6	10.69	197.8	10.89
		48.3	140.4	6.58	152.0	7.66	165.5	8.93	180.2	10.06	185.4	10.29	192.6	10.53	197.8	10.71
		96.4	140.4	6.01	152.0	7.14	165.5	8.32	180.2	9.40	185.4	9.59	192.6	9.87	197.8	10.01
		106.1	140.4	5.93	152.0	7.06	165.5	8.24	180.2	9.29	185.4	9.51	192.6	9.76	197.8	9.88
		121.6	140.4	5.80	152.0	6.93	165.5	8.11	180.2	9.12	185.4	9.37	192.6	9.59	197.8	9.66
	95	38.6	140.4	7.43	152.0	8.65	165.5	10.08	180.2	11.32	185.4	11.61	192.6	11.89	197.8	12.08
		48.3	140.4	7.28	152.0	8.51	165.5	9.92	180.2	11.14	185.4	11.42	192.6	11.70	197.8	11.89
		96.4	140.4	6.72	152.0	7.94	165.5	9.26	180.2	10.43	185.4	10.67	192.6	10.95	197.8	11.14
		106.1	140.4	6.61	152.0	7.86	165.5	9.15	180.2	10.32	185.4	10.56	192.6	10.84	197.8	10.97
		121.6	140.4	6.44	152.0	7.73	165.5	8.97	180.2	10.15	185.4	10.38	192.6	10.67	197.8	10.71
	104	38.6	140.4	8.82	152.0	10.22	165.5	11.95	180.2	13.42	185.4	13.76	192.6	14.09	197.8	14.32
		48.3	140.4	8.65	152.0	10.06	165.5	11.75	180.2	13.20	185.4	13.53	192.6	13.86	197.8	14.10
		96.4	140.4	7.94	152.0	9.40	165.5	10.95	180.2	12.36	185.4	12.64	192.6	12.97	197.8	13.20
		106.1	140.4	7.81	152.0	9.29	165.5	10.84	180.2	12.23	185.4	12.51	192.6	12.84	197.8	12.98
		121.6	140.4	7.59	152.0	9.12	165.5	10.67	180.2	12.01	185.4	12.29	192.6	12.62	197.8	12.64
	113	38.6	140.4	10.22	152.0	11.80	165.5	13.82	180.2	15.52	185.4	15.91	192.6	16.29	197.8	16.57
		48.3	140.4	10.01	152.0	11.61	165.5	13.58	180.2	15.27	185.4	15.65	192.6	16.02	197.8	16.31
		96.4	140.4	9.16	152.0	10.86	165.5	12.64	180.2	14.29	185.4	14.61	192.6	14.99	197.8	15.27
		106.1	140.4	9.00	152.0	10.72	165.5	12.53	180.2	14.12	185.4	14.45	192.6	14.83	197.8	15.00
		121.6	140.4	8.74	152.0	10.50	165.5	12.36	180.2	13.86	185.4	14.19	192.6	14.57	197.8	14.57

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	50	42.6	400.3	12.45	433.5	14.60	471.7	17.00	512.6	19.06	528.4	19.49	549.1	20.13	564.4	20.41
		53.3	400.3	12.22	433.5	14.34	471.7	16.71	512.6	18.76	528.4	19.20	549.1	19.79	564.4	20.11
		106.5	400.3	11.34	433.5	13.31	471.7	15.55	512.6	17.54	528.4	18.06	549.1	18.43	564.4	18.89
		133.1	400.3	11.01	433.5	13.12	471.7	15.30	512.6	17.15	528.4	17.67	549.1	18.12	564.4	18.37
		159.8	400.3	10.85	433.5	13.03	471.7	15.18	512.6	16.95	528.4	17.47	549.1	17.96	564.4	18.10
	59	42.6	393.7	16.42	426.5	19.13	464.2	22.30	504.6	25.04	519.8	25.64	540.0	26.32	555.3	26.77
		53.3	393.7	16.10	426.5	18.81	464.2	21.93	504.6	24.64	519.8	25.24	540.0	25.90	555.3	26.37
		106.5	393.7	14.84	426.5	17.55	464.2	20.47	504.6	23.05	519.8	23.65	540.0	24.25	555.3	24.78
		133.1	393.7	14.44	426.5	17.22	464.2	20.07	504.6	22.59	519.8	23.19	540.0	23.78	555.3	24.18
		159.8	393.7	14.24	426.5	17.06	464.2	19.87	504.6	22.36	519.8	22.95	540.0	23.55	555.3	23.88
	67	42.6	387.9	19.94	420.2	23.16	457.4	27.00	497.4	30.36	512.2	31.11	532.0	31.82	547.2	32.42
		53.3	387.9	19.54	420.2	22.79	457.4	26.56	497.4	29.88	512.2	30.61	532.0	31.33	547.2	31.93
		106.5	387.9	17.95	420.2	21.33	457.4	24.84	497.4	27.96	512.2	28.62	532.0	29.41	547.2	30.01
		133.1	387.9	17.49	420.2	20.87	457.4	24.31	497.4	27.43	512.2	28.09	532.0	28.82	547.2	29.35
		159.8	387.9	17.25	420.2	20.63	457.4	24.04	497.4	27.16	512.2	27.82	532.0	28.52	547.2	29.01
	75	42.6	387.9	24.60	420.2	28.54	457.4	33.26	497.4	37.52	512.2	38.38	532.0	39.29	547.2	39.95
		53.3	387.9	24.11	420.2	28.09	457.4	32.72	497.4	36.90	512.2	37.76	532.0	38.69	547.2	39.35
		106.5	387.9	22.19	420.2	26.30	457.4	30.61	497.4	34.45	512.2	35.31	532.0	36.30	547.2	36.96
		133.1	387.9	21.53	420.2	25.70	457.4	30.01	497.4	33.78	512.2	34.65	532.0	35.57	547.2	36.17
		159.8	387.9	21.20	420.2	25.40	457.4	29.71	497.4	33.45	512.2	34.31	532.0	35.21	547.2	35.77
	86	42.6	387.9	29.55	420.2	34.27	457.4	39.92	497.4	44.99	512.2	46.05	532.0	47.17	547.2	47.95
		53.3	387.9	28.95	420.2	33.72	457.4	39.28	497.4	44.25	512.2	45.31	532.0	46.44	547.2	47.23
		106.5	387.9	26.56	420.2	31.53	457.4	36.77	497.4	41.34	512.2	42.40	532.0	43.52	547.2	44.38
		133.1	387.9	25.84	420.2	30.87	457.4	35.97	497.4	40.54	512.2	41.60	532.0	42.66	547.2	43.39
		159.8	387.9	25.47	420.2	30.54	457.4	35.57	497.4	40.14	512.2	41.20	532.0	42.23	547.2	42.89
	95	42.6	349.2	29.80	378.0	34.68	411.6	40.40	447.6	45.43	461.0	46.59	479.0	47.72	492.4	48.48
		53.3	349.2	29.21	378.0	34.12	411.6	39.75	447.6	44.72	461.0	45.84	479.0	46.97	492.4	47.76
		106.5	349.2	26.90	378.0	31.86	411.6	37.16	447.6	41.87	461.0	42.86	479.0	43.99	492.4	44.91
		133.1	349.2	26.17	378.0	31.20	411.6	36.37	447.6	41.01	461.0	42.07	479.0	43.13	492.4	43.85
		159.8	349.2	25.80	378.0	30.87	411.6	35.97	447.6	40.57	461.0	41.66	479.0	42.69	492.4	43.32
	104	42.6	310.2	31.51	336.2	36.56	365.9	42.62	397.7	47.94	409.9	49.06	425.6	50.25	437.7	51.18
		53.3	310.2	30.87	336.2	35.97	365.9	41.93	397.7	47.17	409.9	48.29	425.6	49.48	437.7	50.41
		106.5	310.2	28.35	336.2	33.65	365.9	39.22	397.7	44.12	409.9	45.25	425.6	46.44	437.7	47.36
		133.1	310.2	27.56	336.2	32.92	365.9	38.36	397.7	43.26	409.9	44.38	425.6	45.51	437.7	46.31
		159.8	310.2	27.16	336.2	32.56	365.9	37.92	397.7	42.82	409.9	43.95	425.6	45.04	437.7	45.77
	113	42.6	271.1	33.21	294.5	38.43	320.1	44.84	347.9	50.44	358.7	51.53	372.1	52.79	382.9	53.88
		53.3	271.1	32.53	294.5	37.83	320.1	44.12	347.9	49.62	358.7	50.74	372.1	52.00	382.9	53.06
		106.5	271.1	29.81	294.5	35.44	320.1	41.27	347.9	46.37	358.7	47.63	372.1	48.89	382.9	49.82
		133.1	271.1	28.95	294.5	34.65	320.1	40.34	347.9	45.51	358.7	46.70	372.1	47.89	382.9	48.76
		159.8	271.1	28.51	294.5	34.25	320.1	39.88	347.9	45.08	358.7	46.24	372.1	47.39	382.9	48.22
	50	42.6	378.9	11.88	409.9	13.85	446.8	16.03	485.4	18.06	499.8	18.62	519.6	19.07	534.0	19.28
		53.3	378.9	11.63	409.9	13.62	446.8	15.79	485.4	17.77	499.8	18.29	519.6	18.74	534.0	18.99
		106.5	378.9	10.67	409.9	12.73	446.8	14.84	485.4	16.62	499.8	17.00	519.6	17.45	534.0	17.84
		133.1	378.9	10.35	409.9	12.33	446.8	14.52	485.4	16.23	499.8	16.75	519.6	17.13	534.0	17.46
		159.8	378.9	10.19	409.9	12.13	446.8	14.35	485.4	16.03	499.8	16.63	519.6	16.97	534.0	17.26
120	59	42.6	374.4	15.75	405.4	18.32	441.7	21.27	479.9	23.97	494.2	24.58	513.5	25.18	527.9	25.56
		53.3	374.4	15.44	405.4	18.02	441.7	20.93	479.9	23.58	494.2	24.18	513.5	24.78	527.9	25.17
		106.5	374.4	14.18	405.4	16.83	441.7	19.61	479.9	22.06	494.2	22.59	513.5	23.19	527.9	23.65
		133.1	374.4	13.78	405.4	16.43	441.7	19.21	479.9	21.60	494.2	22.19	513.5	22.72	527.9	23.12
		159.8	374.4	13.58	405.4	16.23	441.7	19.01	479.9	21.36	494.2	21.99	513.5	22.49	527.9	22.85
	67	42.6	370.3	19.20	401.3	22.30	437.2	25.92	474.9	29.22	489.3	29.88	508.2	30.61	522.5	31.14
		53.3	370.3	18.81	401.3	21.93	437.2	25.50	474.9	28.75	489.3	29.41	508.2	30.14	522.5	30.67
		106.5	370.3	17.29	401.3	20.47	437.2	23.85	474.9	26.90	489.3	27.56	508.2	28.29	522.5	28.82
		133.1	370.3	16.83	401.3	20.07	437.2	23.38	474.9	26.37	489.3	27.03	508.2	27.69	522.5	28.15
		159.8	370.3	16.59	401.3	19.87	437.2	23.15	474.9	26.10	489.3	26.76	508.2	27.39	522.5	27.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM432DAS5

432,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	42.6	370.3	23.59	401.3	27.41	437.2	31.92	474.9	35.88	489.3	36.76	508.2	37.70	522.5	38.35
		53.3	370.3	23.12	401.3	26.96	437.2	31.40	474.9	35.31	489.3	36.17	508.2	37.10	522.5	37.76
		106.5	370.3	21.26	401.3	25.17	437.2	29.35	474.9	33.06	489.3	33.85	508.2	34.71	522.5	35.44
		133.1	370.3	20.67	401.3	24.64	437.2	28.75	474.9	32.39	489.3	33.19	508.2	34.05	522.5	34.58
		159.8	370.3	20.37	401.3	24.38	437.2	28.45	474.9	32.06	489.3	32.85	508.2	33.72	522.5	34.15
	86	42.6	370.3	28.44	401.3	33.13	437.2	38.59	474.9	43.43	489.3	44.42	508.2	45.57	522.5	46.36
		53.3	370.3	27.89	401.3	32.59	437.2	37.96	474.9	42.73	489.3	43.72	508.2	44.85	522.5	45.64
		106.5	370.3	25.70	401.3	30.47	437.2	35.44	474.9	39.95	489.3	40.94	508.2	42.00	522.5	42.79
		133.1	370.3	24.97	401.3	29.81	437.2	34.71	474.9	39.15	489.3	40.14	508.2	41.20	522.5	41.80
		159.8	370.3	24.61	401.3	29.48	437.2	34.34	474.9	38.75	489.3	39.74	508.2	40.80	522.5	41.30
	95	42.6	338.9	29.20	367.2	33.94	400.0	39.52	434.5	44.51	447.6	45.58	465.1	46.63	478.1	47.50
		53.3	338.9	28.62	367.2	33.39	400.0	38.89	434.5	43.79	447.6	44.85	465.1	45.91	478.1	46.77
		106.5	338.9	26.30	367.2	31.20	400.0	36.37	434.5	40.94	447.6	41.93	465.1	43.06	478.1	43.85
		133.1	338.9	25.57	367.2	30.54	400.0	35.64	434.5	40.14	447.6	41.14	465.1	42.20	478.1	42.86
		159.8	338.9	25.20	367.2	30.20	400.0	35.27	434.5	39.74	447.6	40.74	465.1	41.76	478.1	42.36
	104	42.6	307.5	31.42	333.1	36.49	362.7	42.55	394.6	47.87	406.3	49.01	422.0	50.20	433.6	51.13
		53.3	307.5	30.80	333.1	35.90	362.7	41.87	394.6	47.10	406.3	48.23	422.0	49.42	433.6	50.35
		106.5	307.5	28.35	333.1	33.59	362.7	39.15	394.6	44.05	406.3	45.11	422.0	46.31	433.6	47.23
		133.1	307.5	27.56	333.1	32.86	362.7	38.36	394.6	43.19	406.3	44.32	422.0	45.44	433.6	46.11
		159.8	307.5	27.16	333.1	32.49	362.7	37.96	394.6	42.76	406.3	43.92	422.0	45.01	433.6	45.54
	113	42.6	276.1	33.64	299.0	39.04	325.5	45.58	354.6	51.23	365.0	52.44	378.9	53.78	389.2	54.76
		53.3	276.1	32.99	299.0	38.42	325.5	44.85	354.6	50.41	365.0	51.60	378.9	52.93	389.2	53.92
		106.5	276.1	30.41	299.0	35.97	325.5	41.93	354.6	47.17	365.0	48.29	378.9	49.55	389.2	50.61
		133.1	276.1	29.55	299.0	35.18	325.5	41.07	354.6	46.24	365.0	47.50	378.9	48.69	389.2	49.35
		159.8	276.1	29.11	299.0	34.78	325.5	40.64	354.6	45.77	365.0	47.10	378.9	48.26	389.2	48.72
110	50	42.6	357.1	11.21	387.2	12.97	421.4	15.20	457.7	17.06	471.2	17.42	490.1	17.98	503.1	18.23
		53.3	357.1	10.98	387.2	12.76	421.4	14.94	457.7	16.78	471.2	17.17	490.1	17.69	503.1	17.94
		106.5	357.1	10.09	387.2	11.93	421.4	13.91	457.7	15.70	471.2	16.16	490.1	16.54	503.1	16.78
		133.1	357.1	9.83	387.2	11.68	421.4	13.59	457.7	15.45	471.2	15.69	490.1	16.21	503.1	16.40
		159.8	357.1	9.70	387.2	11.55	421.4	13.43	457.7	15.33	471.2	15.46	490.1	16.05	503.1	16.21
	59	42.6	355.1	15.01	384.7	17.44	418.8	20.34	455.2	22.89	468.7	23.42	487.1	24.03	500.5	24.43
		53.3	355.1	14.71	384.7	17.16	418.8	20.01	455.2	22.52	468.7	23.05	487.1	23.65	500.5	24.05
		106.5	355.1	13.51	384.7	16.03	418.8	18.68	455.2	21.07	468.7	21.60	487.1	22.13	500.5	22.52
		133.1	355.1	13.18	384.7	15.70	418.8	18.28	455.2	20.67	468.7	21.13	487.1	21.73	500.5	21.99
		159.8	355.1	13.02	384.7	15.53	418.8	18.08	455.2	20.47	468.7	20.90	487.1	21.53	500.5	21.73
	67	42.6	353.3	18.39	382.5	21.42	416.6	24.91	452.9	28.08	466.4	28.75	484.4	29.42	498.3	29.95
		53.3	353.3	18.02	382.5	21.07	416.6	24.51	452.9	27.62	466.4	28.29	484.4	28.95	498.3	29.48
		106.5	353.3	16.56	382.5	19.67	416.6	22.92	452.9	25.84	466.4	26.43	484.4	27.09	498.3	27.62
		133.1	353.3	16.16	382.5	19.28	416.6	22.46	452.9	25.31	466.4	25.97	484.4	26.63	498.3	26.96
		159.8	353.3	15.96	382.5	19.08	416.6	22.22	452.9	25.04	466.4	25.73	484.4	26.40	498.3	26.63
	75	42.6	353.3	22.49	382.5	26.19	416.6	30.49	452.9	34.34	466.4	35.13	484.4	36.01	498.3	36.67
		53.3	353.3	22.06	382.5	25.77	416.6	30.01	452.9	33.78	466.4	34.58	484.4	35.44	498.3	36.10
		106.5	353.3	20.34	382.5	24.11	416.6	28.09	452.9	31.60	466.4	32.39	484.4	33.19	498.3	33.85
		133.1	353.3	19.74	382.5	23.58	416.6	27.49	452.9	31.00	466.4	31.73	484.4	32.59	498.3	32.99
		159.8	353.3	19.44	382.5	23.32	416.6	27.19	452.9	30.70	466.4	31.40	484.4	32.29	498.3	32.56
	86	42.6	353.3	27.43	382.5	31.92	416.6	37.17	452.9	41.89	466.4	42.88	484.4	43.88	498.3	44.69
		53.3	353.3	26.90	382.5	31.40	416.6	36.57	452.9	41.20	466.4	42.20	484.4	43.19	498.3	43.99
		106.5	353.3	24.78	382.5	29.35	416.6	34.18	452.9	38.49	466.4	39.48	484.4	40.48	498.3	41.20
		133.1	353.3	24.11	382.5	28.75	416.6	33.52	452.9	37.76	466.4	38.69	484.4	39.68	498.3	40.21
		159.8	353.3	23.78	382.5	28.45	416.6	33.19	452.9	37.39	466.4	38.29	484.4	39.28	498.3	39.71
	95	42.6	329.0	28.59	356.4	33.19	388.3	38.64	422.0	43.56	434.5	44.57	451.6	45.63	464.2	46.51
		53.3	329.0	28.02	356.4	32.66	388.3	38.02	422.0	42.86	434.5	43.85	451.6	44.91	464.2	45.78
		106.5	329.0	25.77	356.4	30.54	388.3	35.57	422.0	40.08	434.5	41.01	451.6	42.07	464.2	42.86
		133.1	329.0	25.04	356.4	29.88	388.3	34.84	422.0	39.28	434.5	40.28	451.6	41.27	464.2	41.80
		159.8	329.0	24.67	356.4	29.54	388.3	34.48	422.0	38.88	434.5	39.91	451.6	40.87	464.2	41.27

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	42.6	304.8	31.36	330.4	36.51	359.6	42.49	391.0	47.80	402.7	48.95	418.4	50.14	430.1	51.08
		53.3	304.8	30.74	330.4	35.90	359.6	41.80	391.0	47.03	402.7	48.16	418.4	49.35	430.1	50.28
		106.5	304.8	28.29	330.4	33.52	359.6	39.08	391.0	43.99	402.7	45.05	418.4	46.24	430.1	47.10
		133.1	304.8	27.49	330.4	32.79	359.6	38.29	391.0	43.13	402.7	44.25	418.4	45.38	430.1	45.91
		159.8	304.8	27.09	330.4	32.42	359.6	37.89	391.0	42.69	402.7	43.85	418.4	44.94	430.1	45.31
	113	42.6	280.6	34.12	304.4	39.82	330.8	46.33	360.0	52.04	370.8	53.32	385.2	54.64	395.9	55.65
		53.3	280.6	33.45	304.4	39.15	330.8	45.58	360.0	51.21	370.8	52.47	385.2	53.79	395.9	54.78
		106.5	280.6	30.80	304.4	36.50	330.8	42.60	360.0	47.89	370.8	49.09	385.2	50.41	395.9	51.34
		133.1	280.6	29.94	304.4	35.71	330.8	41.73	360.0	46.97	370.8	48.23	385.2	49.48	395.9	50.01
		159.8	280.6	29.51	304.4	35.31	330.8	41.30	360.0	46.50	370.8	47.79	385.2	49.02	395.9	49.35
100	50	42.6	335.8	10.60	363.6	12.33	395.9	14.15	430.5	16.13	443.5	16.35	460.6	16.91	473.6	17.23
		53.3	335.8	10.39	363.6	12.11	395.9	13.94	430.5	15.87	443.5	16.11	460.6	16.64	473.6	16.96
		106.5	335.8	9.56	363.6	11.28	395.9	13.12	430.5	14.86	443.5	15.17	460.6	15.55	473.6	15.87
		133.1	335.8	9.24	363.6	11.02	395.9	12.80	430.5	14.53	443.5	14.85	460.6	15.23	473.6	15.35
		159.8	335.8	9.08	363.6	10.89	395.9	12.64	430.5	14.37	443.5	14.68	460.6	15.07	473.6	15.09
	59	42.6	335.8	14.33	363.6	16.63	395.9	19.31	430.5	21.81	443.5	22.28	460.6	22.89	473.6	23.29
		53.3	335.8	14.04	363.6	16.36	395.9	19.01	430.5	21.46	443.5	21.93	460.6	22.52	473.6	22.92
		106.5	335.8	12.92	363.6	15.30	395.9	17.82	430.5	20.07	443.5	20.54	460.6	21.07	473.6	21.46
		133.1	335.8	12.52	363.6	14.97	395.9	17.42	430.5	19.67	443.5	20.14	460.6	20.67	473.6	20.87
		159.8	335.8	12.32	363.6	14.80	395.9	17.22	430.5	19.47	443.5	19.94	460.6	20.47	473.6	20.57
	67	42.6	335.8	17.64	363.6	20.46	395.9	23.90	430.5	26.87	443.5	27.55	460.6	28.21	473.6	28.67
		53.3	335.8	17.29	363.6	20.14	395.9	23.52	430.5	26.43	443.5	27.09	460.6	27.76	473.6	28.22
		106.5	335.8	15.90	363.6	18.88	395.9	21.99	430.5	24.71	443.5	25.31	460.6	25.97	473.6	26.43
		133.1	335.8	15.44	363.6	18.48	395.9	21.53	430.5	24.25	443.5	24.84	460.6	25.50	473.6	25.77
		159.8	335.8	15.20	363.6	18.28	395.9	21.30	430.5	24.01	443.5	24.61	460.6	25.27	473.6	25.44
	75	42.6	335.8	21.48	363.6	24.98	395.9	29.09	430.5	32.80	443.5	33.61	460.6	34.40	473.6	35.00
		53.3	335.8	21.07	363.6	24.58	395.9	28.62	430.5	32.26	443.5	33.06	460.6	33.85	473.6	34.45
		106.5	335.8	19.41	363.6	22.99	395.9	26.76	430.5	30.14	443.5	30.87	460.6	31.66	473.6	32.26
		133.1	335.8	18.88	363.6	22.52	395.9	26.23	430.5	29.55	443.5	30.27	460.6	31.07	473.6	31.40
		159.8	335.8	18.61	363.6	22.29	395.9	25.97	430.5	29.24	443.5	29.97	460.6	30.77	473.6	30.97
	86	42.6	335.8	26.42	363.6	30.78	395.9	35.83	430.5	40.33	443.5	41.28	460.6	42.27	473.6	43.08
		53.3	335.8	25.90	363.6	30.27	395.9	35.24	430.5	39.68	443.5	40.61	460.6	41.60	473.6	42.40
		106.5	335.8	23.85	363.6	28.29	395.9	32.92	430.5	37.10	443.5	37.96	460.6	38.95	473.6	39.68
		133.1	335.8	23.19	363.6	27.69	395.9	32.26	430.5	36.37	443.5	37.30	460.6	38.22	473.6	38.62
		159.8	335.8	22.85	363.6	27.39	395.9	31.93	430.5	36.00	443.5	36.96	460.6	37.86	473.6	38.09
	95	42.6	319.2	27.91	345.7	32.45	376.2	37.77	409.0	42.55	421.1	43.56	437.7	44.62	449.8	45.43
		53.3	319.2	27.36	345.7	31.93	376.2	37.16	409.0	41.87	421.1	42.86	437.7	43.92	449.8	44.72
		106.5	319.2	25.17	345.7	29.88	376.2	34.78	409.0	39.15	421.1	40.08	437.7	41.14	449.8	41.87
		133.1	319.2	24.51	345.7	29.21	376.2	34.05	409.0	38.42	421.1	39.35	437.7	40.34	449.8	40.74
		159.8	319.2	24.18	345.7	28.88	376.2	33.68	409.0	38.05	421.1	38.98	437.7	39.94	449.8	40.17
	104	42.6	302.1	31.37	327.3	36.42	356.4	42.42	387.4	47.74	399.1	48.88	414.8	50.09	426.0	50.95
		53.3	302.1	30.74	327.3	35.84	356.4	41.73	387.4	46.97	399.1	48.09	414.8	49.29	426.0	50.15
		106.5	302.1	28.22	327.3	33.52	356.4	39.02	387.4	43.92	399.1	44.98	414.8	46.11	426.0	46.97
		133.1	302.1	27.49	327.3	32.79	356.4	38.22	387.4	43.06	399.1	44.12	414.8	45.25	426.0	45.71
		159.8	302.1	27.12	327.3	32.42	356.4	37.82	387.4	42.63	399.1	43.68	414.8	44.81	426.0	45.07
	113	42.6	285.1	34.84	308.8	40.40	336.7	47.07	365.9	52.92	377.1	54.20	391.9	55.56	402.2	56.47
		53.3	285.1	34.12	308.8	39.75	336.7	46.31	365.9	52.07	377.1	53.33	391.9	54.65	402.2	55.58
		106.5	285.1	31.27	308.8	37.16	336.7	43.26	365.9	48.69	377.1	49.88	391.9	51.07	402.2	52.07
		133.1	285.1	30.47	308.8	36.37	336.7	42.40	365.9	47.70	377.1	48.89	391.9	50.15	402.2	50.68
		159.8	285.1	30.07	308.8	35.97	336.7	41.96	365.9	47.20	377.1	48.39	391.9	49.68	402.2	49.98
90	50	42.6	302.1	9.01	327.3	10.46	356.4	12.23	387.4	13.85	399.1	14.09	414.8	14.39	426.0	14.84
		53.3	302.1	8.85	327.3	10.32	356.4	12.04	387.4	13.64	399.1	13.89	414.8	14.20	426.0	14.60
		106.5	302.1	8.22	327.3	9.75	356.4	11.28	387.4	12.82	399.1	13.07	414.8	13.46	426.0	13.64
		133.1	302.1	7.97	327.3	9.42	356.4	11.09	387.4	12.42	399.1	12.81	414.8	13.20	426.0	13.18
		159.8	302.1	7.84	327.3	9.26	356.4	10.99	387.4	12.22	399.1	12.68	414.8	13.07	426.0	12.95

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA

ARWM432DAS5



432,000 Btu/h, Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	42.6	302.1	12.29	327.3	14.26	356.4	16.63	387.4	18.78	399.1	19.18	414.8	19.64	426.0	20.06
		53.3	302.1	12.06	327.3	14.04	356.4	16.36	387.4	18.48	399.1	18.88	414.8	19.34	426.0	19.74
		106.5	302.1	11.13	327.3	13.18	356.4	15.30	387.4	17.29	399.1	17.69	414.8	18.15	426.0	18.48
		133.1	302.1	10.80	327.3	12.85	356.4	15.04	387.4	16.89	399.1	17.36	414.8	17.82	426.0	17.95
		159.8	302.1	10.63	327.3	12.68	356.4	14.90	387.4	16.69	399.1	17.19	414.8	17.65	426.0	17.69
	67	42.6	302.1	15.21	327.3	17.64	356.4	20.54	387.4	23.17	399.1	23.70	414.8	24.32	426.0	24.70
		53.3	302.1	14.91	327.3	17.36	356.4	20.20	387.4	22.79	399.1	23.32	414.8	23.91	426.0	24.31
		106.5	302.1	13.71	327.3	16.23	356.4	18.88	387.4	21.26	399.1	21.79	414.8	22.32	426.0	22.79
		133.1	302.1	13.32	327.3	15.90	356.4	18.55	387.4	20.87	399.1	21.40	414.8	21.93	426.0	22.19
		159.8	302.1	13.11	327.3	15.73	356.4	18.38	387.4	20.67	399.1	21.20	414.8	21.73	426.0	21.89
	75	42.6	302.1	18.52	327.3	21.55	356.4	25.04	387.4	28.21	399.1	28.89	414.8	29.62	426.0	30.16
		53.3	302.1	18.15	327.3	21.20	356.4	24.64	387.4	27.76	399.1	28.42	414.8	29.15	426.0	29.68
		106.5	302.1	16.69	327.3	19.81	356.4	23.05	387.4	25.97	399.1	26.56	414.8	27.29	426.0	27.76
		133.1	302.1	16.23	327.3	19.34	356.4	22.59	387.4	25.44	399.1	26.10	414.8	26.76	426.0	27.03
		159.8	302.1	16.00	327.3	19.11	356.4	22.36	387.4	25.17	399.1	25.87	414.8	26.50	426.0	26.66
	86	42.6	302.1	22.78	327.3	26.47	356.4	30.84	387.4	34.75	399.1	35.55	414.8	36.42	426.0	37.10
		53.3	302.1	22.32	327.3	26.03	356.4	30.34	387.4	34.18	399.1	34.98	414.8	35.84	426.0	36.50
		106.5	302.1	20.54	327.3	24.31	356.4	28.35	387.4	31.93	399.1	32.72	414.8	33.52	426.0	34.12
		133.1	302.1	19.94	327.3	23.85	356.4	27.76	387.4	31.33	399.1	32.06	414.8	32.92	426.0	33.25
		159.8	302.1	19.64	327.3	23.61	356.4	27.46	387.4	31.03	399.1	31.73	414.8	32.62	426.0	32.82
	95	42.6	294.0	24.62	318.3	28.56	346.6	33.26	376.6	37.43	387.9	38.31	403.1	39.24	414.3	39.99
		53.3	294.0	24.11	318.3	28.09	346.6	32.72	376.6	36.83	387.9	37.69	403.1	38.62	414.3	39.35
		106.5	294.0	22.13	318.3	26.23	346.6	30.61	376.6	34.45	387.9	35.24	403.1	36.17	414.3	36.83
		133.1	294.0	21.53	318.3	25.70	346.6	29.94	376.6	33.78	387.9	34.65	403.1	35.51	414.3	35.84
		159.8	294.0	21.23	318.3	25.44	346.6	29.61	376.6	33.45	387.9	34.35	403.1	35.17	414.3	35.34
	104	42.6	285.5	28.26	309.3	32.80	336.7	38.16	365.9	43.03	377.1	44.03	391.4	45.10	402.7	45.90
		53.3	285.5	27.69	309.3	32.26	336.7	37.56	365.9	42.33	377.1	43.32	391.4	44.38	402.7	45.18
		106.5	285.5	25.44	309.3	30.14	336.7	35.18	365.9	39.55	377.1	40.54	391.4	41.54	402.7	42.33
		133.1	285.5	24.71	309.3	29.55	336.7	34.45	365.9	38.82	377.1	39.75	391.4	40.81	402.7	41.20
		159.8	285.5	24.34	309.3	29.24	336.7	34.08	365.9	38.45	377.1	39.35	391.4	40.44	402.7	40.64
	113	42.6	277.0	31.90	300.3	37.04	326.8	43.07	355.1	48.63	366.3	49.74	379.8	50.97	391.0	51.81
		53.3	277.0	31.27	300.3	36.43	326.8	42.40	355.1	47.83	366.3	48.95	379.8	50.15	391.0	51.01
		106.5	277.0	28.75	300.3	34.05	326.8	39.75	355.1	44.65	366.3	45.84	379.8	46.90	391.0	47.83
		133.1	277.0	27.89	300.3	33.39	326.8	38.95	355.1	43.85	366.3	44.85	379.8	46.11	391.0	46.57
		159.8	277.0	27.46	300.3	33.05	326.8	38.55	355.1	43.45	366.3	44.35	379.8	45.71	391.0	45.94
80	50	42.6	268.4	7.71	290.9	8.77	316.9	10.20	344.3	11.69	354.6	11.83	368.6	12.19	378.9	12.29
		53.3	268.4	7.53	290.9	8.66	316.9	10.06	344.3	11.48	354.6	11.66	368.6	11.98	378.9	12.10
		106.5	268.4	6.81	290.9	8.23	316.9	9.50	344.3	10.64	354.6	10.96	368.6	11.15	378.9	11.34
		133.1	268.4	6.77	290.9	7.97	316.9	9.31	344.3	10.45	354.6	10.63	368.6	10.96	378.9	11.09
		159.8	268.4	6.74	290.9	7.83	316.9	9.21	344.3	10.35	354.6	10.47	368.6	10.86	378.9	10.96
	59	42.6	268.4	10.35	290.9	11.98	316.9	13.93	344.3	15.77	354.6	16.08	368.6	16.50	378.9	16.76
		53.3	268.4	10.14	290.9	11.79	316.9	13.71	344.3	15.50	354.6	15.83	368.6	16.23	378.9	16.49
		106.5	268.4	9.27	290.9	11.06	316.9	12.85	344.3	14.44	354.6	14.84	368.6	15.17	378.9	15.44
		133.1	268.4	9.08	290.9	10.80	316.9	12.59	344.3	14.18	354.6	14.51	368.6	14.91	378.9	15.04
		159.8	268.4	8.98	290.9	10.66	316.9	12.45	344.3	14.04	354.6	14.34	368.6	14.77	378.9	14.84
	67	42.6	268.4	12.70	290.9	14.82	316.9	17.24	344.3	19.40	354.6	19.86	368.6	20.32	378.9	20.74
		53.3	268.4	12.45	290.9	14.57	316.9	16.96	344.3	19.08	354.6	19.54	368.6	20.01	378.9	20.40
		106.5	268.4	11.46	290.9	13.58	316.9	15.83	344.3	17.82	354.6	18.28	368.6	18.75	378.9	19.08
		133.1	268.4	11.13	290.9	13.32	316.9	15.50	344.3	17.49	354.6	17.95	368.6	18.42	378.9	18.55
		159.8	268.4	10.96	290.9	13.18	316.9	15.33	344.3	17.32	354.6	17.79	368.6	18.25	378.9	18.28
	75	42.6	268.4	15.55	290.9	18.05	316.9	21.00	344.3	23.62	354.6	24.25	368.6	24.85	378.9	25.24
		53.3	268.4	15.24	290.9	17.75	316.9	20.67	344.3	23.25	354.6	23.85	368.6	24.44	378.9	24.84
		106.5	268.4	13.98	290.9	16.56	316.9	19.34	344.3	21.79	354.6	22.26	368.6	22.85	378.9	23.25
		133.1	268.4	13.58	290.9	16.23	316.9	18.95	344.3	21.33	354.6	21.86	368.6	22.46	378.9	22.66
		159.8	268.4	13.38	290.9	16.06	316.9	18.75	344.3	21.10	354.6	21.66	368.6	22.26	378.9	22.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	42.6	268.4	19.05	290.9	22.15	316.9	25.86	344.3	29.09	354.6	29.75	368.6	30.49	378.9	31.11
		53.3	268.4	18.68	290.9	21.79	316.9	25.44	344.3	28.62	354.6	29.28	368.6	30.01	378.9	30.61
		106.5	268.4	17.22	290.9	20.40	316.9	23.78	344.3	26.76	354.6	27.43	368.6	28.09	378.9	28.62
		133.1	268.4	16.76	290.9	19.94	316.9	23.25	344.3	26.23	354.6	26.90	368.6	27.56	378.9	27.89
		159.8	268.4	16.53	290.9	19.71	316.9	22.98	344.3	25.97	354.6	26.63	368.6	27.29	378.9	27.52
	95	42.6	268.4	21.22	290.9	24.65	316.9	28.67	344.3	32.32	354.6	33.13	368.6	33.94	378.9	34.54
		53.3	268.4	20.80	290.9	24.25	316.9	28.22	344.3	31.80	354.6	32.59	368.6	33.39	378.9	33.98
		106.5	268.4	19.14	290.9	22.66	316.9	26.43	344.3	29.74	354.6	30.47	368.6	31.20	378.9	31.80
		133.1	268.4	18.61	290.9	22.19	316.9	25.90	344.3	29.15	354.6	29.88	368.6	30.67	378.9	30.94
		159.8	268.4	18.35	290.9	21.96	316.9	25.63	344.3	28.85	354.6	29.58	368.6	30.40	378.9	30.50
	104	42.6	268.4	25.14	290.9	29.24	316.9	34.01	344.3	38.31	354.6	39.19	368.6	40.20	378.9	40.86
		53.3	268.4	24.64	290.9	28.75	316.9	33.45	344.3	37.69	354.6	38.55	368.6	39.55	378.9	40.21
		106.5	268.4	22.66	290.9	26.83	316.9	31.27	344.3	35.24	354.6	36.04	368.6	36.96	378.9	37.63
		133.1	268.4	21.99	290.9	26.30	316.9	30.61	344.3	34.51	354.6	35.37	368.6	36.30	378.9	36.63
		159.8	268.4	21.66	290.9	26.03	316.9	30.27	344.3	34.15	354.6	35.04	368.6	35.97	378.9	36.13
	113	42.6	268.4	29.07	290.9	33.82	316.9	39.34	344.3	44.31	354.6	45.25	368.6	46.46	378.9	47.19
		53.3	268.4	28.49	290.9	33.25	316.9	38.69	344.3	43.59	354.6	44.52	368.6	45.71	378.9	46.44
		106.5	268.4	26.17	290.9	31.00	316.9	36.10	344.3	40.74	354.6	41.60	368.6	42.73	378.9	43.46
		133.1	268.4	25.37	290.9	30.41	316.9	35.31	344.3	39.88	354.6	40.87	368.6	41.93	378.9	42.33
		159.8	268.4	24.97	290.9	30.11	316.9	34.91	344.3	39.45	354.6	40.51	368.6	41.53	378.9	41.76
70	50	42.6	235.2	6.29	254.5	7.33	277.4	8.47	301.2	9.55	310.2	9.92	322.3	10.17	331.3	10.20
		53.3	235.2	6.18	254.5	7.20	277.4	8.34	301.2	9.42	310.2	9.75	322.3	10.01	331.3	10.06
		106.5	235.2	5.74	254.5	6.68	277.4	7.83	301.2	8.93	310.2	9.12	322.3	9.37	331.3	9.50
		133.1	235.2	5.61	254.5	6.56	277.4	7.71	301.2	8.66	310.2	8.85	322.3	9.11	331.3	9.24
		159.8	235.2	5.55	254.5	6.50	277.4	7.65	301.2	8.53	310.2	8.72	322.3	8.98	331.3	9.11
	59	42.6	235.2	8.58	254.5	9.97	277.4	11.58	301.2	13.05	310.2	13.40	322.3	13.73	331.3	13.93
		53.3	235.2	8.41	254.5	9.80	277.4	11.39	301.2	12.85	310.2	13.18	322.3	13.51	331.3	13.71
		106.5	235.2	7.75	254.5	9.14	277.4	10.67	301.2	12.06	310.2	12.32	322.3	12.65	331.3	12.85
		133.1	235.2	7.55	254.5	8.94	277.4	10.47	301.2	11.79	310.2	12.06	322.3	12.39	331.3	12.52
		159.8	235.2	7.45	254.5	8.84	277.4	10.37	301.2	11.66	310.2	11.92	322.3	12.25	331.3	12.35
	67	42.6	235.2	10.62	254.5	12.32	277.4	14.34	301.2	16.17	310.2	16.50	322.3	16.90	331.3	17.24
		53.3	235.2	10.40	254.5	12.12	277.4	14.11	301.2	15.90	310.2	16.23	322.3	16.63	331.3	16.96
		106.5	235.2	9.54	254.5	11.33	277.4	13.18	301.2	14.84	310.2	15.17	322.3	15.57	331.3	15.83
		133.1	235.2	9.27	254.5	11.06	277.4	12.92	301.2	14.57	310.2	14.91	322.3	15.30	331.3	15.44
		159.8	235.2	9.14	254.5	10.93	277.4	12.78	301.2	14.44	310.2	14.77	322.3	15.17	331.3	15.23
	75	42.6	235.2	12.90	254.5	15.02	277.4	17.43	301.2	19.66	310.2	20.13	322.3	20.59	331.3	21.00
		53.3	235.2	12.65	254.5	14.77	277.4	17.16	301.2	19.34	310.2	19.81	322.3	20.27	331.3	20.67
		106.5	235.2	11.66	254.5	13.78	277.4	16.10	301.2	18.08	310.2	18.55	322.3	19.01	331.3	19.34
		133.1	235.2	11.33	254.5	13.51	277.4	15.77	301.2	17.75	310.2	18.15	322.3	18.61	331.3	18.81
		159.8	235.2	11.16	254.5	13.38	277.4	15.60	301.2	17.59	310.2	17.95	322.3	18.41	331.3	18.55
	86	42.6	235.2	15.89	254.5	18.45	277.4	21.48	301.2	24.17	310.2	24.78	322.3	25.38	331.3	25.86
		53.3	235.2	15.57	254.5	18.15	277.4	21.13	301.2	23.78	310.2	24.38	322.3	24.97	331.3	25.44
		106.5	235.2	14.31	254.5	16.96	277.4	19.74	301.2	22.26	310.2	22.79	322.3	23.38	331.3	23.78
		133.1	235.2	13.91	254.5	16.63	277.4	19.34	301.2	21.79	310.2	22.39	322.3	22.92	331.3	23.19
		159.8	235.2	13.71	254.5	16.46	277.4	19.14	301.2	21.56	310.2	22.19	322.3	22.69	331.3	22.89
	95	42.6	235.2	17.64	254.5	20.46	277.4	23.92	301.2	26.87	310.2	27.55	322.3	28.21	331.3	28.67
		53.3	235.2	17.29	254.5	20.14	277.4	23.52	301.2	26.43	310.2	27.09	322.3	27.76	331.3	28.22
		106.5	235.2	15.90	254.5	18.88	277.4	21.93	301.2	24.71	310.2	25.31	322.3	25.97	331.3	26.43
		133.1	235.2	15.44	254.5	18.42	277.4	21.53	301.2	24.25	310.2	24.84	322.3	25.50	331.3	25.77
		159.8	235.2	15.20	254.5	18.18	277.4	21.33	301.2	24.01	310.2	24.61	322.3	25.27	331.3	25.44
	104	42.6	235.2	20.89	254.5	24.23	277.4	28.27	301.2	31.85	310.2	32.58	322.3	33.39	331.3	33.99
		53.3	235.2	20.47	254.5	23.85	277.4	27.82	301.2	31.33	310.2	32.06	322.3	32.86	331.3	33.45
		106.5	235.2	18.81	254.5	22.32	277.4	26.03	301.2	29.28	310.2	30.01	322.3	30.74	331.3	31.33
		133.1	235.2	18.28	254.5	21.86	277.4	25.44	301.2	28.68	310.2	29.41	322.3	30.21	331.3	30.47
		159.8	235.2	18.02	254.5	21.63	277.4	25.14	301.2	28.38	310.2	29.11	322.3	29.94	331.3	30.04

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

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# COOLING CAPACITY DATA



ARWM432DAS5

432,000 Btu/h, 460V Heat Pump/Heat Recovery Units

MULTI V Water 5 Outdoor Unit Performance Data Manual

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	42.6	235.2	24.13	254.5	28.01	277.4	32.63	301.2	36.84	310.2	37.62	322.3	38.58	331.3	39.31
		53.3	235.2	23.65	254.5	27.56	277.4	32.13	301.2	36.24	310.2	37.03	322.3	37.96	331.3	38.69
		106.5	235.2	21.73	254.5	25.77	277.4	30.14	301.2	33.85	310.2	34.71	322.3	35.51	331.3	36.24
		133.1	235.2	21.13	254.5	25.31	277.4	29.35	301.2	33.12	310.2	33.98	322.3	34.91	331.3	35.18
		159.8	235.2	20.83	254.5	25.07	277.4	28.95	301.2	32.76	310.2	33.62	322.3	34.61	331.3	34.64
60	50	42.6	201.6	5.00	218.2	5.83	237.5	6.69	258.1	7.71	266.2	7.92	276.5	8.01	284.2	8.13
		53.3	201.6	4.90	218.2	5.73	237.5	6.62	258.1	7.59	266.2	7.78	276.5	7.90	284.2	8.02
		106.5	201.6	4.52	218.2	5.35	237.5	6.31	258.1	7.07	266.2	7.20	276.5	7.46	284.2	7.59
		133.1	201.6	4.32	218.2	5.29	237.5	6.19	258.1	6.95	266.2	7.07	276.5	7.26	284.2	7.39
		159.8	201.6	4.22	218.2	5.26	237.5	6.12	258.1	6.88	266.2	7.01	276.5	7.16	284.2	7.30
	59	42.6	201.6	6.82	218.2	7.95	237.5	9.21	258.1	10.44	266.2	10.72	276.5	10.90	284.2	11.10
		53.3	201.6	6.69	218.2	7.82	237.5	9.08	258.1	10.27	266.2	10.53	276.5	10.73	284.2	10.93
		106.5	201.6	6.16	218.2	7.29	237.5	8.55	258.1	9.61	266.2	9.80	276.5	10.07	284.2	10.27
		133.1	201.6	5.96	218.2	7.15	237.5	8.35	258.1	9.41	266.2	9.61	276.5	9.87	284.2	10.00
		159.8	201.6	5.86	218.2	7.09	237.5	8.25	258.1	9.31	266.2	9.51	276.5	9.77	284.2	9.87
	67	42.6	201.6	8.45	218.2	9.84	237.5	11.45	258.1	12.85	266.2	13.20	276.5	13.47	284.2	13.73
		53.3	201.6	8.28	218.2	9.67	237.5	11.26	258.1	12.65	266.2	12.98	276.5	13.25	284.2	13.51
		106.5	201.6	7.62	218.2	9.01	237.5	10.53	258.1	11.86	266.2	12.12	276.5	12.39	284.2	12.65
		133.1	201.6	7.42	218.2	8.81	237.5	10.27	258.1	11.59	266.2	11.86	276.5	12.19	284.2	12.32
		159.8	201.6	7.32	218.2	8.71	237.5	10.13	258.1	11.46	266.2	11.72	276.5	12.09	284.2	12.15
	75	42.6	201.6	10.27	218.2	11.99	237.5	13.95	258.1	15.69	266.2	16.02	276.5	16.41	284.2	16.76
		53.3	201.6	10.07	218.2	11.79	237.5	13.71	258.1	15.44	266.2	15.77	276.5	16.16	284.2	16.49
		106.5	201.6	9.27	218.2	11.00	237.5	12.79	258.1	14.44	266.2	14.77	276.5	15.17	284.2	15.44
		133.1	201.6	9.01	218.2	10.73	237.5	12.52	258.1	14.11	266.2	14.51	276.5	14.84	284.2	15.04
		159.8	201.6	8.88	218.2	10.60	237.5	12.39	258.1	13.94	266.2	14.37	276.5	14.67	284.2	14.84
	86	42.6	201.6	12.64	218.2	14.68	237.5	17.09	258.1	19.25	266.2	19.73	276.5	20.19	284.2	20.61
		53.3	201.6	12.39	218.2	14.44	237.5	16.83	258.1	18.95	266.2	19.41	276.5	19.87	284.2	20.27
		106.5	201.6	11.39	218.2	13.51	237.5	15.77	258.1	17.75	266.2	18.15	276.5	18.61	284.2	18.95
		133.1	201.6	11.06	218.2	13.25	237.5	15.44	258.1	17.42	266.2	17.82	276.5	18.28	284.2	18.48
		159.8	201.6	10.90	218.2	13.12	237.5	15.27	258.1	17.26	266.2	17.65	276.5	18.12	284.2	18.25
	95	42.6	201.6	14.06	218.2	16.37	237.5	19.07	258.1	21.40	266.2	21.95	276.5	22.49	284.2	22.89
		53.3	201.6	13.78	218.2	16.10	237.5	18.75	258.1	21.07	266.2	21.60	276.5	22.13	284.2	22.52
		106.5	201.6	12.65	218.2	15.04	237.5	17.49	258.1	19.74	266.2	20.20	276.5	20.67	284.2	21.07
		133.1	201.6	12.32	218.2	14.71	237.5	17.16	258.1	19.34	266.2	19.81	276.5	20.34	284.2	20.54
		159.8	201.6	12.15	218.2	14.54	237.5	16.99	258.1	19.14	266.2	19.61	276.5	20.17	284.2	20.27
	104	42.6	201.6	16.61	218.2	19.31	237.5	22.56	258.1	25.39	266.2	25.99	276.5	26.58	284.2	27.13
		53.3	201.6	16.30	218.2	19.01	237.5	22.19	258.1	24.97	266.2	25.57	276.5	26.17	284.2	26.70
		106.5	201.6	15.04	218.2	17.82	237.5	20.73	258.1	23.32	266.2	23.91	276.5	24.51	284.2	24.97
		133.1	201.6	14.57	218.2	17.42	237.5	20.34	258.1	22.85	266.2	23.45	276.5	24.05	284.2	24.31
		159.8	201.6	14.34	218.2	17.22	237.5	20.14	258.1	22.62	266.2	23.22	276.5	23.81	284.2	23.98
	113	42.6	201.6	19.16	218.2	22.26	237.5	26.05	258.1	29.38	266.2	30.03	276.5	30.68	284.2	31.37
		53.3	201.6	18.81	218.2	21.93	237.5	25.64	258.1	28.88	266.2	29.55	276.5	30.21	284.2	30.87
		106.5	201.6	17.42	218.2	20.60	237.5	23.98	258.1	26.90	266.2	27.62	276.5	28.35	284.2	28.88
		133.1	201.6	16.83	218.2	20.14	237.5	23.52	258.1	26.37	266.2	27.09	276.5	27.76	284.2	28.09
		159.8	201.6	16.53	218.2	19.90	237.5	23.28	258.1	26.10	266.2	26.83	276.5	27.46	284.2	27.69
50	50	42.6	167.9	3.71	181.8	4.33	198.0	5.21	215.5	5.69	221.8	5.79	230.3	6.04	236.6	6.08
		53.3	167.9	3.63	181.8	4.26	198.0	5.11	215.5	5.61	221.8	5.73	230.3	5.93	236.6	5.99
		106.5	167.9	3.30	181.8	4.02	198.0	4.72	215.5	5.29	221.8	5.49	230.3	5.47	236.6	5.61
		133.1	167.9	3.25	181.8	4.02	198.0	4.59	215.5	5.16	221.8	5.22	230.3	5.42	236.6	5.41
		159.8	167.9	3.22	181.8	4.03	198.0	4.52	215.5	5.09	221.8	5.08	230.3	5.39	236.6	5.31
	59	42.6	167.9	5.07	181.8	5.93	198.0	6.94	215.5	7.74	221.8	7.93	230.3	8.15	236.6	8.28
		53.3	167.9	4.97	181.8	5.83	198.0	6.82	215.5	7.62	221.8	7.82	230.3	8.02	236.6	8.15
		106.5	167.9	4.57	181.8	5.43	198.0	6.36	215.5	7.15	221.8	7.35	230.3	7.49	236.6	7.62
		133.1	167.9	4.44	181.8	5.37	198.0	6.23	215.5	7.02	221.8	7.15	230.3	7.35	236.6	7.42
		159.8	167.9	4.37	181.8	5.33	198.0	6.16	215.5	6.96	221.8	7.05	230.3	7.29	236.6	7.32

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	42.6	167.9	6.28	181.8	7.35	198.0	8.48	215.5	9.56	221.8	9.84	230.3	10.02	236.6	10.24
		53.3	167.9	6.16	181.8	7.22	198.0	8.35	215.5	9.41	221.8	9.67	230.3	9.87	236.6	10.07
		106.5	167.9	5.70	181.8	6.69	198.0	7.82	215.5	8.81	221.8	9.01	230.3	9.27	236.6	9.41
		133.1	167.9	5.50	181.8	6.56	198.0	7.68	215.5	8.68	221.8	8.88	230.3	9.08	236.6	9.21
		159.8	167.9	5.40	181.8	6.49	198.0	7.62	215.5	8.61	221.8	8.81	230.3	8.98	236.6	9.11
	75	42.6	167.9	7.64	181.8	8.88	198.0	10.37	215.5	11.73	221.8	11.99	230.3	12.26	236.6	12.44
		53.3	167.9	7.49	181.8	8.74	198.0	10.20	215.5	11.53	221.8	11.79	230.3	12.06	236.6	12.26
		106.5	167.9	6.89	181.8	8.21	198.0	9.54	215.5	10.73	221.8	11.00	230.3	11.26	236.6	11.53
		133.1	167.9	6.69	181.8	8.02	198.0	9.34	215.5	10.53	221.8	10.80	230.3	11.06	236.6	11.20
		159.8	167.9	6.59	181.8	7.92	198.0	9.24	215.5	10.43	221.8	10.70	230.3	10.96	236.6	11.03
	86	42.6	167.9	9.48	181.8	10.98	198.0	12.80	215.5	14.41	221.8	14.76	230.3	15.07	236.6	15.35
		53.3	167.9	9.27	181.8	10.80	198.0	12.59	215.5	14.18	221.8	14.51	230.3	14.84	236.6	15.10
		106.5	167.9	8.48	181.8	10.07	198.0	11.73	215.5	13.25	221.8	13.51	230.3	13.91	236.6	14.11
		133.1	167.9	8.28	181.8	9.87	198.0	11.53	215.5	12.98	221.8	13.32	230.3	13.65	236.6	13.78
		159.8	167.9	8.18	181.8	9.77	198.0	11.43	215.5	12.85	221.8	13.22	230.3	13.51	236.6	13.61
	95	42.6	167.9	10.47	181.8	12.19	198.0	14.21	215.5	15.95	221.8	16.37	230.3	16.76	236.6	17.03
		53.3	167.9	10.27	181.8	11.99	198.0	13.98	215.5	15.70	221.8	16.10	230.3	16.49	236.6	16.76
		106.5	167.9	9.47	181.8	11.20	198.0	13.05	215.5	14.71	221.8	15.04	230.3	15.44	236.6	15.70
		133.1	167.9	9.21	181.8	11.00	198.0	12.79	215.5	14.44	221.8	14.77	230.3	15.17	236.6	15.30
		159.8	167.9	9.07	181.8	10.90	198.0	12.65	215.5	14.31	221.8	14.64	230.3	15.04	236.6	15.10
	104	42.6	167.9	12.44	181.8	14.41	198.0	16.85	215.5	18.92	221.8	19.40	230.3	19.86	236.6	20.19
		53.3	167.9	12.19	181.8	14.18	198.0	16.56	215.5	18.61	221.8	19.08	230.3	19.54	236.6	19.87
		106.5	167.9	11.20	181.8	13.25	198.0	15.44	215.5	17.42	221.8	17.82	230.3	18.28	236.6	18.61
		133.1	167.9	10.86	181.8	12.98	198.0	15.17	215.5	17.09	221.8	17.49	230.3	17.95	236.6	18.08
		159.8	167.9	10.70	181.8	12.85	198.0	15.04	215.5	16.92	221.8	17.32	230.3	17.79	236.6	17.82
	113	42.6	167.9	14.41	181.8	16.63	198.0	19.48	215.5	21.88	221.8	22.43	230.3	22.96	236.6	23.36
		53.3	167.9	14.11	181.8	16.36	198.0	19.14	215.5	21.53	221.8	22.06	230.3	22.59	236.6	22.99
		106.5	167.9	12.92	181.8	15.30	198.0	17.82	215.5	20.14	221.8	20.60	230.3	21.13	236.6	21.53
		133.1	167.9	12.52	181.8	14.97	198.0	17.55	215.5	19.74	221.8	20.20	230.3	20.73	236.6	20.87
		159.8	167.9	12.32	181.8	14.80	198.0	17.42	215.5	19.54	221.8	20.00	230.3	20.53	236.6	20.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM504DAS5

504,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	50	52.8	468.6	15.35	507.5	18.01	552.3	20.97	600.2	23.51	618.6	24.04	642.9	24.83	660.7	25.18
		66.1	468.6	15.08	507.5	17.69	552.3	20.61	600.2	23.13	618.6	23.69	642.9	24.41	660.7	24.80
		131.9	468.6	13.98	507.5	16.41	552.3	19.18	600.2	21.63	618.6	22.28	642.9	22.74	660.7	23.30
		150.5	468.6	13.72	507.5	16.27	552.3	18.98	600.2	21.32	618.6	21.96	642.9	22.48	660.7	22.88
		174.9	468.6	13.38	507.5	16.08	552.3	18.72	600.2	20.91	618.6	21.55	642.9	22.15	660.7	22.33
	59	52.8	460.9	20.25	499.3	23.60	543.4	27.50	590.7	30.89	608.6	31.63	632.2	32.46	650.1	33.02
		66.1	460.9	19.86	499.3	23.21	543.4	27.05	590.7	30.40	608.6	31.13	632.2	31.95	650.1	32.52
		131.9	460.9	18.30	499.3	21.65	543.4	25.25	590.7	28.43	608.6	29.17	632.2	29.91	650.1	30.56
		150.5	460.9	17.98	499.3	21.39	543.4	24.93	590.7	28.06	608.6	28.80	632.2	29.54	650.1	30.08
		174.9	460.9	17.57	499.3	21.04	543.4	24.51	590.7	27.57	608.6	28.31	632.2	29.05	650.1	29.45
	67	52.8	454.1	24.60	491.9	28.56	535.5	33.30	582.3	37.45	599.6	38.37	622.8	39.25	640.6	39.98
		66.1	454.1	24.10	491.9	28.11	535.5	32.77	582.3	36.85	599.6	37.75	622.8	38.65	640.6	39.38
		131.9	454.1	22.14	491.9	26.31	535.5	30.64	582.3	34.48	599.6	35.30	622.8	36.28	640.6	37.01
		150.5	454.1	21.77	491.9	25.94	535.5	30.22	582.3	34.06	599.6	34.88	622.8	35.80	640.6	36.48
		174.9	454.1	21.28	491.9	25.45	535.5	29.66	582.3	33.50	599.6	34.32	622.8	35.17	640.6	35.79
	75	52.8	454.1	30.34	491.9	35.20	535.5	41.02	582.3	46.28	599.6	47.34	622.8	48.46	640.6	49.28
		66.1	454.1	29.74	491.9	34.64	535.5	40.36	582.3	45.51	599.6	46.57	622.8	47.72	640.6	48.54
		131.9	454.1	27.37	491.9	32.44	535.5	37.75	582.3	42.49	599.6	43.55	622.8	44.78	640.6	45.59
		150.5	454.1	26.84	491.9	31.96	535.5	37.27	582.3	41.96	599.6	43.02	622.8	44.19	640.6	44.95
		174.9	454.1	26.14	491.9	31.33	535.5	36.64	582.3	41.26	599.6	42.32	622.8	43.42	640.6	44.12
	86	52.8	454.1	36.45	491.9	42.27	535.5	49.24	582.3	55.49	599.6	56.80	622.8	58.19	640.6	59.15
		66.1	454.1	35.71	491.9	41.59	535.5	48.45	582.3	54.58	599.6	55.89	622.8	57.28	640.6	58.26
		131.9	454.1	32.77	491.9	38.89	535.5	45.35	582.3	50.99	599.6	52.29	622.8	53.68	640.6	54.74
		150.5	454.1	32.18	491.9	38.36	535.5	44.71	582.3	50.35	599.6	51.65	622.8	52.99	640.6	53.94
		174.9	454.1	31.41	491.9	37.66	535.5	43.87	582.3	49.51	599.6	50.82	622.8	52.09	640.6	52.90
	95	52.8	408.9	36.76	442.5	42.78	481.9	49.83	524.0	56.04	539.7	57.47	560.8	58.86	576.5	59.80
		66.1	408.9	36.03	442.5	42.08	481.9	49.03	524.0	55.15	539.7	56.54	560.8	57.93	576.5	58.91
		131.9	408.9	33.17	442.5	39.30	481.9	45.84	524.0	51.64	539.7	52.87	560.8	54.25	576.5	55.40
		150.5	408.9	32.59	442.5	38.77	481.9	45.20	524.0	50.95	539.7	52.23	560.8	53.56	576.5	54.55
		174.9	408.9	31.82	442.5	38.07	481.9	44.36	524.0	50.04	539.7	51.39	560.8	52.66	576.5	53.43
	104	52.8	363.2	38.86	393.6	45.09	428.3	52.57	465.6	59.13	479.8	60.52	498.2	61.99	512.4	63.13
		66.1	363.2	38.08	393.6	44.37	428.3	51.72	465.6	58.18	479.8	59.57	498.2	61.04	512.4	62.18
		131.9	363.2	34.97	393.6	41.51	428.3	48.37	465.6	54.42	479.8	55.81	498.2	57.28	512.4	58.42
		150.5	363.2	34.33	393.6	40.93	428.3	47.68	465.6	53.73	479.8	55.12	498.2	56.54	512.4	57.57
		174.9	363.2	33.50	393.6	40.16	428.3	46.77	465.6	52.82	479.8	54.21	498.2	55.56	512.4	56.46
	113	52.8	317.4	40.97	344.8	47.40	374.7	55.31	407.3	62.21	419.9	63.56	435.7	65.11	448.3	66.46
		66.1	317.4	40.12	344.8	46.66	374.7	54.42	407.3	61.20	419.9	62.59	435.7	64.14	448.3	65.45
		131.9	317.4	36.77	344.8	43.71	374.7	50.90	407.3	57.20	419.9	58.75	435.7	60.30	448.3	61.45
		150.5	317.4	36.08	344.8	43.07	374.7	50.16	407.3	56.51	419.9	58.01	435.7	59.50	448.3	60.60
		174.9	317.4	35.17	344.8	42.24	374.7	49.18	407.3	55.60	419.9	57.03	435.7	58.46	448.3	59.48
120	50	52.8	443.6	14.65	479.9	17.08	523.1	19.77	568.3	22.28	585.1	22.96	608.3	23.52	625.1	23.78
		66.1	443.6	14.35	479.9	16.80	523.1	19.48	568.3	21.92	585.1	22.56	608.3	23.11	625.1	23.42
		131.9	443.6	13.17	479.9	15.70	523.1	18.30	568.3	20.50	585.1	20.97	608.3	21.52	625.1	22.00
		150.5	443.6	12.91	479.9	15.38	523.1	18.04	568.3	20.19	585.1	20.77	608.3	21.27	625.1	21.69
		174.9	443.6	12.57	479.9	14.96	523.1	17.70	568.3	19.78	585.1	20.51	608.3	20.94	625.1	21.29
	59	52.8	438.3	19.43	474.6	22.60	517.1	26.23	561.8	29.56	578.6	30.32	601.2	31.05	618.0	31.52
		66.1	438.3	19.04	474.6	22.22	517.1	25.82	561.8	29.09	578.6	29.82	601.2	30.56	618.0	31.05
		131.9	438.3	17.49	474.6	20.75	517.1	24.19	561.8	27.21	578.6	27.86	601.2	28.60	618.0	29.17
		150.5	438.3	17.17	474.6	20.43	517.1	23.87	561.8	26.84	578.6	27.54	601.2	28.23	618.0	28.75
		174.9	438.3	16.75	474.6	20.02	517.1	23.45	561.8	26.35	578.6	27.13	601.2	27.74	618.0	28.19
	67	52.8	433.6	23.68	469.8	27.50	511.9	31.97	556.0	36.04	572.8	36.86	594.9	37.76	611.7	38.41
		66.1	433.6	23.21	469.8	27.05	511.9	31.46	556.0	35.46	572.8	36.28	594.9	37.18	611.7	37.83
		131.9	433.6	21.33	469.8	25.25	511.9	29.42	556.0	33.17	572.8	33.99	594.9	34.89	611.7	35.54
		150.5	433.6	20.96	469.8	24.93	511.9	29.05	556.0	32.75	572.8	33.57	594.9	34.41	611.7	35.01
		174.9	433.6	20.47	469.8	24.51	511.9	28.56	556.0	32.19	572.8	33.01	594.9	33.78	611.7	34.31

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	52.8	433.6	29.09	469.8	33.81	511.9	39.37	556.0	44.25	572.8	45.34	594.9	46.50	611.7	47.30
		66.1	433.6	28.52	469.8	33.26	511.9	38.73	556.0	43.55	572.8	44.61	594.9	45.76	611.7	46.57
		131.9	433.6	26.23	469.8	31.05	511.9	36.20	556.0	40.77	572.8	41.75	594.9	42.82	611.7	43.71
		150.5	433.6	25.75	469.8	30.63	511.9	35.72	556.0	40.24	572.8	41.22	594.9	42.29	611.7	43.02
		174.9	433.6	25.12	469.8	30.07	511.9	35.09	556.0	39.54	572.8	40.52	594.9	41.59	611.7	42.12
	86	52.8	433.6	35.08	469.8	40.86	511.9	47.60	556.0	53.57	572.8	54.79	594.9	56.20	611.7	57.18
		66.1	433.6	34.40	469.8	40.20	511.9	46.82	556.0	52.70	572.8	53.93	594.9	55.32	611.7	56.30
		131.9	433.6	31.70	469.8	37.59	511.9	43.71	556.0	49.27	572.8	50.50	594.9	51.80	611.7	52.78
		150.5	433.6	31.12	469.8	37.06	511.9	43.13	556.0	48.63	572.8	49.86	594.9	51.16	611.7	51.98
		174.9	433.6	30.35	469.8	36.36	511.9	42.36	556.0	47.80	572.8	49.02	594.9	50.33	611.7	50.94
	95	52.8	396.8	36.02	429.9	41.86	468.3	48.75	508.7	54.90	524.0	56.23	544.5	57.51	559.7	58.59
		66.1	396.8	35.30	429.9	41.18	468.3	47.96	508.7	54.01	524.0	55.32	544.5	56.62	559.7	57.69
		131.9	396.8	32.44	429.9	38.48	468.3	44.86	508.7	50.50	524.0	51.72	544.5	53.11	559.7	54.09
		150.5	396.8	31.86	429.9	37.95	468.3	44.28	508.7	49.86	524.0	51.08	544.5	52.42	559.7	53.29
		174.9	396.8	31.09	429.9	37.26	468.3	43.51	508.7	49.02	524.0	50.25	544.5	51.51	559.7	52.25
	104	52.8	360.0	38.76	390.0	45.01	424.6	52.49	462.0	59.04	475.6	60.45	494.0	61.92	507.7	63.07
		66.1	360.0	37.99	390.0	44.29	424.6	51.64	462.0	58.10	475.6	59.48	494.0	60.95	507.7	62.10
		131.9	360.0	34.97	390.0	41.43	424.6	48.29	462.0	54.34	475.6	55.64	494.0	57.11	507.7	58.26
		150.5	360.0	34.33	390.0	40.84	424.6	47.65	462.0	53.65	475.6	55.00	494.0	56.42	507.7	57.36
		174.9	360.0	33.50	390.0	40.07	424.6	46.82	462.0	52.74	475.6	54.17	494.0	55.52	507.7	56.17
	113	52.8	323.2	41.50	350.0	48.15	381.0	56.23	415.2	63.19	427.3	64.68	443.6	66.34	455.6	67.54
		66.1	323.2	40.69	350.0	47.39	381.0	55.32	415.2	62.18	427.3	63.65	443.6	65.29	455.6	66.51
		131.9	323.2	37.50	350.0	44.37	381.0	51.72	415.2	58.18	427.3	59.57	443.6	61.12	455.6	62.43
		150.5	323.2	36.81	350.0	43.73	381.0	51.03	415.2	57.44	427.3	58.93	443.6	60.43	455.6	61.42
		174.9	323.2	35.91	350.0	42.89	381.0	50.12	415.2	56.46	427.3	58.09	443.6	59.52	455.6	60.09
110	50	52.8	418.1	13.82	453.4	16.00	493.3	18.75	535.9	21.04	551.6	21.49	573.8	22.17	588.9	22.48
		66.1	418.1	13.54	453.4	15.74	493.3	18.43	535.9	20.70	551.6	21.17	573.8	21.82	588.9	22.12
		131.9	418.1	12.44	453.4	14.72	493.3	17.16	535.9	19.37	551.6	19.93	573.8	20.40	588.9	20.70
		150.5	418.1	12.23	453.4	14.51	493.3	16.90	535.9	19.17	551.6	19.56	573.8	20.14	588.9	20.40
		174.9	418.1	11.96	453.4	14.24	493.3	16.56	535.9	18.90	551.6	19.07	573.8	19.80	588.9	20.00
	59	52.8	415.7	18.51	450.4	21.51	490.3	25.09	532.9	28.24	548.7	28.89	570.2	29.64	586.0	30.14
		66.1	415.7	18.14	450.4	21.16	490.3	24.68	532.9	27.78	548.7	28.43	570.2	29.17	586.0	29.66
		131.9	415.7	16.67	450.4	19.77	490.3	23.04	532.9	25.98	548.7	26.64	570.2	27.29	586.0	27.78
		150.5	415.7	16.40	450.4	19.51	490.3	22.72	532.9	25.66	548.7	26.27	570.2	26.97	586.0	27.36
		174.9	415.7	16.05	450.4	19.16	490.3	22.30	532.9	25.25	548.7	25.78	570.2	26.55	586.0	26.80
	67	52.8	413.6	22.68	447.8	26.42	487.7	30.73	530.3	34.63	546.0	35.47	567.1	36.28	583.4	36.94
		66.1	413.6	22.22	447.8	25.98	487.7	30.23	530.3	34.07	546.0	34.89	567.1	35.71	583.4	36.36
		131.9	413.6	20.43	447.8	24.27	487.7	28.27	530.3	31.87	546.0	32.60	567.1	33.42	583.4	34.07
		150.5	413.6	20.11	447.8	23.95	487.7	27.90	530.3	31.44	546.0	32.23	567.1	33.05	583.4	33.54
		174.9	413.6	19.69	447.8	23.53	487.7	27.41	530.3	30.88	546.0	31.74	567.1	32.56	583.4	32.84
	75	52.8	413.6	27.75	447.8	32.30	487.7	37.61	530.3	42.35	546.0	43.33	567.1	44.42	583.4	45.23
		66.1	413.6	27.21	447.8	31.78	487.7	37.01	530.3	41.67	546.0	42.65	567.1	43.71	583.4	44.53
		131.9	413.6	25.08	447.8	29.74	487.7	34.64	530.3	38.98	546.0	39.96	567.1	40.94	583.4	41.75
		150.5	413.6	24.60	447.8	29.32	487.7	34.16	530.3	38.50	546.0	39.43	567.1	40.46	583.4	41.06
		174.9	413.6	23.98	447.8	28.76	487.7	33.54	530.3	37.87	546.0	38.73	567.1	39.83	583.4	40.16
	86	52.8	413.6	33.83	447.8	39.37	487.7	45.85	530.3	51.67	546.0	52.89	567.1	54.12	583.4	55.12
		66.1	413.6	33.17	447.8	38.73	487.7	45.10	530.3	50.82	546.0	52.05	567.1	53.27	583.4	54.25
		131.9	413.6	30.56	447.8	36.20	487.7	42.16	530.3	47.47	546.0	48.70	567.1	49.92	583.4	50.82
		150.5	413.6	30.03	447.8	35.72	487.7	41.63	530.3	46.89	546.0	48.06	567.1	49.28	583.4	50.02
		174.9	413.6	29.33	447.8	35.09	487.7	40.93	530.3	46.12	546.0	47.22	567.1	48.45	583.4	48.98
	95	52.8	385.2	35.26	417.3	40.94	454.6	47.66	494.0	53.73	508.7	54.98	528.7	56.29	543.4	57.37
		66.1	385.2	34.56	417.3	40.28	454.6	46.90	494.0	52.87	508.7	54.09	528.7	55.40	543.4	56.46
		131.9	385.2	31.78	417.3	37.67	454.6	43.88	494.0	49.43	508.7	50.58	528.7	51.89	543.4	52.87
		150.5	385.2	31.20	417.3	37.14	454.6	43.30	494.0	48.79	508.7	50.00	528.7	51.25	543.4	52.02
		174.9	385.2	30.43	417.3	36.44	454.6	42.53	494.0	47.96	508.7	49.23	528.7	50.41	543.4	50.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM504DAS5



504,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	52.8	356.8	38.68	386.8	45.03	421.0	52.40	457.8	58.96	471.4	60.37	489.8	61.84	503.5	63.01
		66.1	356.8	37.91	386.8	44.29	421.0	51.56	457.8	58.01	471.4	59.40	489.8	60.87	503.5	62.02
		131.9	356.8	34.89	386.8	41.34	421.0	48.21	457.8	54.25	471.4	55.56	489.8	57.03	503.5	58.10
		150.5	356.8	34.25	386.8	40.76	421.0	47.57	457.8	53.56	471.4	54.92	489.8	56.34	503.5	57.14
		174.9	356.8	33.42	386.8	39.99	421.0	46.73	457.8	52.66	471.4	54.09	489.8	55.44	503.5	55.88
	113	52.8	328.5	42.09	356.3	49.12	387.3	57.14	421.5	64.19	434.1	65.77	450.9	67.40	463.5	68.65
		66.1	328.5	41.26	356.3	48.29	387.3	56.22	421.5	63.16	434.1	64.71	450.9	66.35	463.5	67.57
		131.9	328.5	37.99	356.3	45.02	387.3	52.54	421.5	59.08	434.1	60.55	450.9	62.18	463.5	63.32
		150.5	328.5	37.30	356.3	44.38	387.3	51.85	421.5	58.34	434.1	59.86	450.9	61.44	463.5	62.26
		174.9	328.5	36.40	356.3	43.55	387.3	50.94	421.5	57.36	434.1	58.95	450.9	60.46	463.5	60.87
100	50	52.8	393.1	13.08	425.7	15.20	463.5	17.46	504.0	19.90	519.2	20.17	539.2	20.86	554.5	21.26
		66.1	393.1	12.82	425.7	14.94	463.5	17.20	504.0	19.58	519.2	19.88	539.2	20.52	554.5	20.92
		131.9	393.1	11.80	425.7	13.91	463.5	16.19	504.0	18.32	519.2	18.71	539.2	19.18	554.5	19.58
		150.5	393.1	11.54	425.7	13.70	463.5	15.93	504.0	18.06	519.2	18.45	539.2	18.92	554.5	19.16
		174.9	393.1	11.20	425.7	13.43	463.5	15.59	504.0	17.72	519.2	18.11	539.2	18.58	554.5	18.61
	59	52.8	393.1	17.67	425.7	20.51	463.5	23.82	504.0	26.91	519.2	27.48	539.2	28.24	554.5	28.73
		66.1	393.1	17.32	425.7	20.18	463.5	23.45	504.0	26.47	519.2	27.05	539.2	27.78	554.5	28.27
		131.9	393.1	15.93	425.7	18.87	463.5	21.98	504.0	24.76	519.2	25.33	539.2	25.98	554.5	26.47
		150.5	393.1	15.61	425.7	18.61	463.5	21.66	504.0	24.44	519.2	25.01	539.2	25.66	554.5	25.99
		174.9	393.1	15.20	425.7	18.26	463.5	21.24	504.0	24.02	519.2	24.59	539.2	25.25	554.5	25.37
	67	52.8	393.1	21.76	425.7	25.23	463.5	29.48	504.0	33.14	519.2	33.98	539.2	34.79	554.5	35.37
		66.1	393.1	21.33	425.7	24.84	463.5	29.01	504.0	32.60	519.2	33.42	539.2	34.24	554.5	34.81
		131.9	393.1	19.61	425.7	23.29	463.5	27.13	504.0	30.48	519.2	31.21	539.2	32.03	554.5	32.60
		150.5	393.1	19.24	425.7	22.97	463.5	26.76	504.0	30.11	519.2	30.84	539.2	31.66	554.5	32.07
		174.9	393.1	18.75	425.7	22.55	463.5	26.27	504.0	29.62	519.2	30.35	539.2	31.17	554.5	31.37
	75	52.8	393.1	26.50	425.7	30.81	463.5	35.88	504.0	40.45	519.2	41.45	539.2	42.43	554.5	43.17
		66.1	393.1	25.98	425.7	30.31	463.5	35.30	504.0	39.79	519.2	40.77	539.2	41.75	554.5	42.49
		131.9	393.1	23.94	425.7	28.35	463.5	33.01	504.0	37.18	519.2	38.08	539.2	39.06	554.5	39.79
		150.5	393.1	23.52	425.7	27.98	463.5	32.59	504.0	36.70	519.2	37.60	539.2	38.58	554.5	39.10
		174.9	393.1	22.96	425.7	27.49	463.5	32.03	504.0	36.07	519.2	36.97	539.2	37.95	554.5	38.19
	86	52.8	393.1	32.59	425.7	37.96	463.5	44.19	504.0	49.75	519.2	50.91	539.2	52.14	554.5	53.14
		66.1	393.1	31.95	425.7	37.34	463.5	43.47	504.0	48.94	519.2	50.09	539.2	51.31	554.5	52.29
		131.9	393.1	29.42	425.7	34.89	463.5	40.61	504.0	45.76	519.2	46.82	539.2	48.04	554.5	48.94
		150.5	393.1	28.89	425.7	34.41	463.5	40.08	504.0	45.18	519.2	46.29	539.2	47.46	554.5	48.09
		174.9	393.1	28.19	425.7	33.78	463.5	39.38	504.0	44.41	519.2	45.59	539.2	46.69	554.5	46.98
	95	52.8	373.7	34.43	404.7	40.02	440.4	46.58	478.8	52.49	493.0	53.73	512.4	55.04	526.6	56.04
		66.1	373.7	33.75	404.7	39.38	440.4	45.84	478.8	51.64	493.0	52.87	512.4	54.17	526.6	55.15
		131.9	373.7	31.05	404.7	36.85	440.4	42.90	478.8	48.29	493.0	49.43	512.4	50.74	526.6	51.64
		150.5	373.7	30.52	404.7	36.32	440.4	42.32	478.8	47.71	493.0	48.85	512.4	50.10	526.6	50.74
		174.9	373.7	29.82	404.7	35.62	440.4	41.55	478.8	46.94	493.0	48.08	512.4	49.27	526.6	49.55
	104	52.8	353.7	38.70	383.1	44.93	417.3	52.32	453.5	58.88	467.2	60.29	485.6	61.78	498.7	62.84
		66.1	353.7	37.91	383.1	44.20	417.3	51.48	453.5	57.93	467.2	59.32	485.6	60.79	498.7	61.85
		131.9	353.7	34.81	383.1	41.34	417.3	48.13	453.5	54.17	467.2	55.48	485.6	56.87	498.7	57.93
		150.5	353.7	34.23	383.1	40.76	417.3	47.49	453.5	53.48	467.2	54.79	485.6	56.18	498.7	56.92
		174.9	353.7	33.46	383.1	39.99	417.3	46.65	453.5	52.58	467.2	53.88	485.6	55.27	498.7	55.60
	113	52.8	333.7	42.97	361.6	49.83	394.2	58.06	428.3	65.28	441.5	66.85	458.8	68.52	470.9	69.65
		66.1	333.7	42.08	361.6	49.03	394.2	57.11	428.3	64.22	441.5	65.78	458.8	67.41	470.9	68.55
		131.9	333.7	38.57	361.6	45.84	394.2	53.36	428.3	60.06	441.5	61.53	458.8	63.00	470.9	64.22
		150.5	333.7	37.93	361.6	45.20	394.2	52.67	428.3	59.26	441.5	60.73	458.8	62.26	470.9	63.10
		174.9	333.7	37.09	361.6	44.36	394.2	51.76	428.3	58.21	441.5	59.68	458.8	61.28	470.9	61.64
90	50	52.8	353.7	11.11	383.1	12.90	417.3	15.09	453.5	17.08	467.2	17.38	485.6	17.75	498.7	18.31
		66.1	353.7	10.92	383.1	12.73	417.3	14.85	453.5	16.82	467.2	17.13	485.6	17.52	498.7	18.01
		131.9	353.7	10.14	383.1	12.03	417.3	13.91	453.5	15.81	467.2	16.12	485.6	16.60	498.7	16.82
		150.5	353.7	9.94	383.1	11.77	417.3	13.76	453.5	15.49	467.2	15.91	485.6	16.39	498.7	16.46
		174.9	353.7	9.67	383.1	11.42	417.3	13.56	453.5	15.07	467.2	15.64	485.6	16.12	498.7	15.98

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

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Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	52.8	353.7	15.16	383.1	17.59	417.3	20.51	453.5	23.17	467.2	23.66	485.6	24.23	498.7	24.74
		66.1	353.7	14.87	383.1	17.32	417.3	20.18	453.5	22.80	467.2	23.29	485.6	23.86	498.7	24.35
		131.9	353.7	13.73	383.1	16.26	417.3	18.87	453.5	21.33	467.2	21.82	485.6	22.39	498.7	22.80
		150.5	353.7	13.46	383.1	16.00	417.3	18.66	453.5	21.01	467.2	21.55	485.6	22.12	498.7	22.37
		174.9	353.7	13.11	383.1	15.65	417.3	18.38	453.5	20.59	467.2	21.20	485.6	21.77	498.7	21.81
	67	52.8	353.7	18.76	383.1	21.76	417.3	25.33	453.5	28.58	467.2	29.24	485.6	29.99	498.7	30.46
		66.1	353.7	18.38	383.1	21.41	417.3	24.92	453.5	28.11	467.2	28.76	485.6	29.50	498.7	29.99
		131.9	353.7	16.91	383.1	20.02	417.3	23.29	453.5	26.23	467.2	26.88	485.6	27.54	498.7	28.11
		150.5	353.7	16.59	383.1	19.75	417.3	23.02	453.5	25.91	467.2	26.56	485.6	27.22	498.7	27.63
		174.9	353.7	16.18	383.1	19.40	417.3	22.67	453.5	25.49	467.2	26.14	485.6	26.80	498.7	27.00
	75	52.8	353.7	22.84	383.1	26.58	417.3	30.89	453.5	34.79	467.2	35.63	485.6	36.53	498.7	37.20
		66.1	353.7	22.39	383.1	26.15	417.3	30.40	453.5	34.24	467.2	35.05	485.6	35.95	498.7	36.61
		131.9	353.7	20.59	383.1	24.43	417.3	28.43	453.5	32.03	467.2	32.77	485.6	33.66	498.7	34.24
		150.5	353.7	20.22	383.1	24.06	417.3	28.06	453.5	31.61	467.2	32.40	485.6	33.24	498.7	33.65
		174.9	353.7	19.73	383.1	23.57	417.3	27.57	453.5	31.05	467.2	31.91	485.6	32.68	498.7	32.88
	86	52.8	353.7	28.09	383.1	32.65	417.3	38.04	453.5	42.86	467.2	43.84	485.6	44.93	498.7	45.76
		66.1	353.7	27.54	383.1	32.11	417.3	37.42	453.5	42.16	467.2	43.14	485.6	44.20	498.7	45.02
		131.9	353.7	25.33	383.1	29.99	417.3	34.97	453.5	39.38	467.2	40.36	485.6	41.34	498.7	42.08
		150.5	353.7	24.85	383.1	29.62	417.3	34.49	453.5	38.90	467.2	39.83	485.6	40.86	498.7	41.39
		174.9	353.7	24.22	383.1	29.13	417.3	33.87	453.5	38.28	467.2	39.14	485.6	40.24	498.7	40.48
	95	52.8	344.2	30.36	372.6	35.22	405.7	41.02	440.9	46.17	454.1	47.26	471.9	48.40	485.1	49.32
		66.1	344.2	29.74	372.6	34.64	405.7	40.36	440.9	45.43	454.1	46.49	471.9	47.64	485.1	48.54
		131.9	344.2	27.29	372.6	32.36	405.7	37.75	440.9	42.49	454.1	43.47	471.9	44.61	485.1	45.43
		150.5	344.2	26.81	372.6	31.93	405.7	37.22	440.9	41.96	454.1	42.99	471.9	44.08	485.1	44.63
		174.9	344.2	26.18	372.6	31.37	405.7	36.52	440.9	41.26	454.1	42.36	471.9	43.38	485.1	43.59
	104	52.8	334.2	34.86	362.1	40.45	394.2	47.07	428.3	53.08	441.5	54.30	458.3	55.63	471.4	56.61
		66.1	334.2	34.15	362.1	39.79	394.2	46.33	428.3	52.21	441.5	53.44	458.3	54.74	471.4	55.73
		131.9	334.2	31.38	362.1	37.18	394.2	43.39	428.3	48.78	441.5	50.01	458.3	51.23	471.4	52.21
		150.5	334.2	30.79	362.1	36.70	394.2	42.81	428.3	48.20	441.5	49.37	458.3	50.65	471.4	51.31
		174.9	334.2	30.02	362.1	36.07	394.2	42.04	428.3	47.43	441.5	48.53	458.3	49.88	471.4	50.12
	113	52.8	324.3	39.35	351.6	45.68	382.6	53.12	415.7	59.98	428.8	61.35	444.6	62.86	457.8	63.91
		66.1	324.3	38.57	351.6	44.94	382.6	52.29	415.7	58.99	428.8	60.38	444.6	61.85	457.8	62.92
		131.9	324.3	35.46	351.6	42.00	382.6	49.03	415.7	55.07	428.8	56.54	444.6	57.85	457.8	58.99
		150.5	324.3	34.77	351.6	41.47	382.6	48.39	415.7	54.43	428.8	55.74	444.6	57.21	457.8	57.98
		174.9	324.3	33.86	351.6	40.77	382.6	47.55	415.7	53.60	428.8	54.70	444.6	56.38	457.8	56.66
80	50	52.8	314.3	9.51	340.6	10.82	371.0	12.58	403.1	14.42	415.2	14.60	431.5	15.04	443.6	15.16
		66.1	314.3	9.28	340.6	10.68	371.0	12.41	403.1	14.16	415.2	14.38	431.5	14.78	443.6	14.92
		131.9	314.3	8.41	340.6	10.15	371.0	11.72	403.1	13.12	415.2	13.52	431.5	13.75	443.6	13.98
		150.5	314.3	8.37	340.6	9.94	371.0	11.56	403.1	12.97	415.2	13.26	431.5	13.59	443.6	13.78
		174.9	314.3	8.31	340.6	9.66	371.0	11.36	403.1	12.77	415.2	12.91	431.5	13.39	443.6	13.52
	59	52.8	314.3	12.77	340.6	14.77	371.0	17.18	403.1	19.45	415.2	19.84	431.5	20.35	443.6	20.68
		66.1	314.3	12.50	340.6	14.54	371.0	16.91	403.1	19.12	415.2	19.53	431.5	20.02	443.6	20.35
		131.9	314.3	11.44	340.6	13.65	371.0	15.85	403.1	17.81	415.2	18.30	431.5	18.71	443.6	19.04
		150.5	314.3	11.28	340.6	13.43	371.0	15.64	403.1	17.60	415.2	18.04	431.5	18.50	443.6	18.72
		174.9	314.3	11.07	340.6	13.15	371.0	15.36	403.1	17.32	415.2	17.69	431.5	18.22	443.6	18.30
	67	52.8	314.3	15.67	340.6	18.29	371.0	21.27	403.1	23.92	415.2	24.50	431.5	25.07	443.6	25.58
		66.1	314.3	15.36	340.6	17.98	371.0	20.92	403.1	23.53	415.2	24.10	431.5	24.68	443.6	25.17
		131.9	314.3	14.14	340.6	16.75	371.0	19.53	403.1	21.98	415.2	22.55	431.5	23.12	443.6	23.53
		150.5	314.3	13.87	340.6	16.54	371.0	19.26	403.1	21.72	415.2	22.29	431.5	22.86	443.6	23.11
		174.9	314.3	13.52	340.6	16.26	371.0	18.91	403.1	21.37	415.2	21.94	431.5	22.51	443.6	22.55
	75	52.8	314.3	19.19	340.6	22.27	371.0	25.91	403.1	29.13	415.2	29.91	431.5	30.65	443.6	31.14
		66.1	314.3	18.79	340.6	21.90	371.0	25.49	403.1	28.68	415.2	29.42	431.5	30.15	443.6	30.64
		131.9	314.3	17.24	340.6	20.43	371.0	23.86	403.1	26.88	415.2	27.45	431.5	28.19	443.6	28.68
		150.5	314.3	16.92	340.6	20.16	371.0	23.54	403.1	26.51	415.2	27.13	431.5	27.87	443.6	28.20
		174.9	314.3	16.50	340.6	19.81	371.0	23.12	403.1	26.02	415.2	26.72	431.5	27.45	443.6	27.57

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM504DAS5

504,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	52.8	314.3	23.50	340.6	27.32	371.0	31.89	403.1	35.88	415.2	36.69	431.5	37.61	443.6	38.37
		66.1	314.3	23.04	340.6	26.88	371.0	31.38	403.1	35.30	415.2	36.12	431.5	37.01	443.6	37.75
		131.9	314.3	21.24	340.6	25.17	371.0	29.33	403.1	33.01	415.2	33.83	431.5	34.64	443.6	35.30
		150.5	314.3	20.87	340.6	24.80	371.0	28.91	403.1	32.59	415.2	33.40	431.5	34.22	443.6	34.72
		174.9	314.3	20.38	340.6	24.31	371.0	28.35	403.1	32.03	415.2	32.84	431.5	33.66	443.6	33.95
	95	52.8	314.3	26.17	340.6	30.40	371.0	35.37	403.1	39.86	415.2	40.86	431.5	41.86	443.6	42.60
		66.1	314.3	25.66	340.6	29.91	371.0	34.81	403.1	39.22	415.2	40.20	431.5	41.18	443.6	41.92
		131.9	314.3	23.61	340.6	27.94	371.0	32.60	403.1	36.69	415.2	37.59	431.5	38.48	443.6	39.22
		150.5	314.3	23.19	340.6	27.57	371.0	32.18	403.1	36.21	415.2	37.11	431.5	38.06	443.6	38.53
		174.9	314.3	22.63	340.6	27.08	371.0	31.62	403.1	35.58	415.2	36.48	431.5	37.50	443.6	37.62
	104	52.8	314.3	31.01	340.6	36.06	371.0	41.94	403.1	47.26	415.2	48.34	431.5	49.59	443.6	50.40
		66.1	314.3	30.40	340.6	35.46	371.0	41.26	403.1	46.49	415.2	47.55	431.5	48.78	443.6	49.60
		131.9	314.3	27.94	340.6	33.09	371.0	38.57	403.1	43.47	415.2	44.45	431.5	45.59	443.6	46.41
		150.5	314.3	27.41	340.6	32.67	371.0	38.04	403.1	42.89	415.2	43.92	431.5	45.06	443.6	45.61
		174.9	314.3	26.72	340.6	32.11	371.0	37.34	403.1	42.12	415.2	43.22	431.5	44.36	443.6	44.57
	113	52.8	314.3	35.86	340.6	41.72	371.0	48.52	403.1	54.65	415.2	55.82	431.5	57.31	443.6	58.21
		66.1	314.3	35.13	340.6	41.02	371.0	47.72	403.1	53.76	415.2	54.91	431.5	56.38	443.6	57.28
		131.9	314.3	32.28	340.6	38.24	371.0	44.53	403.1	50.25	415.2	51.31	431.5	52.70	443.6	53.60
		150.5	314.3	31.64	340.6	37.76	371.0	43.89	403.1	49.56	415.2	50.73	431.5	52.06	443.6	52.70
		174.9	314.3	30.80	340.6	37.13	371.0	43.06	403.1	48.65	415.2	49.96	431.5	51.23	443.6	51.51
70	50	52.8	275.4	7.76	298.0	9.04	324.8	10.44	352.6	11.78	363.2	12.23	377.3	12.55	387.9	12.58
		66.1	275.4	7.62	298.0	8.88	324.8	10.29	352.6	11.62	363.2	12.03	377.3	12.35	387.9	12.41
		131.9	275.4	7.08	298.0	8.24	324.8	9.66	352.6	11.01	363.2	11.25	377.3	11.56	387.9	11.72
		150.5	275.4	6.98	298.0	8.14	324.8	9.56	352.6	10.80	363.2	11.03	377.3	11.35	387.9	11.51
		174.9	275.4	6.85	298.0	8.01	324.8	9.43	352.6	10.52	363.2	10.75	377.3	11.07	387.9	11.24
	59	52.8	275.4	10.58	298.0	12.30	324.8	14.28	352.6	16.10	363.2	16.53	377.3	16.94	387.9	17.18
		66.1	275.4	10.38	298.0	12.09	324.8	14.05	352.6	15.85	363.2	16.26	377.3	16.67	387.9	16.91
		131.9	275.4	9.56	298.0	11.28	324.8	13.16	352.6	14.87	363.2	15.20	377.3	15.61	387.9	15.85
		150.5	275.4	9.40	298.0	11.12	324.8	13.00	352.6	14.66	363.2	14.99	377.3	15.39	387.9	15.59
		174.9	275.4	9.19	298.0	10.91	324.8	12.79	352.6	14.38	363.2	14.71	377.3	15.11	387.9	15.24
	67	52.8	275.4	13.10	298.0	15.20	324.8	17.69	352.6	19.94	363.2	20.35	377.3	20.84	387.9	21.27
		66.1	275.4	12.83	298.0	14.95	324.8	17.40	352.6	19.61	363.2	20.02	377.3	20.51	387.9	20.92
		131.9	275.4	11.77	298.0	13.97	324.8	16.26	352.6	18.30	363.2	18.71	377.3	19.20	387.9	19.53
		150.5	275.4	11.55	298.0	13.76	324.8	16.05	352.6	18.09	363.2	18.50	377.3	18.99	387.9	19.21
		174.9	275.4	11.27	298.0	13.48	324.8	15.77	352.6	17.81	363.2	18.22	377.3	18.71	387.9	18.79
	75	52.8	275.4	15.92	298.0	18.53	324.8	21.49	352.6	24.25	363.2	24.82	377.3	25.40	387.9	25.91
		66.1	275.4	15.61	298.0	18.22	324.8	21.16	352.6	23.86	363.2	24.43	377.3	25.00	387.9	25.49
		131.9	275.4	14.38	298.0	17.00	324.8	19.86	352.6	22.31	363.2	22.88	377.3	23.45	387.9	23.86
		150.5	275.4	14.12	298.0	16.78	324.8	19.59	352.6	22.04	363.2	22.56	377.3	23.13	387.9	23.44
		174.9	275.4	13.77	298.0	16.50	324.8	19.24	352.6	21.69	363.2	22.14	377.3	22.71	387.9	22.88
	86	52.8	275.4	19.59	298.0	22.76	324.8	26.50	352.6	29.81	363.2	30.56	377.3	31.30	387.9	31.89
		66.1	275.4	19.20	298.0	22.39	324.8	26.07	352.6	29.33	363.2	30.07	377.3	30.80	387.9	31.38
		131.9	275.4	17.65	298.0	20.92	324.8	24.35	352.6	27.45	363.2	28.11	377.3	28.84	387.9	29.33
		150.5	275.4	17.33	298.0	20.65	324.8	24.03	352.6	27.08	363.2	27.79	377.3	28.47	387.9	28.85
		174.9	275.4	16.91	298.0	20.30	324.8	23.61	352.6	26.59	363.2	27.37	377.3	27.98	387.9	28.23
	95	52.8	275.4	21.76	298.0	25.23	324.8	29.50	352.6	33.14	363.2	33.98	377.3	34.79	387.9	35.37
		66.1	275.4	21.33	298.0	24.84	324.8	29.01	352.6	32.60	363.2	33.42	377.3	34.24	387.9	34.81
		131.9	275.4	19.61	298.0	23.29	324.8	27.05	352.6	30.48	363.2	31.21	377.3	32.03	387.9	32.60
		150.5	275.4	19.24	298.0	22.92	324.8	26.73	352.6	30.11	363.2	30.84	377.3	31.66	387.9	32.07
		174.9	275.4	18.75	298.0	22.43	324.8	26.31	352.6	29.62	363.2	30.35	377.3	31.17	387.9	31.37
	104	52.8	275.4	25.76	298.0	29.89	324.8	34.87	352.6	39.29	363.2	40.19	377.3	41.19	387.9	41.92
		66.1	275.4	25.25	298.0	29.42	324.8	34.32	352.6	38.65	363.2	39.55	377.3	40.53	387.9	41.26
		131.9	275.4	23.21	298.0	27.54	324.8	32.11	352.6	36.12	363.2	37.01	377.3	37.91	387.9	38.65
		150.5	275.4	22.78	298.0	27.17	324.8	31.63	352.6	35.64	363.2	36.53	377.3	37.49	387.9	37.96
		174.9	275.4	22.22	298.0	26.68	324.8	31.01	352.6	35.01	363.2	35.91	377.3	36.93	387.9	37.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	52.8	275.4	29.77	298.0	34.55	324.8	40.25	352.6	45.44	363.2	46.40	377.3	47.58	387.9	48.48
		66.1	275.4	29.17	298.0	33.99	324.8	39.63	352.6	44.69	363.2	45.68	377.3	46.82	387.9	47.72
		131.9	275.4	26.80	298.0	31.78	324.8	37.18	352.6	41.75	363.2	42.82	377.3	43.80	387.9	44.69
		150.5	275.4	26.32	298.0	31.41	324.8	36.54	352.6	41.17	363.2	42.23	377.3	43.32	387.9	43.84
		174.9	275.4	25.69	298.0	30.92	324.8	35.70	352.6	40.40	363.2	41.46	377.3	42.69	387.9	42.73
60	50	52.8	236.0	6.17	255.4	7.19	278.0	8.26	302.2	9.52	311.6	9.77	323.7	9.88	332.7	10.03
		66.1	236.0	6.05	255.4	7.07	278.0	8.16	302.2	9.36	311.6	9.59	323.7	9.74	332.7	9.90
		131.9	236.0	5.58	255.4	6.60	278.0	7.78	302.2	8.72	311.6	8.88	323.7	9.20	332.7	9.36
		150.5	236.0	5.42	255.4	6.55	278.0	7.68	302.2	8.62	311.6	8.78	323.7	9.04	332.7	9.20
		174.9	236.0	5.21	255.4	6.49	278.0	7.55	302.2	8.49	311.6	8.65	323.7	8.83	332.7	9.00
	59	52.8	236.0	8.42	255.4	9.81	278.0	11.36	302.2	12.87	311.6	13.22	323.7	13.44	332.7	13.69
		66.1	236.0	8.25	255.4	9.64	278.0	11.19	302.2	12.66	311.6	12.99	323.7	13.24	332.7	13.48
		131.9	236.0	7.60	255.4	8.99	278.0	10.54	302.2	11.85	311.6	12.09	323.7	12.42	332.7	12.66
		150.5	236.0	7.44	255.4	8.88	278.0	10.38	302.2	11.69	311.6	11.93	323.7	12.26	332.7	12.45
		174.9	236.0	7.23	255.4	8.74	278.0	10.17	302.2	11.48	311.6	11.72	323.7	12.05	332.7	12.17
	67	52.8	236.0	10.42	255.4	12.14	278.0	14.12	302.2	15.85	311.6	16.28	323.7	16.61	332.7	16.94
		66.1	236.0	10.21	255.4	11.93	278.0	13.89	302.2	15.61	311.6	16.01	323.7	16.34	332.7	16.67
		131.9	236.0	9.40	255.4	11.11	278.0	12.99	302.2	14.63	311.6	14.95	323.7	15.28	332.7	15.61
		150.5	236.0	9.24	255.4	10.95	278.0	12.78	302.2	14.41	311.6	14.74	323.7	15.12	332.7	15.34
		174.9	236.0	9.03	255.4	10.74	278.0	12.50	302.2	14.13	311.6	14.46	323.7	14.91	332.7	14.99
	75	52.8	236.0	12.67	255.4	14.79	278.0	17.20	302.2	19.35	311.6	19.76	323.7	20.25	332.7	20.68
		66.1	236.0	12.42	255.4	14.54	278.0	16.91	302.2	19.04	311.6	19.45	323.7	19.94	332.7	20.35
		131.9	236.0	11.44	255.4	13.56	278.0	15.77	302.2	17.81	311.6	18.22	323.7	18.71	332.7	19.04
		150.5	236.0	11.23	255.4	13.35	278.0	15.56	302.2	17.55	311.6	18.01	323.7	18.45	332.7	18.72
		174.9	236.0	10.95	255.4	13.07	278.0	15.28	302.2	17.20	311.6	17.73	323.7	18.10	332.7	18.30
	86	52.8	236.0	15.59	255.4	18.10	278.0	21.08	302.2	23.74	311.6	24.33	323.7	24.90	332.7	25.42
		66.1	236.0	15.28	255.4	17.81	278.0	20.75	302.2	23.37	311.6	23.94	323.7	24.51	332.7	25.00
		131.9	236.0	14.05	255.4	16.67	278.0	19.45	302.2	21.90	311.6	22.39	323.7	22.96	332.7	23.37
		150.5	236.0	13.79	255.4	16.46	278.0	19.18	302.2	21.63	311.6	22.12	323.7	22.70	332.7	23.00
		174.9	236.0	13.44	255.4	16.18	278.0	18.83	302.2	21.28	311.6	21.77	323.7	22.35	332.7	22.51
	95	52.8	236.0	17.35	255.4	20.19	278.0	23.52	302.2	26.40	311.6	27.07	323.7	27.74	332.7	28.24
		66.1	236.0	17.00	255.4	19.86	278.0	23.12	302.2	25.98	311.6	26.64	323.7	27.29	332.7	27.78
		131.9	236.0	15.61	255.4	18.55	278.0	21.57	302.2	24.35	311.6	24.92	323.7	25.49	332.7	25.98
		150.5	236.0	15.34	255.4	18.28	278.0	21.31	302.2	24.03	311.6	24.60	323.7	25.23	332.7	25.56
		174.9	236.0	14.99	255.4	17.93	278.0	20.96	302.2	23.61	311.6	24.18	323.7	24.88	332.7	25.00
	104	52.8	236.0	20.49	255.4	23.82	278.0	27.83	302.2	31.32	311.6	32.06	323.7	32.79	332.7	33.47
		66.1	236.0	20.10	255.4	23.45	278.0	27.37	302.2	30.80	311.6	31.54	323.7	32.28	332.7	32.93
		131.9	236.0	18.55	255.4	21.98	278.0	25.57	302.2	28.76	311.6	29.50	323.7	30.23	332.7	30.80
		150.5	236.0	18.18	255.4	21.66	278.0	25.25	302.2	28.39	311.6	29.13	323.7	29.86	332.7	30.27
		174.9	236.0	17.69	255.4	21.24	278.0	24.84	302.2	27.90	311.6	28.64	323.7	29.37	332.7	29.58
	113	52.8	236.0	23.64	255.4	27.46	278.0	32.14	302.2	36.24	311.6	37.04	323.7	37.84	332.7	38.70
		66.1	236.0	23.21	255.4	27.05	278.0	31.62	302.2	35.63	311.6	36.44	323.7	37.26	332.7	38.08
		131.9	236.0	21.49	255.4	25.41	278.0	29.58	302.2	33.17	311.6	34.07	323.7	34.97	332.7	35.63
		150.5	236.0	21.01	255.4	25.04	278.0	29.21	302.2	32.75	311.6	33.65	323.7	34.49	332.7	34.99
		174.9	236.0	20.38	255.4	24.55	278.0	28.72	302.2	32.19	311.6	33.09	323.7	33.87	332.7	34.15
50	50	52.8	196.6	4.57	212.8	5.34	231.8	6.42	252.3	7.01	259.6	7.14	269.6	7.45	277.0	7.50
		66.1	196.6	4.47	212.8	5.26	231.8	6.30	252.3	6.91	259.6	7.07	269.6	7.31	277.0	7.38
		131.9	196.6	4.08	212.8	4.95	231.8	5.82	252.3	6.53	259.6	6.77	269.6	6.75	277.0	6.91
		150.5	196.6	4.03	212.8	4.96	231.8	5.72	252.3	6.42	259.6	6.55	269.6	6.70	277.0	6.75
		174.9	196.6	3.97	212.8	4.97	231.8	5.58	252.3	6.28	259.6	6.26	269.6	6.64	277.0	6.55
	59	52.8	196.6	6.25	212.8	7.31	231.8	8.56	252.3	9.54	259.6	9.79	269.6	10.05	277.0	10.22
		66.1	196.6	6.13	212.8	7.19	231.8	8.42	252.3	9.40	259.6	9.64	269.6	9.89	277.0	10.05
		131.9	196.6	5.64	212.8	6.70	231.8	7.84	252.3	8.82	259.6	9.07	269.6	9.23	277.0	9.40
		150.5	196.6	5.53	212.8	6.65	231.8	7.74	252.3	8.72	259.6	8.91	269.6	9.13	277.0	9.24
		174.9	196.6	5.39	212.8	6.58	231.8	7.60	252.3	8.58	259.6	8.70	269.6	8.99	277.0	9.03

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



# COOLING CAPACITY DATA



ARWM504DAS5

504,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	67	52.8	196.6	7.74	212.8	9.07	231.8	10.46	252.3	11.79	259.6	12.14	269.6	12.36	277.0	12.63
		66.1	196.6	7.60	212.8	8.91	231.8	10.30	252.3	11.60	259.6	11.93	269.6	12.17	277.0	12.42
		131.9	196.6	7.03	212.8	8.25	231.8	9.64	252.3	10.87	259.6	11.11	269.6	11.44	277.0	11.60
		150.5	196.6	6.87	212.8	8.15	231.8	9.54	252.3	10.76	259.6	11.01	269.6	11.28	277.0	11.44
		174.9	196.6	6.66	212.8	8.01	231.8	9.40	252.3	10.62	259.6	10.87	269.6	11.07	277.0	11.23
	75	52.8	196.6	9.42	212.8	10.95	231.8	12.79	252.3	14.47	259.6	14.79	269.6	15.12	277.0	15.34
		66.1	196.6	9.23	212.8	10.79	231.8	12.58	252.3	14.22	259.6	14.54	269.6	14.87	277.0	15.12
		131.9	196.6	8.50	212.8	10.13	231.8	11.77	252.3	13.24	259.6	13.56	269.6	13.89	277.0	14.22
		150.5	196.6	8.34	212.8	9.97	231.8	11.61	252.3	13.08	259.6	13.40	269.6	13.73	277.0	13.95
		174.9	196.6	8.13	212.8	9.76	231.8	11.40	252.3	12.87	259.6	13.20	269.6	13.52	277.0	13.60
	86	52.8	196.6	11.69	212.8	13.55	231.8	15.79	252.3	17.77	259.6	18.20	269.6	18.59	277.0	18.94
		66.1	196.6	11.44	212.8	13.32	231.8	15.52	252.3	17.49	259.6	17.89	269.6	18.30	277.0	18.63
		131.9	196.6	10.46	212.8	12.42	231.8	14.46	252.3	16.34	259.6	16.67	269.6	17.16	277.0	17.40
		150.5	196.6	10.30	212.8	12.26	231.8	14.30	252.3	16.13	259.6	16.51	269.6	16.95	277.0	17.14
		174.9	196.6	10.09	212.8	12.05	231.8	14.09	252.3	15.85	259.6	16.30	269.6	16.67	277.0	16.79
	95	52.8	196.6	12.91	212.8	15.04	231.8	17.53	252.3	19.67	259.6	20.19	269.6	20.68	277.0	21.00
		66.1	196.6	12.66	212.8	14.79	231.8	17.24	252.3	19.37	259.6	19.86	269.6	20.35	277.0	20.67
		131.9	196.6	11.68	212.8	13.81	231.8	16.10	252.3	18.14	259.6	18.55	269.6	19.04	277.0	19.37
		150.5	196.6	11.47	212.8	13.65	231.8	15.89	252.3	17.93	259.6	18.34	269.6	18.83	277.0	19.05
		174.9	196.6	11.19	212.8	13.44	231.8	15.61	252.3	17.65	259.6	18.06	269.6	18.55	277.0	18.63
	104	52.8	196.6	15.34	212.8	17.77	231.8	20.78	252.3	23.33	259.6	23.92	269.6	24.50	277.0	24.90
		66.1	196.6	15.03	212.8	17.49	231.8	20.43	252.3	22.96	259.6	23.53	269.6	24.10	277.0	24.51
		131.9	196.6	13.81	212.8	16.34	231.8	19.04	252.3	21.49	259.6	21.98	269.6	22.55	277.0	22.96
		150.5	196.6	13.54	212.8	16.13	231.8	18.83	252.3	21.23	259.6	21.72	269.6	22.29	277.0	22.54
		174.9	196.6	13.19	212.8	15.85	231.8	18.55	252.3	20.88	259.6	21.37	269.6	21.94	277.0	21.98
	113	52.8	196.6	17.78	212.8	20.51	231.8	24.03	252.3	26.99	259.6	27.66	269.6	28.32	277.0	28.81
		66.1	196.6	17.40	212.8	20.18	231.8	23.61	252.3	26.56	259.6	27.21	269.6	27.86	277.0	28.35
		131.9	196.6	15.93	212.8	18.87	231.8	21.98	252.3	24.84	259.6	25.41	269.6	26.07	277.0	26.56
		150.5	196.6	15.61	212.8	18.61	231.8	21.77	252.3	24.52	259.6	25.09	269.6	25.75	277.0	26.03
		174.9	196.6	15.20	212.8	18.26	231.8	21.49	252.3	24.10	259.6	24.67	269.6	25.33	277.0	25.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	50	60.9	531.1	17.39	575.2	20.40	625.9	23.75	680.2	26.63	701.1	27.23	728.6	28.13	748.8	28.52
		76.2	531.1	17.08	575.2	20.04	625.9	23.35	680.2	26.20	701.1	26.83	728.6	27.65	748.8	28.09
		152.1	531.1	15.84	575.2	18.59	625.9	21.73	680.2	24.50	701.1	25.23	728.6	25.75	748.8	26.39
		167.4	531.1	15.50	575.2	18.40	625.9	21.46	680.2	24.09	701.1	24.82	728.6	25.42	748.8	25.83
		182.4	531.1	15.16	575.2	18.21	625.9	21.20	680.2	23.68	701.1	24.41	728.6	25.09	748.8	25.29
	59	60.9	522.4	22.93	565.8	26.73	615.9	31.15	669.5	34.99	689.7	35.82	716.5	36.77	736.8	37.40
		76.2	522.4	22.49	565.8	26.28	615.9	30.63	669.5	34.43	689.7	35.26	716.5	36.19	736.8	36.83
		152.1	522.4	20.73	565.8	24.53	615.9	28.60	669.5	32.21	689.7	33.04	716.5	33.87	736.8	34.61
		167.4	522.4	20.31	565.8	24.18	615.9	28.18	669.5	31.72	689.7	32.55	716.5	33.38	736.8	33.98
		182.4	522.4	19.90	565.8	23.83	615.9	27.76	669.5	31.23	689.7	32.07	716.5	32.90	736.8	33.36
	67	60.9	514.6	27.86	557.5	32.35	606.9	37.72	659.9	42.42	679.6	43.46	705.8	44.45	726.1	45.29
		76.2	514.6	27.30	557.5	31.84	606.9	37.11	659.9	41.74	679.6	42.76	705.8	43.78	726.1	44.61
		152.1	514.6	25.08	557.5	29.80	606.9	34.71	659.9	39.06	679.6	39.98	705.8	41.09	726.1	41.93
		167.4	514.6	24.59	557.5	29.31	606.9	34.14	659.9	38.49	679.6	39.42	705.8	40.46	726.1	41.22
		182.4	514.6	24.11	557.5	28.83	606.9	33.59	659.9	37.94	679.6	38.87	705.8	39.84	726.1	40.53
	75	60.9	514.6	34.37	557.5	39.87	606.9	46.47	659.9	52.42	679.6	53.62	705.8	54.89	726.1	55.82
		76.2	514.6	33.69	557.5	39.24	606.9	45.72	659.9	51.55	679.6	52.75	705.8	54.05	726.1	54.97
		152.1	514.6	31.00	557.5	36.74	606.9	42.76	659.9	48.13	679.6	49.33	705.8	50.72	726.1	51.64
		167.4	514.6	30.30	557.5	36.11	606.9	42.13	659.9	47.42	679.6	48.63	705.8	49.95	726.1	50.80
		182.4	514.6	29.61	557.5	35.49	606.9	41.51	659.9	46.73	679.6	47.94	705.8	49.19	726.1	49.97
	86	60.9	514.6	41.29	557.5	47.88	606.9	55.77	659.9	62.85	679.6	64.33	705.8	65.91	726.1	66.99
		76.2	514.6	40.44	557.5	47.11	606.9	54.88	659.9	61.82	679.6	63.30	705.8	64.88	726.1	65.99
		152.1	514.6	37.11	557.5	44.05	606.9	51.37	659.9	57.75	679.6	59.23	705.8	60.81	726.1	62.01
		167.4	514.6	36.34	557.5	43.35	606.9	50.52	659.9	56.91	679.6	58.39	705.8	59.90	726.1	60.95
		182.4	514.6	35.58	557.5	42.66	606.9	49.69	659.9	56.08	679.6	57.56	705.8	59.00	726.1	59.92
	95	60.9	463.4	41.63	501.5	48.46	546.2	56.44	593.8	63.48	611.7	65.10	635.5	66.67	653.4	67.73
		76.2	463.4	40.81	501.5	47.66	546.2	55.53	593.8	62.47	611.7	64.04	635.5	65.62	653.4	66.73
		152.1	463.4	37.58	501.5	44.52	546.2	51.92	593.8	58.49	611.7	59.88	635.5	61.45	653.4	62.75
		167.4	463.4	36.80	501.5	43.81	546.2	51.08	593.8	57.58	611.7	59.04	635.5	60.54	653.4	61.62
		182.4	463.4	36.04	501.5	43.12	546.2	50.25	593.8	56.68	611.7	58.21	635.5	59.64	653.4	60.52
	104	60.9	411.6	44.02	446.1	51.07	485.4	59.54	527.7	66.97	543.8	68.54	564.6	70.21	580.7	71.51
		76.2	411.6	43.13	446.1	50.25	485.4	58.58	527.7	65.90	543.8	67.47	564.6	69.13	580.7	70.43
		152.1	411.6	39.61	446.1	47.02	485.4	54.79	527.7	61.64	543.8	63.21	564.6	64.88	580.7	66.17
		167.4	411.6	38.77	446.1	46.24	485.4	53.88	527.7	60.73	543.8	62.30	564.6	63.90	580.7	65.05
		182.4	411.6	37.94	446.1	45.48	485.4	52.98	527.7	59.83	543.8	61.40	564.6	62.93	580.7	63.95
	113	60.9	359.8	46.40	390.7	53.69	424.7	62.64	461.6	70.47	475.9	71.99	493.8	73.75	508.1	75.28
		76.2	359.8	45.44	390.7	52.85	424.7	61.64	461.6	69.32	475.9	70.89	493.8	72.65	508.1	74.13
		152.1	359.8	41.65	390.7	49.51	424.7	57.66	461.6	64.79	475.9	66.54	493.8	68.30	508.1	69.60
		167.4	359.8	40.74	390.7	48.67	424.7	56.68	461.6	63.88	475.9	65.56	493.8	67.24	508.1	68.47
		182.4	359.8	39.84	390.7	47.84	424.7	55.71	461.6	62.98	475.9	64.59	493.8	66.21	508.1	67.37
120	50	60.9	502.8	16.59	543.9	19.35	592.8	22.40	644.1	25.23	663.1	26.01	689.4	26.64	708.5	26.93
		76.2	502.8	16.25	543.9	19.03	592.8	22.06	644.1	24.83	663.1	25.56	689.4	26.18	708.5	26.53
		152.1	502.8	14.91	543.9	17.78	592.8	20.73	644.1	23.22	663.1	23.75	689.4	24.38	708.5	24.92
		167.4	502.8	14.57	543.9	17.36	592.8	20.39	644.1	22.81	663.1	23.49	689.4	24.04	708.5	24.52
		182.4	502.8	14.23	543.9	16.95	592.8	20.05	644.1	22.40	663.1	23.23	689.4	23.71	708.5	24.12
	59	60.9	496.7	22.01	537.8	25.59	586.1	29.71	636.7	33.49	655.8	34.34	681.4	35.17	700.4	35.71
		76.2	496.7	21.56	537.8	25.17	586.1	29.25	636.7	32.95	655.8	33.78	681.4	34.61	700.4	35.17
		152.1	496.7	19.81	537.8	23.51	586.1	27.39	636.7	30.82	655.8	31.56	681.4	32.39	700.4	33.04
		167.4	496.7	19.39	537.8	23.09	586.1	26.97	636.7	30.33	655.8	31.14	681.4	31.90	700.4	32.48
		182.4	496.7	18.97	537.8	22.67	586.1	26.56	636.7	29.84	655.8	30.72	681.4	31.42	700.4	31.93
	67	60.9	491.4	26.82	532.5	31.15	580.1	36.22	630.2	40.82	649.2	41.75	674.2	42.76	693.3	43.51
		76.2	491.4	26.28	532.5	30.63	580.1	35.63	630.2	40.17	649.2	41.09	674.2	42.11	693.3	42.85
		152.1	491.4	24.16	532.5	28.60	580.1	33.32	630.2	37.58	649.2	38.50	674.2	39.52	693.3	40.26
		167.4	491.4	23.67	532.5	28.18	580.1	32.83	630.2	37.01	649.2	37.94	674.2	38.89	693.3	39.56
		182.4	491.4	23.18	532.5	27.76	580.1	32.34	630.2	36.46	649.2	37.39	674.2	38.27	693.3	38.87

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA

ARWM576DAS5

576,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	60.9	491.4	32.95	532.5	38.30	580.1	44.59	630.2	50.12	649.2	51.35	674.2	52.67	693.3	53.57
		76.2	491.4	32.30	532.5	37.67	580.1	43.87	630.2	49.33	649.2	50.53	674.2	51.83	693.3	52.75
		152.1	491.4	29.71	532.5	35.17	580.1	41.00	630.2	46.18	649.2	47.29	674.2	48.50	693.3	49.51
		167.4	491.4	29.08	532.5	34.61	580.1	40.37	630.2	45.48	649.2	46.59	674.2	47.79	693.3	48.60
		182.4	491.4	28.46	532.5	34.06	580.1	39.75	630.2	44.79	649.2	45.90	674.2	47.10	693.3	47.70
	86	60.9	491.4	39.73	532.5	46.28	580.1	53.92	630.2	60.68	649.2	62.06	674.2	63.66	693.3	64.77
		76.2	491.4	38.96	532.5	45.53	580.1	53.03	630.2	59.69	649.2	61.08	674.2	62.66	693.3	63.77
		152.1	491.4	35.91	532.5	42.57	580.1	49.51	630.2	55.81	649.2	57.20	674.2	58.68	693.3	59.79
		167.4	491.4	35.14	532.5	41.87	580.1	48.74	630.2	54.97	649.2	56.36	674.2	57.84	693.3	58.73
		182.4	491.4	34.38	532.5	41.18	580.1	47.98	630.2	54.14	649.2	55.53	674.2	57.01	693.3	57.70
	95	60.9	449.7	40.80	487.2	47.42	530.7	55.22	576.6	62.18	593.8	63.68	617.1	65.14	634.3	66.37
		76.2	449.7	39.98	487.2	46.65	530.7	54.33	576.6	61.18	593.8	62.66	617.1	64.14	634.3	65.34
		152.1	449.7	36.74	487.2	43.59	530.7	50.81	576.6	57.20	593.8	58.58	617.1	60.16	634.3	61.27
		167.4	449.7	35.97	487.2	42.89	530.7	50.04	576.6	56.36	593.8	57.74	617.1	59.25	634.3	60.21
		182.4	449.7	35.21	487.2	42.20	530.7	49.28	576.6	55.53	593.8	56.91	617.1	58.35	634.3	59.18
	104	60.9	408.0	43.90	442.0	50.98	481.3	59.45	523.6	66.88	539.0	68.48	559.9	70.14	575.4	71.44
		76.2	408.0	43.04	442.0	50.16	481.3	58.49	523.6	65.80	539.0	67.38	559.9	69.04	575.4	70.34
		152.1	408.0	39.61	442.0	46.92	481.3	54.70	523.6	61.55	539.0	63.03	559.9	64.69	575.4	65.99
		167.4	408.0	38.77	442.0	46.15	481.3	53.86	523.6	60.64	539.0	62.19	559.9	63.78	575.4	64.79
		182.4	408.0	37.94	442.0	45.39	481.3	53.03	523.6	59.74	539.0	61.36	559.9	62.88	575.4	63.62
	113	60.9	366.3	47.00	396.7	54.54	431.8	63.68	470.5	71.58	484.2	73.27	502.7	75.14	516.4	76.50
		76.2	366.3	46.09	396.7	53.68	431.8	62.66	470.5	70.43	484.2	72.10	502.7	73.95	516.4	75.34
		152.1	366.3	42.48	396.7	50.25	431.8	58.58	470.5	65.90	484.2	67.47	502.7	69.23	516.4	70.71
		167.4	366.3	41.57	396.7	49.41	431.8	57.67	470.5	64.92	484.2	66.63	502.7	68.32	516.4	69.37
		182.4	366.3	40.67	396.7	48.58	431.8	56.77	470.5	63.95	484.2	65.80	502.7	67.42	516.4	68.06
110	50	60.9	473.8	15.66	513.8	18.12	559.1	21.23	607.3	23.83	625.2	24.34	650.3	25.12	667.5	25.46
		76.2	473.8	15.34	513.8	17.83	559.1	20.87	607.3	23.45	625.2	23.98	650.3	24.71	667.5	25.06
		152.1	473.8	14.09	513.8	16.67	559.1	19.44	607.3	21.93	625.2	22.57	650.3	23.10	667.5	23.45
		167.4	473.8	13.82	513.8	16.40	559.1	19.10	607.3	21.67	625.2	22.08	650.3	22.76	667.5	23.05
		182.4	473.8	13.55	513.8	16.13	559.1	18.76	607.3	21.41	625.2	21.60	650.3	22.42	667.5	22.65
	59	60.9	471.1	20.97	510.4	24.37	555.7	28.42	604.0	31.98	621.8	32.72	646.2	33.58	664.1	34.13
		76.2	471.1	20.55	510.4	23.97	555.7	27.95	604.0	31.47	621.8	32.21	646.2	33.04	664.1	33.60
		152.1	471.1	18.88	510.4	22.40	555.7	26.10	604.0	29.43	621.8	30.17	646.2	30.91	664.1	31.47
		167.4	471.1	18.53	510.4	22.05	555.7	25.68	604.0	29.01	621.8	29.68	646.2	30.49	664.1	30.90
		182.4	471.1	18.18	510.4	21.70	555.7	25.26	604.0	28.60	621.8	29.20	646.2	30.08	664.1	30.35
	67	60.9	468.8	25.69	507.5	29.92	552.7	34.80	601.0	39.22	618.8	40.17	642.7	41.10	661.1	41.84
		76.2	468.8	25.17	507.5	29.43	552.7	34.24	601.0	38.59	618.8	39.52	642.7	40.44	661.1	41.18
		152.1	468.8	23.14	507.5	27.49	552.7	32.02	601.0	36.09	618.8	36.93	642.7	37.85	661.1	38.59
		167.4	468.8	22.72	507.5	27.07	552.7	31.53	601.0	35.53	618.8	36.44	642.7	37.36	661.1	37.89
		182.4	468.8	22.30	507.5	26.65	552.7	31.05	601.0	34.98	618.8	35.95	642.7	36.88	661.1	37.20
	75	60.9	468.8	31.43	507.5	36.59	552.7	42.60	601.0	47.97	618.8	49.08	642.7	50.31	661.1	51.23
		76.2	468.8	30.82	507.5	36.00	552.7	41.93	601.0	47.20	618.8	48.31	642.7	49.51	661.1	50.44
		152.1	468.8	28.41	507.5	33.69	552.7	39.24	601.0	44.15	618.8	45.26	642.7	46.37	661.1	47.29
		167.4	468.8	27.78	507.5	33.12	552.7	38.61	601.0	43.51	618.8	44.56	642.7	45.73	661.1	46.38
		182.4	468.8	27.16	507.5	32.57	552.7	37.99	601.0	42.89	618.8	43.87	642.7	45.11	661.1	45.48
	86	60.9	468.8	38.32	507.5	44.59	552.7	51.93	601.0	58.52	618.8	59.91	642.7	61.30	661.1	62.44
		76.2	468.8	37.58	507.5	43.87	552.7	51.09	601.0	57.57	618.8	58.95	642.7	60.34	661.1	61.45
		152.1	468.8	34.61	507.5	41.00	552.7	47.76	601.0	53.77	618.8	55.16	642.7	56.55	661.1	57.57
		167.4	468.8	33.91	507.5	40.37	552.7	47.05	601.0	53.00	618.8	54.32	642.7	55.71	661.1	56.51
		182.4	468.8	33.22	507.5	39.75	552.7	46.36	601.0	52.24	618.8	53.49	642.7	54.88	661.1	55.48
	95	60.9	436.6	39.94	472.9	46.38	515.2	53.99	559.9	60.86	576.6	62.27	599.2	63.75	615.9	64.98
		76.2	436.6	39.15	472.9	45.63	515.2	53.12	559.9	59.88	576.6	61.27	599.2	62.75	615.9	63.95
		152.1	436.6	36.00	472.9	42.67	515.2	49.70	559.9	55.99	576.6	57.29	599.2	58.77	615.9	59.88
		167.4	436.6	35.23	472.9	41.96	515.2	48.93	559.9	55.15	576.6	56.52	599.2	57.93	615.9	58.75
		182.4	436.6	34.47	472.9	41.27	515.2	48.17	559.9	54.32	576.6	55.76	599.2	57.10	615.9	57.65

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	60.9	404.4	43.81	438.4	51.00	477.1	59.36	518.8	66.79	534.3	68.38	555.1	70.05	570.6	71.37
		76.2	404.4	42.94	438.4	50.16	477.1	58.40	518.8	65.71	534.3	67.28	555.1	68.95	570.6	70.25
		152.1	404.4	39.52	438.4	46.83	477.1	54.60	518.8	61.45	534.3	62.93	555.1	64.60	570.6	65.80
		167.4	404.4	38.68	438.4	46.06	477.1	53.76	518.8	60.54	534.3	62.09	555.1	63.69	570.6	64.54
		182.4	404.4	37.85	438.4	45.30	477.1	52.93	518.8	59.64	534.3	61.26	555.1	62.79	570.6	63.30
	113	60.9	372.3	47.67	403.8	55.63	439.0	64.73	477.7	72.71	492.0	74.49	511.0	76.34	525.3	77.75
		76.2	372.3	46.74	403.8	54.70	439.0	63.67	477.7	71.54	492.0	73.30	511.0	75.15	525.3	76.54
		152.1	372.3	43.04	403.8	51.00	439.0	59.51	477.7	66.91	492.0	68.58	511.0	70.43	525.3	71.73
		167.4	372.3	42.13	403.8	50.15	439.0	58.60	477.7	65.93	492.0	67.67	511.0	69.45	525.3	70.32
		182.4	372.3	41.23	403.8	49.32	439.0	57.70	477.7	64.96	492.0	66.77	511.0	68.48	525.3	68.94
100	50	60.9	445.5	14.81	482.5	17.22	525.3	19.77	571.2	22.54	588.5	22.85	611.1	23.62	628.4	24.08
		76.2	445.5	14.52	482.5	16.93	525.3	19.48	571.2	22.18	588.5	22.51	611.1	23.24	628.4	23.69
		152.1	445.5	13.36	482.5	15.76	525.3	18.34	571.2	20.75	588.5	21.19	611.1	21.73	628.4	22.18
		167.4	445.5	13.02	482.5	15.49	525.3	18.00	571.2	20.41	588.5	20.85	611.1	21.39	628.4	21.62
		182.4	445.5	12.68	482.5	15.22	525.3	17.66	571.2	20.08	588.5	20.52	611.1	21.05	628.4	21.08
	59	60.9	445.5	20.02	482.5	23.23	525.3	26.98	571.2	30.48	588.5	31.12	611.1	31.98	628.4	32.54
		76.2	445.5	19.62	482.5	22.86	525.3	26.56	571.2	29.99	588.5	30.63	611.1	31.47	628.4	32.02
		152.1	445.5	18.05	482.5	21.38	525.3	24.90	571.2	28.04	588.5	28.69	611.1	29.43	628.4	29.99
		167.4	445.5	17.63	482.5	21.03	525.3	24.48	571.2	27.62	588.5	28.27	611.1	29.01	628.4	29.35
		182.4	445.5	17.21	482.5	20.68	525.3	24.06	571.2	27.21	588.5	27.86	611.1	28.60	628.4	28.73
	67	60.9	445.5	24.65	482.5	28.58	525.3	33.39	571.2	37.54	588.5	38.48	611.1	39.41	628.4	40.06
		76.2	445.5	24.16	482.5	28.14	525.3	32.86	571.2	36.93	588.5	37.85	611.1	38.78	628.4	39.43
		152.1	445.5	22.21	482.5	26.38	525.3	30.73	571.2	34.52	588.5	35.35	611.1	36.28	628.4	36.93
		167.4	445.5	21.72	482.5	25.96	525.3	30.24	571.2	34.03	588.5	34.86	611.1	35.79	628.4	36.23
		182.4	445.5	21.24	482.5	25.54	525.3	29.75	571.2	33.55	588.5	34.38	611.1	35.31	628.4	35.54
	75	60.9	445.5	30.02	482.5	34.90	525.3	40.64	571.2	45.82	588.5	46.95	611.1	48.06	628.4	48.90
		76.2	445.5	29.43	482.5	34.34	525.3	39.98	571.2	45.07	588.5	46.18	611.1	47.29	628.4	48.13
		152.1	445.5	27.12	482.5	32.11	525.3	37.39	571.2	42.11	588.5	43.13	611.1	44.24	628.4	45.07
		167.4	445.5	26.55	482.5	31.62	525.3	36.83	571.2	41.48	588.5	42.50	611.1	43.61	628.4	44.16
		182.4	445.5	26.00	482.5	31.14	525.3	36.28	571.2	40.86	588.5	41.88	611.1	42.99	628.4	43.26
	86	60.9	445.5	36.91	482.5	43.00	525.3	50.05	571.2	56.35	588.5	57.67	611.1	59.06	628.4	60.19
		76.2	445.5	36.19	482.5	42.30	525.3	49.24	571.2	55.44	588.5	56.73	611.1	58.12	628.4	59.23
		152.1	445.5	33.32	482.5	39.52	525.3	46.00	571.2	51.83	588.5	53.03	611.1	54.42	628.4	55.44
		167.4	445.5	32.62	482.5	38.89	525.3	45.30	571.2	51.06	588.5	52.33	611.1	53.65	628.4	54.31
		182.4	445.5	31.93	482.5	38.27	525.3	44.61	571.2	50.30	588.5	51.64	611.1	52.89	628.4	53.21
	95	60.9	423.5	38.99	458.6	45.33	499.1	52.76	542.6	59.45	558.7	60.86	580.7	62.34	596.8	63.48
		76.2	423.5	38.22	458.6	44.61	499.1	51.92	542.6	58.49	558.7	59.88	580.7	61.36	596.8	62.47
		152.1	423.5	35.17	458.6	41.74	499.1	48.59	542.6	54.70	558.7	55.99	580.7	57.47	596.8	58.49
		167.4	423.5	34.47	458.6	41.04	499.1	47.82	542.6	53.93	558.7	55.22	580.7	56.63	596.8	57.30
		182.4	423.5	33.78	458.6	40.35	499.1	47.06	542.6	53.17	558.7	54.46	580.7	55.80	596.8	56.13
	104	60.9	400.9	43.83	434.2	50.89	472.9	59.26	514.0	66.69	529.5	68.29	550.4	69.98	565.2	71.18
		76.2	400.9	42.94	434.2	50.07	472.9	58.31	514.0	65.62	529.5	67.19	550.4	68.86	565.2	70.06
		152.1	400.9	39.43	434.2	46.83	472.9	54.51	514.0	61.36	529.5	62.84	550.4	64.41	565.2	65.62
		167.4	400.9	38.66	434.2	46.06	472.9	53.67	514.0	60.45	529.5	61.93	550.4	63.50	565.2	64.28
		182.4	400.9	37.90	434.2	45.30	472.9	52.84	514.0	59.55	529.5	61.03	550.4	62.61	565.2	62.97
	113	60.9	378.2	48.67	409.8	56.44	446.7	65.77	485.4	73.94	500.3	75.72	520.0	77.62	533.7	78.89
		76.2	378.2	47.66	409.8	55.53	446.7	64.69	485.4	72.74	500.3	74.50	520.0	76.35	533.7	77.65
		152.1	378.2	43.68	409.8	51.92	446.7	60.44	485.4	68.02	500.3	69.69	520.0	71.36	533.7	72.74
		167.4	378.2	42.84	409.8	51.08	446.7	59.53	485.4	66.97	500.3	68.63	520.0	70.38	533.7	71.27
		182.4	378.2	42.01	409.8	50.25	446.7	58.63	485.4	65.94	500.3	67.60	520.0	69.41	533.7	69.82
90	50	60.9	400.9	12.59	434.2	14.61	472.9	17.09	514.0	19.34	529.5	19.69	550.4	20.10	565.2	20.73
		76.2	400.9	12.37	434.2	14.41	472.9	16.82	514.0	19.05	529.5	19.40	550.4	19.84	565.2	20.40
		152.1	400.9	11.49	434.2	13.63	472.9	15.76	514.0	17.91	529.5	18.26	550.4	18.80	565.2	19.05
		167.4	400.9	11.22	434.2	13.28	472.9	15.56	514.0	17.49	529.5	17.99	550.4	18.53	565.2	18.57
		182.4	400.9	10.95	434.2	12.93	472.9	15.36	514.0	17.07	529.5	17.72	550.4	18.26	565.2	18.10

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahrirectory.org](http://www.ahrirectory.org).

# COOLING CAPACITY DATA

ARWM576DAS5



576,000 Btu/h, Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	60.9	400.9	17.17	434.2	19.92	472.9	23.23	514.0	26.24	529.5	26.80	550.4	27.45	565.2	28.02
		76.2	400.9	16.84	434.2	19.62	472.9	22.86	514.0	25.82	529.5	26.38	550.4	27.02	565.2	27.58
		152.1	400.9	15.55	434.2	18.42	472.9	21.38	514.0	24.16	529.5	24.71	550.4	25.36	565.2	25.82
		167.4	400.9	15.20	434.2	18.07	472.9	21.10	514.0	23.74	529.5	24.36	550.4	25.01	565.2	25.26
		182.4	400.9	14.85	434.2	17.72	472.9	20.82	514.0	23.32	529.5	24.01	550.4	24.66	565.2	24.71
	67	60.9	400.9	21.24	434.2	24.65	472.9	28.70	514.0	32.37	529.5	33.12	550.4	33.97	565.2	34.50
		76.2	400.9	20.82	434.2	24.25	472.9	28.23	514.0	31.84	529.5	32.58	550.4	33.41	565.2	33.97
		152.1	400.9	19.16	434.2	22.67	472.9	26.38	514.0	29.71	529.5	30.45	550.4	31.19	565.2	31.84
		167.4	400.9	18.74	434.2	22.32	472.9	26.03	514.0	29.29	529.5	30.03	550.4	30.77	565.2	31.20
		182.4	400.9	18.32	434.2	21.98	472.9	25.68	514.0	28.87	529.5	29.61	550.4	30.35	565.2	30.58
	75	60.9	400.9	25.87	434.2	30.11	472.9	34.99	514.0	39.41	529.5	40.36	550.4	41.38	565.2	42.14
		76.2	400.9	25.36	434.2	29.62	472.9	34.43	514.0	38.78	529.5	39.70	550.4	40.72	565.2	41.46
		152.1	400.9	23.32	434.2	27.67	472.9	32.21	514.0	36.28	529.5	37.11	550.4	38.13	565.2	38.78
		167.4	400.9	22.83	434.2	27.18	472.9	31.72	514.0	35.72	529.5	36.62	550.4	37.57	565.2	38.01
		182.4	400.9	22.35	434.2	26.70	472.9	31.23	514.0	35.17	529.5	36.14	550.4	37.02	565.2	37.25
	86	60.9	400.9	31.82	434.2	36.98	472.9	43.09	514.0	48.55	529.5	49.66	550.4	50.89	565.2	51.84
		76.2	400.9	31.19	434.2	36.37	472.9	42.39	514.0	47.76	529.5	48.87	550.4	50.07	565.2	51.00
		152.1	400.9	28.69	434.2	33.97	472.9	39.61	514.0	44.61	529.5	45.72	550.4	46.83	565.2	47.66
		167.4	400.9	28.06	434.2	33.48	472.9	38.98	514.0	43.98	529.5	45.02	550.4	46.20	565.2	46.75
		182.4	400.9	27.44	434.2	32.99	472.9	38.36	514.0	43.36	529.5	44.33	550.4	45.58	565.2	45.85
	95	60.9	390.1	34.39	422.3	39.90	459.8	46.47	499.7	52.30	514.6	53.53	534.9	54.82	549.8	55.86
		76.2	390.1	33.69	422.3	39.24	459.8	45.72	499.7	51.46	514.6	52.66	534.9	53.96	549.8	54.97
		152.1	390.1	30.91	422.3	36.65	459.8	42.76	499.7	48.13	514.6	49.24	534.9	50.53	549.8	51.46
		167.4	390.1	30.28	422.3	36.09	459.8	42.06	499.7	47.42	514.6	48.60	534.9	49.83	549.8	50.40
		182.4	390.1	29.66	422.3	35.54	459.8	41.37	499.7	46.73	514.6	47.98	534.9	49.14	549.8	49.37
	104	60.9	378.8	39.48	410.4	45.82	446.7	53.32	485.4	60.12	500.3	61.51	519.4	63.01	534.3	64.12
		76.2	378.8	38.69	410.4	45.07	446.7	52.48	485.4	59.14	500.3	60.53	519.4	62.01	534.3	63.12
		152.1	378.8	35.54	410.4	42.11	446.7	49.14	485.4	55.25	500.3	56.64	519.4	58.03	534.3	59.14
		167.4	378.8	34.77	410.4	41.48	446.7	48.37	485.4	54.48	500.3	55.80	519.4	57.26	534.3	57.94
		182.4	378.8	34.01	410.4	40.86	446.7	47.61	485.4	53.72	500.3	54.97	519.4	56.50	534.3	56.77
	113	60.9	367.5	44.57	398.5	51.74	433.6	60.17	471.1	67.94	486.0	69.49	503.9	71.21	518.8	72.39
		76.2	367.5	43.68	398.5	50.90	433.6	59.23	471.1	66.82	486.0	68.39	503.9	70.06	518.8	71.26
		152.1	367.5	40.17	398.5	47.57	433.6	55.53	471.1	62.38	486.0	64.04	503.9	65.53	518.8	66.82
		167.4	367.5	39.26	398.5	46.87	433.6	54.69	471.1	61.54	486.0	62.99	503.9	64.69	518.8	65.49
		182.4	367.5	38.36	398.5	46.18	433.6	53.86	471.1	60.71	486.0	61.96	503.9	63.86	518.8	64.18
80	50	60.9	356.2	10.77	386.0	12.25	420.5	14.25	456.8	16.33	470.5	16.53	489.0	17.04	502.7	17.17
		76.2	356.2	10.52	386.0	12.10	420.5	14.06	456.8	16.03	470.5	16.29	489.0	16.74	502.7	16.90
		152.1	356.2	9.52	386.0	11.50	420.5	13.27	456.8	14.87	470.5	15.32	489.0	15.57	502.7	15.84
		167.4	356.2	9.47	386.0	11.22	420.5	13.07	456.8	14.67	470.5	14.97	489.0	15.37	502.7	15.58
		182.4	356.2	9.42	386.0	10.94	420.5	12.87	456.8	14.47	470.5	14.62	489.0	15.17	502.7	15.32
	59	60.9	356.2	14.46	386.0	16.73	420.5	19.46	456.8	22.03	470.5	22.47	489.0	23.05	502.7	23.42
		76.2	356.2	14.16	386.0	16.47	420.5	19.16	456.8	21.66	470.5	22.12	489.0	22.67	502.7	23.04
		152.1	356.2	12.96	386.0	15.46	420.5	17.95	456.8	20.18	470.5	20.73	489.0	21.19	502.7	21.56
		167.4	356.2	12.75	386.0	15.18	420.5	17.67	456.8	19.90	470.5	20.38	489.0	20.91	502.7	21.14
		182.4	356.2	12.54	386.0	14.90	420.5	17.40	456.8	19.62	470.5	20.04	489.0	20.64	502.7	20.73
	67	60.9	356.2	17.75	386.0	20.71	420.5	24.09	456.8	27.10	470.5	27.75	489.0	28.39	502.7	28.97
		76.2	356.2	17.40	386.0	20.36	420.5	23.69	456.8	26.65	470.5	27.30	489.0	27.95	502.7	28.51
		152.1	356.2	16.01	386.0	18.97	420.5	22.12	456.8	24.90	470.5	25.54	489.0	26.19	502.7	26.65
		167.4	356.2	15.66	386.0	18.69	420.5	21.77	456.8	24.55	470.5	25.19	489.0	25.84	502.7	26.09
		182.4	356.2	15.32	386.0	18.42	420.5	21.42	456.8	24.20	470.5	24.85	489.0	25.50	502.7	25.54
	75	60.9	356.2	21.73	386.0	25.22	420.5	29.34	456.8	33.00	470.5	33.88	489.0	34.71	502.7	35.27
		76.2	356.2	21.29	386.0	24.80	420.5	28.88	456.8	32.49	470.5	33.32	489.0	34.15	502.7	34.71
		152.1	356.2	19.53	386.0	23.14	420.5	27.02	456.8	30.45	470.5	31.10	489.0	31.93	502.7	32.49
		167.4	356.2	19.11	386.0	22.79	420.5	26.60	456.8	29.96	470.5	30.68	489.0	31.51	502.7	31.85
		182.4	356.2	18.69	386.0	22.44	420.5	26.19	456.8	29.47	470.5	30.26	489.0	31.09	502.7	31.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	60.9	356.2	26.61	386.0	30.94	420.5	36.12	456.8	40.64	470.5	41.56	489.0	42.60	502.7	43.46
		76.2	356.2	26.10	386.0	30.45	420.5	35.54	456.8	39.98	470.5	40.91	489.0	41.93	502.7	42.76
		152.1	356.2	24.06	386.0	28.51	420.5	33.23	456.8	37.39	470.5	38.32	489.0	39.24	502.7	39.98
		167.4	356.2	23.57	386.0	28.02	420.5	32.66	456.8	36.83	470.5	37.75	489.0	38.68	502.7	39.21
		182.4	356.2	23.09	386.0	27.53	420.5	32.11	456.8	36.28	470.5	37.20	489.0	38.13	502.7	38.45
	95	60.9	356.2	29.65	386.0	34.43	420.5	40.06	456.8	45.15	470.5	46.28	489.0	47.42	502.7	48.25
		76.2	356.2	29.06	386.0	33.87	420.5	39.43	456.8	44.42	470.5	45.53	489.0	46.65	502.7	47.48
		152.1	356.2	26.75	386.0	31.65	420.5	36.93	456.8	41.55	470.5	42.57	489.0	43.59	502.7	44.42
		167.4	356.2	26.18	386.0	31.16	420.5	36.36	456.8	40.92	470.5	41.94	489.0	43.03	502.7	43.51
		182.4	356.2	25.63	386.0	30.68	420.5	35.81	456.8	40.30	470.5	41.32	489.0	42.48	502.7	42.61
	104	60.9	356.2	35.13	386.0	40.84	420.5	47.51	456.8	53.53	470.5	54.75	489.0	56.16	502.7	57.09
		76.2	356.2	34.43	386.0	40.17	420.5	46.74	456.8	52.66	470.5	53.86	489.0	55.25	502.7	56.18
		152.1	356.2	31.65	386.0	37.48	420.5	43.68	456.8	49.24	470.5	50.35	489.0	51.64	502.7	52.57
		167.4	356.2	30.95	386.0	36.92	420.5	42.98	456.8	48.47	470.5	49.65	489.0	50.94	502.7	51.51
		182.4	356.2	30.26	386.0	36.37	420.5	42.29	456.8	47.71	470.5	48.96	489.0	50.25	502.7	50.48
	113	60.9	356.2	40.61	386.0	47.25	420.5	54.96	456.8	61.90	470.5	63.22	489.0	64.91	502.7	65.93
		76.2	356.2	39.80	386.0	46.46	420.5	54.05	456.8	60.90	470.5	62.19	489.0	63.86	502.7	64.88
		152.1	356.2	36.56	386.0	43.31	420.5	50.44	456.8	56.92	470.5	58.12	489.0	59.69	502.7	60.71
		167.4	356.2	35.72	386.0	42.68	420.5	49.60	456.8	56.01	470.5	57.35	489.0	58.85	502.7	59.52
		182.4	356.2	34.89	386.0	42.06	420.5	48.77	456.8	55.11	470.5	56.59	489.0	58.02	502.7	58.35
70	50	60.9	312.1	8.79	337.7	10.23	368.1	11.83	399.7	13.34	411.6	13.85	427.7	14.21	439.6	14.25
		76.2	312.1	8.63	337.7	10.05	368.1	11.65	399.7	13.17	411.6	13.63	427.7	13.99	439.6	14.06
		152.1	312.1	8.02	337.7	9.34	368.1	10.94	399.7	12.47	411.6	12.74	427.7	13.10	439.6	13.27
		167.4	312.1	7.89	337.7	9.21	368.1	10.81	399.7	12.19	411.6	12.46	427.7	12.82	439.6	13.00
		182.4	312.1	7.76	337.7	9.08	368.1	10.68	399.7	11.91	411.6	12.18	427.7	12.54	439.6	12.73
	59	60.9	312.1	11.99	337.7	13.93	368.1	16.18	399.7	18.24	411.6	18.72	427.7	19.18	439.6	19.46
		76.2	312.1	11.75	337.7	13.70	368.1	15.92	399.7	17.95	411.6	18.42	427.7	18.88	439.6	19.16
		152.1	312.1	10.83	337.7	12.77	368.1	14.90	399.7	16.84	411.6	17.21	427.7	17.68	439.6	17.95
		167.4	312.1	10.62	337.7	12.56	368.1	14.69	399.7	16.56	411.6	16.93	427.7	17.40	439.6	17.60
		182.4	312.1	10.41	337.7	12.35	368.1	14.48	399.7	16.29	411.6	16.66	427.7	17.12	439.6	17.26
	67	60.9	312.1	14.83	337.7	17.22	368.1	20.04	399.7	22.59	411.6	23.05	427.7	23.60	439.6	24.09
		76.2	312.1	14.53	337.7	16.94	368.1	19.71	399.7	22.21	411.6	22.67	427.7	23.23	439.6	23.69
		152.1	312.1	13.33	337.7	15.83	368.1	18.42	399.7	20.73	411.6	21.19	427.7	21.75	439.6	22.12
		167.4	312.1	13.05	337.7	15.55	368.1	18.14	399.7	20.45	411.6	20.91	427.7	21.47	439.6	21.70
		182.4	312.1	12.77	337.7	15.27	368.1	17.86	399.7	20.17	411.6	20.64	427.7	21.19	439.6	21.28
	75	60.9	312.1	18.03	337.7	20.99	368.1	24.34	399.7	27.47	411.6	28.12	427.7	28.76	439.6	29.34
		76.2	312.1	17.68	337.7	20.64	368.1	23.97	399.7	27.02	411.6	27.67	427.7	28.32	439.6	28.88
		152.1	312.1	16.29	337.7	19.25	368.1	22.49	399.7	25.27	411.6	25.91	427.7	26.56	439.6	27.02
		167.4	312.1	15.94	337.7	18.97	368.1	22.14	399.7	24.92	411.6	25.49	427.7	26.14	439.6	26.46
		182.4	312.1	15.59	337.7	18.69	368.1	21.79	399.7	24.57	411.6	25.08	427.7	25.73	439.6	25.91
	86	60.9	312.1	22.19	337.7	25.78	368.1	30.01	399.7	33.76	411.6	34.62	427.7	35.45	439.6	36.12
		76.2	312.1	21.75	337.7	25.36	368.1	29.52	399.7	33.23	411.6	34.06	427.7	34.89	439.6	35.54
		152.1	312.1	19.99	337.7	23.69	368.1	27.58	399.7	31.10	411.6	31.84	427.7	32.67	439.6	33.23
		167.4	312.1	19.57	337.7	23.34	368.1	27.16	399.7	30.61	411.6	31.42	427.7	32.18	439.6	32.59
		182.4	312.1	19.16	337.7	23.00	368.1	26.74	399.7	30.12	411.6	31.00	427.7	31.70	439.6	31.97
	95	60.9	312.1	24.65	337.7	28.58	368.1	33.42	399.7	37.54	411.6	38.48	427.7	39.41	439.6	40.06
		76.2	312.1	24.16	337.7	28.14	368.1	32.86	399.7	36.93	411.6	37.85	427.7	38.78	439.6	39.43
		152.1	312.1	22.21	337.7	26.38	368.1	30.63	399.7	34.52	411.6	35.35	427.7	36.28	439.6	36.93
		167.4	312.1	21.72	337.7	25.89	368.1	30.21	399.7	34.03	411.6	34.86	427.7	35.79	439.6	36.23
		182.4	312.1	21.24	337.7	25.40	368.1	29.80	399.7	33.55	411.6	34.38	427.7	35.31	439.6	35.54
	104	60.9	312.1	29.18	337.7	33.86	368.1	39.50	399.7	44.50	411.6	45.52	427.7	46.65	439.6	47.49
		76.2	312.1	28.60	337.7	33.32	368.1	38.87	399.7	43.78	411.6	44.79	427.7	45.90	439.6	46.74
		152.1	312.1	26.28	337.7	31.19	368.1	36.37	399.7	40.91	411.6	41.93	427.7	42.94	439.6	43.78
		167.4	312.1	25.72	337.7	30.70	368.1	35.74	399.7	40.27	411.6	41.29	427.7	42.38	439.6	42.87
		182.4	312.1	25.17	337.7	30.22	368.1	35.12	399.7	39.65	411.6	40.67	427.7	41.83	439.6	41.97

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# COOLING CAPACITY DATA



ARWM576DAS5

576,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	60.9	312.1	33.72	337.7	39.13	368.1	45.59	399.7	51.47	411.6	52.55	427.7	53.90	439.6	54.91
		76.2	312.1	33.04	337.7	38.50	368.1	44.89	399.7	50.62	411.6	51.74	427.7	53.03	439.6	54.05
		152.1	312.1	30.36	337.7	36.00	368.1	42.11	399.7	47.29	411.6	48.50	427.7	49.61	439.6	50.62
		167.4	312.1	29.72	337.7	35.51	368.1	41.27	399.7	46.52	411.6	47.73	427.7	48.97	439.6	49.50
		182.4	312.1	29.10	337.7	35.03	368.1	40.44	399.7	45.76	411.6	46.97	427.7	48.35	439.6	48.40
60	50	60.9	267.4	6.98	289.5	8.14	315.1	9.35	342.5	10.78	353.2	11.07	366.9	11.19	377.0	11.36
		76.2	267.4	6.85	289.5	8.01	315.1	9.24	342.5	10.60	353.2	10.86	366.9	11.04	377.0	11.21
		152.1	267.4	6.32	289.5	7.47	315.1	8.82	342.5	9.88	353.2	10.05	366.9	10.42	377.0	10.60
		167.4	267.4	6.11	289.5	7.41	315.1	8.68	342.5	9.75	353.2	9.92	366.9	10.21	377.0	10.40
		182.4	267.4	5.90	289.5	7.35	315.1	8.55	342.5	9.62	353.2	9.79	366.9	10.01	377.0	10.20
	59	60.9	267.4	9.53	289.5	11.11	315.1	12.87	342.5	14.58	353.2	14.97	366.9	15.23	377.0	15.50
		76.2	267.4	9.35	289.5	10.92	315.1	12.68	342.5	14.35	353.2	14.72	366.9	14.99	377.0	15.27
		152.1	267.4	8.61	289.5	10.18	315.1	11.94	342.5	13.42	353.2	13.70	366.9	14.07	377.0	14.35
		167.4	267.4	8.40	289.5	10.04	315.1	11.73	342.5	13.21	353.2	13.49	366.9	13.86	377.0	14.07
		182.4	267.4	8.19	289.5	9.90	315.1	11.52	342.5	13.00	353.2	13.28	366.9	13.65	377.0	13.79
	67	60.9	267.4	11.80	289.5	13.75	315.1	15.99	342.5	17.96	353.2	18.44	366.9	18.81	377.0	19.18
		76.2	267.4	11.57	289.5	13.51	315.1	15.73	342.5	17.68	353.2	18.14	366.9	18.51	377.0	18.88
		152.1	267.4	10.64	289.5	12.59	315.1	14.72	342.5	16.57	353.2	16.94	366.9	17.31	377.0	17.68
		167.4	267.4	10.43	289.5	12.38	315.1	14.44	342.5	16.29	353.2	16.66	366.9	17.10	377.0	17.33
		182.4	267.4	10.23	289.5	12.17	315.1	14.16	342.5	16.01	353.2	16.38	366.9	16.89	377.0	16.98
	75	60.9	267.4	14.35	289.5	16.75	315.1	19.49	342.5	21.91	353.2	22.38	366.9	22.93	377.0	23.42
		76.2	267.4	14.07	289.5	16.47	315.1	19.16	342.5	21.56	353.2	22.03	366.9	22.58	377.0	23.04
		152.1	267.4	12.96	289.5	15.36	315.1	17.86	342.5	20.18	353.2	20.64	366.9	21.19	377.0	21.56
		167.4	267.4	12.68	289.5	15.08	315.1	17.58	342.5	19.83	353.2	20.36	366.9	20.84	377.0	21.14
		182.4	267.4	12.40	289.5	14.81	315.1	17.31	342.5	19.48	353.2	20.08	366.9	20.50	377.0	20.73
	86	60.9	267.4	17.66	289.5	20.50	315.1	23.88	342.5	26.89	353.2	27.56	366.9	28.21	377.0	28.79
		76.2	267.4	17.31	289.5	20.18	315.1	23.51	342.5	26.47	353.2	27.12	366.9	27.77	377.0	28.32
		152.1	267.4	15.92	289.5	18.88	315.1	22.03	342.5	24.80	353.2	25.36	366.9	26.01	377.0	26.47
		167.4	267.4	15.57	289.5	18.60	315.1	21.68	342.5	24.45	353.2	25.01	366.9	25.66	377.0	25.98
		182.4	267.4	15.22	289.5	18.32	315.1	21.33	342.5	24.11	353.2	24.66	366.9	25.31	377.0	25.49
	95	60.9	267.4	19.65	289.5	22.86	315.1	26.64	342.5	29.90	353.2	30.66	366.9	31.43	377.0	31.98
		76.2	267.4	19.25	289.5	22.49	315.1	26.19	342.5	29.43	353.2	30.17	366.9	30.91	377.0	31.47
		152.1	267.4	17.68	289.5	21.01	315.1	24.43	342.5	27.58	353.2	28.23	366.9	28.88	377.0	29.43
		167.4	267.4	17.33	289.5	20.66	315.1	24.08	342.5	27.16	353.2	27.81	366.9	28.53	377.0	28.87
		182.4	267.4	16.98	289.5	20.31	315.1	23.74	342.5	26.74	353.2	27.39	366.9	28.18	377.0	28.32
	104	60.9	267.4	23.21	289.5	26.98	315.1	31.52	342.5	35.48	353.2	36.31	366.9	37.14	377.0	37.91
		76.2	267.4	22.77	289.5	26.56	315.1	31.00	342.5	34.89	353.2	35.72	366.9	36.56	377.0	37.30
		152.1	267.4	21.01	289.5	24.90	315.1	28.97	342.5	32.58	353.2	33.41	366.9	34.24	377.0	34.89
		167.4	267.4	20.52	289.5	24.48	315.1	28.55	342.5	32.09	353.2	32.92	366.9	33.75	377.0	34.19
		182.4	267.4	20.03	289.5	24.06	315.1	28.13	342.5	31.60	353.2	32.44	366.9	33.27	377.0	33.50
	113	60.9	267.4	26.78	289.5	31.10	315.1	36.40	342.5	41.05	353.2	41.96	366.9	42.86	377.0	43.83
		76.2	267.4	26.28	289.5	30.63	315.1	35.82	342.5	40.35	353.2	41.28	366.9	42.20	377.0	43.13
		152.1	267.4	24.34	289.5	28.78	315.1	33.50	342.5	37.58	353.2	38.59	366.9	39.61	377.0	40.35
		167.4	267.4	23.71	289.5	28.29	315.1	33.01	342.5	37.01	353.2	38.03	366.9	38.98	377.0	39.51
		182.4	267.4	23.09	289.5	27.81	315.1	32.53	342.5	36.46	353.2	37.48	366.9	38.36	377.0	38.68
50	50	60.9	222.8	5.18	241.2	6.05	262.7	7.28	285.9	7.94	294.2	8.09	305.6	8.44	313.9	8.50
		76.2	222.8	5.07	241.2	5.96	262.7	7.14	285.9	7.83	294.2	8.01	305.6	8.28	313.9	8.36
		152.1	222.8	4.62	241.2	5.61	262.7	6.59	285.9	7.39	294.2	7.67	305.6	7.65	313.9	7.83
		167.4	222.8	4.55	241.2	5.62	262.7	6.45	285.9	7.25	294.2	7.38	305.6	7.59	313.9	7.62
		182.4	222.8	4.49	241.2	5.63	262.7	6.32	285.9	7.11	294.2	7.10	305.6	7.53	313.9	7.41
	59	60.9	222.8	7.08	241.2	8.28	262.7	9.70	285.9	10.81	294.2	11.08	305.6	11.39	313.9	11.57
		76.2	222.8	6.94	241.2	8.14	262.7	9.53	285.9	10.64	294.2	10.92	305.6	11.20	313.9	11.38
		152.1	222.8	6.39	241.2	7.59	262.7	8.88	285.9	10.00	294.2	10.27	305.6	10.46	313.9	10.64
		167.4	222.8	6.25	241.2	7.52	262.7	8.74	285.9	9.86	294.2	10.06	305.6	10.32	313.9	10.43
		182.4	222.8	6.11	241.2	7.45	262.7	8.61	285.9	9.72	294.2	9.86	305.6	10.18	313.9	10.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB / °F WB)													
			68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	67	60.9	222.8	8.77	241.2	10.27	262.7	11.85	285.9	13.35	294.2	13.75	305.6	14.00	313.9	14.30
		76.2	222.8	8.61	241.2	10.09	262.7	11.66	285.9	13.14	294.2	13.51	305.6	13.79	313.9	14.07
		152.1	222.8	7.96	241.2	9.35	262.7	10.92	285.9	12.31	294.2	12.59	305.6	12.96	313.9	13.14
		167.4	222.8	7.75	241.2	9.21	262.7	10.78	285.9	12.17	294.2	12.45	305.6	12.75	313.9	12.93
		182.4	222.8	7.54	241.2	9.07	262.7	10.64	285.9	12.03	294.2	12.31	305.6	12.54	313.9	12.72
	75	60.9	222.8	10.67	241.2	12.40	262.7	14.49	285.9	16.38	294.2	16.75	305.6	17.12	313.9	17.38
		76.2	222.8	10.46	241.2	12.22	262.7	14.25	285.9	16.10	294.2	16.47	305.6	16.84	313.9	17.12
		152.1	222.8	9.63	241.2	11.48	262.7	13.33	285.9	14.99	294.2	15.36	305.6	15.73	313.9	16.10
		167.4	222.8	9.42	241.2	11.27	262.7	13.12	285.9	14.78	294.2	15.15	305.6	15.52	313.9	15.75
		182.4	222.8	9.21	241.2	11.06	262.7	12.91	285.9	14.58	294.2	14.95	305.6	15.32	313.9	15.41
	86	60.9	222.8	13.24	241.2	15.34	262.7	17.89	285.9	20.13	294.2	20.62	305.6	21.06	313.9	21.45
		76.2	222.8	12.96	241.2	15.09	262.7	17.58	285.9	19.81	294.2	20.27	305.6	20.73	313.9	21.10
		152.1	222.8	11.85	241.2	14.07	262.7	16.38	285.9	18.51	294.2	18.88	305.6	19.44	313.9	19.71
		167.4	222.8	11.64	241.2	13.86	262.7	16.17	285.9	18.23	294.2	18.67	305.6	19.16	313.9	19.36
		182.4	222.8	11.43	241.2	13.65	262.7	15.96	285.9	17.95	294.2	18.46	305.6	18.88	313.9	19.02
	95	60.9	222.8	14.63	241.2	17.03	262.7	19.86	285.9	22.29	294.2	22.86	305.6	23.42	313.9	23.79
		76.2	222.8	14.35	241.2	16.75	262.7	19.53	285.9	21.93	294.2	22.49	305.6	23.04	313.9	23.42
		152.1	222.8	13.23	241.2	15.64	262.7	18.23	285.9	20.55	294.2	21.01	305.6	21.56	313.9	21.93
		167.4	222.8	12.95	241.2	15.43	262.7	17.95	285.9	20.27	294.2	20.73	305.6	21.28	313.9	21.51
		182.4	222.8	12.68	241.2	15.22	262.7	17.68	285.9	19.99	294.2	20.45	305.6	21.01	313.9	21.10
	104	60.9	222.8	17.38	241.2	20.13	262.7	23.53	285.9	26.43	294.2	27.10	305.6	27.75	313.9	28.21
		76.2	222.8	17.03	241.2	19.81	262.7	23.14	285.9	26.01	294.2	26.65	305.6	27.30	313.9	27.77
		152.1	222.8	15.64	241.2	18.51	262.7	21.56	285.9	24.34	294.2	24.90	305.6	25.54	313.9	26.01
		167.4	222.8	15.29	241.2	18.23	262.7	21.28	285.9	23.99	294.2	24.55	305.6	25.19	313.9	25.44
		182.4	222.8	14.95	241.2	17.95	262.7	21.01	285.9	23.64	294.2	24.20	305.6	24.85	313.9	24.89
	113	60.9	222.8	20.13	241.2	23.23	262.7	27.21	285.9	30.57	294.2	31.33	305.6	32.07	313.9	32.63
		76.2	222.8	19.71	241.2	22.86	262.7	26.75	285.9	30.08	294.2	30.82	305.6	31.56	313.9	32.11
		152.1	222.8	18.05	241.2	21.38	262.7	24.90	285.9	28.14	294.2	28.78	305.6	29.52	313.9	30.08
		167.4	222.8	17.63	241.2	21.03	262.7	24.62	285.9	27.72	294.2	28.36	305.6	29.10	313.9	29.38
		182.4	222.8	17.21	241.2	20.68	262.7	24.34	285.9	27.30	294.2	27.95	305.6	28.69	313.9	28.69

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

# HEATING CAPACITY DATA



ARWM072DAS5

72,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	23	8.1	38.3	3.22	38.0	3.03	37.8	2.82	37.3	2.73	37.7	2.66	36.7	2.39
		13.2	41.0	3.33	40.7	3.15	40.5	2.95	39.9	2.86	40.4	2.78	39.3	2.50
		20.3	44.8	3.49	44.5	3.32	44.2	3.12	43.6	3.03	44.2	2.95	43.0	2.65
		25.4	49.6	3.72	49.1	3.55	48.8	3.37	48.2	3.28	48.8	3.18	47.5	2.85
		30.5	52.0	3.83	51.5	3.66	51.1	3.49	50.5	3.40	51.2	3.30	49.8	2.96
	32	8.1	68.5	4.40	66.9	4.27	65.5	4.13	64.0	4.01	64.3	3.90	61.3	3.49
		13.2	69.3	4.43	67.7	4.29	66.3	4.16	64.8	4.04	65.1	3.92	62.1	3.52
		20.3	70.5	4.46	68.8	4.32	67.4	4.19	65.9	4.07	66.2	3.95	63.2	3.55
		25.4	71.6	4.46	69.8	4.32	68.4	4.19	66.9	4.07	67.1	3.95	64.1	3.55
		30.5	72.1	4.46	70.4	4.32	68.9	4.19	67.4	4.07	67.6	3.95	64.6	3.55
	41	8.1	98.6	4.73	97.1	4.61	95.1	4.49	92.7	4.37	90.2	4.25	85.2	3.80
		13.2	99.3	4.77	97.5	4.66	95.1	4.54	92.7	4.42	90.2	4.29	85.2	3.84
		20.3	100.3	4.83	98.0	4.72	95.2	4.61	92.7	4.48	90.2	4.35	85.2	3.90
		25.4	100.9	4.86	98.3	4.75	95.2	4.64	92.7	4.51	90.2	4.38	85.2	3.93
		30.5	101.2	4.88	98.4	4.76	95.2	4.65	92.7	4.53	90.2	4.40	85.2	3.94
	50	8.1	98.7	4.30	97.1	4.16	94.8	4.08	92.3	3.99	89.8	3.85	84.9	3.48
		13.2	99.9	4.28	98.1	4.17	95.6	4.10	93.1	3.99	90.5	3.85	85.6	3.47
		20.3	101.6	4.26	99.4	4.18	96.7	4.12	94.2	3.98	91.5	3.84	86.6	3.46
		25.4	102.2	4.32	100.1	4.23	97.3	4.13	94.6	4.00	92.2	3.90	87.1	3.63
		30.5	102.4	4.35	100.4	4.26	97.6	4.14	94.9	4.00	92.5	3.93	87.4	3.71
	59	8.1	98.9	3.88	97.1	3.71	94.4	3.67	91.9	3.61	89.5	3.46	84.5	3.15
		13.2	100.6	3.80	98.6	3.68	96.0	3.65	93.5	3.56	90.9	3.40	85.9	3.10
		20.3	102.9	3.68	100.8	3.63	98.2	3.63	95.7	3.48	92.9	3.32	87.9	3.02
		25.4	103.5	3.77	101.8	3.72	99.4	3.63	96.7	3.48	94.2	3.42	89.0	3.32
		30.5	103.7	3.82	102.3	3.76	100.0	3.63	97.2	3.48	94.8	3.47	89.5	3.48
	68	8.1	102.6	3.56	100.8	3.39	98.1	3.32	95.4	3.21	92.6	3.14	87.1	3.04
		13.2	104.3	3.51	102.5	3.39	99.7	3.31	97.0	3.24	94.3	3.18	88.8	2.99
		20.3	106.7	3.43	104.8	3.38	101.9	3.30	99.2	3.28	96.7	3.24	91.2	2.92
		25.4	107.1	3.43	105.6	3.38	103.1	3.32	100.1	3.28	97.4	3.24	91.9	3.10
		30.5	107.4	3.43	105.9	3.38	103.7	3.33	100.6	3.28	97.8	3.24	92.3	3.20
	77	8.1	108.4	3.39	105.6	3.29	103.1	3.24	101.1	3.18	98.9	3.14	93.2	2.93
		13.2	108.4	3.36	105.6	3.28	103.1	3.21	101.1	3.15	98.9	3.11	93.2	2.90
		20.3	108.4	3.32	105.6	3.27	103.1	3.17	101.1	3.12	98.9	3.07	93.2	2.86
		25.4	108.4	3.28	105.6	3.18	103.1	3.12	101.1	3.07	98.9	3.02	93.2	2.82
		30.5	108.4	3.25	105.6	3.14	103.1	3.10	101.1	3.04	98.9	2.99	93.2	2.79
	86	8.1	108.4	3.30	105.6	3.14	103.1	3.11	101.1	3.03	98.9	3.00	93.2	2.79
		13.2	108.4	3.25	105.6	3.13	103.1	3.07	101.1	3.00	98.9	2.94	93.2	2.74
		20.3	108.4	3.17	105.6	3.11	103.1	3.02	101.1	2.97	98.9	2.86	93.2	2.66
		25.4	108.4	3.12	105.6	3.03	103.1	2.97	101.1	2.92	98.9	2.86	93.2	2.66
		30.5	108.4	3.10	105.6	2.99	103.1	2.95	101.1	2.89	98.9	2.86	93.2	2.66
	95	8.1	108.4	3.15	105.6	3.05	103.1	2.98	101.1	2.88	98.9	2.78	93.2	2.58
		13.2	108.4	3.10	105.6	3.01	103.1	2.95	101.1	2.85	98.9	2.75	93.2	2.53
		20.3	108.4	3.02	105.6	2.96	103.1	2.92	101.1	2.82	98.9	2.71	93.2	2.46
		25.4	108.4	3.02	105.6	2.93	103.1	2.86	101.1	2.76	98.9	2.66	93.2	2.46
		30.5	108.4	3.02	105.6	2.91	103.1	2.84	101.1	2.74	98.9	2.64	93.2	2.46
	104	8.1	108.4	3.04	105.6	2.95	103.1	2.89	101.1	2.79	98.9	2.69	93.2	2.43
		13.2	108.4	2.99	105.6	2.91	103.1	2.84	101.1	2.74	98.9	2.64	93.2	2.38
		20.3	108.4	2.92	105.6	2.85	103.1	2.76	101.1	2.66	98.9	2.56	93.2	2.30
		25.4	108.4	2.86	105.6	2.81	103.1	2.76	101.1	2.66	98.9	2.56	93.2	2.30
		30.5	108.4	2.84	105.6	2.78	103.1	2.76	101.1	2.66	98.9	2.56	93.2	2.30
	113	8.1	108.4	2.94	105.6	2.85	103.1	2.80	101.1	2.70	98.9	2.60	93.2	2.28
		13.2	108.4	2.89	105.6	2.81	103.1	2.72	101.1	2.62	98.9	2.52	93.2	2.23
		20.3	108.4	2.82	105.6	2.75	103.1	2.61	101.1	2.51	98.9	2.40	93.2	2.15
		25.4	108.4	2.71	105.6	2.68	103.1	2.66	101.1	2.56	98.9	2.46	93.2	2.15
		30.5	108.4	2.66	105.6	2.65	103.1	2.69	101.1	2.58	98.9	2.48	93.2	2.15

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	23	8.1	36.4	3.22	36.1	3.03	35.9	2.82	35.5	2.70	35.8	2.62	34.8	2.35
		13.2	39.0	3.33	38.7	3.15	38.5	2.95	38.0	2.82	38.4	2.74	37.3	2.45
		20.3	42.6	3.49	42.3	3.32	42.0	3.12	41.5	2.99	41.9	2.91	40.8	2.60
		25.4	47.1	3.72	46.7	3.55	46.4	3.37	45.9	3.23	46.3	3.13	45.0	2.81
		30.5	49.3	3.83	49.0	3.66	48.6	3.49	48.1	3.35	48.5	3.25	47.1	2.91
	32	8.1	65.1	4.40	63.5	4.27	62.2	4.13	60.9	3.95	60.9	3.84	58.1	3.44
		13.2	65.9	4.43	64.3	4.29	63.0	4.16	61.7	3.98	61.7	3.87	58.9	3.46
		20.3	67.0	4.46	65.4	4.32	64.0	4.19	62.7	4.01	62.7	3.90	59.9	3.49
		25.4	68.0	4.46	66.5	4.32	65.0	4.19	63.7	4.01	63.6	3.90	60.8	3.49
		30.5	68.6	4.46	67.0	4.32	65.5	4.19	64.2	4.01	64.1	3.90	61.3	3.49
	41	8.1	93.8	4.73	92.4	4.61	90.4	4.49	88.2	4.30	85.4	4.18	80.8	3.74
		13.2	94.5	4.77	92.8	4.66	90.4	4.54	88.2	4.35	85.4	4.23	80.8	3.78
		20.3	95.5	4.83	93.3	4.72	90.4	4.61	88.2	4.41	85.4	4.29	80.8	3.84
		25.4	96.1	4.86	92.8	4.75	90.4	4.64	88.2	4.45	85.4	4.32	80.8	3.86
		30.5	96.3	4.88	92.5	4.76	90.4	4.65	88.2	4.46	85.4	4.34	80.8	3.88
	50	8.1	94.2	4.25	92.4	4.13	90.2	4.05	88.0	3.92	85.2	3.79	80.6	3.41
		13.2	95.1	4.28	93.2	4.16	90.7	4.08	88.5	3.93	85.7	3.79	81.0	3.42
		20.3	96.4	4.32	94.3	4.21	91.4	4.12	89.2	3.95	86.3	3.78	81.6	3.43
		25.4	96.9	4.30	94.0	4.21	91.8	4.13	89.6	3.96	86.7	3.80	82.0	3.55
		30.5	97.2	4.30	93.9	4.21	92.0	4.14	89.8	3.97	86.9	3.80	82.2	3.61
	59	8.1	94.5	3.77	92.6	3.66	89.9	3.60	87.7	3.54	85.0	3.40	80.3	3.08
		13.2	95.6	3.79	93.8	3.67	91.0	3.61	88.7	3.51	85.9	3.35	81.2	3.05
		20.3	97.2	3.81	95.4	3.69	92.5	3.63	90.2	3.48	87.2	3.28	82.5	3.02
		25.4	97.7	3.75	95.3	3.66	93.2	3.63	90.9	3.48	87.9	3.28	83.3	3.22
		30.5	98.0	3.72	95.3	3.65	93.6	3.63	91.3	3.48	88.3	3.28	83.6	3.33
	68	8.1	97.1	3.39	95.3	3.24	92.4	3.16	89.8	3.11	86.9	3.07	82.2	2.92
		13.2	98.4	3.39	96.5	3.27	93.4	3.19	91.0	3.14	88.1	3.07	83.2	2.89
		20.3	100.2	3.39	98.1	3.30	94.9	3.22	92.7	3.17	89.7	3.06	84.7	2.86
		25.4	100.7	3.36	98.0	3.28	95.7	3.22	93.2	3.17	90.2	3.07	85.2	2.97
		30.5	100.9	3.34	98.0	3.26	96.1	3.22	93.5	3.17	90.5	3.08	85.5	3.02
	77	8.1	101.8	3.20	98.9	3.05	95.7	3.00	93.7	2.93	91.2	2.88	86.2	2.68
		13.2	101.9	3.17	98.9	3.04	95.7	2.99	93.7	2.90	91.2	2.85	86.2	2.65
		20.3	102.1	3.14	98.9	3.03	95.7	2.97	93.7	2.86	91.2	2.82	86.2	2.61
		25.4	102.4	3.03	98.9	2.95	95.7	2.92	93.7	2.86	91.2	2.76	86.2	2.61
		30.5	102.6	2.97	98.9	2.91	95.7	2.89	93.7	2.86	91.2	2.74	86.2	2.61
	86	8.1	102.4	3.06	98.9	2.91	95.7	2.83	93.7	2.72	91.2	2.69	86.2	2.47
		13.2	102.4	3.01	98.9	2.88	95.7	2.80	93.7	2.69	91.2	2.64	86.2	2.44
		20.3	102.4	2.94	98.9	2.83	95.7	2.76	93.7	2.66	91.2	2.56	86.2	2.40
		25.4	102.4	2.84	98.9	2.76	95.7	2.71	93.7	2.66	91.2	2.56	86.2	2.36
		30.5	102.4	2.79	98.9	2.73	95.7	2.68	93.7	2.66	91.2	2.56	86.2	2.33
	95	8.1	102.4	2.93	98.9	2.77	95.7	2.69	93.7	2.58	91.2	2.48	86.2	2.26
		13.2	102.4	2.84	98.9	2.72	95.7	2.64	93.7	2.53	91.2	2.43	86.2	2.23
		20.3	102.4	2.72	98.9	2.64	95.7	2.56	93.7	2.46	91.2	2.36	86.2	2.20
		25.4	102.4	2.69	98.9	2.62	95.7	2.56	93.7	2.46	91.2	2.36	86.2	2.15
		30.5	102.4	2.67	98.9	2.61	95.7	2.56	93.7	2.46	91.2	2.36	86.2	2.12
	104	8.1	102.4	2.84	98.9	2.64	95.7	2.54	93.7	2.43	91.2	2.33	86.2	2.11
		13.2	102.4	2.73	98.9	2.58	95.7	2.48	93.7	2.38	91.2	2.28	86.2	2.08
		20.3	102.4	2.57	98.9	2.49	95.7	2.40	93.7	2.30	91.2	2.20	86.2	2.05
		25.4	102.4	2.54	98.9	2.46	95.7	2.40	93.7	2.30	91.2	2.20	86.2	2.00
		30.5	102.4	2.52	98.9	2.44	95.7	2.40	93.7	2.30	91.2	2.20	86.2	1.97
	113	8.1	102.4	2.75	98.9	2.51	95.7	2.38	93.7	2.28	91.2	2.17	86.2	1.95
		13.2	102.4	2.61	98.9	2.43	95.7	2.33	93.7	2.23	91.2	2.12	86.2	1.93
		20.3	102.4	2.41	98.9	2.33	95.7	2.25	93.7	2.15	91.2	2.05	86.2	1.90
		25.4	102.4	2.38	98.9	2.29	95.7	2.25	93.7	2.15	91.2	2.05	86.2	1.84
		30.5	102.4	2.37	98.9	2.27	95.7	2.25	93.7	2.15	91.2	2.05	86.2	1.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA

ARWM072DAS5

72,000 Btu/h, Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	8.1	34.5	3.26	34.2	3.03	34.0	2.82	33.7	2.70	33.7	2.62	33.0	2.35
		13.2	36.9	3.38	36.7	3.15	36.5	2.95	36.1	2.82	36.1	2.74	35.4	2.45
		20.3	40.3	3.54	40.1	3.32	39.9	3.12	39.4	2.99	39.4	2.91	38.7	2.60
		25.4	44.5	3.76	44.2	3.55	44.0	3.37	43.6	3.23	43.6	3.13	42.6	2.81
		30.5	46.7	3.88	46.3	3.66	46.1	3.49	45.6	3.35	45.6	3.25	44.7	2.91
	32	8.1	61.6	4.46	60.2	4.27	59.0	4.13	57.8	3.95	57.3	3.84	55.1	3.44
		13.2	62.4	4.48	61.0	4.29	59.7	4.16	58.5	3.98	58.0	3.87	55.8	3.46
		20.3	63.4	4.51	62.0	4.32	60.7	4.19	59.5	4.01	59.0	3.90	56.7	3.49
		25.4	64.3	4.51	63.0	4.32	61.6	4.19	60.4	4.01	59.9	3.90	57.6	3.49
		30.5	64.8	4.51	63.5	4.32	62.1	4.19	60.9	4.01	60.4	3.90	58.0	3.49
	41	8.1	89.8	4.79	87.7	4.61	85.7	4.49	83.7	4.30	80.5	4.18	76.6	3.74
		13.2	90.4	4.84	88.0	4.66	85.7	4.54	83.7	4.35	80.5	4.23	76.6	3.78
		20.3	91.3	4.90	88.5	4.72	85.7	4.61	83.7	4.41	80.5	4.29	76.6	3.84
		25.4	91.9	4.93	88.8	4.75	85.7	4.64	83.7	4.45	80.5	4.32	76.6	3.86
		30.5	92.1	4.94	88.9	4.76	85.7	4.65	83.7	4.46	80.5	4.34	76.6	3.88
	50	8.1	90.2	4.30	87.9	4.15	85.5	4.06	83.6	3.92	80.3	3.79	76.5	3.41
		13.2	90.9	4.32	88.4	4.18	85.8	4.09	83.9	3.93	80.6	3.79	76.7	3.42
		20.3	91.9	4.34	89.1	4.21	86.2	4.12	84.2	3.95	81.0	3.78	76.9	3.43
		25.4	92.4	4.34	89.4	4.21	86.5	4.11	84.4	3.94	81.2	3.80	77.2	3.47
		30.5	92.6	4.34	89.6	4.21	86.7	4.10	84.5	3.93	81.2	3.80	77.3	3.49
	59	8.1	90.4	3.80	88.1	3.69	85.5	3.63	83.5	3.54	80.2	3.40	76.4	3.08
		13.2	91.2	3.79	88.8	3.69	86.0	3.63	84.0	3.51	80.7	3.35	76.8	3.05
		20.3	92.3	3.77	89.7	3.69	86.7	3.63	84.7	3.48	81.5	3.28	77.3	3.02
		25.4	92.8	3.75	90.1	3.66	87.2	3.58	85.0	3.43	81.8	3.28	77.8	3.07
		30.5	93.1	3.73	90.3	3.65	87.4	3.56	85.1	3.41	81.9	3.28	78.0	3.10
	68	8.1	92.1	3.28	89.6	3.20	86.7	3.12	84.4	3.07	81.3	2.98	77.0	2.79
		13.2	93.1	3.29	90.2	3.20	87.2	3.12	85.1	3.07	81.8	2.95	77.6	2.78
		20.3	94.6	3.31	91.1	3.20	87.9	3.12	86.0	3.07	82.5	2.92	78.5	2.76
		25.4	95.1	3.31	91.9	3.20	88.5	3.12	86.2	3.02	83.0	2.92	78.7	2.76
		30.5	95.4	3.31	92.2	3.20	88.7	3.12	86.3	2.99	83.2	2.92	78.9	2.76
	77	8.1	95.0	2.99	92.2	2.88	88.5	2.83	86.5	2.72	83.5	2.62	79.0	2.40
		13.2	95.4	2.98	92.2	2.85	88.5	2.80	86.5	2.69	83.5	2.59	79.0	2.40
		20.3	95.9	2.96	92.2	2.82	88.5	2.76	86.5	2.66	83.5	2.56	79.0	2.40
		25.4	96.4	2.96	92.2	2.83	88.5	2.71	86.5	2.66	83.5	2.51	79.0	2.36
		30.5	96.6	2.96	92.2	2.83	88.5	2.68	86.5	2.66	83.5	2.49	79.0	2.33
	86	8.1	96.4	2.72	92.2	2.62	88.5	2.52	86.5	2.47	83.5	2.32	79.0	2.16
		13.2	96.4	2.69	92.2	2.59	88.5	2.49	86.5	2.44	83.5	2.29	79.0	2.13
		20.3	96.4	2.66	92.2	2.56	88.5	2.46	86.5	2.40	83.5	2.25	79.0	2.10
		25.4	96.4	2.64	92.2	2.51	88.5	2.40	86.5	2.36	83.5	2.25	79.0	2.10
		30.5	96.4	2.63	92.2	2.49	88.5	2.38	86.5	2.33	83.5	2.25	79.0	2.10
	95	8.1	96.4	2.58	92.2	2.42	88.5	2.32	86.5	2.22	83.5	2.11	79.0	1.95
		13.2	96.4	2.53	92.2	2.39	88.5	2.29	86.5	2.19	83.5	2.08	79.0	1.93
		20.3	96.4	2.46	92.2	2.36	88.5	2.25	86.5	2.15	83.5	2.05	79.0	1.90
		25.4	96.4	2.39	92.2	2.30	88.5	2.20	86.5	2.15	83.5	2.05	79.0	1.90
		30.5	96.4	2.36	92.2	2.28	88.5	2.18	86.5	2.15	83.5	2.05	79.0	1.90
	104	8.1	96.4	2.43	92.2	2.33	88.5	2.17	86.5	2.06	83.5	1.95	79.0	1.80
		13.2	96.4	2.38	92.2	2.28	88.5	2.12	86.5	2.03	83.5	1.93	79.0	1.77
		20.3	96.4	2.30	92.2	2.20	88.5	2.05	86.5	2.00	83.5	1.90	79.0	1.74
		25.4	96.4	2.27	92.2	2.15	88.5	2.05	86.5	1.94	83.5	1.84	79.0	1.69
		30.5	96.4	2.25	92.2	2.12	88.5	2.05	86.5	1.92	83.5	1.82	79.0	1.66
	113	8.1	96.4	2.28	92.2	2.24	88.5	2.03	86.5	1.91	83.5	1.80	79.0	1.65
		13.2	96.4	2.23	92.2	2.16	88.5	1.95	86.5	1.88	83.5	1.77	79.0	1.62
		20.3	96.4	2.15	92.2	2.05	88.5	1.84	86.5	1.84	83.5	1.74	79.0	1.59
		25.4	96.4	2.15	92.2	2.00	88.5	1.90	86.5	1.74	83.5	1.64	79.0	1.48
		30.5	96.4	2.15	92.2	1.97	88.5	1.92	86.5	1.69	83.5	1.58	79.0	1.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	8.1	32.6	3.26	32.3	3.07	32.2	2.82	31.9	2.70	31.6	2.58	31.0	2.35
		13.2	34.9	3.38	34.6	3.19	34.5	2.95	34.2	2.82	33.9	2.70	33.3	2.45
		20.3	38.1	3.54	37.9	3.36	37.7	3.12	37.3	2.99	37.0	2.86	36.4	2.60
		25.4	42.1	3.76	41.8	3.59	41.6	3.37	41.2	3.23	40.9	3.09	40.2	2.81
		30.5	44.1	3.88	43.8	3.71	43.6	3.49	43.2	3.35	42.9	3.20	42.1	2.91
	32	8.1	58.2	4.46	56.9	4.32	55.7	4.13	54.8	3.95	53.8	3.78	51.9	3.44
		13.2	58.9	4.48	57.6	4.35	56.4	4.16	55.5	3.98	54.5	3.81	52.5	3.46
		20.3	59.9	4.51	58.6	4.38	57.3	4.19	56.4	4.01	55.4	3.84	53.4	3.49
		25.4	60.8	4.51	59.5	4.38	58.2	4.19	57.2	4.01	56.2	3.84	54.3	3.49
		30.5	61.3	4.51	60.0	4.38	58.7	4.19	57.6	4.01	56.6	3.84	54.7	3.49
	41	8.1	85.9	4.79	83.0	4.67	80.9	4.49	79.3	4.30	75.5	4.12	72.0	3.74
		13.2	86.5	4.84	83.3	4.72	80.9	4.54	79.3	4.35	75.5	4.16	72.0	3.78
		20.3	87.4	4.90	83.8	4.78	81.0	4.61	79.3	4.41	75.5	4.22	72.0	3.84
		25.4	87.9	4.93	84.0	4.81	81.0	4.64	79.3	4.45	75.5	4.25	72.0	3.86
		30.5	88.2	4.94	84.1	4.83	81.0	4.65	79.3	4.46	75.5	4.26	72.0	3.88
	50	8.1	86.4	4.28	83.3	4.19	81.0	4.06	79.3	3.92	75.5	3.73	72.0	3.41
		13.2	86.8	4.32	83.6	4.22	81.0	4.09	79.3	3.93	75.5	3.74	72.0	3.42
		20.3	87.4	4.38	83.9	4.26	81.0	4.12	79.3	3.95	75.5	3.75	72.0	3.43
		25.4	88.0	4.37	84.2	4.26	81.0	4.11	79.3	3.94	75.5	3.74	72.0	3.41
		30.5	88.3	4.36	84.4	4.26	81.0	4.10	79.3	3.93	75.5	3.73	72.0	3.41
	59	8.1	86.8	3.78	83.7	3.71	81.0	3.63	79.3	3.54	75.5	3.34	72.0	3.08
		13.2	87.1	3.82	83.8	3.72	81.0	3.63	79.3	3.51	75.5	3.31	72.0	3.05
		20.3	87.4	3.87	83.9	3.73	81.0	3.63	79.3	3.48	75.5	3.28	72.0	3.02
		25.4	88.2	3.81	84.4	3.69	81.0	3.58	79.3	3.43	75.5	3.22	72.0	2.97
		30.5	88.5	3.77	84.6	3.68	81.0	3.56	79.3	3.41	75.5	3.20	72.0	2.95
	68	8.1	87.3	3.23	84.1	3.15	81.0	3.07	79.3	3.03	75.5	2.83	72.0	2.69
		13.2	88.0	3.26	84.2	3.15	81.0	3.07	79.3	3.00	75.5	2.80	72.0	2.64
		20.3	88.9	3.30	84.4	3.16	81.0	3.07	79.3	2.97	75.5	2.76	72.0	2.56
		25.4	89.4	3.24	85.1	3.13	81.0	3.02	79.3	2.92	75.5	2.71	72.0	2.51
		30.5	89.7	3.22	85.5	3.12	81.0	2.99	79.3	2.89	75.5	2.68	72.0	2.49
	77	8.1	88.4	2.82	85.4	2.74	81.0	2.62	79.3	2.52	75.5	2.37	72.0	2.15
		13.2	89.1	2.83	85.4	2.71	81.0	2.59	79.3	2.49	75.5	2.34	72.0	2.15
		20.3	90.0	2.84	85.4	2.66	81.0	2.56	79.3	2.46	75.5	2.30	72.0	2.15
		25.4	90.4	2.77	85.4	2.64	81.0	2.51	79.3	2.40	75.5	2.30	72.0	2.10
		30.5	90.6	2.74	85.4	2.63	81.0	2.49	79.3	2.38	75.5	2.30	72.0	2.07
	86	8.1	90.4	2.57	85.4	2.37	81.0	2.21	79.3	2.16	75.5	2.00	72.0	1.91
		13.2	90.4	2.54	85.4	2.34	81.0	2.20	79.3	2.13	75.5	2.00	72.0	1.88
		20.3	90.4	2.51	85.4	2.30	81.0	2.18	79.3	2.10	75.5	2.00	72.0	1.84
		25.4	90.4	2.46	85.4	2.30	81.0	2.15	79.3	2.10	75.5	1.94	72.0	1.84
		30.5	90.4	2.43	85.4	2.30	81.0	2.13	79.3	2.10	75.5	1.92	72.0	1.84
	95	8.1	90.4	2.38	85.4	2.17	81.0	1.95	79.3	1.91	75.5	1.80	72.0	1.65
		13.2	90.4	2.33	85.4	2.12	81.0	1.94	79.3	1.88	75.5	1.77	72.0	1.62
		20.3	90.4	2.25	85.4	2.05	81.0	1.92	79.3	1.84	75.5	1.74	72.0	1.59
		25.4	90.4	2.25	85.4	2.05	81.0	1.90	79.3	1.84	75.5	1.74	72.0	1.59
		30.5	90.4	2.25	85.4	2.05	81.0	1.88	79.3	1.84	75.5	1.74	72.0	1.59
	104	8.1	90.4	2.23	85.4	2.02	81.0	1.75	79.3	1.70	75.5	1.60	72.0	1.49
		13.2	90.4	2.18	85.4	1.97	81.0	1.74	79.3	1.67	75.5	1.57	72.0	1.46
		20.3	90.4	2.10	85.4	1.90	81.0	1.72	79.3	1.64	75.5	1.54	72.0	1.43
		25.4	90.4	2.05	85.4	1.90	81.0	1.69	79.3	1.64	75.5	1.54	72.0	1.43
		30.5	90.4	2.02	85.4	1.90	81.0	1.67	79.3	1.64	75.5	1.54	72.0	1.43
	113	8.1	90.4	2.08	85.4	1.87	81.0	1.54	79.3	1.49	75.5	1.39	72.0	1.34
		13.2	90.4	2.02	85.4	1.82	81.0	1.53	79.3	1.46	75.5	1.36	72.0	1.31
		20.3	90.4	1.94	85.4	1.74	81.0	1.51	79.3	1.43	75.5	1.33	72.0	1.28
		25.4	90.4	1.84	85.4	1.74	81.0	1.48	79.3	1.43	75.5	1.33	72.0	1.28
		30.5	90.4	1.79	85.4	1.74	81.0	1.47	79.3	1.43	75.5	1.33	72.0	1.28

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM072DAS5

72,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	23	8.1	30.7	3.02	29.8	2.75	28.9	2.42	28.7	2.30	28.5	2.22	28.0	1.99
		13.2	32.9	3.13	31.9	2.86	30.9	2.53	30.7	2.41	30.5	2.32	30.0	2.08
		20.3	36.0	3.28	34.9	3.01	33.8	2.68	33.6	2.56	33.4	2.47	32.7	2.21
		25.4	39.8	3.49	38.5	3.22	37.4	2.90	37.1	2.76	36.8	2.66	36.2	2.39
		30.5	41.7	3.59	40.3	3.33	39.2	3.00	38.8	2.86	38.6	2.75	37.9	2.48
	32	8.1	55.0	4.12	52.4	3.86	50.0	3.55	49.3	3.38	48.5	3.26	46.7	2.92
		13.2	55.7	4.14	53.0	3.89	50.6	3.57	49.9	3.40	49.1	3.28	47.3	2.94
		20.3	56.6	4.17	53.9	3.92	51.5	3.59	50.7	3.43	49.9	3.30	48.1	2.96
		25.4	57.4	4.17	54.8	3.92	52.4	3.59	51.5	3.43	50.7	3.30	48.8	2.96
		30.5	57.8	4.17	55.2	3.92	52.8	3.59	51.8	3.43	51.1	3.30	49.2	2.96
	41	8.1	77.7	4.42	75.2	4.17	72.8	3.86	71.3	3.68	68.1	3.54	64.9	3.18
		13.2	77.9	4.46	75.1	4.21	72.8	3.90	71.3	3.72	68.1	3.58	64.9	3.21
		20.3	78.1	4.52	74.9	4.27	72.8	3.95	71.3	3.77	68.1	3.64	64.9	3.26
		25.4	78.5	4.55	75.1	4.30	72.8	3.99	71.3	3.80	68.1	3.66	64.9	3.29
		30.5	78.7	4.56	75.2	4.31	72.8	4.00	71.3	3.81	68.1	3.68	64.9	3.30
	50	8.1	78.1	3.90	75.4	3.71	72.8	3.49	71.3	3.35	68.1	3.22	64.9	2.90
		13.2	78.0	3.91	75.2	3.72	72.8	3.50	71.3	3.36	68.1	3.21	64.9	2.90
		20.3	77.9	3.92	75.0	3.73	72.8	3.51	71.3	3.37	68.1	3.20	64.9	2.91
		25.4	78.4	3.91	75.2	3.72	72.8	3.50	71.3	3.36	68.1	3.21	64.9	2.92
		30.5	78.7	3.90	75.3	3.72	72.8	3.50	71.3	3.36	68.1	3.22	64.9	2.93
	59	8.1	78.5	3.38	75.7	3.26	72.8	3.14	71.3	3.03	68.1	2.89	64.9	2.62
		13.2	78.2	3.35	75.4	3.23	72.8	3.11	71.3	3.00	68.1	2.84	64.9	2.59
		20.3	77.8	3.31	75.0	3.19	72.8	3.07	71.3	2.97	68.1	2.76	64.9	2.56
		25.4	78.4	3.27	75.3	3.14	72.8	3.02	71.3	2.92	68.1	2.76	64.9	2.56
		30.5	78.6	3.24	75.4	3.12	72.8	2.99	71.3	2.89	68.1	2.76	64.9	2.56
	68	8.1	79.0	2.85	76.0	2.77	72.8	2.68	71.3	2.57	68.1	2.48	64.9	2.33
		13.2	78.8	2.85	75.7	2.75	72.8	2.65	71.3	2.54	68.1	2.43	64.9	2.28
		20.3	78.6	2.85	75.3	2.73	72.8	2.61	71.3	2.51	68.1	2.36	64.9	2.20
		25.4	78.8	2.81	75.5	2.71	72.8	2.61	71.3	2.51	68.1	2.36	64.9	2.20
		30.5	78.9	2.78	75.6	2.70	72.8	2.61	71.3	2.51	68.1	2.36	64.9	2.20
	77	8.1	80.3	2.49	77.0	2.36	72.8	2.26	71.3	2.15	68.1	2.06	64.9	1.91
		13.2	80.7	2.48	77.0	2.35	72.8	2.23	71.3	2.15	68.1	2.03	64.9	1.88
		20.3	81.2	2.47	77.0	2.33	72.8	2.20	71.3	2.15	68.1	2.00	64.9	1.84
		25.4	81.5	2.40	77.0	2.28	72.8	2.20	71.3	2.10	68.1	2.00	64.9	1.84
		30.5	81.7	2.37	77.0	2.25	72.8	2.20	71.3	2.07	68.1	2.00	64.9	1.84
	86	8.1	81.5	2.26	77.0	2.11	72.8	1.95	71.3	1.91	68.1	1.80	64.9	1.64
		13.2	81.5	2.23	77.0	2.08	72.8	1.93	71.3	1.88	68.1	1.77	64.9	1.64
		20.3	81.5	2.20	77.0	2.05	72.8	1.90	71.3	1.84	68.1	1.74	64.9	1.64
		25.4	81.5	2.15	77.0	2.00	72.8	1.90	71.3	1.84	68.1	1.74	64.9	1.59
		30.5	81.5	2.12	77.0	1.97	72.8	1.90	71.3	1.84	68.1	1.74	64.9	1.56
	95	8.1	81.5	2.06	77.0	1.91	72.8	1.75	71.3	1.70	68.1	1.60	64.9	1.49
		13.2	81.5	2.03	77.0	1.88	72.8	1.72	71.3	1.67	68.1	1.57	64.9	1.46
		20.3	81.5	2.00	77.0	1.84	72.8	1.69	71.3	1.64	68.1	1.54	64.9	1.43
		25.4	81.5	1.94	77.0	1.79	72.8	1.64	71.3	1.59	68.1	1.54	64.9	1.43
		30.5	81.5	1.92	77.0	1.76	72.8	1.61	71.3	1.56	68.1	1.54	64.9	1.43
	104	8.1	81.5	1.92	77.0	1.75	72.8	1.55	71.3	1.49	68.1	1.45	64.9	1.34
		13.2	81.5	1.87	77.0	1.72	72.8	1.52	71.3	1.46	68.1	1.42	64.9	1.31
		20.3	81.5	1.79	77.0	1.69	72.8	1.48	71.3	1.43	68.1	1.38	64.9	1.28
		25.4	81.5	1.79	77.0	1.69	72.8	1.48	71.3	1.43	68.1	1.38	64.9	1.28
		30.5	81.5	1.79	77.0	1.69	72.8	1.48	71.3	1.43	68.1	1.38	64.9	1.28
	113	8.1	81.5	1.78	77.0	1.60	72.8	1.34	71.3	1.29	68.1	1.29	64.9	1.19
		13.2	81.5	1.70	77.0	1.57	72.8	1.31	71.3	1.26	68.1	1.26	64.9	1.16
		20.3	81.5	1.59	77.0	1.54	72.8	1.28	71.3	1.23	68.1	1.23	64.9	1.13
		25.4	81.5	1.64	77.0	1.59	72.8	1.33	71.3	1.28	68.1	1.23	64.9	1.13
		30.5	81.5	1.66	77.0	1.61	72.8	1.35	71.3	1.31	68.1	1.23	64.9	1.13

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

### 72,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	8.1	29.1	2.15	27.2	2.07	25.8	1.98	25.5	1.92	25.3	1.83	24.8	1.68
		13.2	31.1	2.25	29.2	2.17	27.6	2.07	27.3	2.00	27.1	1.91	26.6	1.76
		20.3	34.0	2.39	31.9	2.30	30.1	2.20	29.8	2.12	29.7	2.03	29.1	1.86
		25.4	37.6	2.58	35.2	2.48	33.3	2.37	32.9	2.29	32.8	2.19	32.1	2.01
		30.5	39.4	2.67	36.9	2.57	34.9	2.46	34.5	2.38	34.3	2.27	33.6	2.09
	32	8.1	51.9	3.16	47.9	3.03	44.6	2.91	43.7	2.81	43.1	2.68	41.5	2.47
		13.2	52.6	3.18	48.5	3.05	45.1	2.93	44.3	2.83	43.7	2.70	42.0	2.48
		20.3	53.5	3.21	49.3	3.08	45.9	2.95	45.1	2.85	44.5	2.72	42.7	2.50
		25.4	54.3	3.21	50.0	3.08	46.6	2.95	45.7	2.85	45.1	2.72	43.4	2.50
		30.5	54.6	3.21	50.4	3.08	47.0	2.95	46.1	2.85	45.5	2.72	43.7	2.50
	41	8.1	71.8	3.44	67.8	3.31	64.8	3.16	63.4	3.05	60.7	2.91	57.6	2.68
		13.2	72.1	3.48	68.1	3.34	64.8	3.19	63.4	3.08	60.7	2.94	57.6	2.71
		20.3	72.6	3.53	68.4	3.39	64.9	3.24	63.4	3.13	60.7	2.99	57.6	2.75
		25.4	72.6	3.55	68.3	3.41	64.9	3.27	63.4	3.15	60.7	3.01	57.6	2.77
		30.5	72.6	3.56	68.3	3.43	64.9	3.28	63.4	3.17	60.7	3.02	57.6	2.78
	50	8.1	72.2	3.16	68.0	3.02	64.8	2.87	63.4	2.79	60.7	2.64	57.6	2.44
		13.2	72.4	3.15	68.2	3.01	64.8	2.87	63.4	2.79	60.7	2.64	57.6	2.44
		20.3	72.6	3.14	68.4	3.00	64.9	2.87	63.4	2.79	60.7	2.65	57.6	2.45
		25.4	72.6	3.13	68.3	3.01	64.9	2.88	63.4	2.78	60.7	2.63	57.6	2.43
		30.5	72.6	3.13	68.3	3.02	64.9	2.89	63.4	2.77	60.7	2.62	57.6	2.43
	59	8.1	72.6	2.89	68.3	2.74	64.9	2.57	63.4	2.52	60.7	2.37	57.6	2.22
		13.2	72.6	2.84	68.3	2.69	64.9	2.54	63.4	2.49	60.7	2.34	57.6	2.19
		20.3	72.6	2.76	68.3	2.61	64.9	2.51	63.4	2.46	60.7	2.30	57.6	2.15
		25.4	72.6	2.71	68.3	2.61	64.9	2.51	63.4	2.40	60.7	2.25	57.6	2.10
		30.5	72.6	2.68	68.3	2.61	64.9	2.51	63.4	2.38	60.7	2.22	57.6	2.07
	68	8.1	72.6	2.42	68.3	2.32	64.9	2.20	63.4	2.16	60.7	2.06	57.6	1.91
		13.2	72.6	2.39	68.3	2.29	64.9	2.20	63.4	2.13	60.7	2.03	57.6	1.88
		20.3	72.6	2.36	68.3	2.25	64.9	2.20	63.4	2.10	60.7	2.00	57.6	1.84
		25.4	72.6	2.30	68.3	2.20	64.9	2.15	63.4	2.10	60.7	1.94	57.6	1.84
		30.5	72.6	2.28	68.3	2.18	64.9	2.12	63.4	2.10	60.7	1.92	57.6	1.84
	77	8.1	72.6	2.16	68.3	2.01	64.9	1.90	63.4	1.86	60.7	1.75	57.6	1.65
		13.2	72.6	2.13	68.3	1.98	64.9	1.90	63.4	1.83	60.7	1.72	57.6	1.62
		20.3	72.6	2.10	68.3	1.94	64.9	1.90	63.4	1.79	60.7	1.69	57.6	1.59
		25.4	72.6	2.05	68.3	1.94	64.9	1.84	63.4	1.79	60.7	1.69	57.6	1.59
		30.5	72.6	2.02	68.3	1.94	64.9	1.82	63.4	1.79	60.7	1.69	57.6	1.59
	86	8.1	72.6	1.91	68.3	1.80	64.9	1.70	63.4	1.65	60.7	1.55	57.6	1.45
		13.2	72.6	1.88	68.3	1.77	64.9	1.67	63.4	1.62	60.7	1.52	57.6	1.42
		20.3	72.6	1.84	68.3	1.74	64.9	1.64	63.4	1.59	60.7	1.48	57.6	1.38
		25.4	72.6	1.84	68.3	1.74	64.9	1.64	63.4	1.59	60.7	1.48	57.6	1.38
		30.5	72.6	1.84	68.3	1.74	64.9	1.64	63.4	1.59	60.7	1.48	57.6	1.38
	95	8.1	72.6	1.75	68.3	1.65	64.9	1.49	63.4	1.43	60.7	1.39	57.6	1.28
		13.2	72.6	1.72	68.3	1.62	64.9	1.46	63.4	1.43	60.7	1.36	57.6	1.28
		20.3	72.6	1.69	68.3	1.59	64.9	1.43	63.4	1.43	60.7	1.33	57.6	1.28
		25.4	72.6	1.69	68.3	1.54	64.9	1.43	63.4	1.38	60.7	1.33	57.6	1.23
		30.5	72.6	1.69	68.3	1.51	64.9	1.43	63.4	1.35	60.7	1.33	57.6	1.20
	104	8.1	72.6	1.66	68.3	1.49	64.9	1.33	63.4	1.34	60.7	1.23	57.6	1.19
		13.2	72.6	1.61	68.3	1.46	64.9	1.33	63.4	1.31	60.7	1.23	57.6	1.16
		20.3	72.6	1.54	68.3	1.43	64.9	1.33	63.4	1.28	60.7	1.23	57.6	1.13
		25.4	72.6	1.54	68.3	1.43	64.9	1.28	63.4	1.28	60.7	1.23	57.6	1.13
		30.5	72.6	1.54	68.3	1.43	64.9	1.26	63.4	1.28	60.7	1.23	57.6	1.13
	113	8.1	72.6	1.57	68.3	1.34	64.9	1.16	63.4	1.25	60.7	1.06	57.6	1.10
		13.2	72.6	1.49	68.3	1.31	64.9	1.19	63.4	1.20	60.7	1.09	57.6	1.05
		20.3	72.6	1.38	68.3	1.28	64.9	1.23	63.4	1.13	60.7	1.13	57.6	0.97
		25.4	72.6	1.38	68.3	1.33	64.9	1.13	63.4	1.18	60.7	1.13	57.6	1.02
		30.5	72.6	1.38	68.3	1.35	64.9	1.08	63.4	1.20	60.7	1.13	57.6	1.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM072DAS5

72,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	23	8.1	25.3	1.85	23.8	1.76	22.5	1.70	22.3	1.61	22.1	1.55	21.8	1.41
		13.2	27.1	1.93	25.5	1.84	24.1	1.78	23.9	1.68	23.7	1.62	23.3	1.47
		20.3	29.7	2.05	27.9	1.95	26.3	1.89	26.1	1.78	25.9	1.72	25.5	1.56
		25.4	32.9	2.21	30.8	2.11	29.1	2.04	28.9	1.92	28.6	1.85	28.1	1.68
		30.5	34.4	2.30	32.3	2.18	30.5	2.11	30.3	1.99	30.0	1.92	29.4	1.74
	32	8.1	45.4	2.71	41.9	2.58	39.0	2.50	38.3	2.35	37.7	2.27	36.3	2.06
		13.2	45.9	2.73	42.4	2.59	39.5	2.52	38.8	2.36	38.2	2.28	36.8	2.07
		20.3	46.7	2.75	43.2	2.61	40.1	2.54	39.4	2.38	38.8	2.30	37.4	2.09
		25.4	47.4	2.75	43.9	2.61	40.7	2.54	40.0	2.38	39.4	2.30	38.0	2.09
		30.5	47.7	2.75	44.2	2.61	41.0	2.54	40.3	2.38	39.7	2.30	38.3	2.09
	41	8.1	62.7	2.95	59.4	2.81	56.6	2.72	55.4	2.56	52.9	2.47	50.4	2.24
		13.2	63.0	2.98	59.7	2.84	56.6	2.75	55.4	2.59	52.9	2.50	50.4	2.27
		20.3	63.4	3.02	60.0	2.88	56.7	2.79	55.4	2.62	52.9	2.54	50.4	2.30
		25.4	63.4	3.04	59.9	2.90	56.7	2.81	55.4	2.64	52.9	2.55	50.4	2.32
		30.5	63.4	3.05	59.9	2.91	56.7	2.82	55.4	2.65	52.9	2.56	50.4	2.33
	50	8.1	63.0	2.72	59.6	2.57	56.7	2.47	55.4	2.33	52.9	2.24	50.4	2.05
		13.2	63.2	2.71	59.7	2.56	56.7	2.46	55.4	2.33	52.9	2.24	50.4	2.05
		20.3	63.4	2.69	59.9	2.54	56.7	2.45	55.4	2.33	52.9	2.24	50.4	2.05
		25.4	63.4	2.70	59.9	2.55	56.7	2.46	55.4	2.34	52.9	2.22	50.4	2.05
		30.5	63.4	2.70	59.9	2.56	56.7	2.46	55.4	2.35	52.9	2.22	50.4	2.06
	59	8.1	63.4	2.48	59.9	2.33	56.7	2.23	55.4	2.11	52.9	2.01	50.4	1.86
		13.2	63.4	2.43	59.9	2.28	56.7	2.18	55.4	2.08	52.9	1.98	50.4	1.83
		20.3	63.4	2.36	59.9	2.20	56.7	2.10	55.4	2.05	52.9	1.94	50.4	1.79
		25.4	63.4	2.36	59.9	2.20	56.7	2.10	55.4	2.05	52.9	1.90	50.4	1.79
		30.5	63.4	2.36	59.9	2.20	56.7	2.10	55.4	2.05	52.9	1.87	50.4	1.79
	68	8.1	63.4	2.06	59.9	1.95	56.7	1.91	55.4	1.86	52.9	1.75	50.4	1.65
		13.2	63.4	2.03	59.9	1.93	56.7	1.88	55.4	1.83	52.9	1.72	50.4	1.62
		20.3	63.4	2.00	59.9	1.90	56.7	1.84	55.4	1.79	52.9	1.69	50.4	1.59
		25.4	63.4	2.00	59.9	1.90	56.7	1.84	55.4	1.74	52.9	1.69	50.4	1.54
		30.5	63.4	2.00	59.9	1.90	56.7	1.84	55.4	1.72	52.9	1.69	50.4	1.51
	77	8.1	63.4	1.86	59.9	1.75	56.7	1.65	55.4	1.60	52.9	1.48	50.4	1.38
		13.2	63.4	1.83	59.9	1.72	56.7	1.62	55.4	1.57	52.9	1.48	50.4	1.38
		20.3	63.4	1.79	59.9	1.69	56.7	1.59	55.4	1.54	52.9	1.48	50.4	1.38
		25.4	63.4	1.74	59.9	1.64	56.7	1.59	55.4	1.54	52.9	1.43	50.4	1.38
		30.5	63.4	1.72	59.9	1.61	56.7	1.59	55.4	1.54	52.9	1.41	50.4	1.38
	86	8.1	63.4	1.65	59.9	1.55	56.7	1.45	55.4	1.38	52.9	1.34	50.4	1.23
		13.2	63.4	1.62	59.9	1.52	56.7	1.42	55.4	1.38	52.9	1.31	50.4	1.23
		20.3	63.4	1.59	59.9	1.48	56.7	1.38	55.4	1.38	52.9	1.28	50.4	1.23
		25.4	63.4	1.59	59.9	1.48	56.7	1.38	55.4	1.33	52.9	1.28	50.4	1.23
		30.5	63.4	1.59	59.9	1.48	56.7	1.38	55.4	1.30	52.9	1.28	50.4	1.23
	95	8.1	63.4	1.49	59.9	1.39	56.7	1.28	55.4	1.29	52.9	1.18	50.4	1.14
		13.2	63.4	1.46	59.9	1.36	56.7	1.28	55.4	1.26	52.9	1.18	50.4	1.11
		20.3	63.4	1.43	59.9	1.33	56.7	1.28	55.4	1.23	52.9	1.18	50.4	1.07
		25.4	63.4	1.43	59.9	1.33	56.7	1.23	55.4	1.23	52.9	1.18	50.4	1.07
		30.5	63.4	1.43	59.9	1.33	56.7	1.20	55.4	1.23	52.9	1.18	50.4	1.07
	104	8.1	63.4	1.39	59.9	1.29	56.7	1.19	55.4	1.13	52.9	1.07	50.4	1.03
		13.2	63.4	1.36	59.9	1.26	56.7	1.16	55.4	1.13	52.9	1.07	50.4	1.00
		20.3	63.4	1.33	59.9	1.23	56.7	1.13	55.4	1.13	52.9	1.07	50.4	0.97
		25.4	63.4	1.33	59.9	1.23	56.7	1.13	55.4	1.07	52.9	1.02	50.4	0.97
		30.5	63.4	1.33	59.9	1.23	56.7	1.13	55.4	1.05	52.9	0.99	50.4	0.97
	113	8.1	63.4	1.29	59.9	1.19	56.7	1.10	55.4	0.96	52.9	0.97	50.4	0.93
		13.2	63.4	1.26	59.9	1.16	56.7	1.05	55.4	0.99	52.9	0.97	50.4	0.90
		20.3	63.4	1.23	59.9	1.13	56.7	0.97	55.4	1.02	52.9	0.97	50.4	0.87
		25.4	63.4	1.23	59.9	1.13	56.7	1.02	55.4	0.92	52.9	0.87	50.4	0.87
		30.5	63.4	1.23	59.9	1.13	56.7	1.05	55.4	0.87	52.9	0.81	50.4	0.87

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



### 72,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	23	8.1	21.8	1.50	20.4	1.44	19.3	1.39	19.1	1.29	19.0	1.27	18.6	1.13
		13.2	23.3	1.57	21.9	1.51	20.7	1.45	20.5	1.35	20.4	1.33	20.0	1.18
		20.3	25.5	1.67	23.9	1.60	22.6	1.54	22.4	1.43	22.3	1.41	21.9	1.26
		25.4	28.2	1.79	26.4	1.73	25.0	1.66	24.7	1.55	24.6	1.52	24.1	1.36
		30.5	29.5	1.86	27.6	1.79	26.2	1.72	25.9	1.60	25.8	1.58	25.3	1.40
	32	8.1	39.0	2.20	35.9	2.12	33.5	2.03	32.8	1.89	32.4	1.86	31.2	1.66
		13.2	39.5	2.21	36.3	2.13	33.9	2.04	33.2	1.90	32.8	1.87	31.5	1.67
		20.3	40.1	2.23	36.9	2.15	34.5	2.06	33.8	1.92	33.3	1.89	32.0	1.68
		25.4	40.7	2.23	37.5	2.15	35.0	2.06	34.3	1.92	33.8	1.89	32.6	1.68
	41	30.5	41.0	2.23	37.8	2.15	35.3	2.06	34.5	1.92	34.1	1.89	32.8	1.68
		8.1	53.8	2.40	50.8	2.31	48.7	2.21	47.5	2.06	45.4	2.03	43.3	1.81
		13.2	54.1	2.43	51.0	2.34	48.7	2.24	47.5	2.08	45.4	2.05	43.3	1.83
		20.3	54.4	2.46	51.2	2.37	48.7	2.27	47.5	2.11	45.4	2.08	43.3	1.85
		25.4	54.4	2.48	51.2	2.38	48.7	2.29	47.5	2.13	45.4	2.09	43.3	1.87
	50	30.5	54.4	2.49	51.1	2.39	48.7	2.29	47.5	2.14	45.4	2.10	43.3	1.88
		8.1	54.1	2.20	51.0	2.11	48.7	2.01	47.5	1.87	45.4	1.84	43.3	1.65
		13.2	54.2	2.20	51.1	2.11	48.7	2.01	47.5	1.88	45.4	1.84	43.3	1.66
		20.3	54.4	2.20	51.2	2.11	48.7	2.01	47.5	1.90	45.4	1.83	43.3	1.67
		25.4	54.4	2.21	51.2	2.09	48.7	1.99	47.5	1.88	45.4	1.82	43.3	1.65
	59	30.5	54.4	2.21	51.1	2.07	48.7	1.97	47.5	1.87	45.4	1.81	43.3	1.64
		8.1	54.4	2.01	51.2	1.91	48.7	1.80	47.5	1.69	45.4	1.65	43.3	1.48
		13.2	54.4	1.98	51.2	1.88	48.7	1.77	47.5	1.69	45.4	1.62	43.3	1.48
		20.3	54.4	1.94	51.2	1.84	48.7	1.74	47.5	1.69	45.4	1.59	43.3	1.48
		25.4	54.4	1.94	51.2	1.79	48.7	1.69	47.5	1.64	45.4	1.54	43.3	1.43
	68	30.5	54.4	1.94	51.2	1.76	48.7	1.66	47.5	1.61	45.4	1.51	43.3	1.41
		8.1	54.4	1.75	51.2	1.65	48.7	1.55	47.5	1.49	45.4	1.45	43.3	1.34
		13.2	54.4	1.72	51.2	1.62	48.7	1.52	47.5	1.46	45.4	1.42	43.3	1.31
		20.3	54.4	1.69	51.2	1.59	48.7	1.48	47.5	1.43	45.4	1.38	43.3	1.28
		25.4	54.4	1.69	51.2	1.59	48.7	1.48	47.5	1.43	45.4	1.38	43.3	1.28
	77	30.5	54.4	1.69	51.2	1.59	48.7	1.48	47.5	1.43	45.4	1.38	43.3	1.28
		8.1	54.4	1.55	51.2	1.45	48.7	1.33	47.5	1.34	45.4	1.23	43.3	1.19
		13.2	54.4	1.52	51.2	1.42	48.7	1.33	47.5	1.31	45.4	1.23	43.3	1.16
		20.3	54.4	1.48	51.2	1.38	48.7	1.33	47.5	1.28	45.4	1.23	43.3	1.13
		25.4	54.4	1.48	51.2	1.38	48.7	1.28	47.5	1.28	45.4	1.23	43.3	1.13
	86	30.5	54.4	1.48	51.2	1.38	48.7	1.26	47.5	1.28	45.4	1.23	43.3	1.13
		8.1	54.4	1.39	51.2	1.29	48.7	1.24	47.5	1.19	45.4	1.14	43.3	1.09
		13.2	54.4	1.36	51.2	1.26	48.7	1.21	47.5	1.16	45.4	1.11	43.3	1.06
		20.3	54.4	1.33	51.2	1.23	48.7	1.18	47.5	1.13	45.4	1.07	43.3	1.02
		25.4	54.4	1.33	51.2	1.23	48.7	1.18	47.5	1.13	45.4	1.07	43.3	1.02
	95	30.5	54.4	1.33	51.2	1.23	48.7	1.18	47.5	1.13	45.4	1.07	43.3	1.02
		8.1	54.4	1.23	51.2	1.19	48.7	1.07	47.5	1.09	45.4	1.03	43.3	0.99
		13.2	54.4	1.23	51.2	1.16	48.7	1.07	47.5	1.06	45.4	1.00	43.3	0.96
		20.3	54.4	1.23	51.2	1.13	48.7	1.07	47.5	1.02	45.4	0.97	43.3	0.92
		25.4	54.4	1.23	51.2	1.13	48.7	1.02	47.5	1.02	45.4	0.97	43.3	0.92
	104	30.5	54.4	1.23	51.2	1.13	48.7	0.99	47.5	1.02	45.4	0.97	43.3	0.92
		8.1	54.4	1.13	51.2	1.09	48.7	0.97	47.5	0.99	45.4	0.93	43.3	0.87
		13.2	54.4	1.13	51.2	1.06	48.7	0.97	47.5	0.96	45.4	0.90	43.3	0.87
		20.3	54.4	1.13	51.2	1.02	48.7	0.97	47.5	0.92	45.4	0.87	43.3	0.87
		25.4	54.4	1.13	51.2	1.02	48.7	0.97	47.5	0.92	45.4	0.87	43.3	0.87
	113	30.5	54.4	1.13	51.2	1.02	48.7	0.97	47.5	0.92	45.4	0.87	43.3	0.87
		8.1	54.4	1.02	51.2	0.99	48.7	0.87	47.5	0.88	45.4	0.83	43.3	0.75
		13.2	54.4	1.02	51.2	0.96	48.7	0.87	47.5	0.85	45.4	0.80	43.3	0.78
		20.3	54.4	1.02	51.2	0.92	48.7	0.87	47.5	0.82	45.4	0.77	43.3	0.82
		25.4	54.4	1.02	51.2	0.92	48.7	0.92	47.5	0.82	45.4	0.77	43.3	0.82
		30.5	54.4	1.02	51.2	0.92	48.7	0.95	47.5	0.82	45.4	0.77	43.3	0.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM072DAS5

72,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	8.1	18.2	1.20	17.1	1.13	16.1	1.07	15.9	1.01	15.8	0.95	15.5	0.90
		13.2	19.5	1.25	18.3	1.18	17.2	1.12	17.0	1.06	16.9	1.00	16.6	0.94
		20.3	21.2	1.32	19.9	1.26	18.8	1.19	18.6	1.13	18.5	1.06	18.2	1.00
		25.4	23.4	1.43	22.0	1.36	20.8	1.28	20.6	1.22	20.4	1.14	20.1	1.07
		30.5	24.6	1.48	23.1	1.40	21.8	1.33	21.6	1.26	21.4	1.18	21.1	1.11
	32	8.1	32.4	1.75	30.0	1.66	27.9	1.57	27.3	1.49	26.9	1.40	25.9	1.32
		13.2	32.8	1.76	30.3	1.67	28.2	1.58	27.6	1.50	27.2	1.41	26.2	1.33
		20.3	33.3	1.77	30.8	1.68	28.7	1.59	28.1	1.51	27.7	1.42	26.7	1.34
		25.4	33.8	1.77	31.3	1.68	29.1	1.59	28.6	1.51	28.1	1.42	27.1	1.34
		30.5	34.1	1.77	31.5	1.68	29.3	1.59	28.8	1.51	28.3	1.42	27.4	1.34
	41	8.1	44.7	1.91	42.4	1.81	40.4	1.71	39.5	1.62	37.7	1.52	36.0	1.43
		13.2	44.9	1.93	42.6	1.83	40.4	1.73	39.5	1.64	37.7	1.54	36.0	1.45
		20.3	45.2	1.95	42.8	1.85	40.5	1.75	39.5	1.66	37.7	1.56	36.0	1.47
		25.4	45.2	1.97	42.7	1.87	40.5	1.76	39.5	1.67	37.7	1.57	36.0	1.48
		30.5	45.2	1.98	42.7	1.88	40.5	1.77	39.5	1.68	37.7	1.58	36.0	1.49
	50	8.1	45.0	1.75	42.5	1.65	40.4	1.55	39.5	1.48	37.7	1.37	36.0	1.31
		13.2	45.1	1.75	42.6	1.65	40.4	1.55	39.5	1.48	37.7	1.38	36.0	1.31
		20.3	45.2	1.74	42.8	1.65	40.5	1.54	39.5	1.47	37.7	1.39	36.0	1.30
		25.4	45.2	1.75	42.7	1.65	40.5	1.55	39.5	1.48	37.7	1.37	36.0	1.30
		30.5	45.2	1.76	42.7	1.65	40.5	1.55	39.5	1.48	37.7	1.36	36.0	1.30
	59	8.1	45.2	1.60	42.7	1.49	40.5	1.39	39.5	1.34	37.7	1.23	36.0	1.19
		13.2	45.2	1.57	42.7	1.46	40.5	1.36	39.5	1.31	37.7	1.23	36.0	1.16
		20.3	45.2	1.54	42.7	1.43	40.5	1.33	39.5	1.28	37.7	1.23	36.0	1.13
		25.4	45.2	1.54	42.7	1.43	40.5	1.33	39.5	1.28	37.7	1.18	36.0	1.13
		30.5	45.2	1.54	42.7	1.43	40.5	1.33	39.5	1.28	37.7	1.15	36.0	1.13
	68	8.1	45.2	1.39	42.7	1.29	40.5	1.24	39.5	1.19	37.7	1.14	36.0	1.02
		13.2	45.2	1.36	42.7	1.26	40.5	1.21	39.5	1.16	37.7	1.11	36.0	1.02
		20.3	45.2	1.33	42.7	1.23	40.5	1.18	39.5	1.13	37.7	1.07	36.0	1.02
		25.4	45.2	1.33	42.7	1.23	40.5	1.18	39.5	1.13	37.7	1.07	36.0	1.02
		30.5	45.2	1.33	42.7	1.23	40.5	1.18	39.5	1.13	37.7	1.07	36.0	1.02
	77	8.1	45.2	1.24	42.7	1.13	40.5	1.09	39.5	1.02	37.7	0.97	36.0	0.92
		13.2	45.2	1.21	42.7	1.13	40.5	1.06	39.5	1.02	37.7	0.97	36.0	0.92
		20.3	45.2	1.18	42.7	1.13	40.5	1.02	39.5	1.02	37.7	0.97	36.0	0.92
		25.4	45.2	1.18	42.7	1.13	40.5	1.02	39.5	1.02	37.7	0.97	36.0	0.92
		30.5	45.2	1.18	42.7	1.13	40.5	1.02	39.5	1.02	37.7	0.97	36.0	0.92
	86	8.1	45.2	1.14	42.7	1.03	40.5	0.99	39.5	0.92	37.7	0.93	36.0	0.88
		13.2	45.2	1.11	42.7	1.00	40.5	0.96	39.5	0.92	37.7	0.90	36.0	0.85
		20.3	45.2	1.07	42.7	0.97	40.5	0.92	39.5	0.92	37.7	0.87	36.0	0.82
		25.4	45.2	1.07	42.7	0.97	40.5	0.92	39.5	0.92	37.7	0.87	36.0	0.82
		30.5	45.2	1.07	42.7	0.97	40.5	0.92	39.5	0.92	37.7	0.87	36.0	0.82
	95	8.1	45.2	1.03	42.7	0.92	40.5	0.87	39.5	0.88	37.7	0.82	36.0	0.77
		13.2	45.2	1.00	42.7	0.92	40.5	0.87	39.5	0.85	37.7	0.82	36.0	0.77
		20.3	45.2	0.97	42.7	0.92	40.5	0.87	39.5	0.82	37.7	0.82	36.0	0.77
		25.4	45.2	0.97	42.7	0.92	40.5	0.87	39.5	0.82	37.7	0.82	36.0	0.77
		30.5	45.2	0.97	42.7	0.92	40.5	0.87	39.5	0.82	37.7	0.82	36.0	0.77
	104	8.1	45.2	0.93	42.7	0.88	40.5	0.83	39.5	0.77	37.7	0.78	36.0	0.71
		13.2	45.2	0.90	42.7	0.85	40.5	0.80	39.5	0.77	37.7	0.75	36.0	0.71
		20.3	45.2	0.87	42.7	0.82	40.5	0.77	39.5	0.77	37.7	0.71	36.0	0.71
		25.4	45.2	0.87	42.7	0.82	40.5	0.77	39.5	0.77	37.7	0.71	36.0	0.71
		30.5	45.2	0.87	42.7	0.82	40.5	0.77	39.5	0.77	37.7	0.71	36.0	0.71
	113	8.1	45.2	0.83	42.7	0.85	40.5	0.79	39.5	0.65	37.7	0.74	36.0	0.67
		13.2	45.2	0.80	42.7	0.79	40.5	0.74	39.5	0.68	37.7	0.69	36.0	0.67
		20.3	45.2	0.77	42.7	0.71	40.5	0.67	39.5	0.71	37.7	0.61	36.0	0.67
		25.4	45.2	0.77	42.7	0.71	40.5	0.67	39.5	0.71	37.7	0.61	36.0	0.67
		30.5	45.2	0.77	42.7	0.71	40.5	0.67	39.5	0.71	37.7	0.61	36.0	0.67

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

### 96,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	10.2	51.1	4.27	50.7	4.02	50.4	3.74	49.7	3.63	50.3	3.53	48.9	3.17
		17.8	55.5	4.46	55.0	4.21	54.7	3.94	54.0	3.83	54.6	3.72	53.2	3.34
		25.4	59.8	4.64	59.3	4.40	59.0	4.14	58.2	4.02	58.9	3.91	57.4	3.51
		31.8	66.1	4.93	65.5	4.71	65.1	4.47	64.3	4.35	65.1	4.22	63.4	3.79
		38.1	69.3	5.08	68.6	4.86	68.2	4.63	67.4	4.51	68.2	4.38	66.4	3.92
	32	10.2	91.3	5.83	89.2	5.66	87.3	5.48	85.4	5.32	85.7	5.18	81.8	4.64
		17.8	92.7	5.87	90.5	5.70	88.6	5.52	86.7	5.36	87.0	5.22	83.1	4.68
		25.4	94.0	5.91	91.7	5.73	89.8	5.56	87.9	5.40	88.2	5.25	84.3	4.71
		31.8	95.4	5.91	93.1	5.73	91.2	5.56	89.2	5.40	89.5	5.25	85.5	4.71
		38.1	96.2	5.91	93.8	5.73	91.9	5.56	89.9	5.40	90.2	5.25	86.1	4.71
	41	10.2	131.5	6.27	129.5	6.12	126.8	5.96	123.6	5.79	120.3	5.63	113.6	5.04
		17.8	132.6	6.34	130.1	6.19	126.9	6.04	123.6	5.87	120.3	5.70	113.6	5.11
		25.4	133.7	6.41	130.6	6.26	126.9	6.11	123.6	5.94	120.3	5.77	113.6	5.18
		31.8	134.5	6.45	131.0	6.30	126.9	6.15	123.6	5.98	120.3	5.82	113.6	5.21
		38.1	134.9	6.48	131.2	6.32	126.9	6.17	123.6	6.01	120.3	5.84	113.6	5.23
	50	10.2	131.6	5.71	129.5	5.51	126.4	5.41	123.1	5.29	119.8	5.11	113.2	4.61
		17.8	133.6	5.68	131.0	5.53	127.7	5.44	124.4	5.29	121.0	5.10	114.3	4.60
		25.4	135.5	5.65	132.5	5.54	128.9	5.46	125.6	5.28	122.1	5.09	115.4	4.59
		31.8	136.2	5.73	133.4	5.62	129.7	5.49	126.2	5.30	122.9	5.18	116.1	4.81
		38.1	136.6	5.77	133.9	5.66	130.1	5.50	126.5	5.31	123.3	5.22	116.5	4.92
	59	10.2	131.8	5.14	129.5	4.92	125.9	4.87	122.6	4.79	119.3	4.59	112.7	4.18
		17.8	134.5	5.02	132.0	4.87	128.4	4.85	125.1	4.70	121.6	4.50	115.0	4.09
		25.4	137.2	4.89	134.4	4.82	130.9	4.82	127.6	4.61	123.9	4.41	117.2	4.00
		31.8	137.9	5.01	135.7	4.93	132.5	4.82	128.9	4.61	125.6	4.54	118.6	4.41
		38.1	138.3	5.07	136.4	4.99	133.3	4.82	129.6	4.61	126.4	4.60	119.4	4.62
	68	10.2	136.8	4.72	134.3	4.50	130.8	4.40	127.2	4.26	123.5	4.16	116.2	4.04
		17.8	139.6	4.64	137.0	4.49	133.3	4.39	129.7	4.31	126.2	4.24	118.9	3.96
		25.4	142.3	4.55	139.7	4.48	135.8	4.38	132.2	4.35	128.9	4.31	121.6	3.87
		31.8	142.9	4.55	140.8	4.48	137.4	4.41	133.5	4.35	129.9	4.31	122.6	4.12
		38.1	143.2	4.55	141.3	4.48	138.2	4.42	134.2	4.35	130.4	4.31	123.1	4.24
	77	10.2	144.5	4.50	140.8	4.37	137.4	4.29	134.8	4.22	131.8	4.16	124.3	3.89
		17.8	144.5	4.46	140.8	4.35	137.4	4.25	134.8	4.18	131.8	4.12	124.3	3.85
		25.4	144.5	4.41	140.8	4.33	137.4	4.21	134.8	4.14	131.8	4.07	124.3	3.80
		31.8	144.5	4.35	140.8	4.22	137.4	4.14	134.8	4.07	131.8	4.00	124.3	3.74
		38.1	144.5	4.32	140.8	4.16	137.4	4.11	134.8	4.04	131.8	3.97	124.3	3.70
	86	10.2	144.5	4.38	140.8	4.16	137.4	4.13	134.8	4.02	131.8	3.98	124.3	3.70
		17.8	144.5	4.30	140.8	4.15	137.4	4.07	134.8	3.98	131.8	3.89	124.3	3.62
		25.4	144.5	4.21	140.8	4.13	137.4	4.00	134.8	3.94	131.8	3.80	124.3	3.53
		31.8	144.5	4.14	140.8	4.02	137.4	3.94	134.8	3.87	131.8	3.80	124.3	3.53
		38.1	144.5	4.11	140.8	3.96	137.4	3.91	134.8	3.83	131.8	3.80	124.3	3.53
	95	10.2	144.5	4.18	140.8	4.04	137.4	3.96	134.8	3.82	131.8	3.68	124.3	3.43
		17.8	144.5	4.09	140.8	3.99	137.4	3.92	134.8	3.78	131.8	3.64	124.3	3.35
		25.4	144.5	4.00	140.8	3.93	137.4	3.87	134.8	3.74	131.8	3.60	124.3	3.26
		31.8	144.5	4.00	140.8	3.88	137.4	3.80	134.8	3.67	131.8	3.53	124.3	3.26
		38.1	144.5	4.00	140.8	3.86	137.4	3.76	134.8	3.63	131.8	3.50	124.3	3.26
	104	10.2	144.5	4.04	140.8	3.91	137.4	3.83	134.8	3.70	131.8	3.57	124.3	3.22
		17.8	144.5	3.96	140.8	3.85	137.4	3.75	134.8	3.62	131.8	3.48	124.3	3.14
		25.4	144.5	3.87	140.8	3.79	137.4	3.67	134.8	3.53	131.8	3.39	124.3	3.06
		31.8	144.5	3.80	140.8	3.72	137.4	3.67	134.8	3.53	131.8	3.39	124.3	3.06
		38.1	144.5	3.76	140.8	3.69	137.4	3.67	134.8	3.53	131.8	3.39	124.3	3.06
	113	10.2	144.5	3.90	140.8	3.78	137.4	3.72	134.8	3.58	131.8	3.44	124.3	3.02
		17.8	144.5	3.82	140.8	3.72	137.4	3.59	134.8	3.46	131.8	3.32	124.3	2.94
		25.4	144.5	3.74	140.8	3.65	137.4	3.46	134.8	3.33	131.8	3.19	124.3	2.85
		31.8	144.5	3.60	140.8	3.56	137.4	3.53	134.8	3.39	131.8	3.26	124.3	2.85
		38.1	144.5	3.53	140.8	3.51	137.4	3.57	134.8	3.42	131.8	3.29	124.3	2.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM096DAS5

96,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	10.2	48.6	4.27	48.2	4.02	47.9	3.74	47.3	3.58	47.7	3.48	46.4	3.11
		17.8	52.8	4.46	52.3	4.21	52.0	3.94	51.4	3.78	51.8	3.67	50.4	3.29
		25.4	56.9	4.64	56.4	4.40	56.1	4.14	55.4	3.97	55.9	3.86	54.4	3.46
		31.8	62.8	4.93	62.3	4.71	61.9	4.47	61.2	4.28	61.7	4.16	60.0	3.72
	32	38.1	65.8	5.08	65.3	4.86	64.8	4.63	64.1	4.44	64.6	4.31	62.8	3.86
		10.2	86.8	5.83	84.7	5.66	82.9	5.48	81.2	5.24	81.2	5.10	77.5	4.56
		17.8	88.1	5.87	86.0	5.70	84.2	5.52	82.4	5.28	82.4	5.14	78.7	4.60
		25.4	89.3	5.91	87.2	5.73	85.4	5.56	83.6	5.32	83.6	5.17	79.9	4.63
		31.8	90.7	5.91	88.6	5.73	86.7	5.56	84.9	5.32	84.8	5.17	81.1	4.63
	41	38.1	91.4	5.91	89.3	5.73	87.4	5.56	85.6	5.32	85.4	5.17	81.7	4.63
		10.2	125.1	6.27	123.2	6.12	120.6	5.96	117.6	5.71	113.9	5.55	107.7	4.97
		17.8	126.3	6.34	123.8	6.19	120.6	6.04	117.6	5.79	113.9	5.62	107.7	5.03
		25.4	127.4	6.41	124.4	6.26	120.6	6.11	117.6	5.86	113.9	5.69	107.7	5.09
	50	31.8	128.1	6.45	123.7	6.30	120.6	6.15	117.6	5.90	113.9	5.73	107.7	5.13
		38.1	128.4	6.48	123.3	6.32	120.6	6.17	117.6	5.92	113.9	5.75	107.7	5.14
		10.2	125.6	5.63	123.3	5.48	120.2	5.37	117.3	5.20	113.6	5.03	107.4	4.52
		17.8	127.1	5.68	124.6	5.53	121.1	5.42	118.2	5.22	114.4	5.02	108.1	4.54
	59	25.4	128.5	5.73	125.8	5.58	121.9	5.46	119.0	5.24	115.1	5.01	108.8	4.55
		31.8	129.2	5.71	125.4	5.58	122.4	5.49	119.5	5.26	115.6	5.04	109.3	4.71
		38.1	129.6	5.70	125.2	5.58	122.6	5.50	119.7	5.27	115.9	5.05	109.6	4.78
		10.2	126.0	5.00	123.4	4.85	119.9	4.77	117.0	4.70	113.3	4.51	107.1	4.09
	68	17.8	127.8	5.03	125.3	4.88	121.6	4.80	118.7	4.66	114.8	4.43	108.6	4.05
		25.4	129.6	5.05	127.2	4.90	123.3	4.82	120.3	4.61	116.2	4.35	110.0	4.00
		31.8	130.3	4.97	127.1	4.86	124.3	4.82	121.3	4.61	117.2	4.35	111.0	4.28
		38.1	130.7	4.93	127.0	4.84	124.8	4.82	121.8	4.61	117.7	4.35	111.5	4.42
	77	10.2	129.5	4.49	127.0	4.30	123.2	4.19	119.8	4.13	115.9	4.08	109.7	3.87
		17.8	131.6	4.49	128.9	4.34	124.9	4.24	121.7	4.17	117.8	4.07	111.3	3.84
		25.4	133.6	4.49	130.8	4.38	126.6	4.28	123.6	4.21	119.6	4.06	112.9	3.80
		31.8	134.2	4.45	130.7	4.35	127.6	4.28	124.3	4.21	120.3	4.07	113.6	3.94
	86	38.1	134.5	4.43	130.7	4.33	128.1	4.28	124.6	4.21	120.6	4.08	114.0	4.01
		10.2	135.8	4.25	131.8	4.05	127.6	3.98	124.9	3.89	121.6	3.82	114.9	3.55
		17.8	136.0	4.21	131.8	4.04	127.6	3.96	124.9	3.85	121.6	3.78	114.9	3.51
		25.4	136.1	4.17	131.8	4.02	127.6	3.94	124.9	3.80	121.6	3.74	114.9	3.46
	95	31.8	136.5	4.02	131.8	3.91	127.6	3.87	124.9	3.80	121.6	3.67	114.9	3.46
		38.1	136.7	3.94	131.8	3.86	127.6	3.83	124.9	3.80	121.6	3.63	114.9	3.46
		10.2	136.5	4.07	131.8	3.86	127.6	3.75	124.9	3.61	121.6	3.57	114.9	3.28
		17.8	136.5	3.99	131.8	3.81	127.6	3.71	124.9	3.57	121.6	3.48	114.9	3.24
	104	25.4	136.5	3.90	131.8	3.75	127.6	3.67	124.9	3.53	121.6	3.39	114.9	3.19
		31.8	136.5	3.77	131.8	3.67	127.6	3.60	124.9	3.53	121.6	3.39	114.9	3.13
		38.1	136.5	3.71	131.8	3.62	127.6	3.56	124.9	3.53	121.6	3.39	114.9	3.09
		10.2	136.5	3.88	131.8	3.67	127.6	3.57	124.9	3.43	121.6	3.29	114.9	3.00
	113	17.8	136.5	3.75	131.8	3.59	127.6	3.48	124.9	3.35	121.6	3.21	114.9	2.96
		25.4	136.5	3.61	131.8	3.50	127.6	3.39	124.9	3.26	121.6	3.13	114.9	2.92
		31.8	136.5	3.57	131.8	3.48	127.6	3.39	124.9	3.26	121.6	3.13	114.9	2.85
		38.1	136.5	3.55	131.8	3.46	127.6	3.39	124.9	3.26	121.6	3.13	114.9	2.82
	113	10.2	136.5	3.77	131.8	3.50	127.6	3.36	124.9	3.22	121.6	3.09	114.9	2.80
		17.8	136.5	3.59	131.8	3.40	127.6	3.28	124.9	3.14	121.6	3.01	114.9	2.76
		25.4	136.5	3.41	131.8	3.30	127.6	3.19	124.9	3.06	121.6	2.92	114.9	2.72
		31.8	136.5	3.36	131.8	3.26	127.6	3.19	124.9	3.06	121.6	2.92	114.9	2.65
	113	38.1	136.5	3.34	131.8	3.24	127.6	3.19	124.9	3.06	121.6	2.92	114.9	2.61
		10.2	136.5	3.65	131.8	3.33	127.6	3.16	124.9	3.02	121.6	2.89	114.9	2.59
		17.8	136.5	3.43	131.8	3.22	127.6	3.07	124.9	2.94	121.6	2.81	114.9	2.55
		25.4	136.5	3.20	131.8	3.10	127.6	2.98	124.9	2.85	121.6	2.72	114.9	2.51
	113	31.8	136.5	3.16	131.8	3.04	127.6	2.98	124.9	2.85	121.6	2.72	114.9	2.44
		38.1	136.5	3.14	131.8	3.01	127.6	2.98	124.9	2.85	121.6	2.72	114.9	2.41

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	10.2	45.9	4.32	45.6	4.02	45.3	3.74	44.9	3.58	45.0	3.48	44.0	3.11
		17.8	49.8	4.51	49.5	4.21	49.2	3.94	48.7	3.78	48.8	3.67	47.8	3.29
		25.4	53.7	4.69	53.4	4.40	53.1	4.14	52.5	3.97	52.5	3.86	51.5	3.46
		31.8	59.4	4.99	59.0	4.71	58.7	4.47	58.1	4.28	58.1	4.16	56.9	3.72
		38.1	62.2	5.15	61.8	4.86	61.5	4.63	60.9	4.44	60.9	4.31	59.5	3.86
	32	10.2	82.1	5.91	80.3	5.66	78.6	5.48	77.1	5.24	76.4	5.10	73.5	4.56
		17.8	83.3	5.95	81.5	5.70	79.8	5.52	78.3	5.28	77.6	5.14	74.6	4.60
		25.4	84.5	5.98	82.7	5.73	80.9	5.56	79.4	5.32	78.7	5.17	75.7	4.63
		31.8	85.8	5.98	84.0	5.73	82.2	5.56	80.6	5.32	79.9	5.17	76.8	4.63
		38.1	86.5	5.98	84.6	5.73	82.8	5.56	81.2	5.32	80.5	5.17	77.3	4.63
	41	10.2	119.8	6.36	116.9	6.12	114.2	5.96	111.6	5.71	107.3	5.55	102.1	4.97
		17.8	120.8	6.43	117.5	6.19	114.3	6.04	111.6	5.79	107.3	5.62	102.1	5.03
		25.4	121.8	6.50	118.0	6.26	114.3	6.11	111.6	5.86	107.3	5.69	102.1	5.09
		31.8	122.5	6.54	118.3	6.30	114.3	6.15	111.6	5.90	107.3	5.73	102.1	5.13
		38.1	122.8	6.56	118.5	6.32	114.3	6.17	111.6	5.92	107.3	5.75	102.1	5.14
	50	10.2	120.2	5.70	117.2	5.50	114.1	5.38	111.4	5.20	107.1	5.03	101.9	4.52
		17.8	121.4	5.73	118.0	5.54	114.5	5.42	111.9	5.22	107.6	5.02	102.3	4.54
		25.4	122.5	5.75	118.7	5.58	114.9	5.46	112.3	5.24	108.0	5.01	102.6	4.55
		31.8	123.2	5.75	119.3	5.58	115.3	5.45	112.5	5.23	108.2	5.04	102.9	4.60
		38.1	123.5	5.75	119.5	5.58	115.5	5.44	112.6	5.22	108.3	5.05	103.0	4.63
	59	10.2	120.6	5.04	117.4	4.90	114.0	4.82	111.3	4.70	106.9	4.51	101.8	4.09
		17.8	121.9	5.03	118.5	4.90	114.8	4.82	112.1	4.66	107.8	4.43	102.5	4.05
		25.4	123.1	5.01	119.6	4.90	115.6	4.82	112.9	4.61	108.7	4.35	103.1	4.00
		31.8	123.8	4.97	120.2	4.86	116.2	4.75	113.3	4.55	109.0	4.35	103.7	4.07
		38.1	124.1	4.95	120.5	4.84	116.5	4.72	113.5	4.52	109.2	4.35	104.0	4.11
	68	10.2	122.8	4.35	119.4	4.25	115.6	4.14	112.5	4.07	108.4	3.96	102.7	3.70
		17.8	124.5	4.38	120.5	4.25	116.4	4.14	113.6	4.07	109.2	3.92	103.7	3.69
		25.4	126.1	4.40	121.5	4.25	117.2	4.14	114.6	4.07	110.0	3.87	104.7	3.67
		31.8	126.8	4.40	122.5	4.25	117.9	4.14	114.9	4.00	110.6	3.87	105.0	3.67
		38.1	127.1	4.40	123.0	4.25	118.3	4.14	115.1	3.97	110.9	3.87	105.1	3.67
	77	10.2	126.6	3.96	122.9	3.82	117.9	3.75	115.3	3.61	111.3	3.48	105.4	3.19
		17.8	127.3	3.95	122.9	3.78	117.9	3.71	115.3	3.57	111.3	3.44	105.4	3.19
		25.4	127.9	3.93	122.9	3.74	117.9	3.67	115.3	3.53	111.3	3.39	105.4	3.19
		31.8	128.5	3.93	122.9	3.75	117.9	3.60	115.3	3.53	111.3	3.33	105.4	3.13
		38.1	128.8	3.93	122.9	3.76	117.9	3.56	115.3	3.53	111.3	3.30	105.4	3.09
	86	10.2	128.5	3.61	122.9	3.48	117.9	3.35	115.3	3.28	111.3	3.07	105.4	2.87
		17.8	128.5	3.57	122.9	3.44	117.9	3.31	115.3	3.24	111.3	3.03	105.4	2.83
		25.4	128.5	3.53	122.9	3.39	117.9	3.26	115.3	3.19	111.3	2.98	105.4	2.78
		31.8	128.5	3.50	122.9	3.33	117.9	3.19	115.3	3.13	111.3	2.98	105.4	2.78
		38.1	128.5	3.49	122.9	3.30	117.9	3.15	115.3	3.09	111.3	2.98	105.4	2.78
	95	10.2	128.5	3.43	122.9	3.20	117.9	3.07	115.3	2.94	111.3	2.80	105.4	2.59
		17.8	128.5	3.35	122.9	3.17	117.9	3.03	115.3	2.90	111.3	2.76	105.4	2.55
		25.4	128.5	3.26	122.9	3.13	117.9	2.98	115.3	2.85	111.3	2.72	105.4	2.51
		31.8	128.5	3.17	122.9	3.06	117.9	2.92	115.3	2.85	111.3	2.72	105.4	2.51
		38.1	128.5	3.13	122.9	3.02	117.9	2.89	115.3	2.85	111.3	2.72	105.4	2.51
	104	10.2	128.5	3.22	122.9	3.09	117.9	2.89	115.3	2.74	111.3	2.59	105.4	2.39
		17.8	128.5	3.14	122.9	3.01	117.9	2.81	115.3	2.70	111.3	2.55	105.4	2.35
		25.4	128.5	3.06	122.9	2.92	117.9	2.72	115.3	2.65	111.3	2.51	105.4	2.31
		31.8	128.5	3.01	122.9	2.85	117.9	2.72	115.3	2.58	111.3	2.44	105.4	2.24
		38.1	128.5	2.99	122.9	2.82	117.9	2.72	115.3	2.54	111.3	2.41	105.4	2.21
	113	10.2	128.5	3.02	122.9	2.97	117.9	2.70	115.3	2.53	111.3	2.39	105.4	2.19
		17.8	128.5	2.94	122.9	2.85	117.9	2.57	115.3	2.49	111.3	2.35	105.4	2.15
		25.4	128.5	2.85	122.9	2.72	117.9	2.44	115.3	2.44	111.3	2.31	105.4	2.11
		31.8	128.5	2.85	122.9	2.65	117.9	2.51	115.3	2.31	111.3	2.17	105.4	1.97
		38.1	128.5	2.85	122.9	2.61	117.9	2.55	115.3	2.24	111.3	2.10	105.4	1.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA

ARWM096DAS5

96,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	10.2	43.4	4.32	43.1	4.07	42.9	3.74	42.6	3.58	42.2	3.42	41.4	3.11
		17.8	47.1	4.51	46.8	4.27	46.6	3.94	46.2	3.78	45.8	3.61	45.0	3.29
		25.4	50.8	4.69	50.5	4.46	50.2	4.14	49.7	3.97	49.3	3.80	48.5	3.46
		31.8	56.2	4.99	55.8	4.77	55.5	4.47	55.0	4.28	54.6	4.09	53.5	3.72
		38.1	58.8	5.15	58.4	4.92	58.1	4.63	57.6	4.44	57.2	4.24	56.1	3.86
	32	10.2	77.6	5.91	75.9	5.74	74.3	5.48	73.0	5.24	71.7	5.02	69.2	4.56
		17.8	78.8	5.95	77.1	5.78	75.4	5.52	74.1	5.28	72.8	5.06	70.2	4.60
		25.4	79.9	5.98	78.2	5.81	76.5	5.56	75.1	5.32	73.8	5.09	71.2	4.63
		31.8	81.1	5.98	79.4	5.81	77.7	5.56	76.3	5.32	74.9	5.09	72.3	4.63
		38.1	81.7	5.98	80.0	5.81	78.3	5.56	76.8	5.32	75.5	5.09	72.9	4.63
	41	10.2	114.5	6.36	110.7	6.20	107.9	5.96	105.7	5.71	100.7	5.46	96.0	4.97
		17.8	115.5	6.43	111.2	6.27	108.0	6.04	105.7	5.79	100.7	5.53	96.0	5.03
		25.4	116.5	6.50	111.7	6.34	108.0	6.11	105.7	5.86	100.7	5.60	96.0	5.09
		31.8	117.2	6.54	112.0	6.38	108.0	6.15	105.7	5.90	100.7	5.64	96.0	5.13
		38.1	117.6	6.56	112.2	6.41	108.0	6.17	105.7	5.92	100.7	5.66	96.0	5.14
	50	10.2	115.2	5.68	111.1	5.56	108.0	5.38	105.7	5.20	100.7	4.95	96.0	4.52
		17.8	115.9	5.75	111.5	5.61	108.0	5.42	105.7	5.22	100.7	4.96	96.0	4.54
		25.4	116.5	5.82	111.8	5.65	108.0	5.46	105.7	5.24	100.7	4.97	96.0	4.55
		31.8	117.3	5.79	112.3	5.65	108.0	5.45	105.7	5.23	100.7	4.96	96.0	4.53
		38.1	117.7	5.78	112.6	5.65	108.0	5.44	105.7	5.22	100.7	4.95	96.0	4.52
	59	10.2	115.8	5.01	111.5	4.93	108.0	4.82	105.7	4.70	100.7	4.43	96.0	4.09
		17.8	116.2	5.07	111.7	4.94	108.0	4.82	105.7	4.66	100.7	4.39	96.0	4.05
		25.4	116.5	5.13	111.9	4.94	108.0	4.82	105.7	4.61	100.7	4.35	96.0	4.00
		31.8	117.5	5.05	112.5	4.90	108.0	4.75	105.7	4.55	100.7	4.28	96.0	3.94
		38.1	118.1	5.01	112.8	4.88	108.0	4.72	105.7	4.52	100.7	4.24	96.0	3.91
	68	10.2	116.4	4.29	112.1	4.18	108.0	4.07	105.7	4.02	100.7	3.75	96.0	3.57
		17.8	117.5	4.34	112.3	4.19	108.0	4.07	105.7	3.98	100.7	3.71	96.0	3.48
		25.4	118.5	4.38	112.5	4.19	108.0	4.07	105.7	3.94	100.7	3.67	96.0	3.39
		31.8	119.3	4.31	113.5	4.16	108.0	4.00	105.7	3.87	100.7	3.60	96.0	3.33
		38.1	119.6	4.27	114.0	4.14	108.0	3.97	105.7	3.83	100.7	3.56	96.0	3.30
	77	10.2	117.8	3.75	113.9	3.63	108.0	3.48	105.7	3.35	100.7	3.14	96.0	2.85
		17.8	118.9	3.76	113.9	3.58	108.0	3.44	105.7	3.31	100.7	3.10	96.0	2.85
		25.4	120.0	3.76	113.9	3.53	108.0	3.39	105.7	3.26	100.7	3.06	96.0	2.85
		31.8	120.6	3.68	113.9	3.50	108.0	3.33	105.7	3.19	100.7	3.06	96.0	2.78
		38.1	120.9	3.64	113.9	3.49	108.0	3.30	105.7	3.15	100.7	3.06	96.0	2.75
	86	10.2	120.6	3.41	113.9	3.14	108.0	2.93	105.7	2.87	100.7	2.65	96.0	2.53
		17.8	120.6	3.37	113.9	3.10	108.0	2.91	105.7	2.83	100.7	2.65	96.0	2.49
		25.4	120.6	3.33	113.9	3.06	108.0	2.89	105.7	2.78	100.7	2.65	96.0	2.44
		31.8	120.6	3.26	113.9	3.06	108.0	2.85	105.7	2.78	100.7	2.58	96.0	2.44
		38.1	120.6	3.22	113.9	3.06	108.0	2.83	105.7	2.78	100.7	2.54	96.0	2.44
	95	10.2	120.6	3.16	113.9	2.89	108.0	2.58	105.7	2.53	100.7	2.39	96.0	2.19
		17.8	120.6	3.07	113.9	2.81	108.0	2.57	105.7	2.49	100.7	2.35	96.0	2.15
		25.4	120.6	2.98	113.9	2.72	108.0	2.55	105.7	2.44	100.7	2.31	96.0	2.11
		31.8	120.6	2.98	113.9	2.72	108.0	2.51	105.7	2.44	100.7	2.31	96.0	2.11
		38.1	120.6	2.98	113.9	2.72	108.0	2.50	105.7	2.44	100.7	2.31	96.0	2.11
	104	10.2	120.6	2.96	113.9	2.68	108.0	2.32	105.7	2.26	100.7	2.12	96.0	1.98
		17.8	120.6	2.87	113.9	2.60	108.0	2.30	105.7	2.22	100.7	2.08	96.0	1.94
		25.4	120.6	2.78	113.9	2.51	108.0	2.28	105.7	2.17	100.7	2.04	96.0	1.90
		31.8	120.6	2.72	113.9	2.51	108.0	2.24	105.7	2.17	100.7	2.04	96.0	1.90
		38.1	120.6	2.69	113.9	2.51	108.0	2.22	105.7	2.17	100.7	2.04	96.0	1.90
	113	10.2	120.6	2.75	113.9	2.48	108.0	2.04	105.7	1.98	100.7	1.85	96.0	1.78
		17.8	120.6	2.67	113.9	2.40	108.0	2.03	105.7	1.94	100.7	1.81	96.0	1.74
		25.4	120.6	2.58	113.9	2.31	108.0	2.01	105.7	1.90	100.7	1.76	96.0	1.70
		31.8	120.6	2.44	113.9	2.31	108.0	1.97	105.7	1.90	100.7	1.76	96.0	1.70
		38.1	120.6	2.38	113.9	2.31	108.0	1.95	105.7	1.90	100.7	1.76	96.0	1.70

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	23	10.2	41.0	4.01	39.7	3.65	38.6	3.21	38.3	3.06	38.0	2.95	37.3	2.65
		17.8	44.5	4.18	43.1	3.83	41.9	3.39	41.6	3.23	41.3	3.11	40.5	2.80
		25.4	48.0	4.35	46.5	4.00	45.1	3.56	44.8	3.39	44.5	3.27	43.6	2.94
		31.8	53.0	4.63	51.3	4.28	49.8	3.84	49.4	3.66	49.1	3.53	48.2	3.17
		38.1	55.6	4.77	53.8	4.42	52.2	3.98	51.8	3.79	51.5	3.65	50.6	3.28
	32	10.2	73.3	5.46	69.9	5.13	66.7	4.71	65.7	4.49	64.6	4.32	62.2	3.88
		17.8	74.4	5.50	70.9	5.17	67.7	4.74	66.7	4.52	65.6	4.35	63.2	3.91
		25.4	75.4	5.53	71.9	5.20	68.7	4.77	67.6	4.55	66.5	4.38	64.1	3.93
		31.8	76.6	5.53	73.0	5.20	69.8	4.77	68.6	4.55	67.6	4.38	65.1	3.93
		38.1	77.1	5.53	73.6	5.20	70.4	4.77	69.1	4.55	68.2	4.38	65.6	3.93
	41	10.2	103.6	5.87	100.2	5.54	97.0	5.12	95.0	4.88	90.8	4.70	86.5	4.22
		17.8	103.9	5.94	100.1	5.61	97.0	5.19	95.0	4.95	90.8	4.76	86.5	4.28
		25.4	104.1	6.00	99.9	5.67	97.0	5.25	95.0	5.01	90.8	4.82	86.5	4.33
		31.8	104.7	6.03	100.2	5.70	97.0	5.29	95.0	5.04	90.8	4.86	86.5	4.36
		38.1	105.0	6.05	100.3	5.72	97.0	5.31	95.0	5.06	90.8	4.88	86.5	4.38
	50	10.2	104.1	5.18	100.6	4.93	97.0	4.64	95.0	4.45	90.8	4.27	86.5	3.85
		17.8	104.0	5.19	100.3	4.94	97.0	4.65	95.0	4.46	90.8	4.26	86.5	3.86
		25.4	103.9	5.20	100.0	4.95	97.0	4.66	95.0	4.47	90.8	4.25	86.5	3.86
		31.8	104.6	5.18	100.3	4.94	97.0	4.65	95.0	4.46	90.8	4.26	86.5	3.88
		38.1	104.9	5.18	100.4	4.93	97.0	4.64	95.0	4.45	90.8	4.27	86.5	3.88
	59	10.2	104.7	4.48	100.9	4.32	97.0	4.16	95.0	4.02	90.8	3.83	86.5	3.48
		17.8	104.3	4.44	100.5	4.28	97.0	4.12	95.0	3.98	90.8	3.75	86.5	3.44
		25.4	103.8	4.40	100.1	4.24	97.0	4.07	95.0	3.94	90.8	3.67	86.5	3.39
		31.8	104.5	4.33	100.4	4.17	97.0	4.00	95.0	3.87	90.8	3.67	86.5	3.39
		38.1	104.8	4.30	100.5	4.14	97.0	3.97	95.0	3.83	90.8	3.67	86.5	3.39
	68	10.2	105.3	3.79	101.4	3.68	97.0	3.55	95.0	3.41	90.8	3.29	86.5	3.09
		17.8	105.1	3.79	100.9	3.65	97.0	3.51	95.0	3.37	90.8	3.21	86.5	3.01
		25.4	104.8	3.79	100.4	3.62	97.0	3.46	95.0	3.33	90.8	3.13	86.5	2.92
		31.8	105.1	3.72	100.7	3.60	97.0	3.46	95.0	3.33	90.8	3.13	86.5	2.92
		38.1	105.2	3.69	100.8	3.58	97.0	3.46	95.0	3.33	90.8	3.13	86.5	2.92
	77	10.2	107.0	3.31	102.7	3.13	97.0	3.00	95.0	2.85	90.8	2.74	86.5	2.53
		17.8	107.7	3.29	102.7	3.12	97.0	2.96	95.0	2.85	90.8	2.70	86.5	2.49
		25.4	108.3	3.27	102.7	3.10	97.0	2.92	95.0	2.85	90.8	2.65	86.5	2.44
		31.8	108.7	3.19	102.7	3.03	97.0	2.92	95.0	2.78	90.8	2.65	86.5	2.44
		38.1	108.9	3.15	102.7	2.99	97.0	2.92	95.0	2.75	90.8	2.65	86.5	2.44
	86	10.2	108.7	3.00	102.7	2.80	97.0	2.59	95.0	2.53	90.8	2.39	86.5	2.17
		17.8	108.7	2.96	102.7	2.76	97.0	2.55	95.0	2.49	90.8	2.35	86.5	2.17
		25.4	108.7	2.92	102.7	2.72	97.0	2.51	95.0	2.44	90.8	2.31	86.5	2.17
		31.8	108.7	2.85	102.7	2.65	97.0	2.51	95.0	2.44	90.8	2.31	86.5	2.11
		38.1	108.7	2.82	102.7	2.61	97.0	2.51	95.0	2.44	90.8	2.31	86.5	2.08
	95	10.2	108.7	2.74	102.7	2.53	97.0	2.33	95.0	2.26	90.8	2.12	86.5	1.98
		17.8	108.7	2.70	102.7	2.49	97.0	2.29	95.0	2.22	90.8	2.08	86.5	1.94
		25.4	108.7	2.65	102.7	2.44	97.0	2.24	95.0	2.17	90.8	2.04	86.5	1.90
		31.8	108.7	2.58	102.7	2.37	97.0	2.17	95.0	2.11	90.8	2.04	86.5	1.90
		38.1	108.7	2.54	102.7	2.34	97.0	2.13	95.0	2.08	90.8	2.04	86.5	1.90
	104	10.2	108.7	2.55	102.7	2.33	97.0	2.05	95.0	1.98	90.8	1.92	86.5	1.78
		17.8	108.7	2.46	102.7	2.29	97.0	2.01	95.0	1.94	90.8	1.88	86.5	1.74
		25.4	108.7	2.37	102.7	2.24	97.0	1.97	95.0	1.90	90.8	1.83	86.5	1.70
		31.8	108.7	2.37	102.7	2.24	97.0	1.97	95.0	1.90	90.8	1.83	86.5	1.70
		38.1	108.7	2.37	102.7	2.24	97.0	1.97	95.0	1.90	90.8	1.83	86.5	1.70
	113	10.2	108.7	2.36	102.7	2.12	97.0	1.78	95.0	1.72	90.8	1.72	86.5	1.58
		17.8	108.7	2.24	102.7	2.08	97.0	1.74	95.0	1.68	90.8	1.68	86.5	1.54
		25.4	108.7	2.11	102.7	2.04	97.0	1.70	95.0	1.63	90.8	1.63	86.5	1.50
		31.8	108.7	2.17	102.7	2.11	97.0	1.76	95.0	1.70	90.8	1.63	86.5	1.50
		38.1	108.7	2.20	102.7	2.14	97.0	1.79	95.0	1.74	90.8	1.63	86.5	1.50

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM096DAS5

96,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	23	10.2	38.8	2.86	36.3	2.75	34.4	2.63	34.0	2.54	33.8	2.43	33.1	2.23
		17.8	42.1	3.02	39.4	2.90	37.3	2.77	36.9	2.68	36.7	2.56	36.0	2.35
		25.4	45.3	3.17	42.5	3.05	40.2	2.91	39.8	2.82	39.6	2.69	38.8	2.47
		31.8	50.1	3.42	46.9	3.29	44.4	3.15	43.9	3.04	43.7	2.90	42.8	2.67
		38.1	52.6	3.54	49.1	3.41	46.5	3.26	46.0	3.15	45.8	3.01	44.8	2.77
	32	10.2	69.2	4.19	63.8	4.03	59.4	3.86	58.3	3.73	57.5	3.55	55.3	3.27
		17.8	70.3	4.23	64.8	4.06	60.3	3.89	59.2	3.76	58.4	3.58	56.2	3.29
		25.4	71.3	4.26	65.7	4.09	61.2	3.91	60.1	3.78	59.3	3.60	57.0	3.31
		31.8	72.3	4.26	66.7	4.09	62.2	3.91	61.0	3.78	60.2	3.60	57.9	3.31
		38.1	72.8	4.26	67.2	4.09	62.7	3.91	61.4	3.78	60.6	3.60	58.3	3.31
	41	10.2	95.7	4.56	90.3	4.39	86.4	4.19	84.5	4.05	80.9	3.86	76.9	3.56
		17.8	96.2	4.62	90.8	4.44	86.5	4.25	84.5	4.11	80.9	3.91	76.9	3.61
		25.4	96.7	4.68	91.2	4.49	86.5	4.31	84.5	4.16	80.9	3.96	76.9	3.65
		31.8	96.7	4.71	91.1	4.53	86.5	4.33	84.5	4.19	80.9	3.99	76.9	3.67
		38.1	96.7	4.73	91.1	4.55	86.5	4.35	84.5	4.20	80.9	4.00	76.9	3.68
	50	10.2	96.2	4.20	90.7	4.01	86.4	3.80	84.5	3.70	80.9	3.50	76.9	3.24
		17.8	96.5	4.19	91.0	4.00	86.5	3.81	84.5	3.71	80.9	3.51	76.9	3.25
		25.4	96.7	4.17	91.2	3.98	86.5	3.81	84.5	3.71	80.9	3.51	76.9	3.25
		31.8	96.7	4.16	91.1	4.00	86.5	3.83	84.5	3.69	80.9	3.49	76.9	3.23
		38.1	96.7	4.15	91.1	4.00	86.5	3.83	84.5	3.68	80.9	3.48	76.9	3.22
	59	10.2	96.7	3.83	91.1	3.63	86.5	3.41	84.5	3.35	80.9	3.14	76.9	2.94
		17.8	96.7	3.75	91.1	3.55	86.5	3.37	84.5	3.31	80.9	3.10	76.9	2.90
		25.4	96.7	3.67	91.1	3.46	86.5	3.33	84.5	3.26	80.9	3.06	76.9	2.85
		31.8	96.7	3.60	91.1	3.46	86.5	3.33	84.5	3.19	80.9	2.98	76.9	2.78
		38.1	96.7	3.56	91.1	3.46	86.5	3.33	84.5	3.15	80.9	2.95	76.9	2.75
	68	10.2	96.7	3.20	91.1	3.07	86.5	2.92	84.5	2.87	80.9	2.74	76.9	2.53
		17.8	96.7	3.17	91.1	3.03	86.5	2.92	84.5	2.83	80.9	2.70	76.9	2.49
		25.4	96.7	3.13	91.1	2.98	86.5	2.92	84.5	2.78	80.9	2.65	76.9	2.44
		31.8	96.7	3.06	91.1	2.92	86.5	2.85	84.5	2.78	80.9	2.58	76.9	2.44
		38.1	96.7	3.02	91.1	2.89	86.5	2.82	84.5	2.78	80.9	2.54	76.9	2.44
	77	10.2	96.7	2.87	91.1	2.67	86.5	2.51	84.5	2.46	80.9	2.33	76.9	2.19
		17.8	96.7	2.83	91.1	2.63	86.5	2.51	84.5	2.42	80.9	2.29	76.9	2.15
		25.4	96.7	2.78	91.1	2.58	86.5	2.51	84.5	2.37	80.9	2.24	76.9	2.11
		31.8	96.7	2.72	91.1	2.58	86.5	2.44	84.5	2.37	80.9	2.24	76.9	2.11
		38.1	96.7	2.69	91.1	2.58	86.5	2.41	84.5	2.37	80.9	2.24	76.9	2.11
	86	10.2	96.7	2.53	91.1	2.39	86.5	2.26	84.5	2.19	80.9	2.05	76.9	1.92
		17.8	96.7	2.49	91.1	2.35	86.5	2.22	84.5	2.15	80.9	2.01	76.9	1.88
		25.4	96.7	2.44	91.1	2.31	86.5	2.17	84.5	2.11	80.9	1.97	76.9	1.83
		31.8	96.7	2.44	91.1	2.31	86.5	2.17	84.5	2.11	80.9	1.97	76.9	1.83
		38.1	96.7	2.44	91.1	2.31	86.5	2.17	84.5	2.11	80.9	1.97	76.9	1.83
	95	10.2	96.7	2.33	91.1	2.19	86.5	1.98	84.5	1.90	80.9	1.85	76.9	1.70
		17.8	96.7	2.29	91.1	2.15	86.5	1.94	84.5	1.90	80.9	1.81	76.9	1.70
		25.4	96.7	2.24	91.1	2.11	86.5	1.90	84.5	1.90	80.9	1.76	76.9	1.70
		31.8	96.7	2.24	91.1	2.04	86.5	1.90	84.5	1.83	80.9	1.76	76.9	1.63
		38.1	96.7	2.24	91.1	2.00	86.5	1.90	84.5	1.80	80.9	1.76	76.9	1.59
	104	10.2	96.7	2.20	91.1	1.98	86.5	1.76	84.5	1.78	80.9	1.63	76.9	1.58
		17.8	96.7	2.12	91.1	1.94	86.5	1.76	84.5	1.74	80.9	1.63	76.9	1.54
		25.4	96.7	2.04	91.1	1.90	86.5	1.76	84.5	1.70	80.9	1.63	76.9	1.50
		31.8	96.7	2.04	91.1	1.90	86.5	1.70	84.5	1.70	80.9	1.63	76.9	1.50
		38.1	96.7	2.04	91.1	1.90	86.5	1.67	84.5	1.70	80.9	1.63	76.9	1.50
	113	10.2	96.7	2.09	91.1	1.78	86.5	1.54	84.5	1.66	80.9	1.41	76.9	1.46
		17.8	96.7	1.96	91.1	1.74	86.5	1.59	84.5	1.58	80.9	1.46	76.9	1.38
		25.4	96.7	1.83	91.1	1.70	86.5	1.63	84.5	1.50	80.9	1.50	76.9	1.29
		31.8	96.7	1.83	91.1	1.76	86.5	1.50	84.5	1.56	80.9	1.50	76.9	1.36
		38.1	96.7	1.83	91.1	1.79	86.5	1.43	84.5	1.59	80.9	1.50	76.9	1.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	10.2	33.8	2.45	31.8	2.34	30.0	2.26	29.7	2.13	29.5	2.06	29.0	1.87
		17.8	36.7	2.59	34.5	2.47	32.6	2.39	32.3	2.25	32.1	2.17	31.5	1.97
		25.4	39.6	2.72	37.2	2.59	35.1	2.51	34.8	2.36	34.6	2.28	34.0	2.07
		31.8	43.8	2.94	41.1	2.80	38.8	2.70	38.5	2.54	38.2	2.46	37.5	2.23
		38.1	45.9	3.05	43.1	2.90	40.7	2.80	40.4	2.63	40.0	2.55	39.2	2.31
	32	10.2	60.5	3.59	55.9	3.43	51.9	3.31	51.0	3.12	50.2	3.01	48.4	2.74
		17.8	61.4	3.62	56.8	3.45	52.7	3.34	51.8	3.14	51.0	3.04	49.1	2.76
		25.4	62.3	3.65	57.6	3.47	53.4	3.36	52.5	3.16	51.7	3.06	49.8	2.77
		31.8	63.2	3.65	58.5	3.47	54.3	3.36	53.3	3.16	52.5	3.06	50.6	2.77
		38.1	63.6	3.65	58.9	3.47	54.7	3.36	53.8	3.16	52.9	3.06	51.0	2.77
	41	10.2	83.6	3.91	79.2	3.72	75.4	3.60	73.8	3.40	70.5	3.28	67.2	2.98
		17.8	84.1	3.96	79.6	3.77	75.5	3.65	73.8	3.44	70.5	3.32	67.2	3.02
		25.4	84.5	4.01	80.0	3.82	75.5	3.70	73.8	3.48	70.5	3.36	67.2	3.06
		31.8	84.5	4.04	79.9	3.85	75.5	3.73	73.8	3.50	70.5	3.39	67.2	3.08
		38.1	84.5	4.05	79.8	3.86	75.5	3.74	73.8	3.52	70.5	3.40	67.2	3.09
	50	10.2	84.0	3.60	79.5	3.41	75.5	3.28	73.8	3.10	70.5	2.97	67.2	2.72
		17.8	84.3	3.59	79.7	3.39	75.5	3.26	73.8	3.10	70.5	2.97	67.2	2.72
		25.4	84.5	3.57	79.9	3.37	75.5	3.24	73.8	3.10	70.5	2.97	67.2	2.72
		31.8	84.5	3.58	79.9	3.39	75.5	3.26	73.8	3.11	70.5	2.95	67.2	2.73
		38.1	84.5	3.59	79.9	3.39	75.5	3.27	73.8	3.12	70.5	2.94	67.2	2.73
	59	10.2	84.5	3.29	79.9	3.09	75.5	2.96	73.8	2.80	70.5	2.67	67.2	2.46
		17.8	84.5	3.21	79.9	3.01	75.5	2.87	73.8	2.76	70.5	2.63	67.2	2.42
		25.4	84.5	3.13	79.9	2.92	75.5	2.78	73.8	2.72	70.5	2.58	67.2	2.37
		31.8	84.5	3.13	79.9	2.92	75.5	2.78	73.8	2.72	70.5	2.51	67.2	2.37
		38.1	84.5	3.13	79.9	2.92	75.5	2.78	73.8	2.72	70.5	2.48	67.2	2.37
	68	10.2	84.5	2.74	79.9	2.59	75.5	2.53	73.8	2.46	70.5	2.33	67.2	2.19
		17.8	84.5	2.70	79.9	2.55	75.5	2.49	73.8	2.42	70.5	2.29	67.2	2.15
		25.4	84.5	2.65	79.9	2.51	75.5	2.44	73.8	2.37	70.5	2.24	67.2	2.11
		31.8	84.5	2.65	79.9	2.51	75.5	2.44	73.8	2.31	70.5	2.24	67.2	2.04
		38.1	84.5	2.65	79.9	2.51	75.5	2.44	73.8	2.28	70.5	2.24	67.2	2.00
	77	10.2	84.5	2.46	79.9	2.33	75.5	2.19	73.8	2.12	70.5	1.97	67.2	1.83
		17.8	84.5	2.42	79.9	2.29	75.5	2.15	73.8	2.08	70.5	1.97	67.2	1.83
		25.4	84.5	2.37	79.9	2.24	75.5	2.11	73.8	2.04	70.5	1.97	67.2	1.83
		31.8	84.5	2.31	79.9	2.17	75.5	2.11	73.8	2.04	70.5	1.90	67.2	1.83
		38.1	84.5	2.28	79.9	2.13	75.5	2.11	73.8	2.04	70.5	1.87	67.2	1.83
	86	10.2	84.5	2.19	79.9	2.05	75.5	1.92	73.8	1.83	70.5	1.78	67.2	1.63
		17.8	84.5	2.15	79.9	2.01	75.5	1.88	73.8	1.83	70.5	1.74	67.2	1.63
		25.4	84.5	2.11	79.9	1.97	75.5	1.83	73.8	1.83	70.5	1.70	67.2	1.63
		31.8	84.5	2.11	79.9	1.97	75.5	1.83	73.8	1.76	70.5	1.70	67.2	1.63
		38.1	84.5	2.11	79.9	1.97	75.5	1.83	73.8	1.73	70.5	1.70	67.2	1.63
	95	10.2	84.5	1.98	79.9	1.85	75.5	1.70	73.8	1.72	70.5	1.56	67.2	1.51
		17.8	84.5	1.94	79.9	1.81	75.5	1.70	73.8	1.68	70.5	1.56	67.2	1.47
		25.4	84.5	1.90	79.9	1.76	75.5	1.70	73.8	1.63	70.5	1.56	67.2	1.43
		31.8	84.5	1.90	79.9	1.76	75.5	1.63	73.8	1.63	70.5	1.56	67.2	1.43
		38.1	84.5	1.90	79.9	1.76	75.5	1.59	73.8	1.63	70.5	1.56	67.2	1.43
	104	10.2	84.5	1.85	79.9	1.72	75.5	1.58	73.8	1.50	70.5	1.43	67.2	1.37
		17.8	84.5	1.81	79.9	1.68	75.5	1.54	73.8	1.50	70.5	1.43	67.2	1.33
		25.4	84.5	1.76	79.9	1.63	75.5	1.50	73.8	1.50	70.5	1.43	67.2	1.29
		31.8	84.5	1.76	79.9	1.63	75.5	1.50	73.8	1.43	70.5	1.36	67.2	1.29
		38.1	84.5	1.76	79.9	1.63	75.5	1.50	73.8	1.39	70.5	1.32	67.2	1.29
	113	10.2	84.5	1.72	79.9	1.58	75.5	1.46	73.8	1.28	70.5	1.29	67.2	1.24
		17.8	84.5	1.68	79.9	1.54	75.5	1.38	73.8	1.32	70.5	1.29	67.2	1.20
		25.4	84.5	1.63	79.9	1.50	75.5	1.29	73.8	1.36	70.5	1.29	67.2	1.15
		31.8	84.5	1.63	79.9	1.50	75.5	1.36	73.8	1.22	70.5	1.15	67.2	1.15
		38.1	84.5	1.63	79.9	1.50	75.5	1.39	73.8	1.15	70.5	1.08	67.2	1.15

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM096DAS5

96,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	10.2	29.0	1.99	27.2	1.92	25.7	1.84	25.4	1.71	25.3	1.68	24.9	1.50
		17.8	31.6	2.10	29.5	2.03	27.9	1.94	27.6	1.81	27.5	1.78	27.0	1.59
		25.4	34.1	2.21	31.8	2.13	30.1	2.04	29.8	1.90	29.7	1.87	29.1	1.67
		31.8	37.6	2.38	35.2	2.30	33.4	2.21	33.0	2.05	32.9	2.02	32.1	1.80
		38.1	39.3	2.47	36.8	2.38	35.0	2.29	34.5	2.13	34.4	2.09	33.7	1.86
	32	10.2	51.9	2.92	47.8	2.82	44.6	2.70	43.7	2.51	43.1	2.47	41.6	2.21
		17.8	52.7	2.94	48.5	2.84	45.3	2.72	44.4	2.53	43.8	2.49	42.2	2.22
		25.4	53.4	2.96	49.2	2.85	46.0	2.74	45.0	2.54	44.4	2.51	42.7	2.23
		31.8	54.3	2.96	50.0	2.85	46.7	2.74	45.7	2.54	45.1	2.51	43.4	2.23
	41	38.1	54.7	2.96	50.4	2.85	47.1	2.74	46.1	2.54	45.5	2.51	43.8	2.23
		10.2	71.8	3.18	67.7	3.06	64.9	2.93	63.3	2.73	60.6	2.69	57.7	2.40
		17.8	72.2	3.22	68.0	3.10	64.9	2.97	63.3	2.77	60.6	2.73	57.7	2.43
		25.4	72.5	3.26	68.3	3.14	64.9	3.01	63.3	2.80	60.6	2.76	57.7	2.46
		31.8	72.5	3.29	68.2	3.16	64.9	3.03	63.3	2.82	60.6	2.77	57.7	2.48
	50	38.1	72.5	3.30	68.2	3.17	64.9	3.04	63.3	2.83	60.6	2.78	57.7	2.49
		10.2	72.2	2.92	67.9	2.80	64.9	2.66	63.3	2.49	60.6	2.44	57.7	2.19
		17.8	72.4	2.92	68.1	2.80	64.9	2.66	63.3	2.51	60.6	2.44	57.7	2.20
		25.4	72.5	2.92	68.3	2.80	64.9	2.66	63.3	2.52	60.6	2.43	57.7	2.21
		31.8	72.5	2.93	68.2	2.77	64.9	2.63	63.3	2.49	60.6	2.41	57.7	2.19
	59	38.1	72.5	2.93	68.2	2.75	64.9	2.62	63.3	2.48	60.6	2.40	57.7	2.18
		10.2	72.5	2.67	68.2	2.53	64.9	2.39	63.3	2.24	60.6	2.19	57.7	1.97
		17.8	72.5	2.63	68.2	2.49	64.9	2.35	63.3	2.24	60.6	2.15	57.7	1.97
		25.4	72.5	2.58	68.2	2.44	64.9	2.31	63.3	2.24	60.6	2.11	57.7	1.97
		31.8	72.5	2.58	68.2	2.37	64.9	2.24	63.3	2.17	60.6	2.04	57.7	1.90
	68	38.1	72.5	2.58	68.2	2.34	64.9	2.21	63.3	2.13	60.6	2.00	57.7	1.87
		10.2	72.5	2.33	68.2	2.19	64.9	2.05	63.3	1.98	60.6	1.92	57.7	1.78
		17.8	72.5	2.29	68.2	2.15	64.9	2.01	63.3	1.94	60.6	1.88	57.7	1.74
		25.4	72.5	2.24	68.2	2.11	64.9	1.97	63.3	1.90	60.6	1.83	57.7	1.70
		31.8	72.5	2.24	68.2	2.11	64.9	1.97	63.3	1.90	60.6	1.83	57.7	1.70
	77	38.1	72.5	2.24	68.2	2.11	64.9	1.97	63.3	1.90	60.6	1.83	57.7	1.70
		10.2	72.5	2.05	68.2	1.92	64.9	1.76	63.3	1.78	60.6	1.63	57.7	1.58
		17.8	72.5	2.01	68.2	1.88	64.9	1.76	63.3	1.74	60.6	1.63	57.7	1.54
		25.4	72.5	1.97	68.2	1.83	64.9	1.76	63.3	1.70	60.6	1.63	57.7	1.50
		31.8	72.5	1.97	68.2	1.83	64.9	1.70	63.3	1.70	60.6	1.63	57.7	1.50
	86	38.1	72.5	1.97	68.2	1.83	64.9	1.67	63.3	1.70	60.6	1.63	57.7	1.50
		10.2	72.5	1.85	68.2	1.72	64.9	1.65	63.3	1.58	60.6	1.51	57.7	1.44
		17.8	72.5	1.81	68.2	1.68	64.9	1.61	63.3	1.54	60.6	1.47	57.7	1.40
		25.4	72.5	1.76	68.2	1.63	64.9	1.56	63.3	1.50	60.6	1.43	57.7	1.36
		31.8	72.5	1.76	68.2	1.63	64.9	1.56	63.3	1.50	60.6	1.43	57.7	1.36
	95	38.1	72.5	1.76	68.2	1.63	64.9	1.56	63.3	1.50	60.6	1.43	57.7	1.36
		10.2	72.5	1.63	68.2	1.58	64.9	1.43	63.3	1.44	60.6	1.37	57.7	1.31
		17.8	72.5	1.63	68.2	1.54	64.9	1.43	63.3	1.40	60.6	1.33	57.7	1.27
		25.4	72.5	1.63	68.2	1.50	64.9	1.43	63.3	1.36	60.6	1.29	57.7	1.22
		31.8	72.5	1.63	68.2	1.50	64.9	1.36	63.3	1.36	60.6	1.29	57.7	1.22
	104	38.1	72.5	1.63	68.2	1.50	64.9	1.32	63.3	1.36	60.6	1.29	57.7	1.22
		10.2	72.5	1.50	68.2	1.44	64.9	1.29	63.3	1.31	60.6	1.24	57.7	1.15
		17.8	72.5	1.50	68.2	1.40	64.9	1.29	63.3	1.27	60.6	1.20	57.7	1.15
		25.4	72.5	1.50	68.2	1.36	64.9	1.29	63.3	1.22	60.6	1.15	57.7	1.15
		31.8	72.5	1.50	68.2	1.36	64.9	1.29	63.3	1.22	60.6	1.15	57.7	1.15
	113	38.1	72.5	1.50	68.2	1.36	64.9	1.29	63.3	1.22	60.6	1.15	57.7	1.15
		10.2	72.5	1.36	68.2	1.31	64.9	1.15	63.3	1.17	60.6	1.11	57.7	1.00
		17.8	72.5	1.36	68.2	1.27	64.9	1.15	63.3	1.13	60.6	1.07	57.7	1.05
		25.4	72.5	1.36	68.2	1.22	64.9	1.15	63.3	1.09	60.6	1.02	57.7	1.09
		31.8	72.5	1.36	68.2	1.22	64.9	1.22	63.3	1.09	60.6	1.02	57.7	1.09
		38.1	72.5	1.36	68.2	1.22	64.9	1.26	63.3	1.09	60.6	1.02	57.7	1.09

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



### 96,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	10.2	24.2	1.59	22.7	1.50	21.5	1.42	21.2	1.35	21.1	1.26	20.7	1.20
		17.8	26.2	1.68	24.6	1.59	23.3	1.50	23.0	1.43	22.9	1.33	22.5	1.26
		25.4	28.2	1.76	26.5	1.67	25.1	1.57	24.8	1.50	24.7	1.40	24.2	1.32
		31.8	31.2	1.90	29.3	1.80	27.7	1.70	27.4	1.62	27.2	1.51	26.8	1.43
		38.1	32.8	1.97	30.8	1.86	29.0	1.76	28.7	1.68	28.5	1.56	28.1	1.48
	32	10.2	43.1	2.33	40.0	2.21	37.1	2.08	36.3	1.97	35.8	1.86	34.6	1.75
		17.8	43.8	2.34	40.6	2.22	37.7	2.10	36.9	1.99	36.4	1.87	35.1	1.77
		25.4	44.4	2.35	41.1	2.23	38.3	2.11	37.5	2.01	37.0	1.88	35.6	1.78
		31.8	45.1	2.35	41.7	2.23	38.8	2.11	38.1	2.01	37.5	1.88	36.2	1.78
		38.1	45.5	2.35	42.0	2.23	39.0	2.11	38.4	2.01	37.7	1.88	36.5	1.78
	41	10.2	59.6	2.53	56.6	2.40	53.9	2.26	52.6	2.15	50.3	2.02	48.0	1.90
		17.8	60.0	2.56	56.9	2.43	54.0	2.29	52.6	2.18	50.3	2.04	48.0	1.93
		25.4	60.3	2.59	57.1	2.46	54.1	2.32	52.6	2.21	50.3	2.06	48.0	1.95
		31.8	60.3	2.61	57.0	2.48	54.1	2.34	52.6	2.22	50.3	2.09	48.0	1.97
		38.1	60.3	2.62	56.9	2.49	54.1	2.35	52.6	2.23	50.3	2.10	48.0	1.97
	50	10.2	60.0	2.33	56.7	2.19	53.9	2.06	52.6	1.97	50.3	1.82	48.0	1.74
		17.8	60.2	2.32	56.9	2.19	54.0	2.05	52.6	1.96	50.3	1.84	48.0	1.73
		25.4	60.3	2.31	57.1	2.18	54.1	2.04	52.6	1.95	50.3	1.85	48.0	1.72
		31.8	60.3	2.32	57.0	2.19	54.1	2.05	52.6	1.96	50.3	1.82	48.0	1.73
		38.1	60.3	2.33	56.9	2.19	54.1	2.05	52.6	1.96	50.3	1.80	48.0	1.73
	59	10.2	60.3	2.12	57.0	1.98	54.1	1.85	52.6	1.78	50.3	1.63	48.0	1.58
		17.8	60.3	2.08	57.0	1.94	54.1	1.81	52.6	1.74	50.3	1.63	48.0	1.54
		25.4	60.3	2.04	57.0	1.90	54.1	1.76	52.6	1.70	50.3	1.63	48.0	1.50
		31.8	60.3	2.04	57.0	1.90	54.1	1.76	52.6	1.70	50.3	1.56	48.0	1.50
		38.1	60.3	2.04	57.0	1.90	54.1	1.76	52.6	1.70	50.3	1.52	48.0	1.50
	68	10.2	60.3	1.85	57.0	1.72	54.1	1.65	52.6	1.58	50.3	1.51	48.0	1.36
		17.8	60.3	1.81	57.0	1.68	54.1	1.61	52.6	1.54	50.3	1.47	48.0	1.36
		25.4	60.3	1.76	57.0	1.63	54.1	1.56	52.6	1.50	50.3	1.43	48.0	1.36
		31.8	60.3	1.76	57.0	1.63	54.1	1.56	52.6	1.50	50.3	1.43	48.0	1.36
		38.1	60.3	1.76	57.0	1.63	54.1	1.56	52.6	1.50	50.3	1.43	48.0	1.36
	77	10.2	60.3	1.65	57.0	1.50	54.1	1.44	52.6	1.36	50.3	1.29	48.0	1.22
		17.8	60.3	1.61	57.0	1.50	54.1	1.40	52.6	1.36	50.3	1.29	48.0	1.22
		25.4	60.3	1.56	57.0	1.50	54.1	1.36	52.6	1.36	50.3	1.29	48.0	1.22
		31.8	60.3	1.56	57.0	1.50	54.1	1.36	52.6	1.36	50.3	1.29	48.0	1.22
		38.1	60.3	1.56	57.0	1.50	54.1	1.36	52.6	1.36	50.3	1.29	48.0	1.22
	86	10.2	60.3	1.51	57.0	1.37	54.1	1.31	52.6	1.22	50.3	1.24	48.0	1.17
		17.8	60.3	1.47	57.0	1.33	54.1	1.27	52.6	1.22	50.3	1.20	48.0	1.13
		25.4	60.3	1.43	57.0	1.29	54.1	1.22	52.6	1.22	50.3	1.15	48.0	1.09
		31.8	60.3	1.43	57.0	1.29	54.1	1.22	52.6	1.22	50.3	1.15	48.0	1.09
		38.1	60.3	1.43	57.0	1.29	54.1	1.22	52.6	1.22	50.3	1.15	48.0	1.09
	95	10.2	60.3	1.37	57.0	1.22	54.1	1.15	52.6	1.17	50.3	1.09	48.0	1.02
		17.8	60.3	1.33	57.0	1.22	54.1	1.15	52.6	1.13	50.3	1.09	48.0	1.02
		25.4	60.3	1.29	57.0	1.22	54.1	1.15	52.6	1.09	50.3	1.09	48.0	1.02
		31.8	60.3	1.29	57.0	1.22	54.1	1.15	52.6	1.09	50.3	1.09	48.0	1.02
		38.1	60.3	1.29	57.0	1.22	54.1	1.15	52.6	1.09	50.3	1.09	48.0	1.02
	104	10.2	60.3	1.24	57.0	1.17	54.1	1.11	52.6	1.02	50.3	1.04	48.0	0.95
		17.8	60.3	1.20	57.0	1.13	54.1	1.07	52.6	1.02	50.3	1.00	48.0	0.95
		25.4	60.3	1.15	57.0	1.09	54.1	1.02	52.6	1.02	50.3	0.95	48.0	0.95
		31.8	60.3	1.15	57.0	1.09	54.1	1.02	52.6	1.02	50.3	0.95	48.0	0.95
		38.1	60.3	1.15	57.0	1.09	54.1	1.02	52.6	1.02	50.3	0.95	48.0	0.95
	113	10.2	60.3	1.11	57.0	1.12	54.1	1.05	52.6	0.87	50.3	0.98	48.0	0.88
		17.8	60.3	1.07	57.0	1.04	54.1	0.97	52.6	0.91	50.3	0.90	48.0	0.88
		25.4	60.3	1.02	57.0	0.95	54.1	0.88	52.6	0.95	50.3	0.81	48.0	0.88
		31.8	60.3	1.02	57.0	0.95	54.1	0.88	52.6	0.95	50.3	0.81	48.0	0.88
		38.1	60.3	1.02	57.0	0.95	54.1	0.88	52.6	0.95	50.3	0.81	48.0	0.88

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM121DAS5

121,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	12.2	63.9	5.60	63.4	5.27	63.0	4.91	62.2	4.76	62.9	4.64	61.2	4.16
		17.8	67.2	5.75	66.7	5.43	66.3	5.07	65.4	4.92	66.2	4.79	64.4	4.30
		30.4	74.7	6.08	74.1	5.78	73.7	5.44	72.7	5.28	73.6	5.14	71.7	4.61
		38.0	82.6	6.47	81.9	6.18	81.4	5.86	80.4	5.71	81.4	5.54	79.2	4.97
		45.6	86.6	6.67	85.8	6.38	85.2	6.08	84.2	5.92	85.3	5.75	83.0	5.15
	32	12.2	114.1	7.66	111.5	7.43	109.1	7.19	106.7	6.99	107.1	6.79	102.2	6.08
		17.8	115.1	7.69	112.5	7.46	110.1	7.22	107.7	7.02	108.1	6.82	103.2	6.11
		30.4	117.5	7.76	114.7	7.52	112.3	7.29	109.9	7.09	110.3	6.89	105.4	6.18
		38.0	119.3	7.76	116.4	7.52	114.0	7.29	111.5	7.09	111.9	6.89	106.9	6.18
		45.6	120.2	7.76	117.3	7.52	114.9	7.29	112.3	7.09	112.7	6.89	107.6	6.18
	41	12.2	164.3	8.23	161.8	8.03	158.5	7.82	154.5	7.60	150.3	7.39	142.0	6.62
		17.8	165.2	8.29	162.3	8.09	158.5	7.88	154.5	7.66	150.3	7.45	142.0	6.67
		30.4	167.1	8.42	163.3	8.21	158.6	8.02	154.5	7.80	150.3	7.58	142.0	6.79
		38.0	168.2	8.47	163.8	8.27	158.6	8.08	154.5	7.85	150.3	7.63	142.0	6.84
		45.6	168.7	8.50	164.0	8.30	158.6	8.10	154.5	7.88	150.3	7.66	142.0	6.86
	50	12.2	164.5	7.49	161.9	7.24	158.0	7.10	153.8	6.94	149.7	6.71	141.5	6.05
		17.8	166.0	7.47	163.0	7.25	159.0	7.12	154.8	6.94	150.6	6.70	142.4	6.04
		30.4	169.4	7.42	165.6	7.27	161.1	7.17	157.0	6.93	152.6	6.68	144.3	6.03
		38.0	170.3	7.52	166.8	7.38	162.1	7.20	157.7	6.96	153.6	6.79	145.2	6.32
		45.6	170.7	7.57	167.3	7.43	162.6	7.21	158.1	6.97	154.1	6.85	145.6	6.46
	59	12.2	164.8	6.75	161.9	6.46	157.3	6.39	153.2	6.29	149.2	6.02	140.9	5.49
		17.8	166.9	6.65	163.8	6.42	159.2	6.37	155.1	6.22	150.9	5.95	142.7	5.42
		30.4	171.5	6.42	168.0	6.32	163.6	6.32	159.5	6.06	154.8	5.79	146.6	5.26
		38.0	172.4	6.57	169.7	6.47	165.6	6.32	161.1	6.06	157.0	5.96	148.3	5.79
		45.6	172.9	6.65	170.5	6.55	166.7	6.32	161.9	6.06	158.1	6.04	149.2	6.06
	68	12.2	171.1	6.19	167.9	5.91	163.5	5.78	159.0	5.59	154.4	5.47	145.2	5.30
		17.8	173.2	6.12	170.0	5.90	165.4	5.77	160.9	5.63	156.5	5.53	147.3	5.23
		30.4	177.8	5.97	174.7	5.88	169.8	5.75	165.3	5.71	161.1	5.65	152.0	5.08
		38.0	178.6	5.97	175.9	5.88	171.8	5.79	166.9	5.71	162.4	5.65	153.2	5.40
		45.6	179.0	5.97	176.6	5.88	172.8	5.81	167.7	5.71	163.0	5.65	153.8	5.57
	77	12.2	180.6	5.91	175.9	5.73	171.8	5.64	168.5	5.54	164.8	5.46	155.3	5.10
		17.8	180.6	5.87	175.9	5.72	171.8	5.60	168.5	5.51	164.8	5.43	155.3	5.07
		30.4	180.6	5.79	175.9	5.69	171.8	5.52	168.5	5.44	164.8	5.35	155.3	4.99
		38.0	180.6	5.71	175.9	5.54	171.8	5.44	168.5	5.35	164.8	5.26	155.3	4.90
		45.6	180.6	5.66	175.9	5.47	171.8	5.40	168.5	5.30	164.8	5.21	155.3	4.86
	86	12.2	180.6	5.75	175.9	5.47	171.8	5.42	168.5	5.28	164.8	5.22	155.3	4.86
		17.8	180.6	5.68	175.9	5.45	171.8	5.37	168.5	5.25	164.8	5.15	155.3	4.79
		30.4	180.6	5.52	175.9	5.42	171.8	5.26	168.5	5.17	164.8	4.99	155.3	4.64
		38.0	180.6	5.44	175.9	5.27	171.8	5.17	168.5	5.08	164.8	4.99	155.3	4.64
		45.6	180.6	5.40	175.9	5.20	171.8	5.13	168.5	5.03	164.8	4.99	155.3	4.64
	95	12.2	180.6	5.49	175.9	5.30	171.8	5.20	168.5	5.01	164.8	4.84	155.3	4.50
		17.8	180.6	5.42	175.9	5.25	171.8	5.16	168.5	4.98	164.8	4.80	155.3	4.43
		30.4	180.6	5.26	175.9	5.15	171.8	5.08	168.5	4.90	164.8	4.72	155.3	4.28
		38.0	180.6	5.26	175.9	5.10	171.8	4.99	168.5	4.81	164.8	4.64	155.3	4.28
		45.6	180.6	5.26	175.9	5.07	171.8	4.94	168.5	4.77	164.8	4.60	155.3	4.28
	104	12.2	180.6	5.30	175.9	5.13	171.8	5.03	168.5	4.86	164.8	4.68	155.3	4.23
		17.8	180.6	5.23	175.9	5.08	171.8	4.96	168.5	4.79	164.8	4.61	155.3	4.16
		30.4	180.6	5.08	175.9	4.97	171.8	4.81	168.5	4.64	164.8	4.45	155.3	4.01
		38.0	180.6	4.99	175.9	4.89	171.8	4.81	168.5	4.64	164.8	4.45	155.3	4.01
		45.6	180.6	4.94	175.9	4.84	171.8	4.81	168.5	4.64	164.8	4.45	155.3	4.01
	113	12.2	180.6	5.12	175.9	4.96	171.8	4.88	168.5	4.70	164.8	4.52	155.3	3.96
		17.8	180.6	5.05	175.9	4.91	171.8	4.78	168.5	4.60	164.8	4.42	155.3	3.89
		30.4	180.6	4.90	175.9	4.79	171.8	4.55	168.5	4.37	164.8	4.19	155.3	3.74
		38.0	180.6	4.72	175.9	4.67	171.8	4.64	168.5	4.45	164.8	4.28	155.3	3.74
		45.6	180.6	4.63	175.9	4.61	171.8	4.68	168.5	4.49	164.8	4.32	155.3	3.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	23	12.2	60.7	5.60	60.2	5.27	59.8	4.91	59.1	4.70	59.6	4.56	58.0	4.09
		17.8	63.9	5.75	63.4	5.43	63.0	5.07	62.2	4.86	62.7	4.71	61.0	4.23
		30.4	71.1	6.08	70.5	5.78	70.1	5.44	69.2	5.21	69.8	5.06	67.9	4.54
		38.0	78.5	6.47	77.9	6.18	77.4	5.86	76.5	5.62	77.1	5.46	75.0	4.89
	32	45.6	82.2	6.67	81.6	6.38	81.0	6.08	80.1	5.83	80.8	5.66	78.5	5.06
		12.2	108.5	7.66	105.9	7.43	103.6	7.19	101.5	6.88	101.5	6.69	96.8	5.98
		17.8	109.5	7.69	106.9	7.46	104.6	7.22	102.4	6.91	102.4	6.72	97.7	6.01
		30.4	111.6	7.76	109.0	7.52	106.7	7.29	104.5	6.99	104.5	6.79	99.8	6.08
		38.0	113.4	7.76	110.8	7.52	108.4	7.29	106.1	6.99	106.0	6.79	101.3	6.08
		45.6	114.3	7.76	111.6	7.52	109.2	7.29	106.9	6.99	106.8	6.79	102.1	6.08
	41	12.2	156.4	8.23	154.1	8.03	150.7	7.82	147.1	7.49	142.4	7.28	134.6	6.52
		17.8	157.3	8.29	154.5	8.09	150.7	7.88	147.1	7.55	142.4	7.34	134.6	6.57
		30.4	159.2	8.42	155.5	8.21	150.7	8.02	147.1	7.69	142.4	7.47	134.6	6.68
		38.0	160.1	8.47	154.6	8.27	150.7	8.08	147.1	7.74	142.4	7.52	134.6	6.73
	50	45.6	160.6	8.50	154.1	8.30	150.7	8.10	147.1	7.77	142.4	7.55	134.6	6.75
		12.2	157.0	7.40	154.1	7.19	150.3	7.05	146.6	6.83	142.0	6.61	134.3	5.94
		17.8	158.1	7.44	155.1	7.23	150.9	7.09	147.2	6.85	142.6	6.60	134.8	5.95
		30.4	160.6	7.52	157.2	7.33	152.3	7.17	148.7	6.88	143.9	6.58	136.0	5.97
		38.0	161.5	7.50	156.7	7.33	153.0	7.20	149.3	6.91	144.5	6.61	136.6	6.18
		45.6	161.9	7.48	156.5	7.33	153.3	7.21	149.6	6.92	144.9	6.62	136.9	6.28
	59	12.2	157.4	6.56	154.3	6.37	149.8	6.27	146.2	6.17	141.7	5.93	133.9	5.37
		17.8	158.8	6.58	155.7	6.39	151.1	6.29	147.5	6.14	142.8	5.86	135.0	5.34
		30.4	162.0	6.63	159.0	6.44	154.1	6.32	150.3	6.06	145.3	5.71	137.5	5.26
		38.0	162.9	6.53	158.9	6.38	155.3	6.32	151.6	6.06	146.6	5.71	138.8	5.61
	68	45.6	163.3	6.48	158.8	6.35	156.0	6.32	152.2	6.06	147.2	5.71	139.4	5.80
		12.2	161.8	5.90	158.8	5.65	154.0	5.50	149.7	5.42	144.9	5.35	137.1	5.08
		17.8	163.4	5.90	160.2	5.68	155.3	5.53	151.2	5.45	146.3	5.34	138.4	5.05
		30.4	167.0	5.90	163.5	5.75	158.2	5.61	154.5	5.52	149.4	5.33	141.2	4.99
		38.0	167.8	5.85	163.4	5.71	159.5	5.61	155.3	5.52	150.3	5.35	142.0	5.17
		45.6	168.2	5.82	163.3	5.68	160.1	5.61	155.8	5.52	150.8	5.36	142.5	5.26
	77	12.2	169.7	5.58	164.8	5.32	159.5	5.22	156.1	5.10	152.0	5.01	143.7	4.66
		17.8	169.9	5.55	164.8	5.30	159.5	5.20	156.1	5.07	152.0	4.98	143.7	4.63
		30.4	170.2	5.48	164.8	5.27	159.5	5.17	156.1	4.99	152.0	4.90	143.7	4.55
		38.0	170.7	5.27	164.8	5.14	159.5	5.08	156.1	4.99	152.0	4.81	143.7	4.55
	86	45.6	170.9	5.17	164.8	5.07	159.5	5.03	156.1	4.99	152.0	4.77	143.7	4.55
		12.2	170.7	5.34	164.8	5.07	159.5	4.93	156.1	4.74	152.0	4.68	143.7	4.30
		17.8	170.7	5.27	164.8	5.02	159.5	4.89	156.1	4.71	152.0	4.61	143.7	4.27
		30.4	170.7	5.12	164.8	4.92	159.5	4.81	156.1	4.64	152.0	4.45	143.7	4.19
		38.0	170.7	4.95	164.8	4.81	159.5	4.72	156.1	4.64	152.0	4.45	143.7	4.10
		45.6	170.7	4.87	164.8	4.76	159.5	4.67	156.1	4.64	152.0	4.45	143.7	4.06
	95	12.2	170.7	5.10	164.8	4.82	159.5	4.68	156.1	4.50	152.0	4.32	143.7	3.94
		17.8	170.7	4.99	164.8	4.75	159.5	4.61	156.1	4.43	152.0	4.25	143.7	3.91
		30.4	170.7	4.74	164.8	4.60	159.5	4.45	156.1	4.28	152.0	4.10	143.7	3.84
		38.0	170.7	4.68	164.8	4.56	159.5	4.45	156.1	4.28	152.0	4.10	143.7	3.74
	104	45.6	170.7	4.66	164.8	4.54	159.5	4.45	156.1	4.28	152.0	4.10	143.7	3.70
		12.2	170.7	4.94	164.8	4.60	159.5	4.42	156.1	4.23	152.0	4.05	143.7	3.67
		17.8	170.7	4.80	164.8	4.52	159.5	4.35	156.1	4.16	152.0	3.99	143.7	3.64
		30.4	170.7	4.47	164.8	4.33	159.5	4.19	156.1	4.01	152.0	3.84	143.7	3.57
		38.0	170.7	4.42	164.8	4.28	159.5	4.19	156.1	4.01	152.0	3.84	143.7	3.48
		45.6	170.7	4.39	164.8	4.25	159.5	4.19	156.1	4.01	152.0	3.84	143.7	3.43
	113	12.2	170.7	4.79	164.8	4.38	159.5	4.15	156.1	3.96	152.0	3.79	143.7	3.40
		17.8	170.7	4.61	164.8	4.28	159.5	4.08	156.1	3.89	152.0	3.72	143.7	3.37
		30.4	170.7	4.20	164.8	4.07	159.5	3.92	156.1	3.74	152.0	3.57	143.7	3.30
		38.0	170.7	4.15	164.8	3.99	159.5	3.92	156.1	3.74	152.0	3.57	143.7	3.21
		45.6	170.7	4.12	164.8	3.95	159.5	3.92	156.1	3.74	152.0	3.57	143.7	3.16

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM121DAS5

121,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	23	12.2	57.4	5.67	57.1	5.27	56.7	4.91	56.1	4.70	56.2	4.56	55.0	4.09
		17.8	60.4	5.82	60.1	5.43	59.7	5.07	59.1	4.86	59.1	4.71	57.9	4.23
		30.4	67.2	6.16	66.8	5.78	66.4	5.44	65.7	5.21	65.7	5.06	64.4	4.54
		38.0	74.2	6.55	73.7	6.18	73.3	5.86	72.6	5.62	72.6	5.46	71.1	4.89
		45.6	77.8	6.75	77.2	6.38	76.8	6.08	76.1	5.83	76.1	5.66	74.4	5.06
	32	12.2	102.6	7.76	100.4	7.43	98.3	7.19	96.4	6.88	95.5	6.69	91.9	5.98
		17.8	103.5	7.79	101.3	7.46	99.2	7.22	97.3	6.91	96.4	6.72	92.7	6.01
		30.4	105.6	7.85	103.4	7.52	101.1	7.29	99.2	6.99	98.3	6.79	94.6	6.08
		38.0	107.2	7.85	105.0	7.52	102.7	7.29	100.7	6.99	99.8	6.79	95.9	6.08
		45.6	108.1	7.85	105.8	7.52	103.5	7.29	101.5	6.99	100.6	6.79	96.6	6.08
	41	12.2	149.7	8.34	146.1	8.03	142.8	7.82	139.5	7.49	134.1	7.28	127.6	6.52
		17.8	150.5	8.40	146.6	8.09	142.8	7.88	139.5	7.55	134.1	7.34	127.6	6.57
		30.4	152.2	8.53	147.6	8.21	142.9	8.02	139.5	7.69	134.1	7.47	127.6	6.68
		38.0	153.1	8.58	147.9	8.27	142.9	8.08	139.5	7.74	134.1	7.52	127.6	6.73
		45.6	153.5	8.61	148.1	8.30	142.9	8.10	139.5	7.77	134.1	7.55	127.6	6.75
	50	12.2	150.3	7.48	146.5	7.23	142.6	7.07	139.3	6.83	133.9	6.61	127.4	5.94
		17.8	151.2	7.50	147.1	7.26	142.9	7.10	139.6	6.85	134.2	6.60	127.6	5.95
		30.4	153.1	7.55	148.4	7.33	143.7	7.17	140.4	6.88	135.0	6.58	128.2	5.97
		38.0	154.0	7.55	149.1	7.33	144.2	7.15	140.7	6.86	135.3	6.61	128.6	6.04
		45.6	154.4	7.55	149.4	7.33	144.4	7.14	140.8	6.85	135.4	6.62	128.8	6.07
	59	12.2	150.7	6.62	146.8	6.44	142.5	6.32	139.1	6.17	133.7	5.93	127.3	5.37
		17.8	151.7	6.60	147.6	6.44	143.1	6.32	139.7	6.14	134.4	5.86	127.8	5.34
		30.4	153.8	6.57	149.4	6.44	144.5	6.32	141.2	6.06	135.9	5.71	128.8	5.26
		38.0	154.7	6.53	150.2	6.38	145.3	6.24	141.7	5.97	136.3	5.71	129.6	5.35
	68	12.2	153.5	5.71	149.3	5.58	144.5	5.44	140.6	5.35	135.5	5.20	128.3	4.86
		17.8	154.8	5.73	150.1	5.58	145.1	5.44	141.4	5.35	136.1	5.16	129.1	4.84
		30.4	157.6	5.77	151.8	5.58	146.6	5.44	143.3	5.35	137.5	5.08	130.9	4.81
		38.0	158.5	5.77	153.1	5.58	147.4	5.44	143.7	5.26	138.3	5.08	131.2	4.81
	77	12.2	158.3	5.20	153.6	5.01	147.4	4.93	144.2	4.74	139.1	4.57	131.7	4.19
		17.8	158.8	5.18	153.6	4.98	147.4	4.89	144.2	4.71	139.1	4.53	131.7	4.19
	86	12.2	160.6	4.74	153.6	4.57	147.4	4.39	144.2	4.30	139.1	4.03	131.7	3.77
		17.8	160.6	4.71	153.6	4.53	147.4	4.36	144.2	4.27	139.1	4.00	131.7	3.73
		30.4	160.6	4.64	153.6	4.45	147.4	4.28	144.2	4.19	139.1	3.92	131.7	3.65
		38.0	160.6	4.60	153.6	4.37	147.4	4.19	144.2	4.10	139.1	3.92	131.7	3.65
	95	12.2	160.6	4.50	153.6	4.21	147.4	4.03	144.2	3.86	139.1	3.67	131.7	3.40
		17.8	160.6	4.43	153.6	4.18	147.4	4.00	144.2	3.82	139.1	3.64	131.7	3.37
		30.4	160.6	4.28	153.6	4.10	147.4	3.92	144.2	3.74	139.1	3.57	131.7	3.30
		38.0	160.6	4.17	153.6	4.01	147.4	3.84	144.2	3.74	139.1	3.57	131.7	3.30
	104	12.2	160.6	4.23	153.6	4.05	147.4	3.79	144.2	3.59	139.1	3.40	131.7	3.14
		17.8	160.6	4.16	153.6	3.99	147.4	3.72	144.2	3.56	139.1	3.37	131.7	3.11
	113	12.2	160.6	3.96	153.6	3.90	147.4	3.54	144.2	3.32	139.1	3.14	131.7	2.87
		17.8	160.6	3.89	153.6	3.80	147.4	3.44	144.2	3.29	139.1	3.11	131.7	2.84
		30.4	160.6	3.74	153.6	3.57	147.4	3.21	144.2	3.21	139.1	3.03	131.7	2.77
		38.0	160.6	3.74	153.6	3.48	147.4	3.30	144.2	3.03	139.1	2.85	131.7	2.58
		12.2	160.6	3.74	153.6	3.43	147.4	3.35	144.2	2.94	139.1	2.76	131.7	2.49
		17.8	160.6	3.74	153.6	3.43	147.4	3.35	144.2	2.94	139.1	2.76	131.7	2.49
		30.4	160.6	3.74	153.6	3.43	147.4	3.35	144.2	2.94	139.1	2.76	131.7	2.49
		38.0	160.6	3.74	153.6	3.43	147.4	3.35	144.2	2.94	139.1	2.76	131.7	2.49
		12.2	160.6	3.74	153.6	3.43	147.4	3.35	144.2	2.94	139.1	2.76	131.7	2.49
		17.8	160.6	3.74	153.6	3.43	147.4	3.35	144.2	2.94	139.1	2.76	131.7	2.49
		30.4	160.6	3.74	153.6	3.43	147.4	3.35	144.2	2.94	139.1	2.76	131.7	2.49
		38.0	160.6	3.74	153.6	3.43	147.4	3.35	144.2	2.94	139.1	2.76	131.7	2.49

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	12.2	54.3	5.67	53.9	5.35	53.7	4.91	53.2	4.70	52.7	4.49	51.7	4.09
		17.8	57.1	5.82	56.8	5.50	56.5	5.07	56.0	4.86	55.5	4.64	54.5	4.23
		30.4	63.5	6.16	63.2	5.85	62.8	5.44	62.2	5.21	61.7	4.99	60.7	4.54
		38.0	70.2	6.55	69.7	6.26	69.3	5.86	68.7	5.62	68.2	5.37	66.9	4.89
		45.6	73.6	6.75	73.0	6.46	72.6	6.08	72.0	5.83	71.5	5.57	70.1	5.06
	32	12.2	97.0	7.76	94.9	7.53	92.9	7.19	91.3	6.88	89.6	6.59	86.5	5.98
		17.8	97.9	7.79	95.8	7.56	93.7	7.22	92.1	6.91	90.4	6.62	87.3	6.01
		30.4	99.8	7.85	97.7	7.62	95.6	7.29	93.9	6.99	92.3	6.68	89.0	6.08
		38.0	101.3	7.85	99.2	7.62	97.1	7.29	95.3	6.99	93.7	6.68	90.4	6.08
		45.6	102.1	7.85	100.0	7.62	97.8	7.29	96.0	6.99	94.4	6.68	91.1	6.08
	41	12.2	143.2	8.34	138.4	8.14	134.8	7.82	132.1	7.49	125.8	7.17	120.1	6.52
		17.8	144.0	8.40	138.8	8.20	134.9	7.88	132.1	7.55	125.8	7.23	120.1	6.57
		30.4	145.7	8.53	139.6	8.33	135.0	8.02	132.1	7.69	125.8	7.36	120.1	6.68
		38.0	146.6	8.58	140.0	8.38	135.0	8.08	132.1	7.74	125.8	7.40	120.1	6.73
		45.6	147.0	8.61	140.2	8.41	135.0	8.10	132.1	7.77	125.8	7.43	120.1	6.75
	50	12.2	143.9	7.46	138.8	7.30	135.0	7.07	132.1	6.83	125.8	6.49	120.1	5.94
		17.8	144.5	7.51	139.1	7.33	135.0	7.10	132.1	6.85	125.8	6.50	120.1	5.95
		30.4	145.7	7.63	139.8	7.41	135.0	7.17	132.1	6.88	125.8	6.53	120.1	5.97
		38.0	146.7	7.61	140.4	7.41	135.0	7.15	132.1	6.86	125.8	6.51	120.1	5.95
		45.6	147.2	7.59	140.7	7.41	135.0	7.14	132.1	6.85	125.8	6.50	120.1	5.93
	59	12.2	144.7	6.58	139.4	6.47	135.0	6.32	132.1	6.17	125.8	5.81	120.1	5.37
		17.8	145.0	6.63	139.6	6.48	135.0	6.32	132.1	6.14	125.8	5.78	120.1	5.34
		30.4	145.7	6.74	139.9	6.49	135.0	6.32	132.1	6.06	125.8	5.71	120.1	5.26
		38.0	146.9	6.63	140.7	6.44	135.0	6.24	132.1	5.97	125.8	5.61	120.1	5.17
		45.6	147.6	6.57	141.0	6.41	135.0	6.20	132.1	5.93	125.8	5.57	120.1	5.13
	68	12.2	145.5	5.63	140.2	5.48	135.0	5.35	132.1	5.28	125.8	4.93	120.1	4.68
		17.8	146.3	5.67	140.4	5.49	135.0	5.35	132.1	5.25	125.8	4.89	120.1	4.61
		30.4	148.2	5.75	140.7	5.50	135.0	5.35	132.1	5.17	125.8	4.81	120.1	4.45
		38.0	149.1	5.65	141.9	5.46	135.0	5.26	132.1	5.08	125.8	4.72	120.1	4.37
		45.6	149.5	5.60	142.5	5.43	135.0	5.21	132.1	5.03	125.8	4.67	120.1	4.33
	77	12.2	147.3	4.92	142.4	4.76	135.0	4.57	132.1	4.39	125.8	4.13	120.1	3.74
		17.8	148.1	4.93	142.4	4.72	135.0	4.53	132.1	4.36	125.8	4.09	120.1	3.74
		30.4	149.9	4.94	142.4	4.64	135.0	4.45	132.1	4.28	125.8	4.01	120.1	3.74
		38.0	150.7	4.83	142.4	4.60	135.0	4.37	132.1	4.19	125.8	4.01	120.1	3.65
		45.6	151.1	4.78	142.4	4.58	135.0	4.33	132.1	4.14	125.8	4.01	120.1	3.60
	86	12.2	150.7	4.47	142.4	4.13	135.0	3.84	132.1	3.77	125.8	3.48	120.1	3.32
		17.8	150.7	4.44	142.4	4.09	135.0	3.83	132.1	3.73	125.8	3.48	120.1	3.29
		30.4	150.7	4.37	142.4	4.01	135.0	3.80	132.1	3.65	125.8	3.48	120.1	3.21
		38.0	150.7	4.28	142.4	4.01	135.0	3.74	132.1	3.65	125.8	3.38	120.1	3.21
		45.6	150.7	4.23	142.4	4.01	135.0	3.72	132.1	3.65	125.8	3.34	120.1	3.21
	95	12.2	150.7	4.15	142.4	3.79	135.0	3.39	132.1	3.32	125.8	3.14	120.1	2.87
		17.8	150.7	4.08	142.4	3.72	135.0	3.38	132.1	3.29	125.8	3.11	120.1	2.84
		30.4	150.7	3.92	142.4	3.57	135.0	3.35	132.1	3.21	125.8	3.03	120.1	2.77
		38.0	150.7	3.92	142.4	3.57	135.0	3.30	132.1	3.21	125.8	3.03	120.1	2.77
		45.6	150.7	3.92	142.4	3.57	135.0	3.28	132.1	3.21	125.8	3.03	120.1	2.77
	104	12.2	150.7	3.88	142.4	3.52	135.0	3.04	132.1	2.96	125.8	2.79	120.1	2.60
		17.8	150.7	3.81	142.4	3.45	135.0	3.03	132.1	2.93	125.8	2.75	120.1	2.57
		30.4	150.7	3.65	142.4	3.30	135.0	3.00	132.1	2.85	125.8	2.67	120.1	2.50
		38.0	150.7	3.57	142.4	3.30	135.0	2.94	132.1	2.85	125.8	2.67	120.1	2.50
		45.6	150.7	3.53	142.4	3.30	135.0	2.91	132.1	2.85	125.8	2.67	120.1	2.50
	113	12.2	150.7	3.61	142.4	3.25	135.0	2.68	132.1	2.60	125.8	2.43	120.1	2.34
		17.8	150.7	3.54	142.4	3.18	135.0	2.67	132.1	2.57	125.8	2.39	120.1	2.31
		30.4	150.7	3.38	142.4	3.03	135.0	2.64	132.1	2.50	125.8	2.31	120.1	2.23
		38.0	150.7	3.21	142.4	3.03	135.0	2.58	132.1	2.50	125.8	2.31	120.1	2.23
		45.6	150.7	3.12	142.4	3.03	135.0	2.55	132.1	2.50	125.8	2.31	120.1	2.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA

ARWM121DAS5

121,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	12.2	51.2	5.27	49.6	4.80	48.2	4.21	47.8	4.01	47.5	3.87	46.6	3.47
		17.8	53.9	5.41	52.2	4.94	50.7	4.35	50.3	4.15	50.0	4.00	49.0	3.59
		30.4	60.0	5.72	58.1	5.25	56.4	4.67	56.0	4.45	55.6	4.30	54.5	3.85
		38.0	66.3	6.08	64.2	5.61	62.3	5.04	61.8	4.80	61.4	4.63	60.3	4.16
		45.6	69.5	6.26	67.2	5.80	65.3	5.23	64.7	4.98	64.3	4.80	63.2	4.31
	32	12.2	91.6	7.17	87.4	6.73	83.4	6.18	82.2	5.89	80.8	5.67	77.8	5.09
		17.8	92.4	7.20	88.2	6.76	84.2	6.20	82.9	5.91	81.5	5.69	78.5	5.11
		30.4	94.3	7.26	89.9	6.82	85.9	6.26	84.5	5.97	83.1	5.75	80.1	5.16
		38.0	95.7	7.26	91.3	6.82	87.3	6.26	85.8	5.97	84.5	5.75	81.4	5.16
	41	45.6	96.4	7.26	92.0	6.82	88.0	6.26	86.4	5.97	85.2	5.75	82.0	5.16
		12.2	129.5	7.70	125.3	7.27	121.3	6.73	118.8	6.41	113.5	6.17	108.1	5.54
		17.8	129.7	7.75	125.1	7.32	121.3	6.78	118.8	6.46	113.5	6.22	108.1	5.58
		30.4	130.1	7.87	124.8	7.44	121.3	6.89	118.8	6.57	113.5	6.33	108.1	5.68
		38.0	130.9	7.92	125.2	7.49	121.3	6.94	118.8	6.62	113.5	6.38	108.1	5.73
	50	45.6	131.2	7.94	125.4	7.51	121.3	6.97	118.8	6.64	113.5	6.40	108.1	5.75
		12.2	130.2	6.80	125.7	6.46	121.3	6.09	118.8	5.84	113.5	5.60	108.1	5.05
		17.8	130.1	6.81	125.5	6.47	121.3	6.10	118.8	5.85	113.5	5.59	108.1	5.06
		30.4	129.9	6.82	125.0	6.50	121.3	6.12	118.8	5.87	113.5	5.58	108.1	5.07
		38.0	130.7	6.80	125.3	6.48	121.3	6.10	118.8	5.85	113.5	5.60	108.1	5.09
	59	45.6	131.2	6.79	125.5	6.47	121.3	6.09	118.8	5.84	113.5	5.61	108.1	5.10
		12.2	130.8	5.89	126.2	5.67	121.3	5.46	118.8	5.28	113.5	5.03	108.1	4.57
		17.8	130.5	5.85	125.9	5.64	121.3	5.43	118.8	5.25	113.5	4.96	108.1	4.53
		30.4	129.7	5.77	125.1	5.56	121.3	5.35	118.8	5.17	113.5	4.81	108.1	4.45
		38.0	130.6	5.69	125.5	5.48	121.3	5.26	118.8	5.08	113.5	4.81	108.1	4.45
	68	45.6	131.0	5.65	125.6	5.43	121.3	5.21	118.8	5.03	113.5	4.81	108.1	4.45
		12.2	131.6	4.97	126.7	4.83	121.3	4.66	118.8	4.47	113.5	4.32	108.1	4.05
		17.8	131.4	4.97	126.3	4.81	121.3	4.63	118.8	4.44	113.5	4.25	108.1	3.99
		30.4	131.0	4.97	125.5	4.76	121.3	4.55	118.8	4.37	113.5	4.10	108.1	3.84
		38.0	131.4	4.89	125.8	4.72	121.3	4.55	118.8	4.37	113.5	4.10	108.1	3.84
	77	45.6	131.5	4.84	126.0	4.70	121.3	4.55	118.8	4.37	113.5	4.10	108.1	3.84
		12.2	133.8	4.34	128.3	4.11	121.3	3.94	118.8	3.74	113.5	3.59	108.1	3.32
		17.8	134.3	4.33	128.3	4.10	121.3	3.91	118.8	3.74	113.5	3.56	108.1	3.29
		30.4	135.4	4.30	128.3	4.07	121.3	3.84	118.8	3.74	113.5	3.48	108.1	3.21
		38.0	135.9	4.19	128.3	3.97	121.3	3.84	118.8	3.65	113.5	3.48	108.1	3.21
	86	45.6	136.1	4.13	128.3	3.93	121.3	3.84	118.8	3.60	113.5	3.48	108.1	3.21
		12.2	135.9	3.94	128.3	3.67	121.3	3.40	118.8	3.32	113.5	3.14	108.1	2.85
		17.8	135.9	3.91	128.3	3.64	121.3	3.37	118.8	3.29	113.5	3.11	108.1	2.85
		30.4	135.9	3.84	128.3	3.57	121.3	3.30	118.8	3.21	113.5	3.03	108.1	2.85
		38.0	135.9	3.74	128.3	3.48	121.3	3.30	118.8	3.21	113.5	3.03	108.1	2.77
	95	45.6	135.9	3.70	128.3	3.43	121.3	3.30	118.8	3.21	113.5	3.03	108.1	2.72
		12.2	135.9	3.59	128.3	3.32	121.3	3.06	118.8	2.96	113.5	2.79	108.1	2.60
		17.8	135.9	3.56	128.3	3.29	121.3	3.02	118.8	2.93	113.5	2.75	108.1	2.57
		30.4	135.9	3.48	128.3	3.21	121.3	2.94	118.8	2.85	113.5	2.67	108.1	2.50
		38.0	135.9	3.38	128.3	3.12	121.3	2.85	118.8	2.77	113.5	2.67	108.1	2.50
	104	45.6	135.9	3.34	128.3	3.07	121.3	2.80	118.8	2.72	113.5	2.67	108.1	2.50
		12.2	135.9	3.35	128.3	3.06	121.3	2.70	118.8	2.60	113.5	2.52	108.1	2.34
		17.8	135.9	3.28	128.3	3.02	121.3	2.66	118.8	2.57	113.5	2.49	108.1	2.31
		30.4	135.9	3.12	128.3	2.94	121.3	2.58	118.8	2.50	113.5	2.41	108.1	2.23
		38.0	135.9	3.12	128.3	2.94	121.3	2.58	118.8	2.50	113.5	2.41	108.1	2.23
	113	45.6	135.9	3.12	128.3	2.94	121.3	2.58	118.8	2.50	113.5	2.41	108.1	2.23
		12.2	135.9	3.10	128.3	2.79	121.3	2.34	118.8	2.25	113.5	2.25	108.1	2.07
		17.8	135.9	3.00	128.3	2.75	121.3	2.31	118.8	2.22	113.5	2.22	108.1	2.04
		30.4	135.9	2.77	128.3	2.67	121.3	2.23	118.8	2.14	113.5	2.14	108.1	1.96
		38.0	135.9	2.85	128.3	2.77	121.3	2.31	118.8	2.23	113.5	2.14	108.1	1.96
		45.6	135.9	2.89	128.3	2.81	121.3	2.36	118.8	2.28	113.5	2.14	108.1	1.96

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	23	12.2	48.5	3.75	45.4	3.61	43.0	3.46	42.5	3.34	42.2	3.18	41.4	2.93
		17.8	51.0	3.88	47.8	3.73	45.2	3.57	44.7	3.45	44.4	3.29	43.6	3.03
		30.4	56.6	4.17	53.1	4.00	50.2	3.83	49.7	3.70	49.5	3.53	48.5	3.25
		38.0	62.7	4.49	58.6	4.31	55.5	4.13	54.9	3.99	54.6	3.81	53.5	3.50
		45.6	65.7	4.65	61.4	4.47	58.2	4.28	57.5	4.14	57.2	3.95	56.0	3.63
	32	12.2	86.5	5.51	79.8	5.28	74.3	5.07	72.9	4.89	71.9	4.66	69.2	4.29
		17.8	87.3	5.53	80.5	5.31	75.0	5.09	73.6	4.91	72.6	4.68	69.8	4.31
		30.4	89.2	5.59	82.1	5.37	76.5	5.14	75.1	4.96	74.1	4.73	71.2	4.35
		38.0	90.4	5.59	83.4	5.37	77.7	5.14	76.2	4.96	75.2	4.73	72.3	4.35
		45.6	91.1	5.59	84.0	5.37	78.4	5.14	76.8	4.96	75.8	4.73	72.9	4.35
	41	12.2	119.7	5.99	112.9	5.76	108.0	5.50	105.6	5.32	101.1	5.07	96.1	4.67
		17.8	120.1	6.04	113.2	5.80	108.0	5.55	105.6	5.36	101.1	5.11	96.1	4.71
		30.4	120.9	6.15	114.0	5.90	108.1	5.65	105.6	5.46	101.1	5.20	96.1	4.79
		38.0	120.9	6.19	113.9	5.95	108.1	5.69	105.6	5.49	101.1	5.24	96.1	4.82
		45.6	120.9	6.20	113.8	5.97	108.1	5.71	105.6	5.51	101.1	5.26	96.1	4.84
	50	12.2	120.3	5.51	113.4	5.26	108.0	4.99	105.6	4.86	101.1	4.60	96.1	4.26
		17.8	120.5	5.50	113.6	5.25	108.0	5.00	105.6	4.86	101.1	4.60	96.1	4.26
		30.4	120.9	5.48	114.0	5.23	108.1	5.01	105.6	4.87	101.1	4.61	96.1	4.27
		38.0	120.9	5.46	113.9	5.25	108.1	5.02	105.6	4.84	101.1	4.58	96.1	4.24
		45.6	120.9	5.45	113.8	5.26	108.1	5.03	105.6	4.83	101.1	4.57	96.1	4.23
	59	12.2	120.9	5.03	113.9	4.76	108.1	4.47	105.6	4.39	101.1	4.13	96.1	3.86
		17.8	120.9	4.96	113.9	4.70	108.1	4.44	105.6	4.36	101.1	4.09	96.1	3.82
		30.4	120.9	4.81	113.9	4.55	108.1	4.37	105.6	4.28	101.1	4.01	96.1	3.74
		38.0	120.9	4.72	113.9	4.55	108.1	4.37	105.6	4.19	101.1	3.92	96.1	3.65
		45.6	120.9	4.67	113.9	4.55	108.1	4.37	105.6	4.14	101.1	3.87	96.1	3.60
	68	12.2	120.9	4.21	113.9	4.03	108.1	3.84	105.6	3.77	101.1	3.59	96.1	3.32
		17.8	120.9	4.18	113.9	4.00	108.1	3.84	105.6	3.73	101.1	3.56	96.1	3.29
		30.4	120.9	4.10	113.9	3.92	108.1	3.84	105.6	3.65	101.1	3.48	96.1	3.21
		38.0	120.9	4.01	113.9	3.84	108.1	3.74	105.6	3.65	101.1	3.38	96.1	3.21
		45.6	120.9	3.96	113.9	3.79	108.1	3.70	105.6	3.65	101.1	3.34	96.1	3.21
	77	12.2	120.9	3.77	113.9	3.50	108.1	3.30	105.6	3.23	101.1	3.06	96.1	2.87
		17.8	120.9	3.73	113.9	3.46	108.1	3.30	105.6	3.20	101.1	3.02	96.1	2.84
		30.4	120.9	3.65	113.9	3.38	108.1	3.30	105.6	3.12	101.1	2.94	96.1	2.77
		38.0	120.9	3.57	113.9	3.38	108.1	3.21	105.6	3.12	101.1	2.94	96.1	2.77
		45.6	120.9	3.53	113.9	3.38	108.1	3.16	105.6	3.12	101.1	2.94	96.1	2.77
	86	12.2	120.9	3.32	113.9	3.14	108.1	2.96	105.6	2.87	101.1	2.70	96.1	2.52
		17.8	120.9	3.29	113.9	3.11	108.1	2.93	105.6	2.84	101.1	2.66	96.1	2.49
		30.4	120.9	3.21	113.9	3.03	108.1	2.85	105.6	2.77	101.1	2.58	96.1	2.41
		38.0	120.9	3.21	113.9	3.03	108.1	2.85	105.6	2.77	101.1	2.58	96.1	2.41
		45.6	120.9	3.21	113.9	3.03	108.1	2.85	105.6	2.77	101.1	2.58	96.1	2.41
	95	12.2	120.9	3.06	113.9	2.87	108.1	2.60	105.6	2.50	101.1	2.43	96.1	2.23
		17.8	120.9	3.02	113.9	2.84	108.1	2.57	105.6	2.50	101.1	2.39	96.1	2.23
		30.4	120.9	2.94	113.9	2.77	108.1	2.50	105.6	2.50	101.1	2.31	96.1	2.23
		38.0	120.9	2.94	113.9	2.67	108.1	2.50	105.6	2.41	101.1	2.31	96.1	2.14
		45.6	120.9	2.94	113.9	2.63	108.1	2.50	105.6	2.36	101.1	2.31	96.1	2.09
	104	12.2	120.9	2.89	113.9	2.60	108.1	2.31	105.6	2.34	101.1	2.14	96.1	2.07
		17.8	120.9	2.82	113.9	2.57	108.1	2.31	105.6	2.31	101.1	2.14	96.1	2.04
		30.4	120.9	2.67	113.9	2.50	108.1	2.31	105.6	2.23	101.1	2.14	96.1	1.96
		38.0	120.9	2.67	113.9	2.50	108.1	2.23	105.6	2.23	101.1	2.14	96.1	1.96
		45.6	120.9	2.67	113.9	2.50	108.1	2.19	105.6	2.23	101.1	2.14	96.1	1.96
	113	12.2	120.9	2.74	113.9	2.34	108.1	2.02	105.6	2.18	101.1	1.85	96.1	1.92
		17.8	120.9	2.64	113.9	2.31	108.1	2.06	105.6	2.11	101.1	1.88	96.1	1.85
		30.4	120.9	2.41	113.9	2.23	108.1	2.14	105.6	1.96	101.1	1.96	96.1	1.70
		38.0	120.9	2.41	113.9	2.31	108.1	1.96	105.6	2.05	101.1	1.96	96.1	1.78
		45.6	120.9	2.41	113.9	2.36	108.1	1.88	105.6	2.09	101.1	1.96	96.1	1.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM121DAS5

121,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	23	12.2	42.2	3.22	39.7	3.07	37.5	2.97	37.2	2.80	36.9	2.70	36.3	2.45
		17.8	44.4	3.33	41.8	3.17	39.4	3.07	39.1	2.89	38.8	2.79	38.2	2.53
		30.4	49.5	3.57	46.5	3.40	43.8	3.29	43.5	3.10	43.2	2.99	42.4	2.72
		38.0	54.8	3.85	51.4	3.67	48.5	3.55	48.1	3.34	47.7	3.23	46.8	2.93
		45.6	57.4	4.00	53.8	3.80	50.8	3.68	50.4	3.46	50.0	3.35	49.1	3.04
	32	12.2	75.7	4.72	69.9	4.50	64.9	4.35	63.8	4.09	62.8	3.95	60.6	3.60
		17.8	76.4	4.74	70.5	4.52	65.5	4.37	64.4	4.11	63.4	3.97	61.1	3.61
		30.4	77.9	4.78	72.0	4.55	66.8	4.42	65.7	4.15	64.7	4.01	62.3	3.64
		38.0	79.0	4.78	73.1	4.55	67.8	4.42	66.7	4.15	65.7	4.01	63.3	3.64
		45.6	79.6	4.78	73.7	4.55	68.3	4.42	67.2	4.15	66.2	4.01	63.8	3.64
	41	12.2	104.5	5.14	99.0	4.89	94.3	4.73	92.3	4.46	88.2	4.30	84.0	3.91
		17.8	104.8	5.18	99.3	4.93	94.3	4.77	92.3	4.49	88.2	4.34	84.0	3.94
		30.4	105.6	5.26	100.0	5.02	94.4	4.86	92.3	4.56	88.2	4.42	84.0	4.01
		38.0	105.6	5.30	99.8	5.05	94.4	4.90	92.3	4.60	88.2	4.44	84.0	4.04
		45.6	105.6	5.32	99.8	5.07	94.4	4.91	92.3	4.62	88.2	4.46	84.0	4.05
	50	12.2	105.0	4.73	99.4	4.47	94.4	4.31	92.3	4.07	88.2	3.90	84.0	3.57
		17.8	105.2	4.71	99.5	4.46	94.4	4.29	92.3	4.07	88.2	3.90	84.0	3.57
		30.4	105.6	4.68	99.8	4.43	94.4	4.26	92.3	4.07	88.2	3.90	84.0	3.57
		38.0	105.6	4.70	99.8	4.44	94.4	4.28	92.3	4.08	88.2	3.87	84.0	3.58
		45.6	105.6	4.71	99.8	4.45	94.4	4.29	92.3	4.09	88.2	3.86	84.0	3.58
	59	12.2	105.6	4.32	99.8	4.05	94.4	3.88	92.3	3.67	88.2	3.50	84.0	3.23
		17.8	105.6	4.25	99.8	3.99	94.4	3.81	92.3	3.64	88.2	3.46	84.0	3.20
		30.4	105.6	4.10	99.8	3.84	94.4	3.65	92.3	3.57	88.2	3.38	84.0	3.12
		38.0	105.6	4.10	99.8	3.84	94.4	3.65	92.3	3.57	88.2	3.30	84.0	3.12
		45.6	105.6	4.10	99.8	3.84	94.4	3.65	92.3	3.57	88.2	3.26	84.0	3.12
	68	12.2	105.6	3.59	99.8	3.40	94.4	3.32	92.3	3.23	88.2	3.06	84.0	2.87
		17.8	105.6	3.56	99.8	3.37	94.4	3.29	92.3	3.20	88.2	3.02	84.0	2.84
		30.4	105.6	3.48	99.8	3.30	94.4	3.21	92.3	3.12	88.2	2.94	84.0	2.77
		38.0	105.6	3.48	99.8	3.30	94.4	3.21	92.3	3.03	88.2	2.94	84.0	2.67
		45.6	105.6	3.48	99.8	3.30	94.4	3.21	92.3	2.99	88.2	2.94	84.0	2.63
	77	12.2	105.6	3.23	99.8	3.06	94.4	2.87	92.3	2.79	88.2	2.58	84.0	2.41
		17.8	105.6	3.20	99.8	3.02	94.4	2.84	92.3	2.75	88.2	2.58	84.0	2.41
		30.4	105.6	3.12	99.8	2.94	94.4	2.77	92.3	2.67	88.2	2.58	84.0	2.41
		38.0	105.6	3.03	99.8	2.85	94.4	2.77	92.3	2.67	88.2	2.50	84.0	2.41
		45.6	105.6	2.99	99.8	2.80	94.4	2.77	92.3	2.67	88.2	2.46	84.0	2.41
	86	12.2	105.6	2.87	99.8	2.70	94.4	2.52	92.3	2.41	88.2	2.34	84.0	2.14
		17.8	105.6	2.84	99.8	2.66	94.4	2.49	92.3	2.41	88.2	2.31	84.0	2.14
		30.4	105.6	2.77	99.8	2.58	94.4	2.41	92.3	2.41	88.2	2.23	84.0	2.14
		38.0	105.6	2.77	99.8	2.58	94.4	2.41	92.3	2.31	88.2	2.23	84.0	2.14
		45.6	105.6	2.77	99.8	2.58	94.4	2.41	92.3	2.27	88.2	2.23	84.0	2.14
	95	12.2	105.6	2.60	99.8	2.43	94.4	2.23	92.3	2.25	88.2	2.05	84.0	1.99
		17.8	105.6	2.57	99.8	2.39	94.4	2.23	92.3	2.22	88.2	2.05	84.0	1.95
		30.4	105.6	2.50	99.8	2.31	94.4	2.23	92.3	2.14	88.2	2.05	84.0	1.87
		38.0	105.6	2.50	99.8	2.31	94.4	2.14	92.3	2.14	88.2	2.05	84.0	1.87
		45.6	105.6	2.50	99.8	2.31	94.4	2.09	92.3	2.14	88.2	2.05	84.0	1.87
	104	12.2	105.6	2.43	99.8	2.25	94.4	2.07	92.3	1.96	88.2	1.87	84.0	1.80
		17.8	105.6	2.39	99.8	2.22	94.4	2.04	92.3	1.96	88.2	1.87	84.0	1.77
		30.4	105.6	2.31	99.8	2.14	94.4	1.96	92.3	1.96	88.2	1.87	84.0	1.70
		38.0	105.6	2.31	99.8	2.14	94.4	1.96	92.3	1.87	88.2	1.78	84.0	1.70
		45.6	105.6	2.31	99.8	2.14	94.4	1.96	92.3	1.83	88.2	1.73	84.0	1.70
	113	12.2	105.6	2.25	99.8	2.07	94.4	1.92	92.3	1.68	88.2	1.70	84.0	1.63
		17.8	105.6	2.22	99.8	2.04	94.4	1.85	92.3	1.71	88.2	1.70	84.0	1.59
		30.4	105.6	2.14	99.8	1.96	94.4	1.70	92.3	1.78	88.2	1.70	84.0	1.51
		38.0	105.6	2.14	99.8	1.96	94.4	1.78	92.3	1.60	88.2	1.51	84.0	1.51
		45.6	105.6	2.14	99.8	1.96	94.4	1.82	92.3	1.52	88.2	1.42	84.0	1.51

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	23	12.2	36.3	2.62	34.0	2.52	32.2	2.42	31.8	2.25	31.7	2.21	31.1	1.97
		17.8	38.2	2.71	35.8	2.60	33.9	2.50	33.5	2.32	33.4	2.28	32.7	2.04
		30.4	42.6	2.90	39.8	2.79	37.7	2.68	37.3	2.49	37.2	2.45	36.4	2.19
		38.0	47.0	3.13	44.0	3.01	41.7	2.89	41.2	2.69	41.1	2.65	40.2	2.36
		45.6	49.2	3.24	46.0	3.13	43.7	3.00	43.2	2.79	43.0	2.74	42.1	2.44
	32	12.2	64.9	3.83	59.8	3.70	55.8	3.54	54.7	3.29	53.9	3.25	52.0	2.90
		17.8	65.5	3.85	60.3	3.71	56.3	3.56	55.2	3.31	54.4	3.26	52.4	2.91
		30.4	66.8	3.89	61.5	3.74	57.5	3.60	56.3	3.34	55.5	3.29	53.4	2.93
		38.0	67.8	3.89	62.5	3.74	58.4	3.60	57.1	3.34	56.4	3.29	54.3	2.93
		45.6	68.3	3.89	63.0	3.74	58.8	3.60	57.6	3.34	56.8	3.29	54.7	2.93
	41	12.2	89.7	4.17	84.6	4.02	81.1	3.85	79.1	3.59	75.7	3.53	72.1	3.15
		17.8	90.0	4.20	84.8	4.05	81.1	3.88	79.1	3.62	75.7	3.56	72.1	3.17
		30.4	90.7	4.28	85.4	4.12	81.1	3.96	79.1	3.68	75.7	3.62	72.1	3.23
		38.0	90.7	4.31	85.3	4.15	81.1	3.98	79.1	3.71	75.7	3.64	72.1	3.25
		45.6	90.7	4.33	85.2	4.16	81.1	4.00	79.1	3.72	75.7	3.65	72.1	3.27
	50	12.2	90.2	3.84	84.9	3.67	81.1	3.49	79.1	3.26	75.7	3.20	72.1	2.87
		17.8	90.4	3.84	85.1	3.67	81.1	3.49	79.1	3.28	75.7	3.20	72.1	2.88
		30.4	90.7	3.84	85.4	3.67	81.1	3.49	79.1	3.31	75.7	3.19	72.1	2.90
		38.0	90.7	3.84	85.3	3.63	81.1	3.46	79.1	3.27	75.7	3.16	72.1	2.88
		45.6	90.7	3.85	85.2	3.61	81.1	3.44	79.1	3.25	75.7	3.15	72.1	2.86
	59	12.2	90.7	3.50	85.3	3.32	81.1	3.14	79.1	2.94	75.7	2.87	72.1	2.58
		17.8	90.7	3.46	85.3	3.29	81.1	3.11	79.1	2.94	75.7	2.84	72.1	2.58
		30.4	90.7	3.38	85.3	3.21	81.1	3.03	79.1	2.94	75.7	2.77	72.1	2.58
		38.0	90.7	3.38	85.3	3.12	81.1	2.94	79.1	2.85	75.7	2.67	72.1	2.50
		45.6	90.7	3.38	85.3	3.07	81.1	2.89	79.1	2.80	75.7	2.63	72.1	2.46
	68	12.2	90.7	3.06	85.3	2.87	81.1	2.70	79.1	2.60	75.7	2.52	72.1	2.34
		17.8	90.7	3.02	85.3	2.84	81.1	2.66	79.1	2.57	75.7	2.49	72.1	2.31
		30.4	90.7	2.94	85.3	2.77	81.1	2.58	79.1	2.50	75.7	2.41	72.1	2.23
		38.0	90.7	2.94	85.3	2.77	81.1	2.58	79.1	2.50	75.7	2.41	72.1	2.23
		45.6	90.7	2.94	85.3	2.77	81.1	2.58	79.1	2.50	75.7	2.41	72.1	2.23
	77	12.2	90.7	2.70	85.3	2.52	81.1	2.31	79.1	2.34	75.7	2.14	72.1	2.07
		17.8	90.7	2.66	85.3	2.49	81.1	2.31	79.1	2.31	75.7	2.14	72.1	2.04
		30.4	90.7	2.58	85.3	2.41	81.1	2.31	79.1	2.23	75.7	2.14	72.1	1.96
		38.0	90.7	2.58	85.3	2.41	81.1	2.23	79.1	2.23	75.7	2.14	72.1	1.96
		45.6	90.7	2.58	85.3	2.41	81.1	2.19	79.1	2.23	75.7	2.14	72.1	1.96
	86	12.2	90.7	2.43	85.3	2.25	81.1	2.16	79.1	2.07	75.7	1.99	72.1	1.89
		17.8	90.7	2.39	85.3	2.22	81.1	2.13	79.1	2.04	75.7	1.95	72.1	1.86
		30.4	90.7	2.31	85.3	2.14	81.1	2.05	79.1	1.96	75.7	1.87	72.1	1.78
		38.0	90.7	2.31	85.3	2.14	81.1	2.05	79.1	1.96	75.7	1.87	72.1	1.78
		45.6	90.7	2.31	85.3	2.14	81.1	2.05	79.1	1.96	75.7	1.87	72.1	1.78
	95	12.2	90.7	2.14	85.3	2.07	81.1	1.87	79.1	1.89	75.7	1.80	72.1	1.72
		17.8	90.7	2.14	85.3	2.04	81.1	1.87	79.1	1.86	75.7	1.77	72.1	1.68
		30.4	90.7	2.14	85.3	1.96	81.1	1.87	79.1	1.78	75.7	1.70	72.1	1.60
		38.0	90.7	2.14	85.3	1.96	81.1	1.78	79.1	1.78	75.7	1.70	72.1	1.60
		45.6	90.7	2.14	85.3	1.96	81.1	1.73	79.1	1.78	75.7	1.70	72.1	1.60
	104	12.2	90.7	1.96	85.3	1.89	81.1	1.70	79.1	1.72	75.7	1.63	72.1	1.51
		17.8	90.7	1.96	85.3	1.86	81.1	1.70	79.1	1.68	75.7	1.59	72.1	1.51
		30.4	90.7	1.96	85.3	1.78	81.1	1.70	79.1	1.60	75.7	1.51	72.1	1.51
		38.0	90.7	1.96	85.3	1.78	81.1	1.70	79.1	1.60	75.7	1.51	72.1	1.51
		45.6	90.7	1.96	85.3	1.78	81.1	1.70	79.1	1.60	75.7	1.51	72.1	1.51
	113	12.2	90.7	1.78	85.3	1.72	81.1	1.51	79.1	1.53	75.7	1.45	72.1	1.31
		17.8	90.7	1.78	85.3	1.68	81.1	1.51	79.1	1.50	75.7	1.42	72.1	1.35
		30.4	90.7	1.78	85.3	1.60	81.1	1.51	79.1	1.43	75.7	1.34	72.1	1.43
		38.0	90.7	1.78	85.3	1.60	81.1	1.60	79.1	1.43	75.7	1.34	72.1	1.43
		45.6	90.7	1.78	85.3	1.60	81.1	1.65	79.1	1.43	75.7	1.34	72.1	1.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM121DAS5

121,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	12.2	30.3	2.09	28.4	1.97	26.8	1.87	26.5	1.77	26.3	1.66	25.9	1.57
		17.8	31.8	2.15	29.9	2.04	28.2	1.93	27.9	1.83	27.7	1.72	27.3	1.62
		30.4	35.3	2.30	33.2	2.19	31.4	2.07	31.0	1.96	30.9	1.84	30.3	1.73
		38.0	39.1	2.49	36.7	2.36	34.7	2.23	34.3	2.12	34.0	1.98	33.5	1.87
		45.6	41.0	2.58	38.4	2.44	36.3	2.31	35.9	2.20	35.6	2.05	35.2	1.94
	32	12.2	53.9	3.05	49.9	2.90	46.4	2.73	45.4	2.59	44.8	2.44	43.2	2.30
		17.8	54.4	3.06	50.4	2.91	46.8	2.75	45.8	2.61	45.2	2.45	43.6	2.31
		30.4	55.5	3.09	51.4	2.93	47.8	2.78	46.8	2.64	46.2	2.47	44.5	2.33
		38.0	56.4	3.09	52.1	2.93	48.5	2.78	47.6	2.64	46.8	2.47	45.2	2.33
	41	12.2	74.6	3.32	70.7	3.15	67.4	2.97	65.8	2.83	62.9	2.65	60.0	2.49
		17.8	74.8	3.34	70.9	3.17	67.5	2.99	65.8	2.85	62.9	2.67	60.0	2.51
		30.4	75.3	3.40	71.3	3.23	67.6	3.05	65.8	2.89	62.9	2.71	60.0	2.56
		38.0	75.3	3.43	71.2	3.25	67.6	3.07	65.8	2.91	62.9	2.74	60.0	2.58
	50	12.2	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		17.8	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		30.4	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		38.0	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
	59	12.2	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		17.8	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		30.4	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		38.0	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
	68	12.2	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		17.8	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		30.4	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		38.0	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
	77	12.2	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		17.8	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		30.4	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		38.0	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
	86	12.2	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		17.8	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		30.4	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		38.0	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
	95	12.2	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		17.8	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		30.4	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		38.0	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
	104	12.2	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		17.8	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		30.4	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		38.0	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
	113	12.2	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		17.8	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		30.4	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59
		38.0	75.3	3.44	71.1	3.27	67.6	3.08	65.8	2.92	62.9	2.75	60.0	2.59

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

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Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	14.2	76.6	6.81	76.1	6.41	75.6	5.97	74.6	5.79	75.5	5.64	73.4	5.06
		17.8	79.3	6.93	78.7	6.54	78.2	6.10	77.2	5.92	78.1	5.76	76.0	5.17
		35.5	89.7	7.40	88.9	7.03	88.5	6.61	87.3	6.42	88.3	6.24	86.0	5.61
		44.4	99.2	7.87	98.3	7.51	97.7	7.13	96.4	6.94	97.7	6.74	95.1	6.04
	32	53.3	103.9	8.11	103.0	7.75	102.3	7.39	101.1	7.20	102.4	6.99	99.6	6.26
		14.2	136.9	9.31	133.8	9.04	130.9	8.74	128.1	8.50	128.5	8.26	122.7	7.40
		17.8	137.7	9.34	134.6	9.06	131.7	8.77	128.8	8.52	129.3	8.29	123.4	7.42
		35.5	141.1	9.44	137.6	9.15	134.7	8.87	131.9	8.62	132.3	8.38	126.4	7.51
	41	44.4	143.2	9.44	139.7	9.15	136.8	8.87	133.8	8.62	134.3	8.38	128.2	7.51
		53.3	144.2	9.44	140.8	9.15	137.9	8.87	134.8	8.62	135.3	8.38	129.2	7.51
		14.2	197.2	10.01	194.2	9.76	190.1	9.52	185.4	9.25	180.4	8.99	170.4	8.05
		17.8	197.9	10.06	194.6	9.81	190.2	9.56	185.4	9.29	180.4	9.04	170.4	8.09
	50	35.5	200.6	10.24	195.9	9.99	190.3	9.75	185.4	9.49	180.4	9.22	170.4	8.26
		44.4	201.8	10.30	196.5	10.06	190.3	9.82	185.4	9.55	180.4	9.28	170.4	8.32
		53.3	202.4	10.34	196.8	10.09	190.3	9.86	185.4	9.59	180.4	9.32	170.4	8.35
		14.2	197.4	9.11	194.2	8.80	189.6	8.64	184.6	8.45	179.7	8.16	169.8	7.36
	59	17.8	198.6	9.09	195.2	8.81	190.3	8.66	185.4	8.44	180.4	8.15	170.4	7.35
		35.5	203.3	9.03	198.8	8.85	193.3	8.72	188.4	8.43	183.1	8.13	173.2	7.33
		44.4	204.3	9.15	200.1	8.97	194.6	8.76	189.3	8.46	184.3	8.26	174.2	7.68
		53.3	204.9	9.21	200.8	9.03	195.2	8.77	189.7	8.48	184.9	8.33	174.7	7.86
	68	14.2	197.7	8.21	194.3	7.86	188.8	7.78	183.8	7.65	179.0	7.32	169.1	6.67
		17.8	199.4	8.13	195.8	7.83	190.3	7.76	185.4	7.59	180.4	7.27	170.4	6.61
		35.5	205.9	7.80	201.6	7.69	196.4	7.69	191.4	7.37	185.8	7.04	175.9	6.39
		44.4	206.9	7.99	203.6	7.87	198.8	7.69	193.3	7.37	188.4	7.24	178.0	7.04
	77	53.3	207.4	8.09	204.6	7.96	200.0	7.69	194.3	7.37	189.7	7.34	179.0	7.37
		14.2	205.3	7.53	201.5	7.18	196.2	7.02	190.8	6.80	185.2	6.65	174.2	6.44
		17.8	206.9	7.48	203.1	7.18	197.7	7.02	192.3	6.83	186.9	6.69	175.9	6.39
		35.5	213.4	7.27	209.6	7.15	203.7	7.00	198.3	6.94	193.3	6.87	182.3	6.18
	86	44.4	214.3	7.27	211.1	7.15	206.2	7.04	200.3	6.94	194.9	6.87	183.9	6.57
		53.3	214.7	7.27	211.9	7.15	207.4	7.06	201.3	6.94	195.6	6.87	184.6	6.77
		14.2	216.7	7.18	211.1	6.97	206.2	6.86	202.2	6.74	197.7	6.64	186.4	6.21
		17.8	216.7	7.15	211.1	6.96	206.2	6.83	202.2	6.72	197.7	6.61	186.4	6.18
	95	35.5	216.7	7.04	211.1	6.92	206.2	6.72	202.2	6.61	197.7	6.50	186.4	6.07
		44.4	216.7	6.94	211.1	6.74	206.2	6.61	202.2	6.50	197.7	6.39	186.4	5.96
		53.3	216.7	6.89	211.1	6.65	206.2	6.56	202.2	6.45	197.7	6.33	186.4	5.91
		14.2	216.7	7.00	211.1	6.65	206.2	6.59	202.2	6.42	197.7	6.35	186.4	5.91
	104	17.8	216.7	6.94	211.1	6.64	206.2	6.55	202.2	6.39	197.7	6.29	186.4	5.85
		35.5	216.7	6.72	211.1	6.59	206.2	6.39	202.2	6.29	197.7	6.07	186.4	5.64
		44.4	216.7	6.61	211.1	6.41	206.2	6.29	202.2	6.18	197.7	6.07	186.4	5.64
		53.3	216.7	6.56	211.1	6.32	206.2	6.24	202.2	6.12	197.7	6.07	186.4	5.64
	113	14.2	216.7	6.67	211.1	6.45	206.2	6.32	202.2	6.09	197.7	5.88	186.4	5.47
		17.8	216.7	6.61	211.1	6.41	206.2	6.29	202.2	6.07	197.7	5.85	186.4	5.42
		35.5	216.7	6.39	211.1	6.27	206.2	6.18	202.2	5.96	197.7	5.74	186.4	5.20
		44.4	216.7	6.39	211.1	6.20	206.2	6.07	202.2	5.85	197.7	5.64	186.4	5.20
	113	53.3	216.7	6.39	211.1	6.17	206.2	6.01	202.2	5.80	197.7	5.59	186.4	5.20
		14.2	216.7	6.44	211.1	6.24	206.2	6.12	202.2	5.91	197.7	5.70	186.4	5.14
		17.8	216.7	6.39	211.1	6.20	206.2	6.07	202.2	5.85	197.7	5.64	186.4	5.09
		35.5	216.7	6.18	211.1	6.04	206.2	5.85	202.2	5.64	197.7	5.42	186.4	4.88
	113	44.4	216.7	6.07	211.1	5.94	206.2	5.85	202.2	5.64	197.7	5.42	186.4	4.88
		53.3	216.7	6.01	211.1	5.89	206.2	5.85	202.2	5.64	197.7	5.42	186.4	4.88
		14.2	216.7	6.23	211.1	6.03	206.2	5.93	202.2	5.72	197.7	5.50	186.4	4.82
		17.8	216.7	6.18	211.1	5.99	206.2	5.85	202.2	5.64	197.7	5.42	186.4	4.76
	113	35.5	216.7	5.96	211.1	5.83	206.2	5.53	202.2	5.31	197.7	5.09	186.4	4.55
		44.4	216.7	5.74	211.1	5.68	206.2	5.64	202.2	5.42	197.7	5.20	186.4	4.55
	113	53.3	216.7	5.63	211.1	5.61	206.2	5.70	202.2	5.47	197.7	5.26	186.4	4.55

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM144DAS5

144,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	14.2	72.8	6.81	72.3	6.41	71.8	5.97	71.0	5.72	71.5	5.55	69.6	4.97
		17.8	75.3	6.93	74.7	6.54	74.3	6.10	73.4	5.84	74.0	5.67	72.0	5.08
		35.5	85.3	7.40	84.5	7.03	84.1	6.61	83.0	6.33	83.8	6.16	81.5	5.52
		44.4	94.2	7.87	93.4	7.51	92.8	7.13	91.8	6.84	92.5	6.64	90.0	5.94
		53.3	98.7	8.11	97.9	7.75	97.2	7.39	96.2	7.09	96.9	6.88	94.2	6.16
	32	14.2	130.2	9.31	127.0	9.04	124.3	8.74	121.8	8.37	121.8	8.14	116.2	7.28
		17.8	131.0	9.34	127.8	9.06	125.1	8.77	122.5	8.40	122.5	8.16	116.9	7.30
		35.5	134.0	9.44	130.8	9.15	128.1	8.87	125.4	8.50	125.4	8.25	119.8	7.39
		44.4	136.1	9.44	132.9	9.15	130.1	8.87	127.3	8.50	127.2	8.25	121.6	7.39
		53.3	137.1	9.44	134.0	9.15	131.0	8.87	128.3	8.50	128.1	8.25	122.5	7.39
	41	14.2	187.7	10.01	184.9	9.76	180.8	9.52	176.5	9.11	170.9	8.86	161.5	7.93
		17.8	188.4	10.06	185.2	9.81	180.8	9.56	176.5	9.16	170.9	8.90	161.5	7.97
		35.5	191.1	10.24	186.6	9.99	180.8	9.75	176.5	9.35	170.9	9.08	161.5	8.13
		44.4	192.1	10.30	185.5	10.06	180.8	9.82	176.5	9.42	170.9	9.15	161.5	8.18
		53.3	192.7	10.34	185.0	10.09	180.8	9.86	176.5	9.45	170.9	9.18	161.5	8.21
	50	14.2	188.4	8.99	184.9	8.74	180.3	8.57	176.0	8.31	170.4	8.03	161.1	7.22
		17.8	189.3	9.03	185.7	8.78	180.8	8.60	176.5	8.32	170.9	8.03	161.5	7.23
		35.5	192.7	9.15	188.7	8.91	182.8	8.72	178.4	8.36	172.7	8.01	163.2	7.27
		44.4	193.8	9.12	188.1	8.91	183.5	8.76	179.2	8.40	173.5	8.04	164.0	7.51
		53.3	194.3	9.10	187.8	8.91	183.9	8.77	179.6	8.41	173.8	8.06	164.3	7.64
	59	14.2	188.9	7.98	185.1	7.74	179.8	7.62	175.5	7.51	170.0	7.21	160.7	6.53
		17.8	190.0	7.99	186.3	7.76	180.8	7.64	176.5	7.48	170.9	7.15	161.5	6.50
		35.5	194.4	8.06	190.8	7.83	184.9	7.69	180.4	7.37	174.4	6.94	165.0	6.39
		44.4	195.5	7.94	190.6	7.76	186.4	7.69	181.9	7.37	175.9	6.94	166.5	6.83
		53.3	196.0	7.88	190.6	7.72	187.2	7.69	182.7	7.37	176.6	6.94	167.3	7.05
	68	14.2	194.2	7.18	190.5	6.87	184.8	6.69	179.7	6.59	173.9	6.51	164.5	6.18
		17.8	195.5	7.18	191.7	6.90	185.8	6.72	180.8	6.61	175.0	6.50	165.5	6.16
		35.5	200.4	7.18	196.2	7.00	189.9	6.83	185.4	6.72	179.3	6.48	169.4	6.07
		44.4	201.3	7.11	196.1	6.94	191.4	6.83	186.4	6.72	180.4	6.50	170.4	6.29
		53.3	201.8	7.07	196.0	6.91	192.1	6.83	186.9	6.72	180.9	6.51	171.0	6.40
	77	14.2	203.6	6.79	197.7	6.47	191.4	6.35	187.3	6.21	182.3	6.09	172.4	5.67
		17.8	203.7	6.76	197.7	6.46	191.4	6.33	187.3	6.18	182.3	6.07	172.4	5.64
		35.5	204.2	6.66	197.7	6.41	191.4	6.29	187.3	6.07	182.3	5.96	172.4	5.53
		44.4	204.8	6.41	197.7	6.24	191.4	6.18	187.3	6.07	182.3	5.85	172.4	5.53
		53.3	205.1	6.29	197.7	6.16	191.4	6.12	187.3	6.07	182.3	5.80	172.4	5.53
	86	14.2	204.8	6.49	197.7	6.17	191.4	5.99	187.3	5.77	182.3	5.70	172.4	5.23
		17.8	204.8	6.44	197.7	6.13	191.4	5.96	187.3	5.74	182.3	5.64	172.4	5.20
		35.5	204.8	6.22	197.7	5.99	191.4	5.85	187.3	5.64	182.3	5.42	172.4	5.09
		44.4	204.8	6.02	197.7	5.85	191.4	5.74	187.3	5.64	182.3	5.42	172.4	4.99
		53.3	204.8	5.92	197.7	5.78	191.4	5.68	187.3	5.64	182.3	5.42	172.4	4.94
	95	14.2	204.8	6.20	197.7	5.86	191.4	5.70	187.3	5.47	182.3	5.26	172.4	4.79
		17.8	204.8	6.11	197.7	5.81	191.4	5.64	187.3	5.42	182.3	5.20	172.4	4.76
		35.5	204.8	5.76	197.7	5.59	191.4	5.42	187.3	5.20	182.3	4.99	172.4	4.66
		44.4	204.8	5.70	197.7	5.55	191.4	5.42	187.3	5.20	182.3	4.99	172.4	4.55
		53.3	204.8	5.66	197.7	5.53	191.4	5.42	187.3	5.20	182.3	4.99	172.4	4.50
	104	14.2	204.8	6.01	197.7	5.59	191.4	5.37	187.3	5.14	182.3	4.93	172.4	4.47
		17.8	204.8	5.90	197.7	5.53	191.4	5.31	187.3	5.09	182.3	4.88	172.4	4.44
		35.5	204.8	5.44	197.7	5.27	191.4	5.09	187.3	4.88	182.3	4.66	172.4	4.34
		44.4	204.8	5.37	197.7	5.20	191.4	5.09	187.3	4.88	182.3	4.66	172.4	4.23
		53.3	204.8	5.34	197.7	5.17	191.4	5.09	187.3	4.88	182.3	4.66	172.4	4.17
113	14.2	204.8	5.83	197.7	5.32	191.4	5.05	187.3	4.82	182.3	4.61	172.4	4.14	
	17.8	204.8	5.68	197.7	5.25	191.4	4.99	187.3	4.76	182.3	4.55	172.4	4.11	
	35.5	204.8	5.11	197.7	4.94	191.4	4.76	187.3	4.55	182.3	4.34	172.4	4.01	
	44.4	204.8	5.05	197.7	4.85	191.4	4.76	187.3	4.55	182.3	4.34	172.4	3.90	
	53.3	204.8	5.01	197.7	4.81	191.4	4.76	187.3	4.55	182.3	4.34	172.4	3.85	

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	14.2	68.9	6.90	68.5	6.41	68.0	5.97	67.3	5.72	67.5	5.55	66.0	4.97
		17.8	71.3	7.02	70.8	6.54	70.4	6.10	69.6	5.84	69.8	5.67	68.3	5.08
		35.5	80.6	7.49	80.2	7.03	79.7	6.61	78.8	6.33	78.8	6.16	77.3	5.52
		44.4	89.1	7.97	88.5	7.51	88.0	7.13	87.1	6.84	87.1	6.64	85.3	5.94
		53.3	93.3	8.21	92.6	7.75	92.2	7.39	91.3	7.09	91.3	6.88	89.3	6.16
	32	14.2	123.2	9.44	120.4	9.04	117.9	8.74	115.7	8.37	114.6	8.14	110.3	7.28
		17.8	123.9	9.46	121.2	9.06	118.6	8.77	116.3	8.40	115.3	8.16	110.9	7.30
		35.5	126.7	9.55	124.0	9.15	121.3	8.87	119.1	8.50	118.0	8.25	113.5	7.39
		44.4	128.7	9.55	126.0	9.15	123.3	8.87	120.9	8.50	119.8	8.25	115.1	7.39
		53.3	129.7	9.55	127.0	9.15	124.3	8.87	121.8	8.50	120.7	8.25	116.0	7.39
	41	14.2	179.6	10.15	175.4	9.76	171.3	9.52	167.4	9.11	160.9	8.86	153.1	7.93
		17.8	180.2	10.19	175.7	9.81	171.3	9.56	167.4	9.16	160.9	8.90	153.1	7.97
		35.5	182.6	10.37	177.1	9.99	171.5	9.75	167.4	9.35	160.9	9.08	153.1	8.13
		44.4	183.7	10.44	177.5	10.06	171.5	9.82	167.4	9.42	160.9	9.15	153.1	8.18
		53.3	184.2	10.47	177.7	10.09	171.5	9.86	167.4	9.45	160.9	9.18	153.1	8.21
	50	14.2	180.3	9.10	175.9	8.79	171.1	8.60	167.2	8.31	160.7	8.03	152.9	7.22
		17.8	181.0	9.12	176.3	8.81	171.3	8.62	167.4	8.32	160.9	8.03	153.1	7.23
		35.5	183.7	9.18	178.1	8.91	172.4	8.72	168.5	8.36	162.0	8.01	153.9	7.27
		44.4	184.8	9.18	178.9	8.91	173.0	8.70	168.8	8.34	162.3	8.04	154.3	7.34
		53.3	185.3	9.18	179.3	8.91	173.3	8.69	168.9	8.33	162.5	8.06	154.5	7.38
	59	14.2	180.8	8.05	176.1	7.83	171.0	7.69	166.9	7.51	160.4	7.21	152.7	6.53
		17.8	181.6	8.04	176.8	7.83	171.5	7.69	167.4	7.48	160.9	7.15	153.1	6.50
		35.5	184.6	7.99	179.3	7.83	173.5	7.69	169.4	7.37	163.1	6.94	154.6	6.39
		44.4	185.7	7.94	180.2	7.76	174.4	7.59	170.0	7.27	163.5	6.94	155.5	6.50
		53.3	186.2	7.91	180.7	7.72	174.8	7.54	170.3	7.21	163.7	6.94	156.0	6.56
	68	14.2	184.2	6.95	179.2	6.78	173.4	6.61	168.7	6.50	162.6	6.32	154.0	5.91
		17.8	185.2	6.96	179.8	6.78	173.9	6.61	169.4	6.50	163.1	6.29	154.6	5.90
		35.5	189.1	7.02	182.2	6.78	175.9	6.61	171.9	6.50	165.0	6.18	157.0	5.85
		44.4	190.2	7.02	183.7	6.78	176.9	6.61	172.4	6.39	165.9	6.18	157.5	5.85
		53.3	190.7	7.02	184.5	6.78	177.5	6.61	172.6	6.33	166.4	6.18	157.7	5.85
	77	14.2	190.0	6.32	184.3	6.09	176.9	5.99	173.0	5.77	167.0	5.56	158.1	5.09
		17.8	190.3	6.31	184.3	6.07	176.9	5.96	173.0	5.74	167.0	5.53	158.1	5.09
		35.5	191.8	6.27	184.3	5.96	176.9	5.85	173.0	5.64	167.0	5.42	158.1	5.09
		44.4	192.7	6.27	184.3	5.99	176.9	5.74	173.0	5.64	167.0	5.31	158.1	4.99
		53.3	193.2	6.27	184.3	6.00	176.9	5.68	173.0	5.64	167.0	5.26	158.1	4.94
	86	14.2	192.7	5.77	184.3	5.56	176.9	5.34	173.0	5.23	167.0	4.91	158.1	4.58
		17.8	192.7	5.74	184.3	5.53	176.9	5.31	173.0	5.20	167.0	4.88	158.1	4.55
		35.5	192.7	5.64	184.3	5.42	176.9	5.20	173.0	5.09	167.0	4.76	158.1	4.44
		44.4	192.7	5.59	184.3	5.31	176.9	5.09	173.0	4.99	167.0	4.76	158.1	4.44
		53.3	192.7	5.57	184.3	5.26	176.9	5.03	173.0	4.94	167.0	4.76	158.1	4.44
	95	14.2	192.7	5.47	184.3	5.12	176.9	4.91	173.0	4.69	167.0	4.47	158.1	4.14
		17.8	192.7	5.42	184.3	5.09	176.9	4.88	173.0	4.66	167.0	4.44	158.1	4.11
		35.5	192.7	5.20	184.3	4.99	176.9	4.76	173.0	4.55	167.0	4.34	158.1	4.01
		44.4	192.7	5.07	184.3	4.88	176.9	4.66	173.0	4.55	167.0	4.34	158.1	4.01
		53.3	192.7	5.00	184.3	4.82	176.9	4.61	173.0	4.55	167.0	4.34	158.1	4.01
	104	14.2	192.7	5.14	184.3	4.93	176.9	4.61	173.0	4.37	167.0	4.14	158.1	3.82
		17.8	192.7	5.09	184.3	4.88	176.9	4.55	173.0	4.34	167.0	4.11	158.1	3.79
		35.5	192.7	4.88	184.3	4.66	176.9	4.34	173.0	4.23	167.0	4.01	158.1	3.69
		44.4	192.7	4.81	184.3	4.55	176.9	4.34	173.0	4.11	167.0	3.90	158.1	3.58
		53.3	192.7	4.78	184.3	4.50	176.9	4.34	173.0	4.06	167.0	3.85	158.1	3.52
	113	14.2	192.7	4.82	184.3	4.75	176.9	4.31	173.0	4.04	167.0	3.82	158.1	3.49
		17.8	192.7	4.76	184.3	4.66	176.9	4.23	173.0	4.01	167.0	3.79	158.1	3.46
		35.5	192.7	4.55	184.3	4.34	176.9	3.90	173.0	3.90	167.0	3.69	158.1	3.36
		44.4	192.7	4.55	184.3	4.23	176.9	4.01	173.0	3.69	167.0	3.46	158.1	3.14
		53.3	192.7	4.55	184.3	4.17	176.9	4.07	173.0	3.58	167.0	3.35	158.1	3.03

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM144DAS5

144,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	23	14.2	65.1	6.90	64.7	6.50	64.4	5.97	63.8	5.72	63.2	5.46	62.0	4.97
		17.8	67.4	7.02	66.9	6.63	66.6	6.10	66.0	5.84	65.4	5.58	64.2	5.08
		35.5	76.3	7.49	75.8	7.12	75.3	6.61	74.6	6.33	74.0	6.07	72.8	5.52
		44.4	84.2	7.97	83.6	7.61	83.2	7.13	82.4	6.84	81.8	6.54	80.3	5.94
		53.3	88.3	8.21	87.6	7.86	87.1	7.39	86.4	7.09	85.8	6.77	84.1	6.16
	32	14.2	116.4	9.44	113.8	9.16	111.5	8.74	109.5	8.37	107.6	8.02	103.8	7.28
		17.8	117.1	9.46	114.5	9.18	112.1	8.77	110.2	8.40	108.2	8.04	104.4	7.30
		35.5	119.8	9.55	117.2	9.27	114.7	8.87	112.7	8.50	110.8	8.13	106.8	7.39
		44.4	121.6	9.55	119.1	9.27	116.5	8.87	114.4	8.50	112.4	8.13	108.5	7.39
		53.3	122.5	9.55	120.0	9.27	117.4	8.87	115.2	8.50	113.3	8.13	109.3	7.39
	41	14.2	171.8	10.15	166.1	9.90	161.8	9.52	158.5	9.11	151.0	8.72	144.1	7.93
		17.8	172.4	10.19	166.4	9.94	161.8	9.56	158.5	9.16	151.0	8.77	144.1	7.97
		35.5	174.8	10.37	167.6	10.12	162.0	9.75	158.5	9.35	151.0	8.95	144.1	8.13
		44.4	175.9	10.44	168.0	10.19	162.0	9.82	158.5	9.42	151.0	9.00	144.1	8.18
		53.3	176.4	10.47	168.3	10.23	162.0	9.86	158.5	9.45	151.0	9.03	144.1	8.21
	50	14.2	172.7	9.07	166.6	8.87	162.0	8.60	158.5	8.31	151.0	7.90	144.1	7.22
		17.8	173.2	9.12	166.8	8.90	162.0	8.62	158.5	8.32	151.0	7.90	144.1	7.23
		35.5	174.8	9.28	167.7	9.01	162.0	8.72	158.5	8.36	151.0	7.94	144.1	7.27
		44.4	176.0	9.25	168.5	9.01	162.0	8.70	158.5	8.34	151.0	7.92	144.1	7.23
		53.3	176.6	9.23	168.9	9.01	162.0	8.69	158.5	8.33	151.0	7.90	144.1	7.21
	59	14.2	173.7	8.00	167.3	7.86	162.0	7.69	158.5	7.51	151.0	7.07	144.1	6.53
		17.8	173.9	8.04	167.4	7.87	162.0	7.69	158.5	7.48	151.0	7.04	144.1	6.50
		35.5	174.8	8.20	167.9	7.89	162.0	7.69	158.5	7.37	151.0	6.94	144.1	6.39
		44.4	176.3	8.06	168.8	7.83	162.0	7.59	158.5	7.27	151.0	6.83	144.1	6.29
		53.3	177.1	7.99	169.2	7.79	162.0	7.54	158.5	7.21	151.0	6.77	144.1	6.24
	68	14.2	174.6	6.84	168.2	6.67	162.0	6.50	158.5	6.42	151.0	5.99	144.1	5.70
		17.8	175.3	6.87	168.3	6.67	162.0	6.50	158.5	6.39	151.0	5.96	144.1	5.64
		35.5	177.8	7.00	168.8	6.69	162.0	6.50	158.5	6.29	151.0	5.85	144.1	5.42
		44.4	178.9	6.87	170.3	6.64	162.0	6.39	158.5	6.18	151.0	5.74	144.1	5.31
		53.3	179.4	6.81	171.0	6.61	162.0	6.33	158.5	6.12	151.0	5.68	144.1	5.26
	77	14.2	176.7	5.98	170.9	5.79	162.0	5.56	158.5	5.34	151.0	5.02	144.1	4.55
		17.8	177.4	5.99	170.9	5.76	162.0	5.53	158.5	5.31	151.0	4.99	144.1	4.55
		35.5	179.9	6.01	170.9	5.64	162.0	5.42	158.5	5.20	151.0	4.88	144.1	4.55
		44.4	180.8	5.87	170.9	5.59	162.0	5.31	158.5	5.09	151.0	4.88	144.1	4.44
		53.3	181.3	5.81	170.9	5.57	162.0	5.26	158.5	5.03	151.0	4.88	144.1	4.38
	86	14.2	180.8	5.44	170.9	5.02	162.0	4.68	158.5	4.58	151.0	4.23	144.1	4.04
		17.8	180.8	5.42	170.9	4.99	162.0	4.66	158.5	4.55	151.0	4.23	144.1	4.01
		35.5	180.8	5.31	170.9	4.88	162.0	4.62	158.5	4.44	151.0	4.23	144.1	3.90
		44.4	180.8	5.20	170.9	4.88	162.0	4.55	158.5	4.44	151.0	4.11	144.1	3.90
		53.3	180.8	5.15	170.9	4.88	162.0	4.52	158.5	4.44	151.0	4.06	144.1	3.90
	95	14.2	180.8	5.05	170.9	4.61	162.0	4.13	158.5	4.04	151.0	3.82	144.1	3.49
		17.8	180.8	4.99	170.9	4.55	162.0	4.11	158.5	4.01	151.0	3.79	144.1	3.46
		35.5	180.8	4.76	170.9	4.34	162.0	4.07	158.5	3.90	151.0	3.69	144.1	3.36
		44.4	180.8	4.76	170.9	4.34	162.0	4.01	158.5	3.90	151.0	3.69	144.1	3.36
		53.3	180.8	4.76	170.9	4.34	162.0	3.99	158.5	3.90	151.0	3.69	144.1	3.36
	104	14.2	180.8	4.72	170.9	4.28	162.0	3.70	158.5	3.60	151.0	3.39	144.1	3.16
		17.8	180.8	4.66	170.9	4.23	162.0	3.69	158.5	3.58	151.0	3.36	144.1	3.14
		35.5	180.8	4.44	170.9	4.01	162.0	3.64	158.5	3.46	151.0	3.25	144.1	3.04
		44.4	180.8	4.34	170.9	4.01	162.0	3.58	158.5	3.46	151.0	3.25	144.1	3.04
		53.3	180.8	4.29	170.9	4.01	162.0	3.54	158.5	3.46	151.0	3.25	144.1	3.04
	113	14.2	180.8	4.40	170.9	3.96	162.0	3.26	158.5	3.16	151.0	2.95	144.1	2.84
		17.8	180.8	4.34	170.9	3.90	162.0	3.25	158.5	3.14	151.0	2.93	144.1	2.81
		35.5	180.8	4.11	170.9	3.69	162.0	3.21	158.5	3.04	151.0	2.81	144.1	2.71
		44.4	180.8	3.90	170.9	3.69	162.0	3.14	158.5	3.04	151.0	2.81	144.1	2.71
		53.3	180.8	3.79	170.9	3.69	162.0	3.11	158.5	3.04	151.0	2.81	144.1	2.71

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

### 144,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	14.2	61.5	6.40	59.6	5.83	57.8	5.12	57.4	4.88	56.9	4.71	56.0	4.22
		17.8	63.6	6.51	61.6	5.94	59.8	5.24	59.4	4.99	58.9	4.81	57.9	4.32
		35.5	72.0	6.95	69.8	6.38	67.7	5.68	67.2	5.42	66.8	5.22	65.4	4.69
		44.4	79.6	7.39	77.0	6.83	74.7	6.13	74.1	5.84	73.7	5.63	72.3	5.06
		53.3	83.4	7.61	80.7	7.05	78.3	6.36	77.6	6.06	77.2	5.83	75.8	5.24
	32	14.2	110.0	8.72	104.9	8.18	100.1	7.51	98.6	7.17	96.9	6.90	93.3	6.19
		17.8	110.6	8.75	105.5	8.21	100.7	7.53	99.2	7.19	97.5	6.92	93.9	6.21
		35.5	113.2	8.83	107.9	8.30	103.1	7.61	101.4	7.27	99.8	7.00	96.1	6.28
		44.4	114.8	8.83	109.6	8.30	104.7	7.61	102.9	7.27	101.4	7.00	97.7	6.28
		53.3	115.7	8.83	110.4	8.30	105.6	7.61	103.7	7.27	102.3	7.00	98.4	6.28
	41	14.2	155.4	9.36	150.4	8.84	145.6	8.18	142.6	7.80	136.2	7.51	129.8	6.74
		17.8	155.5	9.41	150.2	8.88	145.6	8.22	142.6	7.84	136.2	7.55	129.8	6.77
		35.5	156.1	9.57	149.8	9.05	145.6	8.38	142.6	7.99	136.2	7.70	129.8	6.91
		44.4	157.0	9.63	150.2	9.10	145.6	8.44	142.6	8.05	136.2	7.76	129.8	6.96
		53.3	157.5	9.66	150.5	9.13	145.6	8.48	142.6	8.08	136.2	7.79	129.8	6.99
	50	14.2	156.2	8.27	150.9	7.86	145.6	7.40	142.6	7.10	136.2	6.81	129.8	6.14
		17.8	156.1	8.27	150.7	7.87	145.6	7.41	142.6	7.11	136.2	6.81	129.8	6.14
		35.5	155.8	8.30	149.9	7.90	145.6	7.44	142.6	7.14	136.2	6.78	129.8	6.17
		44.4	156.9	8.27	150.4	7.88	145.6	7.42	142.6	7.12	136.2	6.81	129.8	6.19
		53.3	157.4	8.26	150.6	7.87	145.6	7.41	142.6	7.11	136.2	6.82	129.8	6.20
	59	14.2	157.0	7.16	151.4	6.90	145.6	6.64	142.6	6.42	136.2	6.12	129.8	5.56
		17.8	156.7	7.13	151.1	6.87	145.6	6.61	142.6	6.39	136.2	6.07	129.8	5.53
		35.5	155.7	7.02	150.1	6.76	145.6	6.50	142.6	6.29	136.2	5.85	129.8	5.42
		44.4	156.7	6.92	150.5	6.66	145.6	6.39	142.6	6.18	136.2	5.85	129.8	5.42
		53.3	157.3	6.87	150.8	6.61	145.6	6.33	142.6	6.12	136.2	5.85	129.8	5.42
	68	14.2	157.9	6.04	152.1	5.87	145.6	5.67	142.6	5.44	136.2	5.26	129.8	4.93
		17.8	157.8	6.04	151.8	5.85	145.6	5.64	142.6	5.42	136.2	5.20	129.8	4.88
		35.5	157.2	6.04	150.5	5.79	145.6	5.53	142.6	5.31	136.2	4.99	129.8	4.66
		44.4	157.6	5.94	151.0	5.74	145.6	5.53	142.6	5.31	136.2	4.99	129.8	4.66
		53.3	157.9	5.89	151.2	5.72	145.6	5.53	142.6	5.31	136.2	4.99	129.8	4.66
	77	14.2	160.6	5.28	154.0	5.00	145.6	4.79	142.6	4.55	136.2	4.37	129.8	4.04
		17.8	160.9	5.27	154.0	4.99	145.6	4.76	142.6	4.55	136.2	4.34	129.8	4.01
		35.5	162.5	5.22	154.0	4.94	145.6	4.66	142.6	4.55	136.2	4.23	129.8	3.90
		44.4	163.1	5.09	154.0	4.83	145.6	4.66	142.6	4.44	136.2	4.23	129.8	3.90
		53.3	163.4	5.02	154.0	4.78	145.6	4.66	142.6	4.38	136.2	4.23	129.8	3.90
	86	14.2	163.1	4.79	154.0	4.47	145.6	4.14	142.6	4.04	136.2	3.82	129.8	3.46
		17.8	163.1	4.76	154.0	4.44	145.6	4.11	142.6	4.01	136.2	3.79	129.8	3.46
		35.5	163.1	4.66	154.0	4.34	145.6	4.01	142.6	3.90	136.2	3.69	129.8	3.46
		44.4	163.1	4.55	154.0	4.23	145.6	4.01	142.6	3.90	136.2	3.69	129.8	3.36
		53.3	163.1	4.50	154.0	4.17	145.6	4.01	142.6	3.90	136.2	3.69	129.8	3.31
	95	14.2	163.1	4.37	154.0	4.04	145.6	3.72	142.6	3.60	136.2	3.39	129.8	3.16
		17.8	163.1	4.34	154.0	4.01	145.6	3.69	142.6	3.58	136.2	3.36	129.8	3.14
		35.5	163.1	4.23	154.0	3.90	145.6	3.58	142.6	3.46	136.2	3.25	129.8	3.04
		44.4	163.1	4.11	154.0	3.79	145.6	3.46	142.6	3.36	136.2	3.25	129.8	3.04
		53.3	163.1	4.06	154.0	3.73	145.6	3.41	142.6	3.31	136.2	3.25	129.8	3.04
	104	14.2	163.1	4.07	154.0	3.72	145.6	3.28	142.6	3.16	136.2	3.07	129.8	2.84
		17.8	163.1	4.01	154.0	3.69	145.6	3.25	142.6	3.14	136.2	3.04	129.8	2.81
		35.5	163.1	3.79	154.0	3.58	145.6	3.14	142.6	3.04	136.2	2.93	129.8	2.71
		44.4	163.1	3.79	154.0	3.58	145.6	3.14	142.6	3.04	136.2	2.93	129.8	2.71
		53.3	163.1	3.79	154.0	3.58	145.6	3.14	142.6	3.04	136.2	2.93	129.8	2.71
	113	14.2	163.1	3.77	154.0	3.39	145.6	2.84	142.6	2.74	136.2	2.74	129.8	2.51
		17.8	163.1	3.69	154.0	3.36	145.6	2.81	142.6	2.71	136.2	2.71	129.8	2.49
		35.5	163.1	3.36	154.0	3.25	145.6	2.71	142.6	2.60	136.2	2.60	129.8	2.39
		44.4	163.1	3.46	154.0	3.36	145.6	2.81	142.6	2.71	136.2	2.60	129.8	2.39
		53.3	163.1	3.52	154.0	3.42	145.6	2.86	142.6	2.77	136.2	2.60	129.8	2.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM144DAS5

144,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	14.2	58.1	4.56	54.5	4.39	51.6	4.20	51.0	4.06	50.7	3.87	49.7	3.57
		17.8	60.1	4.66	56.4	4.48	53.3	4.29	52.7	4.15	52.4	3.96	51.4	3.64
		35.5	68.0	5.07	63.7	4.87	60.3	4.65	59.7	4.50	59.4	4.29	58.2	3.95
		44.4	75.2	5.46	70.4	5.25	66.6	5.02	65.9	4.85	65.6	4.63	64.2	4.26
		53.3	78.8	5.66	73.7	5.44	69.8	5.21	69.0	5.04	68.7	4.80	67.2	4.42
	32	14.2	103.8	6.70	95.7	6.43	89.1	6.16	87.5	5.95	86.3	5.67	83.0	5.22
		17.8	104.4	6.72	96.3	6.45	89.7	6.18	88.0	5.96	86.8	5.68	83.5	5.24
		35.5	107.0	6.79	98.6	6.53	91.8	6.24	90.1	6.03	88.9	5.75	85.4	5.29
		44.4	108.5	6.79	100.1	6.53	93.3	6.24	91.5	6.03	90.3	5.75	86.8	5.29
		53.3	109.3	6.79	100.8	6.53	94.0	6.24	92.2	6.03	91.0	5.75	87.5	5.29
	41	14.2	143.6	7.28	135.5	7.01	129.6	6.69	126.7	6.47	121.3	6.17	115.3	5.68
		17.8	143.9	7.32	135.8	7.04	129.6	6.73	126.7	6.50	121.3	6.20	115.3	5.71
		35.5	145.1	7.48	136.8	7.18	129.8	6.87	126.7	6.64	121.3	6.32	115.3	5.83
		44.4	145.1	7.52	136.7	7.23	129.8	6.92	126.7	6.68	121.3	6.37	115.3	5.86
		53.3	145.1	7.55	136.6	7.26	129.8	6.94	126.7	6.70	121.3	6.39	115.3	5.88
	50	14.2	144.4	6.70	136.1	6.40	129.6	6.07	126.7	5.91	121.3	5.59	115.3	5.18
		17.8	144.5	6.69	136.2	6.39	129.6	6.08	126.7	5.91	121.3	5.59	115.3	5.18
		35.5	145.1	6.66	136.8	6.36	129.8	6.09	126.7	5.92	121.3	5.61	115.3	5.19
		44.4	145.1	6.64	136.7	6.38	129.8	6.11	126.7	5.89	121.3	5.57	115.3	5.16
		53.3	145.1	6.63	136.6	6.39	129.8	6.12	126.7	5.87	121.3	5.56	115.3	5.14
	59	14.2	145.1	6.12	136.7	5.79	129.8	5.44	126.7	5.34	121.3	5.02	115.3	4.69
		17.8	145.1	6.07	136.7	5.74	129.8	5.42	126.7	5.31	121.3	4.99	115.3	4.66
		35.5	145.1	5.85	136.7	5.53	129.8	5.31	126.7	5.20	121.3	4.88	115.3	4.55
		44.4	145.1	5.74	136.7	5.53	129.8	5.31	126.7	5.09	121.3	4.76	115.3	4.44
		53.3	145.1	5.68	136.7	5.53	129.8	5.31	126.7	5.03	121.3	4.71	115.3	4.38
	68	14.2	145.1	5.12	136.7	4.91	129.8	4.66	126.7	4.58	121.3	4.37	115.3	4.04
		17.8	145.1	5.09	136.7	4.88	129.8	4.66	126.7	4.55	121.3	4.34	115.3	4.01
		35.5	145.1	4.99	136.7	4.76	129.8	4.66	126.7	4.44	121.3	4.23	115.3	3.90
		44.4	145.1	4.88	136.7	4.66	129.8	4.55	126.7	4.44	121.3	4.11	115.3	3.90
		53.3	145.1	4.82	136.7	4.61	129.8	4.50	126.7	4.44	121.3	4.06	115.3	3.90
	77	14.2	145.1	4.58	136.7	4.26	129.8	4.01	126.7	3.93	121.3	3.72	115.3	3.49
		17.8	145.1	4.55	136.7	4.23	129.8	4.01	126.7	3.90	121.3	3.69	115.3	3.46
		35.5	145.1	4.44	136.7	4.11	129.8	4.01	126.7	3.79	121.3	3.58	115.3	3.36
		44.4	145.1	4.34	136.7	4.11	129.8	3.90	126.7	3.79	121.3	3.58	115.3	3.36
		53.3	145.1	4.29	136.7	4.11	129.8	3.85	126.7	3.79	121.3	3.58	115.3	3.36
	86	14.2	145.1	4.04	136.7	3.82	129.8	3.60	126.7	3.49	121.3	3.28	115.3	3.07
		17.8	145.1	4.01	136.7	3.79	129.8	3.58	126.7	3.46	121.3	3.25	115.3	3.04
		35.5	145.1	3.90	136.7	3.69	129.8	3.46	126.7	3.36	121.3	3.14	115.3	2.93
		44.4	145.1	3.90	136.7	3.69	129.8	3.46	126.7	3.36	121.3	3.14	115.3	2.93
		53.3	145.1	3.90	136.7	3.69	129.8	3.46	126.7	3.36	121.3	3.14	115.3	2.93
	95	14.2	145.1	3.72	136.7	3.49	129.8	3.16	126.7	3.04	121.3	2.95	115.3	2.71
		17.8	145.1	3.69	136.7	3.46	129.8	3.14	126.7	3.04	121.3	2.93	115.3	2.71
		35.5	145.1	3.58	136.7	3.36	129.8	3.04	126.7	3.04	121.3	2.81	115.3	2.71
		44.4	145.1	3.58	136.7	3.25	129.8	3.04	126.7	2.93	121.3	2.81	115.3	2.60
		53.3	145.1	3.58	136.7	3.19	129.8	3.04	126.7	2.87	121.3	2.81	115.3	2.54
	104	14.2	145.1	3.52	136.7	3.16	129.8	2.81	126.7	2.84	121.3	2.60	115.3	2.51
		17.8	145.1	3.46	136.7	3.14	129.8	2.81	126.7	2.81	121.3	2.60	115.3	2.49
		35.5	145.1	3.25	136.7	3.04	129.8	2.81	126.7	2.71	121.3	2.60	115.3	2.39
		44.4	145.1	3.25	136.7	3.04	129.8	2.71	126.7	2.71	121.3	2.60	115.3	2.39
		53.3	145.1	3.25	136.7	3.04	129.8	2.66	126.7	2.71	121.3	2.60	115.3	2.39
	113	14.2	145.1	3.33	136.7	2.84	129.8	2.46	126.7	2.65	121.3	2.25	115.3	2.33
		17.8	145.1	3.25	136.7	2.81	129.8	2.49	126.7	2.60	121.3	2.28	115.3	2.28
		35.5	145.1	2.93	136.7	2.71	129.8	2.60	126.7	2.39	121.3	2.39	115.3	2.06
		44.4	145.1	2.93	136.7	2.81	129.8	2.39	126.7	2.49	121.3	2.39	115.3	2.16
		53.3	145.1	2.93	136.7	2.86	129.8	2.28	126.7	2.54	121.3	2.39	115.3	2.21

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	14.2	50.7	3.92	47.6	3.73	45.0	3.61	44.6	3.40	44.3	3.28	43.6	2.98
		17.8	52.4	4.00	49.3	3.81	46.6	3.69	46.1	3.48	45.8	3.35	45.1	3.05
		35.5	59.4	4.34	55.8	4.14	52.6	4.00	52.1	3.77	51.8	3.63	50.9	3.31
		44.4	65.7	4.69	61.6	4.46	58.2	4.32	57.7	4.06	57.3	3.92	56.2	3.57
		53.3	68.9	4.86	64.6	4.63	61.0	4.47	60.5	4.21	60.0	4.07	58.9	3.70
	32	14.2	90.8	5.73	83.9	5.47	77.9	5.29	76.5	4.98	75.3	4.81	72.7	4.37
		17.8	91.3	5.75	84.4	5.48	78.4	5.30	77.0	4.99	75.8	4.82	73.1	4.38
		35.5	93.4	5.82	86.3	5.54	80.2	5.37	78.8	5.05	77.6	4.88	74.7	4.43
		44.4	94.8	5.82	87.7	5.54	81.4	5.37	80.0	5.05	78.8	4.88	76.0	4.43
		53.3	95.5	5.82	88.4	5.54	82.0	5.37	80.6	5.05	79.4	4.88	76.6	4.43
	41	14.2	125.4	6.25	118.8	5.94	113.1	5.75	110.8	5.42	105.8	5.23	100.8	4.75
		17.8	125.7	6.28	119.1	5.98	113.2	5.79	110.8	5.45	105.8	5.26	100.8	4.78
		35.5	126.7	6.40	120.0	6.10	113.3	5.91	110.8	5.55	105.8	5.37	100.8	4.88
		44.4	126.7	6.45	119.8	6.14	113.3	5.95	110.8	5.59	105.8	5.40	100.8	4.91
		53.3	126.7	6.47	119.7	6.17	113.3	5.98	110.8	5.62	105.8	5.42	100.8	4.93
	50	14.2	126.0	5.75	119.2	5.44	113.3	5.24	110.8	4.94	105.8	4.74	100.8	4.34
		17.8	126.1	5.74	119.4	5.43	113.3	5.22	110.8	4.94	105.8	4.74	100.8	4.34
		35.5	126.7	5.70	119.8	5.38	113.3	5.18	110.8	4.94	105.8	4.74	100.8	4.34
		44.4	126.7	5.72	119.8	5.40	113.3	5.20	110.8	4.97	105.8	4.71	100.8	4.35
		53.3	126.7	5.73	119.8	5.42	113.3	5.21	110.8	4.98	105.8	4.69	100.8	4.36
	59	14.2	126.7	5.26	119.8	4.93	113.3	4.72	110.8	4.47	105.8	4.26	100.8	3.93
		17.8	126.7	5.20	119.8	4.88	113.3	4.66	110.8	4.44	105.8	4.23	100.8	3.90
		35.5	126.7	4.99	119.8	4.66	113.3	4.44	110.8	4.34	105.8	4.11	100.8	3.79
		44.4	126.7	4.99	119.8	4.66	113.3	4.44	110.8	4.34	105.8	4.01	100.8	3.79
		53.3	126.7	4.99	119.8	4.66	113.3	4.44	110.8	4.34	105.8	3.96	100.8	3.79
	68	14.2	126.7	4.37	119.8	4.14	113.3	4.04	110.8	3.93	105.8	3.72	100.8	3.49
		17.8	126.7	4.34	119.8	4.11	113.3	4.01	110.8	3.90	105.8	3.69	100.8	3.46
		35.5	126.7	4.23	119.8	4.01	113.3	3.90	110.8	3.79	105.8	3.58	100.8	3.36
		44.4	126.7	4.23	119.8	4.01	113.3	3.90	110.8	3.69	105.8	3.58	100.8	3.25
		53.3	126.7	4.23	119.8	4.01	113.3	3.90	110.8	3.64	105.8	3.58	100.8	3.19
	77	14.2	126.7	3.93	119.8	3.72	113.3	3.49	110.8	3.39	105.8	3.14	100.8	2.93
		17.8	126.7	3.90	119.8	3.69	113.3	3.46	110.8	3.36	105.8	3.14	100.8	2.93
		35.5	126.7	3.79	119.8	3.58	113.3	3.36	110.8	3.25	105.8	3.14	100.8	2.93
		44.4	126.7	3.69	119.8	3.46	113.3	3.36	110.8	3.25	105.8	3.04	100.8	2.93
		53.3	126.7	3.64	119.8	3.41	113.3	3.36	110.8	3.25	105.8	2.99	100.8	2.93
	86	14.2	126.7	3.49	119.8	3.28	113.3	3.07	110.8	2.93	105.8	2.84	100.8	2.60
		17.8	126.7	3.46	119.8	3.25	113.3	3.04	110.8	2.93	105.8	2.81	100.8	2.60
		35.5	126.7	3.36	119.8	3.14	113.3	2.93	110.8	2.93	105.8	2.71	100.8	2.60
		44.4	126.7	3.36	119.8	3.14	113.3	2.93	110.8	2.81	105.8	2.71	100.8	2.60
		53.3	126.7	3.36	119.8	3.14	113.3	2.93	110.8	2.76	105.8	2.71	100.8	2.60
	95	14.2	126.7	3.16	119.8	2.95	113.3	2.71	110.8	2.74	105.8	2.49	100.8	2.42
		17.8	126.7	3.14	119.8	2.93	113.3	2.71	110.8	2.71	105.8	2.49	100.8	2.39
		35.5	126.7	3.04	119.8	2.81	113.3	2.71	110.8	2.60	105.8	2.49	100.8	2.28
		44.4	126.7	3.04	119.8	2.81	113.3	2.60	110.8	2.60	105.8	2.49	100.8	2.28
		53.3	126.7	3.04	119.8	2.81	113.3	2.54	110.8	2.60	105.8	2.49	100.8	2.28
	104	14.2	126.7	2.95	119.8	2.74	113.3	2.51	110.8	2.39	105.8	2.28	100.8	2.19
		17.8	126.7	2.93	119.8	2.71	113.3	2.49	110.8	2.39	105.8	2.28	100.8	2.16
		35.5	126.7	2.81	119.8	2.60	113.3	2.39	110.8	2.39	105.8	2.28	100.8	2.06
		44.4	126.7	2.81	119.8	2.60	113.3	2.39	110.8	2.28	105.8	2.16	100.8	2.06
		53.3	126.7	2.81	119.8	2.60	113.3	2.39	110.8	2.22	105.8	2.11	100.8	2.06
	113	14.2	126.7	2.74	119.8	2.51	113.3	2.33	110.8	2.04	105.8	2.06	100.8	1.98
		17.8	126.7	2.71	119.8	2.49	113.3	2.28	110.8	2.06	105.8	2.06	100.8	1.95
		35.5	126.7	2.60	119.8	2.39	113.3	2.06	110.8	2.16	105.8	2.06	100.8	1.84
		44.4	126.7	2.60	119.8	2.39	113.3	2.16	110.8	1.95	105.8	1.84	100.8	1.84
		53.3	126.7	2.60	119.8	2.39	113.3	2.21	110.8	1.84	105.8	1.73	100.8	1.84

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM144DAS5

144,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	23	14.2	43.5	3.18	40.8	3.06	38.6	2.94	38.2	2.73	38.0	2.69	37.3	2.40
		17.8	45.1	3.25	42.2	3.13	39.9	3.00	39.5	2.79	39.3	2.75	38.6	2.46
		35.5	51.1	3.53	47.8	3.40	45.2	3.26	44.8	3.03	44.6	2.98	43.7	2.67
		44.4	56.4	3.80	52.7	3.67	50.0	3.52	49.4	3.27	49.3	3.22	48.2	2.87
		53.3	59.0	3.94	55.3	3.80	52.5	3.65	51.8	3.40	51.6	3.34	50.5	2.97
	32	14.2	77.9	4.66	71.8	4.50	66.9	4.30	65.6	4.00	64.7	3.95	62.3	3.52
		17.8	78.4	4.68	72.2	4.51	67.4	4.32	66.0	4.01	65.1	3.96	62.7	3.53
		35.5	80.2	4.73	73.8	4.55	69.0	4.37	67.5	4.06	66.6	4.00	64.0	3.57
		44.4	81.4	4.73	75.0	4.55	70.1	4.37	68.6	4.06	67.7	4.00	65.1	3.57
		53.3	82.0	4.73	75.7	4.55	70.6	4.37	69.1	4.06	68.2	4.00	65.6	3.57
	41	14.2	107.7	5.08	101.5	4.89	97.4	4.68	94.9	4.36	90.9	4.29	86.5	3.83
		17.8	107.9	5.10	101.7	4.91	97.4	4.71	94.9	4.38	90.9	4.32	86.5	3.85
		35.5	108.8	5.20	102.5	5.01	97.4	4.81	94.9	4.47	90.9	4.41	86.5	3.92
		44.4	108.8	5.25	102.3	5.05	97.4	4.84	94.9	4.51	90.9	4.43	86.5	3.96
		53.3	108.8	5.27	102.2	5.06	97.4	4.86	94.9	4.52	90.9	4.44	86.5	3.97
	50	14.2	108.2	4.66	101.9	4.46	97.4	4.25	94.9	3.97	90.9	3.89	86.5	3.49
		17.8	108.4	4.66	102.0	4.46	97.4	4.25	94.9	3.98	90.9	3.89	86.5	3.50
		35.5	108.8	4.66	102.5	4.46	97.4	4.25	94.9	4.03	90.9	3.88	86.5	3.53
		44.4	108.8	4.68	102.3	4.42	97.4	4.20	94.9	3.98	90.9	3.85	86.5	3.50
		53.3	108.8	4.68	102.2	4.39	97.4	4.18	94.9	3.96	90.9	3.83	86.5	3.48
	59	14.2	108.8	4.26	102.3	4.04	97.4	3.82	94.9	3.58	90.9	3.49	86.5	3.14
		17.8	108.8	4.23	102.3	4.01	97.4	3.79	94.9	3.58	90.9	3.46	86.5	3.14
		35.5	108.8	4.11	102.3	3.90	97.4	3.69	94.9	3.58	90.9	3.36	86.5	3.14
		44.4	108.8	4.11	102.3	3.79	97.4	3.58	94.9	3.46	90.9	3.25	86.5	3.04
		53.3	108.8	4.11	102.3	3.73	97.4	3.52	94.9	3.41	90.9	3.19	86.5	2.99
	68	14.2	108.8	3.72	102.3	3.49	97.4	3.28	94.9	3.16	90.9	3.07	86.5	2.84
		17.8	108.8	3.69	102.3	3.46	97.4	3.25	94.9	3.14	90.9	3.04	86.5	2.81
		35.5	108.8	3.58	102.3	3.36	97.4	3.14	94.9	3.04	90.9	2.93	86.5	2.71
		44.4	108.8	3.58	102.3	3.36	97.4	3.14	94.9	3.04	90.9	2.93	86.5	2.71
		53.3	108.8	3.58	102.3	3.36	97.4	3.14	94.9	3.04	90.9	2.93	86.5	2.71
	77	14.2	108.8	3.28	102.3	3.07	97.4	2.81	94.9	2.84	90.9	2.60	86.5	2.51
		17.8	108.8	3.25	102.3	3.04	97.4	2.81	94.9	2.81	90.9	2.60	86.5	2.49
		35.5	108.8	3.14	102.3	2.93	97.4	2.81	94.9	2.71	90.9	2.60	86.5	2.39
		44.4	108.8	3.14	102.3	2.93	97.4	2.71	94.9	2.71	90.9	2.60	86.5	2.39
		53.3	108.8	3.14	102.3	2.93	97.4	2.66	94.9	2.71	90.9	2.60	86.5	2.39
	86	14.2	108.8	2.95	102.3	2.74	97.4	2.63	94.9	2.51	90.9	2.42	86.5	2.30
		17.8	108.8	2.93	102.3	2.71	97.4	2.60	94.9	2.49	90.9	2.39	86.5	2.28
		35.5	108.8	2.81	102.3	2.60	97.4	2.49	94.9	2.39	90.9	2.28	86.5	2.16
		44.4	108.8	2.81	102.3	2.60	97.4	2.49	94.9	2.39	90.9	2.28	86.5	2.16
		53.3	108.8	2.81	102.3	2.60	97.4	2.49	94.9	2.39	90.9	2.28	86.5	2.16
	95	14.2	108.8	2.60	102.3	2.51	97.4	2.28	94.9	2.30	90.9	2.19	86.5	2.09
		17.8	108.8	2.60	102.3	2.49	97.4	2.28	94.9	2.28	90.9	2.16	86.5	2.06
		35.5	108.8	2.60	102.3	2.39	97.4	2.28	94.9	2.16	90.9	2.06	86.5	1.95
		44.4	108.8	2.60	102.3	2.39	97.4	2.16	94.9	2.16	90.9	2.06	86.5	1.95
		53.3	108.8	2.60	102.3	2.39	97.4	2.11	94.9	2.16	90.9	2.06	86.5	1.95
	104	14.2	108.8	2.39	102.3	2.30	97.4	2.06	94.9	2.09	90.9	1.98	86.5	1.84
		17.8	108.8	2.39	102.3	2.28	97.4	2.06	94.9	2.06	90.9	1.95	86.5	1.84
		35.5	108.8	2.39	102.3	2.16	97.4	2.06	94.9	1.95	90.9	1.84	86.5	1.84
		44.4	108.8	2.39	102.3	2.16	97.4	2.06	94.9	1.95	90.9	1.84	86.5	1.84
		53.3	108.8	2.39	102.3	2.16	97.4	2.06	94.9	1.95	90.9	1.84	86.5	1.84
	113	14.2	108.8	2.16	102.3	2.09	97.4	1.84	94.9	1.86	90.9	1.77	86.5	1.60
		17.8	108.8	2.16	102.3	2.06	97.4	1.84	94.9	1.84	90.9	1.74	86.5	1.63
		35.5	108.8	2.16	102.3	1.95	97.4	1.84	94.9	1.74	90.9	1.63	86.5	1.74
		44.4	108.8	2.16	102.3	1.95	97.4	1.95	94.9	1.74	90.9	1.63	86.5	1.74
		53.3	108.8	2.16	102.3	1.95	97.4	2.01	94.9	1.74	90.9	1.63	86.5	1.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

### 144,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	14.2	36.3	2.54	34.1	2.40	32.2	2.27	31.7	2.15	31.6	2.02	31.0	1.91
		17.8	37.5	2.59	35.3	2.46	33.3	2.32	32.9	2.20	32.7	2.06	32.1	1.95
		35.5	42.3	2.80	39.8	2.67	37.7	2.51	37.2	2.39	37.1	2.24	36.3	2.11
		44.4	46.9	3.03	44.0	2.87	41.6	2.71	41.1	2.58	40.8	2.41	40.2	2.28
		53.3	49.1	3.14	46.1	2.97	43.6	2.81	43.1	2.67	42.7	2.50	42.2	2.36
	32	14.2	64.7	3.71	59.9	3.52	55.7	3.32	54.5	3.15	53.8	2.96	51.8	2.79
		17.8	65.1	3.72	60.3	3.53	56.1	3.33	54.9	3.16	54.1	2.97	52.1	2.80
		35.5	66.6	3.76	61.6	3.57	57.4	3.37	56.2	3.21	55.5	3.00	53.3	2.84
		44.4	67.7	3.76	62.5	3.57	58.2	3.37	57.1	3.21	56.2	3.00	54.3	2.84
	41	53.3	68.2	3.76	63.0	3.57	58.5	3.37	57.6	3.21	56.6	3.00	54.7	2.84
		14.2	89.5	4.04	84.8	3.83	80.9	3.61	79.0	3.44	75.5	3.23	72.0	3.03
		17.8	89.7	4.06	85.0	3.85	80.9	3.63	79.0	3.45	75.5	3.24	72.0	3.05
		35.5	90.4	4.14	85.6	3.92	81.1	3.71	79.0	3.52	75.5	3.30	72.0	3.12
	50	44.4	90.4	4.17	85.4	3.96	81.1	3.73	79.0	3.54	75.5	3.33	72.0	3.14
		53.3	90.4	4.19	85.4	3.97	81.1	3.74	79.0	3.55	75.5	3.35	72.0	3.15
		14.2	90.0	3.72	85.0	3.50	80.9	3.29	79.0	3.14	75.5	2.91	72.0	2.77
		17.8	90.1	3.71	85.1	3.50	80.9	3.29	79.0	3.14	75.5	2.92	72.0	2.77
	59	35.5	90.4	3.69	85.6	3.49	81.1	3.26	79.0	3.12	75.5	2.95	72.0	2.75
		44.4	90.4	3.71	85.4	3.50	81.1	3.27	79.0	3.13	75.5	2.90	72.0	2.76
		53.3	90.4	3.72	85.4	3.50	81.1	3.28	79.0	3.13	75.5	2.88	72.0	2.76
		14.2	90.4	3.39	85.4	3.16	81.1	2.95	79.0	2.84	75.5	2.60	72.0	2.51
	68	17.8	90.4	3.36	85.4	3.14	81.1	2.93	79.0	2.81	75.5	2.60	72.0	2.49
		35.5	90.4	3.25	85.4	3.04	81.1	2.81	79.0	2.71	75.5	2.60	72.0	2.39
		44.4	90.4	3.25	85.4	3.04	81.1	2.81	79.0	2.71	75.5	2.49	72.0	2.39
		53.3	90.4	3.25	85.4	3.04	81.1	2.81	79.0	2.71	75.5	2.43	72.0	2.39
	77	14.2	90.4	2.95	85.4	2.74	81.1	2.63	79.0	2.51	75.5	2.42	72.0	2.16
		17.8	90.4	2.93	85.4	2.71	81.1	2.60	79.0	2.49	75.5	2.39	72.0	2.16
		35.5	90.4	2.81	85.4	2.60	81.1	2.49	79.0	2.39	75.5	2.28	72.0	2.16
		44.4	90.4	2.81	85.4	2.60	81.1	2.49	79.0	2.39	75.5	2.28	72.0	2.16
	86	53.3	90.4	2.81	85.4	2.60	81.1	2.49	79.0	2.39	75.5	2.28	72.0	2.16
		14.2	90.4	2.63	85.4	2.39	81.1	2.30	79.0	2.16	75.5	2.06	72.0	1.95
		17.8	90.4	2.60	85.4	2.39	81.1	2.28	79.0	2.16	75.5	2.06	72.0	1.95
		35.5	90.4	2.49	85.4	2.39	81.1	2.16	79.0	2.16	75.5	2.06	72.0	1.95
	95	44.4	90.4	2.49	85.4	2.39	81.1	2.16	79.0	2.16	75.5	2.06	72.0	1.95
		53.3	90.4	2.49	85.4	2.39	81.1	2.16	79.0	2.16	75.5	2.06	72.0	1.95
		14.2	90.4	2.42	85.4	2.19	81.1	2.09	79.0	1.95	75.5	1.98	72.0	1.86
		17.8	90.4	2.39	85.4	2.16	81.1	2.06	79.0	1.95	75.5	1.95	72.0	1.84
	104	35.5	90.4	2.28	85.4	2.06	81.1	1.95	79.0	1.95	75.5	1.84	72.0	1.74
		44.4	90.4	2.28	85.4	2.06	81.1	1.95	79.0	1.95	75.5	1.84	72.0	1.74
		53.3	90.4	2.28	85.4	2.06	81.1	1.95	79.0	1.95	75.5	1.84	72.0	1.74
		14.2	90.4	2.19	85.4	1.95	81.1	1.84	79.0	1.86	75.5	1.74	72.0	1.63
	113	17.8	90.4	2.16	85.4	1.95	81.1	1.84	79.0	1.84	75.5	1.74	72.0	1.63
		35.5	90.4	2.06	85.4	1.95	81.1	1.84	79.0	1.74	75.5	1.74	72.0	1.63
		44.4	90.4	2.06	85.4	1.95	81.1	1.84	79.0	1.74	75.5	1.74	72.0	1.63
		53.3	90.4	2.06	85.4	1.95	81.1	1.84	79.0	1.74	75.5	1.74	72.0	1.63
	113	14.2	90.4	1.98	85.4	1.86	81.1	1.77	79.0	1.63	75.5	1.65	72.0	1.51
		17.8	90.4	1.95	85.4	1.84	81.1	1.74	79.0	1.63	75.5	1.63	72.0	1.51
		35.5	90.4	1.84	85.4	1.74	81.1	1.63	79.0	1.63	75.5	1.51	72.0	1.51
		44.4	90.4	1.84	85.4	1.74	81.1	1.63	79.0	1.63	75.5	1.51	72.0	1.51
		53.3	90.4	1.84	85.4	1.74	81.1	1.63	79.0	1.63	75.5	1.51	72.0	1.51
	113	14.2	90.4	1.77	85.4	1.79	81.1	1.68	79.0	1.39	75.5	1.57	72.0	1.41
		17.8	90.4	1.74	85.4	1.74	81.1	1.63	79.0	1.41	75.5	1.51	72.0	1.41
		35.5	90.4	1.63	85.4	1.51	81.1	1.41	79.0	1.51	75.5	1.30	72.0	1.41
		44.4	90.4	1.63	85.4	1.51	81.1	1.41	79.0	1.51	75.5	1.30	72.0	1.41
		53.3	90.4	1.63	85.4	1.51	81.1	1.41	79.0	1.51	75.5	1.30	72.0	1.41

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM168DAS5

168,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	23	18.3	89.4	8.83	88.8	8.31	88.2	7.74	87.0	7.51	88.1	7.31	85.6	6.56
		22.9	92.5	8.98	91.8	8.47	91.2	7.91	90.0	7.67	91.1	7.47	88.6	6.70
		45.7	104.6	9.59	103.7	9.11	103.2	8.58	101.8	8.33	103.0	8.10	100.4	7.27
		50.3	115.7	10.20	114.6	9.74	113.9	9.24	112.5	9.00	113.9	8.74	110.9	7.83
		60.8	141.0	11.59	139.5	11.18	138.3	10.75	136.9	10.53	138.8	10.20	134.9	9.11
	32	18.3	159.7	12.07	156.1	11.71	152.8	11.33	149.4	11.01	150.0	10.71	143.1	9.59
		22.9	160.7	12.11	157.0	11.74	153.7	11.37	150.3	11.05	150.8	10.74	144.0	9.62
		45.7	164.6	12.24	160.5	11.86	157.2	11.50	153.8	11.18	154.4	10.86	147.5	9.74
		50.3	167.0	12.24	163.0	11.86	159.6	11.50	156.1	11.18	156.7	10.86	149.6	9.74
		60.8	172.5	12.24	168.7	11.86	165.1	11.50	161.4	11.18	162.0	10.86	154.4	9.74
	41	18.3	230.0	12.98	226.6	12.66	221.8	12.34	216.3	11.99	210.4	11.66	198.8	10.44
		22.9	230.8	13.04	227.0	12.72	221.9	12.40	216.3	12.05	210.4	11.71	198.8	10.49
		45.7	234.0	13.27	228.6	12.95	222.1	12.65	216.3	12.30	210.4	11.95	198.8	10.71
		50.3	235.4	13.36	229.3	13.04	222.1	12.73	216.3	12.38	210.4	12.03	198.8	10.78
		60.8	238.6	13.57	230.9	13.25	222.1	12.91	216.3	12.56	210.4	12.21	198.8	10.94
	50	18.3	230.3	11.81	226.6	11.41	221.2	11.20	215.4	10.95	209.6	10.57	198.0	9.54
		22.9	231.7	11.79	227.7	11.42	222.1	11.22	216.3	10.94	210.4	10.57	198.8	9.53
		45.7	237.2	11.70	231.9	11.47	225.6	11.31	219.8	10.93	213.6	10.54	202.0	9.51
		50.3	238.4	11.86	233.5	11.63	227.0	11.35	220.8	10.97	215.0	10.71	203.2	9.96
		60.8	241.1	12.23	237.2	12.00	230.2	11.44	223.1	11.06	218.2	11.10	205.9	10.99
	59	18.3	230.7	10.64	226.7	10.19	220.3	10.08	214.5	9.91	208.9	9.49	197.2	8.65
		22.9	232.6	10.54	228.4	10.15	222.1	10.06	216.3	9.84	210.4	9.42	198.8	8.58
		45.7	240.2	10.12	235.2	9.97	229.1	9.97	223.3	9.55	216.8	9.13	205.2	8.28
		50.3	241.4	10.36	237.5	10.20	231.9	9.97	225.6	9.55	219.8	9.39	207.6	9.13
		60.8	244.1	10.91	242.8	10.73	238.3	9.97	230.9	9.55	226.6	9.98	213.1	11.07
	68	18.3	239.5	9.76	235.1	9.31	228.9	9.11	222.6	8.81	216.1	8.62	203.3	8.35
		22.9	241.4	9.69	237.0	9.30	230.7	9.10	224.3	8.85	218.0	8.68	205.2	8.28
		45.7	249.0	9.42	244.6	9.27	237.7	9.07	231.4	9.00	225.6	8.91	212.7	8.01
		50.3	250.0	9.42	246.3	9.27	240.5	9.13	233.7	9.00	227.3	8.91	214.5	8.52
		60.8	252.3	9.42	250.2	9.27	246.9	9.27	239.0	9.00	231.2	8.91	218.6	9.68
	77	18.3	252.8	9.31	246.3	9.04	240.5	8.89	235.9	8.74	230.7	8.61	217.5	8.05
		22.9	252.8	9.27	246.3	9.03	240.5	8.85	235.9	8.71	230.7	8.58	217.5	8.01
		45.7	252.8	9.13	246.3	8.97	240.5	8.71	235.9	8.58	230.7	8.43	217.5	7.86
		50.3	252.8	9.00	246.3	8.74	240.5	8.58	235.9	8.43	230.7	8.28	217.5	7.73
		60.8	252.8	8.70	246.3	8.22	240.5	8.28	235.9	8.09	230.7	7.94	217.5	7.43
	86	18.3	252.8	9.07	246.3	8.62	240.5	8.54	235.9	8.32	230.7	8.23	217.5	7.66
		22.9	252.8	9.00	246.3	8.60	240.5	8.49	235.9	8.28	230.7	8.15	217.5	7.59
		45.7	252.8	8.71	246.3	8.55	240.5	8.28	235.9	8.15	230.7	7.86	217.5	7.31
		50.3	252.8	8.58	246.3	8.31	240.5	8.15	235.9	8.01	230.7	7.86	217.5	7.31
		60.8	252.8	8.28	246.3	7.76	240.5	7.85	235.9	7.69	230.7	7.86	217.5	7.31
	95	18.3	252.8	8.65	246.3	8.36	240.5	8.19	235.9	7.90	230.7	7.62	217.5	7.09
		22.9	252.8	8.58	246.3	8.31	240.5	8.15	235.9	7.86	230.7	7.59	217.5	7.02
		45.7	252.8	8.28	246.3	8.12	240.5	8.01	235.9	7.73	230.7	7.44	217.5	6.74
		50.3	252.8	8.28	246.3	8.04	240.5	7.86	235.9	7.59	230.7	7.31	217.5	6.74
		60.8	252.8	8.28	246.3	7.86	240.5	7.52	235.9	7.27	230.7	7.01	217.5	6.74
	104	18.3	252.8	8.35	246.3	8.09	240.5	7.93	235.9	7.66	230.7	7.38	217.5	6.67
		22.9	252.8	8.28	246.3	8.04	240.5	7.86	235.9	7.59	230.7	7.31	217.5	6.60
		45.7	252.8	8.01	246.3	7.83	240.5	7.59	235.9	7.31	230.7	7.02	217.5	6.32
		50.3	252.8	7.86	246.3	7.70	240.5	7.59	235.9	7.31	230.7	7.02	217.5	6.32
		60.8	252.8	7.52	246.3	7.40	240.5	7.59	235.9	7.31	230.7	7.02	217.5	6.32
	113	18.3	252.8	8.08	246.3	7.81	240.5	7.69	235.9	7.42	230.7	7.13	217.5	6.25
		22.9	252.8	8.01	246.3	7.76	240.5	7.59	235.9	7.31	230.7	7.02	217.5	6.18
		45.7	252.8	7.73	246.3	7.56	240.5	7.17	235.9	6.89	230.7	6.60	217.5	5.90
		50.3	252.8	7.44	246.3	7.37	240.5	7.31	235.9	7.02	230.7	6.74	217.5	5.90
		60.8	252.8	6.78	246.3	6.94	240.5	7.63	235.9	7.32	230.7	7.06	217.5	5.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	18.3	85.0	8.83	84.3	8.31	83.8	7.74	82.8	7.41	83.4	7.20	81.2	6.44
		22.9	87.9	8.98	87.2	8.47	86.7	7.91	85.6	7.57	86.3	7.35	84.0	6.58
		45.7	99.5	9.59	98.6	9.11	98.1	8.58	96.9	8.21	97.8	7.98	95.1	7.15
		50.3	109.9	10.20	109.0	9.74	108.3	9.24	107.1	8.87	107.9	8.60	105.0	7.70
		60.8	133.6	11.59	132.7	11.18	131.6	10.75	130.4	10.38	131.0	10.02	127.6	8.96
	32	18.3	151.9	12.07	148.2	11.71	145.0	11.33	142.1	10.85	142.1	10.55	135.6	9.43
		22.9	152.8	12.11	149.1	11.74	145.9	11.37	142.9	10.89	142.9	10.58	136.4	9.46
		45.7	156.3	12.24	152.6	11.86	149.4	11.50	146.3	11.02	146.3	10.70	139.8	9.58
		50.3	158.8	12.24	155.1	11.86	151.7	11.50	148.6	11.02	148.4	10.70	141.9	9.58
		60.8	164.5	12.24	160.8	11.86	157.0	11.50	153.9	11.02	153.2	10.70	146.7	9.58
	41	18.3	219.0	12.98	215.7	12.66	211.0	12.34	205.9	11.81	199.4	11.48	188.5	10.28
		22.9	219.8	13.04	216.1	12.72	211.0	12.40	205.9	11.87	199.4	11.54	188.5	10.33
		45.7	222.9	13.27	217.7	12.95	211.0	12.65	205.9	12.12	199.4	11.77	188.5	10.54
		50.3	224.2	13.36	216.4	13.04	211.0	12.73	205.9	12.21	199.4	11.86	188.5	10.61
		60.8	227.2	13.57	213.4	13.25	211.0	12.91	205.9	12.42	199.4	12.07	188.5	10.77
	50	18.3	219.8	11.66	215.7	11.34	210.4	11.11	205.3	10.77	198.8	10.41	188.0	9.36
		22.9	220.8	11.70	216.6	11.38	211.0	11.15	205.9	10.78	199.4	10.41	188.5	9.37
		45.7	224.9	11.86	220.1	11.55	213.3	11.31	208.2	10.84	201.5	10.38	190.4	9.42
		50.3	226.1	11.82	219.4	11.55	214.1	11.35	209.0	10.89	202.4	10.42	191.3	9.74
		60.8	228.8	11.73	217.8	11.55	215.9	11.44	210.8	11.00	204.5	10.51	193.4	10.47
	59	18.3	220.4	10.34	216.0	10.04	209.8	9.88	204.7	9.73	198.4	9.34	187.5	8.47
		22.9	221.7	10.36	217.3	10.06	211.0	9.90	205.9	9.69	199.4	9.27	188.5	8.43
		45.7	226.8	10.45	222.6	10.15	215.7	9.97	210.4	9.55	203.4	9.00	192.5	8.28
		50.3	228.0	10.29	222.4	10.06	217.5	9.97	212.2	9.55	205.2	9.00	194.3	8.85
		60.8	230.7	9.92	221.9	9.85	221.6	9.97	216.3	9.55	209.3	9.00	198.4	10.15
	68	18.3	226.6	9.30	222.3	8.91	215.6	8.67	209.6	8.54	202.8	8.44	191.9	8.01
		22.9	228.0	9.30	223.6	8.94	216.8	8.71	211.0	8.58	204.1	8.43	193.0	7.98
		45.7	233.8	9.30	228.9	9.07	221.5	8.85	216.3	8.71	209.2	8.40	197.6	7.86
		50.3	234.9	9.21	228.7	9.00	223.3	8.85	217.5	8.71	210.4	8.43	198.8	8.15
		60.8	237.4	9.00	228.2	8.84	227.4	8.85	220.2	8.71	213.1	8.50	201.5	8.81
	77	18.3	237.6	8.80	230.7	8.39	223.3	8.23	218.5	8.05	212.7	7.90	201.1	7.35
		22.9	237.7	8.76	230.7	8.37	223.3	8.21	218.5	8.01	212.7	7.86	201.1	7.31
		45.7	238.2	8.63	230.7	8.31	223.3	8.15	218.5	7.86	212.7	7.73	201.1	7.17
		50.3	238.9	8.31	230.7	8.10	223.3	8.01	218.5	7.86	212.7	7.59	201.1	7.17
		60.8	240.5	7.58	230.7	7.62	223.3	7.69	218.5	7.86	212.7	7.27	201.1	7.17
	86	18.3	238.9	8.41	230.7	8.00	223.3	7.77	218.5	7.47	212.7	7.38	201.1	6.78
		22.9	238.9	8.34	230.7	7.95	223.3	7.73	218.5	7.44	212.7	7.31	201.1	6.74
		45.7	238.9	8.07	230.7	7.76	223.3	7.59	218.5	7.31	212.7	7.02	201.1	6.60
		50.3	238.9	7.81	230.7	7.59	223.3	7.44	218.5	7.31	212.7	7.02	201.1	6.47
		60.8	238.9	7.22	230.7	7.20	223.3	7.10	218.5	7.31	212.7	7.02	201.1	6.17
	95	18.3	238.9	8.04	230.7	7.60	223.3	7.38	218.5	7.09	212.7	6.81	201.1	6.21
		22.9	238.9	7.92	230.7	7.53	223.3	7.31	218.5	7.02	212.7	6.74	201.1	6.18
		45.7	238.9	7.47	230.7	7.25	223.3	7.02	218.5	6.74	212.7	6.47	201.1	6.05
		50.3	238.9	7.38	230.7	7.19	223.3	7.02	218.5	6.74	212.7	6.47	201.1	5.90
		60.8	238.9	7.17	230.7	7.05	223.3	7.02	218.5	6.74	212.7	6.47	201.1	5.56
	104	18.3	238.9	7.80	230.7	7.25	223.3	6.96	218.5	6.67	212.7	6.39	201.1	5.79
		22.9	238.9	7.65	230.7	7.17	223.3	6.89	218.5	6.60	212.7	6.32	201.1	5.76
		45.7	238.9	7.05	230.7	6.83	223.3	6.60	218.5	6.32	212.7	6.05	201.1	5.62
		50.3	238.9	6.96	230.7	6.74	223.3	6.60	218.5	6.32	212.7	6.05	201.1	5.48
		60.8	238.9	6.75	230.7	6.53	223.3	6.60	218.5	6.32	212.7	6.05	201.1	5.16
	113	18.3	238.9	7.56	230.7	6.90	223.3	6.54	218.5	6.25	212.7	5.97	201.1	5.37
		22.9	238.9	7.37	230.7	6.80	223.3	6.47	218.5	6.18	212.7	5.90	201.1	5.33
		45.7	238.9	6.63	230.7	6.41	223.3	6.18	218.5	5.90	212.7	5.62	201.1	5.20
		50.3	238.9	6.54	230.7	6.29	223.3	6.18	218.5	5.90	212.7	5.62	201.1	5.06
		60.8	238.9	6.33	230.7	6.02	223.3	6.18	218.5	5.90	212.7	5.62	201.1	4.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM168DAS5

168,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	23	18.3	80.4	8.94	79.9	8.31	79.4	7.74	78.5	7.41	78.7	7.20	77.0	6.44
		22.9	83.2	9.10	82.6	8.47	82.1	7.91	81.2	7.57	81.4	7.35	79.6	6.58
		45.7	94.1	9.71	93.5	9.11	93.0	8.58	92.0	8.21	92.0	7.98	90.2	7.15
		50.3	103.9	10.33	103.2	9.74	102.7	9.24	101.6	8.87	101.6	8.60	99.5	7.70
		60.8	126.3	11.75	125.3	11.18	124.8	10.75	123.5	10.38	123.5	10.02	120.7	8.96
	32	18.3	143.7	12.24	140.5	11.71	137.6	11.33	134.9	10.85	133.7	10.55	128.6	9.43
		22.9	144.5	12.27	141.4	11.74	138.4	11.37	135.7	10.89	134.5	10.58	129.4	9.46
		45.7	147.9	12.38	144.7	11.86	141.5	11.50	138.9	11.02	137.7	10.70	132.4	9.58
		50.3	150.1	12.38	147.0	11.86	143.8	11.50	141.0	11.02	139.8	10.70	134.3	9.58
		60.8	155.1	12.38	152.3	11.86	149.1	11.50	145.8	11.02	144.6	10.70	138.6	9.58
	41	18.3	209.6	13.15	204.6	12.66	199.9	12.34	195.3	11.81	187.8	11.48	178.6	10.28
		22.9	210.3	13.21	205.0	12.72	199.9	12.40	195.3	11.87	187.8	11.54	178.6	10.33
		45.7	213.1	13.44	206.6	12.95	200.1	12.65	195.3	12.12	187.8	11.77	178.6	10.54
		50.3	214.3	13.53	207.1	13.04	200.1	12.73	195.3	12.21	187.8	11.86	178.6	10.61
		60.8	217.0	13.74	208.2	13.25	200.1	12.91	195.3	12.42	187.8	12.07	178.6	10.77
	50	18.3	210.4	11.79	205.2	11.39	199.6	11.14	195.0	10.77	187.5	10.41	178.4	9.36
		22.9	211.2	11.82	205.7	11.42	199.9	11.18	195.3	10.78	187.8	10.41	178.6	9.37
		45.7	214.3	11.90	207.8	11.55	201.1	11.31	196.6	10.84	189.0	10.38	179.5	9.42
		50.3	215.5	11.90	208.7	11.55	201.8	11.28	196.9	10.81	189.4	10.42	180.0	9.52
		60.8	218.2	11.90	210.8	11.55	203.4	11.21	197.6	10.74	190.3	10.51	181.1	9.75
	59	18.3	211.0	10.44	205.5	10.15	199.5	9.97	194.8	9.73	187.1	9.34	178.2	8.47
		22.9	211.9	10.42	206.2	10.15	200.1	9.97	195.3	9.69	187.8	9.27	178.6	8.43
		45.7	215.4	10.36	209.2	10.15	202.4	9.97	197.6	9.55	190.2	9.00	180.4	8.28
		50.3	216.6	10.29	210.3	10.06	203.4	9.84	198.3	9.42	190.8	9.00	181.4	8.43
		60.8	219.3	10.13	212.8	9.85	205.7	9.54	199.9	9.12	192.2	9.00	183.7	8.77
	68	18.3	214.9	9.01	209.0	8.79	202.3	8.58	196.9	8.43	189.7	8.19	179.7	7.66
		22.9	216.1	9.03	209.7	8.79	202.9	8.58	197.6	8.43	190.2	8.15	180.4	7.65
		45.7	220.6	9.10	212.6	8.79	205.2	8.58	200.6	8.43	192.5	8.01	183.2	7.59
		50.3	221.9	9.10	214.3	8.79	206.4	8.58	201.1	8.28	193.6	8.01	183.7	7.59
		60.8	224.9	9.10	218.2	8.79	209.1	8.58	202.2	7.94	196.1	8.01	184.8	7.59
	77	18.3	221.6	8.20	215.0	7.90	206.4	7.77	201.8	7.47	194.8	7.20	184.4	6.60
		22.9	222.1	8.18	215.0	7.86	206.4	7.73	201.8	7.44	194.8	7.17	184.4	6.60
		45.7	223.8	8.12	215.0	7.73	206.4	7.59	201.8	7.31	194.8	7.02	184.4	6.60
		50.3	224.9	8.12	215.0	7.76	206.4	7.44	201.8	7.31	194.8	6.89	184.4	6.47
		60.8	227.4	8.12	215.0	7.83	206.4	7.10	201.8	7.31	194.8	6.59	184.4	6.17
	86	18.3	224.9	7.47	215.0	7.20	206.4	6.93	201.8	6.78	194.8	6.36	184.4	5.94
		22.9	224.9	7.44	215.0	7.17	206.4	6.89	201.8	6.74	194.8	6.32	184.4	5.90
		45.7	224.9	7.31	215.0	7.02	206.4	6.74	201.8	6.60	194.8	6.18	184.4	5.76
		50.3	224.9	7.25	215.0	6.89	206.4	6.60	201.8	6.47	194.8	6.18	184.4	5.76
		60.8	224.9	7.11	215.0	6.59	206.4	6.28	201.8	6.17	194.8	6.18	184.4	5.76
	95	18.3	224.9	7.09	215.0	6.63	206.4	6.36	201.8	6.08	194.8	5.79	184.4	5.37
		22.9	224.9	7.02	215.0	6.60	206.4	6.32	201.8	6.05	194.8	5.76	184.4	5.33
		45.7	224.9	6.74	215.0	6.47	206.4	6.18	201.8	5.90	194.8	5.62	184.4	5.20
		50.3	224.9	6.57	215.0	6.32	206.4	6.05	201.8	5.90	194.8	5.62	184.4	5.20
		60.8	224.9	6.18	215.0	5.98	206.4	5.75	201.8	5.90	194.8	5.62	184.4	5.20
	104	18.3	224.9	6.67	215.0	6.39	206.4	5.97	201.8	5.66	194.8	5.37	184.4	4.95
		22.9	224.9	6.60	215.0	6.32	206.4	5.90	201.8	5.62	194.8	5.33	184.4	4.91
		45.7	224.9	6.32	215.0	6.05	206.4	5.62	201.8	5.48	194.8	5.20	184.4	4.78
		50.3	224.9	6.24	215.0	5.90	206.4	5.62	201.8	5.33	194.8	5.06	184.4	4.64
		60.8	224.9	6.06	215.0	5.56	206.4	5.62	201.8	4.99	194.8	4.74	184.4	4.32
	113	18.3	224.9	6.25	215.0	6.15	206.4	5.59	201.8	5.24	194.8	4.95	184.4	4.52
		22.9	224.9	6.18	215.0	6.05	206.4	5.48	201.8	5.20	194.8	4.91	184.4	4.49
		45.7	224.9	5.90	215.0	5.62	206.4	5.06	201.8	5.06	194.8	4.78	184.4	4.36
		50.3	224.9	5.90	215.0	5.48	206.4	5.20	201.8	4.78	194.8	4.49	184.4	4.07
		60.8	224.9	5.90	215.0	5.16	206.4	5.52	201.8	4.14	194.8	3.83	184.4	3.41

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	18.3	76.0	8.94	75.4	8.43	75.1	7.74	74.5	7.41	73.8	7.08	72.4	6.44
		22.9	78.6	9.10	78.1	8.59	77.7	7.91	77.0	7.57	76.3	7.24	74.9	6.58
		45.7	89.0	9.71	88.4	9.23	87.9	8.58	87.0	8.21	86.3	7.86	84.9	7.15
		50.3	98.3	10.33	97.6	9.87	97.0	9.24	96.2	8.87	95.5	8.47	93.7	7.70
		60.8	119.5	11.75	118.6	11.33	117.8	10.75	117.2	10.38	116.5	9.86	113.8	8.96
	32	18.3	135.8	12.24	132.8	11.87	130.1	11.33	127.8	10.85	125.5	10.39	121.1	9.43
		22.9	136.6	12.27	133.6	11.90	130.8	11.37	128.5	10.89	126.2	10.42	121.8	9.46
		45.7	139.8	12.38	136.8	12.02	133.8	11.50	131.5	11.02	129.2	10.54	124.7	9.58
		50.3	141.9	12.38	138.9	12.02	135.9	11.50	133.4	11.02	131.2	10.54	126.6	9.58
		60.8	146.7	12.38	143.7	12.02	140.7	11.50	137.7	11.02	135.8	10.54	130.9	9.58
	41	18.3	200.4	13.15	193.7	12.83	188.8	12.34	185.0	11.81	176.2	11.31	168.1	10.28
		22.9	201.1	13.21	194.1	12.89	188.8	12.40	185.0	11.87	176.2	11.37	168.1	10.33
		45.7	203.9	13.44	195.5	13.12	189.0	12.65	185.0	12.12	176.2	11.60	168.1	10.54
		50.3	205.2	13.53	196.0	13.21	189.0	12.73	185.0	12.21	176.2	11.67	168.1	10.61
		60.8	208.2	13.74	197.1	13.42	189.0	12.91	185.0	12.42	176.2	11.83	168.1	10.77
	50	18.3	201.5	11.76	194.4	11.50	189.0	11.14	185.0	10.77	176.2	10.24	168.1	9.36
		22.9	202.0	11.82	194.6	11.54	189.0	11.18	185.0	10.78	176.2	10.25	168.1	9.37
		45.7	203.9	12.03	195.7	11.69	189.0	11.31	185.0	10.84	176.2	10.29	168.1	9.42
		50.3	205.4	11.99	196.6	11.69	189.0	11.28	185.0	10.81	176.2	10.26	168.1	9.37
		60.8	208.8	11.90	198.7	11.69	189.0	11.21	185.0	10.74	176.2	10.19	168.1	9.26
	59	18.3	202.6	10.37	195.2	10.20	189.0	9.97	185.0	9.73	176.2	9.16	168.1	8.47
		22.9	202.9	10.42	195.3	10.20	189.0	9.97	185.0	9.69	176.2	9.13	168.1	8.43
		45.7	203.9	10.62	195.9	10.23	189.0	9.97	185.0	9.55	176.2	9.00	168.1	8.28
		50.3	205.7	10.45	196.9	10.15	189.0	9.84	185.0	9.42	176.2	8.85	168.1	8.15
		60.8	209.8	10.06	199.2	9.97	189.0	9.54	185.0	9.12	176.2	8.51	168.1	7.85
	68	18.3	203.7	8.87	196.3	8.64	189.0	8.43	185.0	8.32	176.2	7.77	168.1	7.38
		22.9	204.5	8.91	196.4	8.65	189.0	8.43	185.0	8.28	176.2	7.73	168.1	7.31
		45.7	207.5	9.07	196.9	8.68	189.0	8.43	185.0	8.15	176.2	7.59	168.1	7.02
		50.3	208.7	8.91	198.7	8.60	189.0	8.28	185.0	8.01	176.2	7.44	168.1	6.89
		60.8	211.4	8.54	202.8	8.42	189.0	7.94	185.0	7.69	176.2	7.10	168.1	6.59
	77	18.3	206.2	7.75	199.4	7.51	189.0	7.20	185.0	6.93	176.2	6.50	168.1	5.90
		22.9	206.9	7.76	199.4	7.47	189.0	7.17	185.0	6.89	176.2	6.47	168.1	5.90
		45.7	209.9	7.79	199.4	7.31	189.0	7.02	185.0	6.74	176.2	6.32	168.1	5.90
		50.3	211.0	7.62	199.4	7.25	189.0	6.89	185.0	6.60	176.2	6.32	168.1	5.76
		60.8	213.5	7.23	199.4	7.11	189.0	6.59	185.0	6.28	176.2	6.32	168.1	5.44
	86	18.3	211.0	7.05	199.4	6.50	189.0	6.06	185.0	5.94	176.2	5.48	168.1	5.24
		22.9	211.0	7.02	199.4	6.47	189.0	6.05	185.0	5.90	176.2	5.48	168.1	5.20
		45.7	211.0	6.89	199.4	6.32	189.0	5.99	185.0	5.76	176.2	5.48	168.1	5.06
		50.3	211.0	6.74	199.4	6.32	189.0	5.90	185.0	5.76	176.2	5.33	168.1	5.06
		60.8	211.0	6.40	199.4	6.32	189.0	5.69	185.0	5.76	176.2	4.99	168.1	5.06
	95	18.3	211.0	6.54	199.4	5.97	189.0	5.35	185.0	5.24	176.2	4.95	168.1	4.52
		22.9	211.0	6.47	199.4	5.90	189.0	5.33	185.0	5.20	176.2	4.91	168.1	4.49
		45.7	211.0	6.18	199.4	5.62	189.0	5.28	185.0	5.06	176.2	4.78	168.1	4.36
		50.3	211.0	6.18	199.4	5.62	189.0	5.20	185.0	5.06	176.2	4.78	168.1	4.36
		60.8	211.0	6.18	199.4	5.62	189.0	5.02	185.0	5.06	176.2	4.78	168.1	4.36
	104	18.3	211.0	6.12	199.4	5.55	189.0	4.80	185.0	4.67	176.2	4.40	168.1	4.10
		22.9	211.0	6.05	199.4	5.48	189.0	4.78	185.0	4.64	176.2	4.36	168.1	4.07
		45.7	211.0	5.76	199.4	5.20	189.0	4.72	185.0	4.49	176.2	4.22	168.1	3.94
		50.3	211.0	5.62	199.4	5.20	189.0	4.64	185.0	4.49	176.2	4.22	168.1	3.94
		60.8	211.0	5.30	199.4	5.20	189.0	4.46	185.0	4.49	176.2	4.22	168.1	3.94
	113	18.3	211.0	5.70	199.4	5.13	189.0	4.23	185.0	4.10	176.2	3.83	168.1	3.68
		22.9	211.0	5.62	199.4	5.06	189.0	4.22	185.0	4.07	176.2	3.79	168.1	3.65
		45.7	211.0	5.33	199.4	4.78	189.0	4.16	185.0	3.94	176.2	3.65	168.1	3.52
		50.3	211.0	5.06	199.4	4.78	189.0	4.07	185.0	3.94	176.2	3.65	168.1	3.52
		60.8	211.0	4.44	199.4	4.78	189.0	3.86	185.0	3.94	176.2	3.65	168.1	3.52

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM168DAS5

168,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	18.3	71.7	8.30	69.5	7.56	67.5	6.64	67.0	6.33	66.4	6.10	65.3	5.47
		22.9	74.2	8.44	71.9	7.70	69.8	6.79	69.3	6.47	68.7	6.24	67.5	5.60
		45.7	84.0	9.01	81.4	8.27	78.9	7.37	78.4	7.02	77.9	6.77	76.3	6.08
		50.3	92.8	9.58	89.8	8.85	87.2	7.95	86.5	7.57	86.0	7.30	84.4	6.56
		60.8	112.9	10.88	109.0	10.17	106.1	9.27	105.0	8.83	104.5	8.51	102.9	7.66
	32	18.3	128.3	11.31	122.4	10.61	116.7	9.74	115.0	9.29	113.1	8.94	108.9	8.03
		22.9	129.0	11.34	123.1	10.64	117.4	9.77	115.7	9.32	113.8	8.97	109.5	8.05
		45.7	132.0	11.45	125.9	10.76	120.3	9.87	118.3	9.42	116.4	9.07	112.2	8.14
		50.3	134.0	11.45	127.8	10.76	122.2	9.87	120.1	9.42	118.3	9.07	113.9	8.14
		60.8	138.6	11.45	132.1	10.76	126.5	9.87	124.2	9.42	122.6	9.07	117.8	8.14
	41	18.3	181.3	12.14	175.4	11.46	169.8	10.60	166.3	10.11	158.9	9.73	151.4	8.73
		22.9	181.4	12.19	175.3	11.51	169.8	10.65	166.3	10.16	158.9	9.78	151.4	8.78
		45.7	182.1	12.41	174.8	11.73	169.8	10.86	166.3	10.36	158.9	9.99	151.4	8.95
		50.3	183.2	12.49	175.3	11.80	169.8	10.94	166.3	10.44	158.9	10.06	151.4	9.03
		60.8	185.7	12.67	176.4	11.96	169.8	11.12	166.3	10.62	158.9	10.22	151.4	9.21
	50	18.3	182.2	10.72	176.0	10.19	169.8	9.60	166.3	9.20	158.9	8.83	151.4	7.96
		22.9	182.1	10.73	175.8	10.20	169.8	9.61	166.3	9.21	158.9	8.82	151.4	7.96
		45.7	181.8	10.76	174.9	10.25	169.8	9.65	166.3	9.26	158.9	8.79	151.4	7.99
		50.3	183.0	10.73	175.5	10.22	169.8	9.62	166.3	9.23	158.9	8.82	151.4	8.02
		60.8	185.7	10.66	176.9	10.15	169.8	9.55	166.3	9.16	158.9	8.89	151.4	8.09
	59	18.3	183.2	9.28	176.7	8.95	169.8	8.61	166.3	8.32	158.9	7.93	151.4	7.20
		22.9	182.8	9.24	176.3	8.91	169.8	8.58	166.3	8.28	158.9	7.86	151.4	7.17
		45.7	181.6	9.10	175.1	8.76	169.8	8.43	166.3	8.15	158.9	7.59	151.4	7.02
		50.3	182.8	8.97	175.6	8.63	169.8	8.28	166.3	8.01	158.9	7.59	151.4	7.02
		60.8	185.5	8.67	176.7	8.33	169.8	7.94	166.3	7.69	158.9	7.59	151.4	7.02
	68	18.3	184.3	7.83	177.4	7.61	169.8	7.35	166.3	7.05	158.9	6.81	151.4	6.39
		22.9	184.1	7.83	177.0	7.59	169.8	7.31	166.3	7.02	158.9	6.74	151.4	6.32
		45.7	183.4	7.83	175.6	7.50	169.8	7.17	166.3	6.89	158.9	6.47	151.4	6.05
		50.3	183.9	7.70	176.2	7.44	169.8	7.17	166.3	6.89	158.9	6.47	151.4	6.05
		60.8	185.0	7.40	177.6	7.30	169.8	7.17	166.3	6.89	158.9	6.47	151.4	6.05
	77	18.3	187.3	6.85	179.7	6.48	169.8	6.21	166.3	5.90	158.9	5.66	151.4	5.24
		22.9	187.8	6.83	179.7	6.47	169.8	6.18	166.3	5.90	158.9	5.62	151.4	5.20
		45.7	189.5	6.77	179.7	6.41	169.8	6.05	166.3	5.90	158.9	5.48	151.4	5.06
		50.3	190.2	6.60	179.7	6.26	169.8	6.05	166.3	5.76	158.9	5.48	151.4	5.06
		60.8	191.8	6.21	179.7	5.92	169.8	6.05	166.3	5.44	158.9	5.48	151.4	5.06
	86	18.3	190.2	6.21	179.7	5.79	169.8	5.37	166.3	5.24	158.9	4.95	151.4	4.49
		22.9	190.2	6.18	179.7	5.76	169.8	5.33	166.3	5.20	158.9	4.91	151.4	4.49
		45.7	190.2	6.05	179.7	5.62	169.8	5.20	166.3	5.06	158.9	4.78	151.4	4.49
		50.3	190.2	5.90	179.7	5.48	169.8	5.20	166.3	5.06	158.9	4.78	151.4	4.36
		60.8	190.2	5.56	179.7	5.16	169.8	5.20	166.3	5.06	158.9	4.78	151.4	4.06
	95	18.3	190.2	5.66	179.7	5.24	169.8	4.82	166.3	4.67	158.9	4.40	151.4	4.10
		22.9	190.2	5.62	179.7	5.20	169.8	4.78	166.3	4.64	158.9	4.36	151.4	4.07
		45.7	190.2	5.48	179.7	5.06	169.8	4.64	166.3	4.49	158.9	4.22	151.4	3.94
		50.3	190.2	5.33	179.7	4.91	169.8	4.49	166.3	4.36	158.9	4.22	151.4	3.94
		60.8	190.2	4.99	179.7	4.57	169.8	4.15	166.3	4.06	158.9	4.22	151.4	3.94
	104	18.3	190.2	5.28	179.7	4.82	169.8	4.25	166.3	4.10	158.9	3.98	151.4	3.68
		22.9	190.2	5.20	179.7	4.78	169.8	4.22	166.3	4.07	158.9	3.94	151.4	3.65
		45.7	190.2	4.91	179.7	4.64	169.8	4.07	166.3	3.94	158.9	3.79	151.4	3.52
		50.3	190.2	4.91	179.7	4.64	169.8	4.07	166.3	3.94	158.9	3.79	151.4	3.52
		60.8	190.2	4.91	179.7	4.64	169.8	4.07	166.3	3.94	158.9	3.79	151.4	3.52
	113	18.3	190.2	4.89	179.7	4.40	169.8	3.68	166.3	3.55	158.9	3.55	151.4	3.26
		22.9	190.2	4.78	179.7	4.36	169.8	3.65	166.3	3.52	158.9	3.52	151.4	3.23
		45.7	190.2	4.36	179.7	4.22	169.8	3.52	166.3	3.37	158.9	3.37	151.4	3.10
		50.3	190.2	4.49	179.7	4.36	169.8	3.65	166.3	3.52	158.9	3.37	151.4	3.10
		60.8	190.2	4.79	179.7	4.68	169.8	3.95	166.3	3.86	158.9	3.37	151.4	3.10

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	18.3	67.8	5.91	63.6	5.69	60.2	5.45	59.5	5.26	59.1	5.02	58.0	4.62
		22.9	70.1	6.05	65.8	5.81	62.2	5.57	61.5	5.38	61.2	5.13	60.0	4.72
		45.7	79.3	6.57	74.4	6.31	70.3	6.03	69.6	5.83	69.3	5.57	67.9	5.12
		50.3	87.7	7.08	82.1	6.80	77.7	6.51	76.8	6.29	76.5	6.00	74.9	5.52
		60.8	106.9	8.24	99.7	7.92	94.6	7.61	93.2	7.34	92.9	6.98	90.9	6.43
	32	18.3	121.1	8.68	111.7	8.33	104.0	7.99	102.1	7.71	100.6	7.35	96.8	6.77
		22.9	121.8	8.71	112.3	8.36	104.6	8.01	102.7	7.73	101.3	7.37	97.4	6.79
		45.7	124.8	8.81	115.0	8.46	107.1	8.10	105.1	7.82	103.7	7.46	99.7	6.86
		50.3	126.6	8.81	116.7	8.46	108.8	8.10	106.7	7.82	105.3	7.46	101.3	6.86
		60.8	130.7	8.81	120.6	8.46	112.7	8.10	110.4	7.82	109.0	7.46	105.0	6.86
	41	18.3	167.5	9.44	158.1	9.08	151.2	8.67	147.9	8.39	141.5	8.00	134.5	7.36
		22.9	167.9	9.49	158.4	9.13	151.2	8.72	147.9	8.43	141.5	8.04	134.5	7.40
		45.7	169.3	9.69	159.6	9.30	151.4	8.91	147.9	8.60	141.5	8.20	134.5	7.56
		50.3	169.3	9.75	159.5	9.37	151.4	8.97	147.9	8.66	141.5	8.26	134.5	7.60
		60.8	169.3	9.89	159.3	9.53	151.4	9.11	147.9	8.80	141.5	8.40	134.5	7.69
	50	18.3	168.4	8.69	158.8	8.30	151.2	7.87	147.9	7.66	141.5	7.25	134.5	6.71
		22.9	168.6	8.68	158.9	8.28	151.2	7.88	147.9	7.66	141.5	7.25	134.5	6.71
		45.7	169.3	8.63	159.6	8.24	151.4	7.89	147.9	7.67	141.5	7.27	134.5	6.73
		50.3	169.3	8.60	159.5	8.27	151.4	7.92	147.9	7.63	141.5	7.22	134.5	6.69
		60.8	169.3	8.53	159.3	8.34	151.4	7.99	147.9	7.54	141.5	7.11	134.5	6.60
	59	18.3	169.3	7.93	159.5	7.51	151.4	7.05	147.9	6.93	141.5	6.50	134.5	6.08
		22.9	169.3	7.86	159.5	7.44	151.4	7.02	147.9	6.89	141.5	6.47	134.5	6.05
		45.7	169.3	7.59	159.5	7.17	151.4	6.89	147.9	6.74	141.5	6.32	134.5	5.90
		50.3	169.3	7.44	159.5	7.17	151.4	6.89	147.9	6.60	141.5	6.18	134.5	5.76
		60.8	169.3	7.10	159.5	7.17	151.4	6.89	147.9	6.28	141.5	5.86	134.5	5.44
	68	18.3	169.3	6.63	159.5	6.36	151.4	6.05	147.9	5.94	141.5	5.66	134.5	5.24
		22.9	169.3	6.60	159.5	6.32	151.4	6.05	147.9	5.90	141.5	5.62	134.5	5.20
		45.7	169.3	6.47	159.5	6.18	151.4	6.05	147.9	5.76	141.5	5.48	134.5	5.06
		50.3	169.3	6.32	159.5	6.05	151.4	5.90	147.9	5.76	141.5	5.33	134.5	5.06
		60.8	169.3	5.98	159.5	5.75	151.4	5.56	147.9	5.76	141.5	4.99	134.5	5.06
	77	18.3	169.3	5.94	159.5	5.52	151.4	5.20	147.9	5.09	141.5	4.82	134.5	4.52
		22.9	169.3	5.90	159.5	5.48	151.4	5.20	147.9	5.06	141.5	4.78	134.5	4.49
		45.7	169.3	5.76	159.5	5.33	151.4	5.20	147.9	4.91	141.5	4.64	134.5	4.36
		50.3	169.3	5.62	159.5	5.33	151.4	5.06	147.9	4.91	141.5	4.64	134.5	4.36
		60.8	169.3	5.30	159.5	5.33	151.4	4.74	147.9	4.91	141.5	4.64	134.5	4.36
	86	18.3	169.3	5.24	159.5	4.95	151.4	4.67	147.9	4.52	141.5	4.25	134.5	3.98
		22.9	169.3	5.20	159.5	4.91	151.4	4.64	147.9	4.49	141.5	4.22	134.5	3.94
		45.7	169.3	5.06	159.5	4.78	151.4	4.49	147.9	4.36	141.5	4.07	134.5	3.79
		50.3	169.3	5.06	159.5	4.78	151.4	4.49	147.9	4.36	141.5	4.07	134.5	3.79
		60.8	169.3	5.06	159.5	4.78	151.4	4.49	147.9	4.36	141.5	4.07	134.5	3.79
	95	18.3	169.3	4.82	159.5	4.52	151.4	4.10	147.9	3.94	141.5	3.83	134.5	3.52
		22.9	169.3	4.78	159.5	4.49	151.4	4.07	147.9	3.94	141.5	3.79	134.5	3.52
		45.7	169.3	4.64	159.5	4.36	151.4	3.94	147.9	3.94	141.5	3.65	134.5	3.52
		50.3	169.3	4.64	159.5	4.22	151.4	3.94	147.9	3.79	141.5	3.65	134.5	3.37
		60.8	169.3	4.64	159.5	3.90	151.4	3.94	147.9	3.45	141.5	3.65	134.5	3.03
	104	18.3	169.3	4.56	159.5	4.10	151.4	3.65	147.9	3.68	141.5	3.37	134.5	3.26
		22.9	169.3	4.49	159.5	4.07	151.4	3.65	147.9	3.65	141.5	3.37	134.5	3.23
		45.7	169.3	4.22	159.5	3.94	151.4	3.65	147.9	3.52	141.5	3.37	134.5	3.10
		50.3	169.3	4.22	159.5	3.94	151.4	3.52	147.9	3.52	141.5	3.37	134.5	3.10
		60.8	169.3	4.22	159.5	3.94	151.4	3.22	147.9	3.52	141.5	3.37	134.5	3.10
	113	18.3	169.3	4.32	159.5	3.68	151.4	3.19	147.9	3.44	141.5	2.91	134.5	3.02
		22.9	169.3	4.22	159.5	3.65	151.4	3.23	147.9	3.37	141.5	2.95	134.5	2.95
		45.7	169.3	3.79	159.5	3.52	151.4	3.37	147.9	3.10	141.5	3.10	134.5	2.67
		50.3	169.3	3.79	159.5	3.65	151.4	3.10	147.9	3.23	141.5	3.10	134.5	2.81
		60.8	169.3	3.79	159.5	3.95	151.4	2.48	147.9	3.53	141.5	3.10	134.5	3.13

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA

ARWM168DAS5

168,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	23	18.3	59.1	5.08	55.6	4.84	52.6	4.68	52.0	4.41	51.7	4.25	50.8	3.87
		22.9	61.2	5.19	57.5	4.94	54.3	4.78	53.8	4.51	53.4	4.35	52.6	3.95
		45.7	69.3	5.62	65.1	5.36	61.4	5.19	60.8	4.88	60.5	4.71	59.4	4.29
		50.3	76.7	6.08	71.9	5.78	67.9	5.60	67.3	5.26	66.8	5.09	65.6	4.62
		60.8	93.6	7.13	87.4	6.74	82.7	6.54	82.1	6.13	81.2	5.96	79.8	5.37
	32	18.3	105.9	7.43	97.9	7.09	90.9	6.85	89.3	6.45	87.9	6.23	84.8	5.67
		22.9	106.5	7.46	98.5	7.11	91.4	6.87	89.8	6.47	88.4	6.25	85.3	5.68
		45.7	109.0	7.54	100.7	7.18	93.5	6.96	92.0	6.54	90.5	6.32	87.2	5.74
		50.3	110.6	7.54	102.3	7.18	94.9	6.96	93.4	6.54	92.0	6.32	88.6	5.74
		60.8	114.3	7.54	106.0	7.18	98.1	6.96	96.6	6.54	95.4	6.32	91.8	5.74
	41	18.3	146.3	8.10	138.6	7.71	132.0	7.46	129.2	7.03	123.4	6.78	117.6	6.16
		22.9	146.6	8.14	138.9	7.75	132.0	7.50	129.2	7.06	123.4	6.82	117.6	6.19
		45.7	147.9	8.30	139.9	7.91	132.2	7.66	129.2	7.19	123.4	6.96	117.6	6.32
		50.3	147.9	8.36	139.8	7.96	132.2	7.72	129.2	7.25	123.4	7.01	117.6	6.37
		60.8	147.9	8.50	139.6	8.07	132.2	7.86	129.2	7.39	123.4	7.12	117.6	6.48
	50	18.3	147.0	7.46	139.1	7.05	132.2	6.79	129.2	6.41	123.4	6.15	117.6	5.62
		22.9	147.2	7.44	139.2	7.03	132.2	6.77	129.2	6.41	123.4	6.15	117.6	5.62
		45.7	147.9	7.38	139.8	6.98	132.2	6.71	129.2	6.41	123.4	6.15	117.6	5.62
		50.3	147.9	7.41	139.8	7.01	132.2	6.74	129.2	6.44	123.4	6.10	117.6	5.64
		60.8	147.9	7.48	139.8	7.08	132.2	6.81	129.2	6.51	123.4	5.99	117.6	5.69
	59	18.3	147.9	6.81	139.8	6.39	132.2	6.12	129.2	5.79	123.4	5.52	117.6	5.09
		22.9	147.9	6.74	139.8	6.32	132.2	6.05	129.2	5.76	123.4	5.48	117.6	5.06
		45.7	147.9	6.47	139.8	6.05	132.2	5.76	129.2	5.62	123.4	5.33	117.6	4.91
		50.3	147.9	6.47	139.8	6.05	132.2	5.76	129.2	5.62	123.4	5.20	117.6	4.91
		60.8	147.9	6.47	139.8	6.05	132.2	5.76	129.2	5.62	123.4	4.90	117.6	4.91
	68	18.3	147.9	5.66	139.8	5.37	132.2	5.24	129.2	5.09	123.4	4.82	117.6	4.52
		22.9	147.9	5.62	139.8	5.33	132.2	5.20	129.2	5.06	123.4	4.78	117.6	4.49
		45.7	147.9	5.48	139.8	5.20	132.2	5.06	129.2	4.91	123.4	4.64	117.6	4.36
		50.3	147.9	5.48	139.8	5.20	132.2	5.06	129.2	4.78	123.4	4.64	117.6	4.22
		60.8	147.9	5.48	139.8	5.20	132.2	5.06	129.2	4.48	123.4	4.64	117.6	3.90
	77	18.3	147.9	5.09	139.8	4.82	132.2	4.52	129.2	4.40	123.4	4.07	117.6	3.79
		22.9	147.9	5.06	139.8	4.78	132.2	4.49	129.2	4.36	123.4	4.07	117.6	3.79
		45.7	147.9	4.91	139.8	4.64	132.2	4.36	129.2	4.22	123.4	4.07	117.6	3.79
		50.3	147.9	4.78	139.8	4.49	132.2	4.36	129.2	4.22	123.4	3.94	117.6	3.79
		60.8	147.9	4.48	139.8	4.15	132.2	4.36	129.2	4.22	123.4	3.64	117.6	3.79
	86	18.3	147.9	4.52	139.8	4.25	132.2	3.98	129.2	3.79	123.4	3.68	117.6	3.37
		22.9	147.9	4.49	139.8	4.22	132.2	3.94	129.2	3.79	123.4	3.65	117.6	3.37
		45.7	147.9	4.36	139.8	4.07	132.2	3.79	129.2	3.79	123.4	3.52	117.6	3.37
		50.3	147.9	4.36	139.8	4.07	132.2	3.79	129.2	3.65	123.4	3.52	117.6	3.37
		60.8	147.9	4.36	139.8	4.07	132.2	3.79	129.2	3.33	123.4	3.52	117.6	3.37
	95	18.3	147.9	4.10	139.8	3.83	132.2	3.52	129.2	3.55	123.4	3.23	117.6	3.13
		22.9	147.9	4.07	139.8	3.79	132.2	3.52	129.2	3.52	123.4	3.23	117.6	3.10
		45.7	147.9	3.94	139.8	3.65	132.2	3.52	129.2	3.37	123.4	3.23	117.6	2.95
		50.3	147.9	3.94	139.8	3.65	132.2	3.37	129.2	3.37	123.4	3.23	117.6	2.95
		60.8	147.9	3.94	139.8	3.65	132.2	3.03	129.2	3.37	123.4	3.23	117.6	2.95
	104	18.3	147.9	3.83	139.8	3.55	132.2	3.26	129.2	3.10	123.4	2.95	117.6	2.84
		22.9	147.9	3.79	139.8	3.52	132.2	3.23	129.2	3.10	123.4	2.95	117.6	2.81
		45.7	147.9	3.65	139.8	3.37	132.2	3.10	129.2	3.10	123.4	2.95	117.6	2.67
		50.3	147.9	3.65	139.8	3.37	132.2	3.10	129.2	2.95	123.4	2.81	117.6	2.67
		60.8	147.9	3.65	139.8	3.37	132.2	3.10	129.2	2.61	123.4	2.49	117.6	2.67
	113	18.3	147.9	3.55	139.8	3.26	132.2	3.02	129.2	2.64	123.4	2.67	117.6	2.57
		22.9	147.9	3.52	139.8	3.23	132.2	2.95	129.2	2.67	123.4	2.67	117.6	2.53
		45.7	147.9	3.37	139.8	3.10	132.2	2.67	129.2	2.81	123.4	2.67	117.6	2.38
		50.3	147.9	3.37	139.8	3.10	132.2	2.81	129.2	2.53	123.4	2.38	117.6	2.38
		60.8	147.9	3.37	139.8	3.10	132.2	3.13	129.2	1.89	123.4	1.72	117.6	2.38

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	18.3	50.8	4.12	47.6	3.97	45.0	3.81	44.5	3.54	44.3	3.48	43.5	3.11
		22.9	52.6	4.22	49.2	4.06	46.6	3.90	46.1	3.62	45.9	3.56	45.0	3.18
		45.7	59.6	4.58	55.7	4.40	52.7	4.23	52.2	3.92	52.0	3.87	51.0	3.46
		50.3	65.8	4.93	61.5	4.75	58.4	4.56	57.7	4.24	57.5	4.17	56.3	3.72
		60.8	80.0	5.73	74.7	5.55	71.4	5.31	70.3	4.97	70.1	4.85	68.4	4.31
	32	18.3	90.9	6.04	83.7	5.83	78.1	5.58	76.6	5.19	75.5	5.12	72.7	4.57
		22.9	91.4	6.06	84.2	5.84	78.6	5.60	77.0	5.20	76.0	5.13	73.1	4.58
		45.7	93.5	6.13	86.1	5.90	80.5	5.67	78.8	5.26	77.7	5.19	74.7	4.62
		50.3	94.9	6.13	87.6	5.90	81.8	5.67	80.0	5.26	78.9	5.19	76.0	4.62
		60.8	98.1	6.13	91.0	5.90	84.8	5.67	82.7	5.26	81.6	5.19	79.0	4.62
	41	18.3	125.6	6.58	118.5	6.33	113.6	6.07	110.8	5.65	106.0	5.57	100.9	4.96
		22.9	125.9	6.61	118.7	6.37	113.6	6.10	110.8	5.68	106.0	5.60	100.9	4.99
		45.7	126.9	6.74	119.6	6.50	113.6	6.24	110.8	5.80	106.0	5.71	100.9	5.09
		50.3	126.9	6.80	119.4	6.54	113.6	6.28	110.8	5.84	106.0	5.74	100.9	5.13
		60.8	126.9	6.94	118.9	6.63	113.6	6.37	110.8	5.93	106.0	5.81	100.9	5.22
	50	18.3	126.3	6.05	118.9	5.78	113.6	5.51	110.8	5.15	106.0	5.05	100.9	4.52
		22.9	126.4	6.05	119.0	5.78	113.6	5.51	110.8	5.16	106.0	5.04	100.9	4.53
		45.7	126.9	6.05	119.6	5.78	113.6	5.51	110.8	5.22	106.0	5.03	100.9	4.58
		50.3	126.9	6.06	119.4	5.73	113.6	5.45	110.8	5.16	106.0	4.99	100.9	4.53
		60.8	126.9	6.08	118.9	5.62	113.6	5.31	110.8	5.02	106.0	4.90	100.9	4.42
	59	18.3	126.9	5.52	119.4	5.24	113.6	4.95	110.8	4.64	106.0	4.52	100.9	4.07
		22.9	126.9	5.48	119.4	5.20	113.6	4.91	110.8	4.64	106.0	4.49	100.9	4.07
		45.7	126.9	5.33	119.4	5.06	113.6	4.78	110.8	4.64	106.0	4.36	100.9	4.07
		50.3	126.9	5.33	119.4	4.91	113.6	4.64	110.8	4.49	106.0	4.22	100.9	3.94
		60.8	126.9	5.33	119.4	4.57	113.6	4.32	110.8	4.15	106.0	3.90	100.9	3.64
	68	18.3	126.9	4.82	119.4	4.52	113.6	4.25	110.8	4.10	106.0	3.98	100.9	3.68
		22.9	126.9	4.78	119.4	4.49	113.6	4.22	110.8	4.07	106.0	3.94	100.9	3.65
		45.7	126.9	4.64	119.4	4.36	113.6	4.07	110.8	3.94	106.0	3.79	100.9	3.52
		50.3	126.9	4.64	119.4	4.36	113.6	4.07	110.8	3.94	106.0	3.79	100.9	3.52
		60.8	126.9	4.64	119.4	4.36	113.6	4.07	110.8	3.94	106.0	3.79	100.9	3.52
	77	18.3	126.9	4.25	119.4	3.98	113.6	3.65	110.8	3.68	106.0	3.37	100.9	3.26
		22.9	126.9	4.22	119.4	3.94	113.6	3.65	110.8	3.65	106.0	3.37	100.9	3.23
		45.7	126.9	4.07	119.4	3.79	113.6	3.65	110.8	3.52	106.0	3.37	100.9	3.10
		50.3	126.9	4.07	119.4	3.79	113.6	3.52	110.8	3.52	106.0	3.37	100.9	3.10
		60.8	126.9	4.07	119.4	3.79	113.6	3.22	110.8	3.52	106.0	3.37	100.9	3.10
	86	18.3	126.9	3.83	119.4	3.55	113.6	3.41	110.8	3.26	106.0	3.13	100.9	2.99
		22.9	126.9	3.79	119.4	3.52	113.6	3.37	110.8	3.23	106.0	3.10	100.9	2.95
		45.7	126.9	3.65	119.4	3.37	113.6	3.23	110.8	3.10	106.0	2.95	100.9	2.81
		50.3	126.9	3.65	119.4	3.37	113.6	3.23	110.8	3.10	106.0	2.95	100.9	2.81
		60.8	126.9	3.65	119.4	3.37	113.6	3.23	110.8	3.10	106.0	2.95	100.9	2.81
	95	18.3	126.9	3.37	119.4	3.26	113.6	2.95	110.8	2.99	106.0	2.84	100.9	2.71
		22.9	126.9	3.37	119.4	3.23	113.6	2.95	110.8	2.95	106.0	2.81	100.9	2.67
		45.7	126.9	3.37	119.4	3.10	113.6	2.95	110.8	2.81	106.0	2.67	100.9	2.53
		50.3	126.9	3.37	119.4	3.10	113.6	2.81	110.8	2.81	106.0	2.67	100.9	2.53
		60.8	126.9	3.37	119.4	3.10	113.6	2.49	110.8	2.81	106.0	2.67	100.9	2.53
	104	18.3	126.9	3.10	119.4	2.99	113.6	2.67	110.8	2.71	106.0	2.57	100.9	2.38
		22.9	126.9	3.10	119.4	2.95	113.6	2.67	110.8	2.67	106.0	2.53	100.9	2.38
		45.7	126.9	3.10	119.4	2.81	113.6	2.67	110.8	2.53	106.0	2.38	100.9	2.38
		50.3	126.9	3.10	119.4	2.81	113.6	2.67	110.8	2.53	106.0	2.38	100.9	2.38
		60.8	126.9	3.10	119.4	2.81	113.6	2.67	110.8	2.53	106.0	2.38	100.9	2.38
	113	18.3	126.9	2.81	119.4	2.71	113.6	2.38	110.8	2.42	106.0	2.29	100.9	2.07
		22.9	126.9	2.81	119.4	2.67	113.6	2.38	110.8	2.38	106.0	2.25	100.9	2.11
		45.7	126.9	2.81	119.4	2.53	113.6	2.38	110.8	2.25	106.0	2.11	100.9	2.25
		50.3	126.9	2.81	119.4	2.53	113.6	2.53	110.8	2.25	106.0	2.11	100.9	2.25
		60.8	126.9	2.81	119.4	2.53	113.6	2.87	110.8	2.25	106.0	2.11	100.9	2.25

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM168DAS5

168,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	18.3	42.4	3.29	39.8	3.11	37.6	2.95	37.0	2.79	36.9	2.62	36.2	2.48
		22.9	43.8	3.36	41.1	3.18	38.9	3.01	38.3	2.85	38.2	2.67	37.4	2.53
		45.7	49.4	3.63	46.4	3.46	44.0	3.26	43.4	3.10	43.3	2.91	42.4	2.73
		50.3	54.7	3.92	51.3	3.72	48.5	3.52	48.0	3.34	47.6	3.12	46.9	2.95
		60.8	66.8	4.58	62.5	4.31	58.8	4.11	58.5	3.89	57.4	3.60	57.2	3.45
	32	18.3	75.5	4.81	69.9	4.57	65.0	4.30	63.6	4.08	62.7	3.84	60.5	3.62
		22.9	76.0	4.83	70.3	4.58	65.4	4.32	64.0	4.10	63.1	3.85	60.8	3.63
		45.7	77.7	4.87	71.9	4.62	67.0	4.37	65.6	4.16	64.7	3.90	62.2	3.68
		50.3	78.9	4.87	73.0	4.62	67.9	4.37	66.6	4.16	65.6	3.90	63.3	3.68
		60.8	81.6	4.87	75.5	4.62	70.0	4.37	68.9	4.16	67.7	3.90	65.8	3.68
	41	18.3	104.4	5.24	99.0	4.96	94.4	4.68	92.1	4.45	88.1	4.18	84.0	3.93
		22.9	104.6	5.26	99.2	4.99	94.4	4.71	92.1	4.48	88.1	4.20	84.0	3.95
		45.7	105.5	5.36	99.9	5.09	94.6	4.81	92.1	4.56	88.1	4.27	84.0	4.04
		50.3	105.5	5.41	99.7	5.13	94.6	4.84	92.1	4.59	88.1	4.32	84.0	4.07
		60.8	105.5	5.52	99.2	5.22	94.6	4.91	92.1	4.66	88.1	4.43	84.0	4.14
	50	18.3	105.0	4.82	99.2	4.54	94.4	4.27	92.1	4.08	88.1	3.77	84.0	3.60
		22.9	105.1	4.81	99.3	4.53	94.4	4.26	92.1	4.07	88.1	3.78	84.0	3.59
		45.7	105.5	4.78	99.9	4.52	94.6	4.23	92.1	4.04	88.1	3.82	84.0	3.56
		50.3	105.5	4.81	99.7	4.53	94.6	4.24	92.1	4.06	88.1	3.76	84.0	3.58
		60.8	105.5	4.88	99.2	4.55	94.6	4.26	92.1	4.11	88.1	3.62	84.0	3.63
	59	18.3	105.5	4.40	99.7	4.10	94.6	3.83	92.1	3.68	88.1	3.37	84.0	3.26
		22.9	105.5	4.36	99.7	4.07	94.6	3.79	92.1	3.65	88.1	3.37	84.0	3.23
		45.7	105.5	4.22	99.7	3.94	94.6	3.65	92.1	3.52	88.1	3.37	84.0	3.10
		50.3	105.5	4.22	99.7	3.94	94.6	3.65	92.1	3.52	88.1	3.23	84.0	3.10
		60.8	105.5	4.22	99.7	3.94	94.6	3.65	92.1	3.52	88.1	2.91	84.0	3.10
	68	18.3	105.5	3.83	99.7	3.55	94.6	3.41	92.1	3.26	88.1	3.13	84.0	2.81
		22.9	105.5	3.79	99.7	3.52	94.6	3.37	92.1	3.23	88.1	3.10	84.0	2.81
		45.7	105.5	3.65	99.7	3.37	94.6	3.23	92.1	3.10	88.1	2.95	84.0	2.81
		50.3	105.5	3.65	99.7	3.37	94.6	3.23	92.1	3.10	88.1	2.95	84.0	2.81
		60.8	105.5	3.65	99.7	3.37	94.6	3.23	92.1	3.10	88.1	2.95	84.0	2.81
	77	18.3	105.5	3.41	99.7	3.10	94.6	2.99	92.1	2.81	88.1	2.67	84.0	2.53
		22.9	105.5	3.37	99.7	3.10	94.6	2.95	92.1	2.81	88.1	2.67	84.0	2.53
		45.7	105.5	3.23	99.7	3.10	94.6	2.81	92.1	2.81	88.1	2.67	84.0	2.53
		50.3	105.5	3.23	99.7	3.10	94.6	2.81	92.1	2.81	88.1	2.67	84.0	2.53
		60.8	105.5	3.23	99.7	3.10	94.6	2.81	92.1	2.81	88.1	2.67	84.0	2.53
	86	18.3	105.5	3.13	99.7	2.84	94.6	2.71	92.1	2.53	88.1	2.57	84.0	2.42
		22.9	105.5	3.10	99.7	2.81	94.6	2.67	92.1	2.53	88.1	2.53	84.0	2.38
		45.7	105.5	2.95	99.7	2.67	94.6	2.53	92.1	2.53	88.1	2.38	84.0	2.25
		50.3	105.5	2.95	99.7	2.67	94.6	2.53	92.1	2.53	88.1	2.38	84.0	2.25
		60.8	105.5	2.95	99.7	2.67	94.6	2.53	92.1	2.53	88.1	2.38	84.0	2.25
	95	18.3	105.5	2.84	99.7	2.53	94.6	2.38	92.1	2.42	88.1	2.25	84.0	2.11
		22.9	105.5	2.81	99.7	2.53	94.6	2.38	92.1	2.38	88.1	2.25	84.0	2.11
		45.7	105.5	2.67	99.7	2.53	94.6	2.38	92.1	2.25	88.1	2.25	84.0	2.11
		50.3	105.5	2.67	99.7	2.53	94.6	2.38	92.1	2.25	88.1	2.25	84.0	2.11
		60.8	105.5	2.67	99.7	2.53	94.6	2.38	92.1	2.25	88.1	2.25	84.0	2.11
	104	18.3	105.5	2.57	99.7	2.42	94.6	2.29	92.1	2.11	88.1	2.14	84.0	1.96
		22.9	105.5	2.53	99.7	2.38	94.6	2.25	92.1	2.11	88.1	2.11	84.0	1.96
		45.7	105.5	2.38	99.7	2.25	94.6	2.11	92.1	2.11	88.1	1.96	84.0	1.96
		50.3	105.5	2.38	99.7	2.25	94.6	2.11	92.1	2.11	88.1	1.96	84.0	1.96
		60.8	105.5	2.38	99.7	2.25	94.6	2.11	92.1	2.11	88.1	1.96	84.0	1.96
	113	18.3	105.5	2.29	99.7	2.33	94.6	2.18	92.1	1.80	88.1	2.03	84.0	1.83
		22.9	105.5	2.25	99.7	2.25	94.6	2.11	92.1	1.83	88.1	1.96	84.0	1.83
		45.7	105.5	2.11	99.7	1.96	94.6	1.83	92.1	1.96	88.1	1.69	84.0	1.83
		50.3	105.5	2.11	99.7	1.96	94.6	1.83	92.1	1.96	88.1	1.69	84.0	1.83
		60.8	105.5	2.11	99.7	1.96	94.6	1.83	92.1	1.96	88.1	1.69	84.0	1.83

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

### 192,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	20.3	102.2	10.89	101.4	10.25	100.8	9.55	99.5	9.26	100.6	9.02	97.9	8.09
		25.4	105.7	11.08	104.9	10.45	104.3	9.75	102.9	9.47	104.1	9.22	101.3	8.27
		50.7	119.6	11.83	118.5	11.24	117.9	10.58	116.3	10.27	117.7	9.99	114.7	8.97
		55.8	132.2	12.59	131.0	12.01	130.2	11.40	128.6	11.10	130.2	10.78	126.8	9.66
		60.8	144.6	13.34	143.3	12.76	142.3	12.20	140.7	11.91	142.5	11.55	138.7	10.34
	32	20.3	182.5	14.90	178.4	14.45	174.6	13.98	170.8	13.59	171.4	13.21	163.5	11.83
		25.4	183.7	14.94	179.4	14.49	175.6	14.02	171.8	13.63	172.4	13.25	164.6	11.87
		50.7	188.1	15.10	183.4	14.63	179.6	14.18	175.8	13.79	176.4	13.39	168.6	12.01
		55.8	190.9	15.10	186.3	14.63	182.4	14.18	178.4	13.79	179.0	13.39	171.0	12.01
		60.8	193.6	15.10	189.1	14.63	185.1	14.18	180.9	13.79	181.5	13.39	173.4	12.01
	41	20.3	262.9	16.01	258.9	15.62	253.5	15.22	247.1	14.79	240.5	14.38	227.3	12.88
		25.4	263.8	16.08	259.4	15.69	253.6	15.30	247.1	14.86	240.5	14.45	227.3	12.95
		50.7	267.4	16.37	261.2	15.98	253.8	15.60	247.1	15.17	240.5	14.74	227.3	13.22
		55.8	269.0	16.48	262.0	16.08	253.8	15.71	247.1	15.28	240.5	14.85	227.3	13.30
		60.8	270.6	16.59	262.8	16.18	253.8	15.82	247.1	15.39	240.5	14.96	227.3	13.38
	50	20.3	263.3	14.57	259.0	14.08	252.8	13.82	246.1	13.51	239.6	13.04	226.3	11.77
		25.4	264.8	14.54	260.2	14.09	253.8	13.84	247.1	13.50	240.5	13.04	227.3	11.76
		50.7	271.1	14.43	265.0	14.15	257.8	13.95	251.2	13.48	244.1	13.00	230.9	11.73
		55.8	272.5	14.63	266.8	14.34	259.4	14.00	252.4	13.54	245.7	13.22	232.3	12.28
		60.8	273.9	14.83	268.6	14.53	261.0	14.05	253.6	13.60	247.3	13.44	233.7	12.82
	59	20.3	263.6	13.13	259.0	12.57	251.7	12.44	245.1	12.23	238.7	11.71	225.4	10.67
		25.4	265.8	13.00	261.0	12.52	253.8	12.41	247.1	12.14	240.5	11.62	227.3	10.58
		50.7	274.5	12.48	268.8	12.30	261.8	12.30	255.2	11.78	247.7	11.26	234.5	10.22
		55.8	275.9	12.78	271.5	12.59	265.0	12.30	257.8	11.78	251.2	11.58	237.3	11.26
		60.8	277.3	13.07	274.1	12.87	268.1	12.30	260.3	11.78	254.6	11.89	240.0	12.28
	68	20.3	273.7	12.05	268.7	11.48	261.6	11.23	254.4	10.87	247.0	10.63	232.3	10.31
		25.4	275.9	11.96	270.9	11.48	263.6	11.22	256.4	10.92	249.2	10.70	234.5	10.22
		50.7	284.5	11.62	279.5	11.44	271.7	11.19	264.4	11.10	257.8	10.99	243.1	9.88
		55.8	285.7	11.62	281.5	11.44	274.9	11.26	267.0	11.10	259.8	10.99	245.1	10.51
		60.8	286.9	11.62	283.5	11.44	278.0	11.33	269.5	11.10	261.8	10.99	247.1	11.13
	77	20.3	288.9	11.49	281.5	11.15	274.9	10.97	269.6	10.78	263.6	10.62	248.6	9.93
		25.4	288.9	11.44	281.5	11.14	274.9	10.92	269.6	10.74	263.6	10.58	248.6	9.88
		50.7	288.9	11.26	281.5	11.06	274.9	10.74	269.6	10.58	263.6	10.40	248.6	9.70
		55.8	288.9	11.10	281.5	10.78	274.9	10.58	269.6	10.40	263.6	10.22	248.6	9.54
		60.8	288.9	10.94	281.5	10.51	274.9	10.42	269.6	10.22	263.6	10.04	248.6	9.38
	86	20.3	288.9	11.19	281.5	10.63	274.9	10.54	269.6	10.26	263.6	10.15	248.6	9.45
		25.4	288.9	11.10	281.5	10.62	274.9	10.47	269.6	10.22	263.6	10.06	248.6	9.36
		50.7	288.9	10.74	281.5	10.54	274.9	10.22	269.6	10.06	263.6	9.70	248.6	9.02
		55.8	288.9	10.58	281.5	10.26	274.9	10.06	269.6	9.88	263.6	9.70	248.6	9.02
		60.8	288.9	10.42	281.5	9.99	274.9	9.90	269.6	9.70	263.6	9.70	248.6	9.02
	95	20.3	288.9	10.67	281.5	10.32	274.9	10.10	269.6	9.74	263.6	9.41	248.6	8.75
		25.4	288.9	10.58	281.5	10.26	274.9	10.06	269.6	9.70	263.6	9.36	248.6	8.66
		50.7	288.9	10.22	281.5	10.02	274.9	9.88	269.6	9.54	263.6	9.18	248.6	8.32
		55.8	288.9	10.22	281.5	9.92	274.9	9.70	269.6	9.36	263.6	9.02	248.6	8.32
		60.8	288.9	10.22	281.5	9.82	274.9	9.52	269.6	9.18	263.6	8.86	248.6	8.32
	104	20.3	288.9	10.31	281.5	9.98	274.9	9.79	269.6	9.45	263.6	9.11	248.6	8.23
		25.4	288.9	10.22	281.5	9.92	274.9	9.70	269.6	9.36	263.6	9.02	248.6	8.14
		50.7	288.9	9.88	281.5	9.66	274.9	9.36	269.6	9.02	263.6	8.66	248.6	7.80
		55.8	288.9	9.70	281.5	9.50	274.9	9.36	269.6	9.02	263.6	8.66	248.6	7.80
		60.8	288.9	9.52	281.5	9.34	274.9	9.36	269.6	9.02	263.6	8.66	248.6	7.80
	113	20.3	288.9	9.97	281.5	9.64	274.9	9.49	269.6	9.15	263.6	8.79	248.6	7.71
		25.4	288.9	9.88	281.5	9.58	274.9	9.36	269.6	9.02	263.6	8.66	248.6	7.62
		50.7	288.9	9.54	281.5	9.32	274.9	8.84	269.6	8.50	263.6	8.14	248.6	7.28
		55.8	288.9	9.18	281.5	9.09	274.9	9.02	269.6	8.66	263.6	8.32	248.6	7.28
		60.8	288.9	8.83	281.5	8.86	274.9	9.20	269.6	8.82	263.6	8.50	248.6	7.28

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM192DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	20.3	97.1	10.89	96.4	10.25	95.8	9.55	94.6	9.14	95.4	8.88	92.8	7.95
		25.4	100.5	11.08	99.7	10.45	99.1	9.75	97.9	9.34	98.7	9.07	96.0	8.12
		50.7	113.7	11.83	112.7	11.24	112.1	10.58	110.7	10.13	111.7	9.84	108.7	8.82
		55.8	125.6	12.59	124.6	12.01	123.8	11.40	122.4	10.94	123.4	10.62	120.0	9.50
		60.8	137.3	13.34	136.3	12.76	135.3	12.20	133.9	11.73	134.9	11.38	131.1	10.17
	32	20.3	173.6	14.90	169.4	14.45	165.8	13.98	162.4	13.39	162.4	13.02	155.0	11.64
		25.4	174.6	14.94	170.4	14.49	166.8	14.02	163.4	13.43	163.4	13.05	155.9	11.67
		50.7	178.6	15.10	174.4	14.63	170.8	14.18	167.2	13.59	167.2	13.20	159.7	11.82
		55.8	181.4	15.10	177.2	14.63	173.4	14.18	169.8	13.59	169.6	13.20	162.2	11.82
		60.8	184.1	15.10	179.9	14.63	175.9	14.18	172.3	13.59	172.0	13.20	164.7	11.82
	41	20.3	250.2	16.01	246.5	15.62	241.1	15.22	235.3	14.57	227.9	14.16	215.4	12.69
		25.4	251.2	16.08	246.9	15.69	241.1	15.30	235.3	14.65	227.9	14.24	215.4	12.75
		50.7	254.8	16.37	248.8	15.98	241.1	15.60	235.3	14.95	227.9	14.52	215.4	13.00
		55.8	256.2	16.48	247.3	16.08	241.1	15.71	235.3	15.06	227.9	14.63	215.4	13.09
		60.8	257.6	16.59	245.8	16.18	241.1	15.82	235.3	15.17	227.9	14.74	215.4	13.18
	50	20.3	251.2	14.38	246.5	13.99	240.5	13.70	234.6	13.29	227.2	12.85	214.8	11.55
		25.4	252.4	14.43	247.5	14.04	241.1	13.75	235.3	13.30	227.9	12.84	215.4	11.57
		50.7	257.0	14.63	251.6	14.26	243.7	13.95	237.9	13.38	230.3	12.80	217.6	11.62
		55.8	258.4	14.58	250.8	14.26	244.7	14.00	238.9	13.43	231.3	12.86	218.6	12.01
		60.8	259.8	14.53	250.0	14.26	245.7	14.05	239.9	13.48	232.3	12.92	219.6	12.39
	59	20.3	251.9	12.76	246.8	12.38	239.7	12.19	234.0	12.01	226.7	11.53	214.2	10.45
		25.4	253.4	12.78	248.3	12.41	241.1	12.21	235.3	11.96	227.9	11.44	215.4	10.40
		50.7	259.2	12.89	254.4	12.52	246.5	12.30	240.5	11.78	232.5	11.10	220.0	10.22
		55.8	260.6	12.70	254.2	12.41	248.6	12.30	242.5	11.78	234.5	11.10	222.0	10.92
		60.8	262.0	12.51	254.0	12.30	250.7	12.30	244.5	11.78	236.5	11.10	224.0	11.61
	68	20.3	258.9	11.48	254.1	10.99	246.4	10.70	239.6	10.54	231.8	10.41	219.3	9.88
		25.4	260.6	11.48	255.6	11.03	247.7	10.74	241.1	10.58	233.3	10.40	220.6	9.84
		50.7	267.2	11.48	261.6	11.19	253.2	10.92	247.1	10.74	239.1	10.36	225.8	9.70
		55.8	268.4	11.37	261.4	11.10	255.2	10.92	248.6	10.74	240.5	10.40	227.3	10.06
		60.8	269.6	11.26	261.2	11.01	257.2	10.92	250.1	10.74	241.9	10.44	228.8	10.41
	77	20.3	271.5	10.85	263.6	10.35	255.2	10.15	249.8	9.93	243.1	9.74	229.9	9.06
		25.4	271.7	10.81	263.6	10.33	255.2	10.13	249.8	9.88	243.1	9.70	229.9	9.02
		50.7	272.3	10.65	263.6	10.26	255.2	10.06	249.8	9.70	243.1	9.54	229.9	8.84
		55.8	273.1	10.26	263.6	9.99	255.2	9.88	249.8	9.70	243.1	9.36	229.9	8.84
		60.8	273.9	9.88	263.6	9.73	255.2	9.70	249.8	9.70	243.1	9.18	229.9	8.84
	86	20.3	273.1	10.38	263.6	9.87	255.2	9.58	249.8	9.22	243.1	9.11	229.9	8.37
		25.4	273.1	10.29	263.6	9.81	255.2	9.54	249.8	9.18	243.1	9.02	229.9	8.32
		50.7	273.1	9.95	263.6	9.58	255.2	9.36	249.8	9.02	243.1	8.66	229.9	8.14
		55.8	273.1	9.63	263.6	9.36	255.2	9.18	249.8	9.02	243.1	8.66	229.9	7.98
		60.8	273.1	9.32	263.6	9.14	255.2	9.00	249.8	9.02	243.1	8.66	229.9	7.82
	95	20.3	273.1	9.91	263.6	9.37	255.2	9.11	249.8	8.75	243.1	8.41	229.9	7.66
		25.4	273.1	9.77	263.6	9.29	255.2	9.02	249.8	8.66	243.1	8.32	229.9	7.62
		50.7	273.1	9.22	263.6	8.95	255.2	8.66	249.8	8.32	243.1	7.98	229.9	7.46
		55.8	273.1	9.11	263.6	8.88	255.2	8.66	249.8	8.32	243.1	7.98	229.9	7.28
		60.8	273.1	9.00	263.6	8.81	255.2	8.66	249.8	8.32	243.1	7.98	229.9	7.10
	104	20.3	273.1	9.62	263.6	8.94	255.2	8.59	249.8	8.23	243.1	7.89	229.9	7.14
		25.4	273.1	9.43	263.6	8.84	255.2	8.50	249.8	8.14	243.1	7.80	229.9	7.10
		50.7	273.1	8.70	263.6	8.43	255.2	8.14	249.8	7.80	243.1	7.46	229.9	6.94
		55.8	273.1	8.59	263.6	8.32	255.2	8.14	249.8	7.80	243.1	7.46	229.9	6.76
		60.8	273.1	8.48	263.6	8.21	255.2	8.14	249.8	7.80	243.1	7.46	229.9	6.58
	113	20.3	273.1	9.32	263.6	8.51	255.2	8.07	249.8	7.71	243.1	7.37	229.9	6.62
		25.4	273.1	9.09	263.6	8.39	255.2	7.98	249.8	7.62	243.1	7.28	229.9	6.58
		50.7	273.1	8.18	263.6	7.91	255.2	7.62	249.8	7.28	243.1	6.94	229.9	6.42
		55.8	273.1	8.07	263.6	7.76	255.2	7.62	249.8	7.28	243.1	6.94	229.9	6.24
		60.8	273.1	7.96	263.6	7.61	255.2	7.62	249.8	7.28	243.1	6.94	229.9	6.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	20.3	91.9	11.03	91.3	10.25	90.7	9.55	89.7	9.14	90.0	8.88	88.0	7.95
		25.4	95.0	11.22	94.4	10.45	93.8	9.75	92.8	9.34	93.0	9.07	91.0	8.12
		50.7	107.5	11.98	106.9	11.24	106.3	10.58	105.1	10.13	105.1	9.84	103.1	8.82
		55.8	118.7	12.75	117.9	12.01	117.3	11.40	116.1	10.94	116.1	10.62	113.7	9.50
		60.8	129.7	13.50	128.7	12.76	128.1	12.20	126.9	11.73	126.9	11.38	124.1	10.17
	32	20.3	164.2	15.10	160.6	14.45	157.2	13.98	154.2	13.39	152.8	13.02	147.0	11.64
		25.4	165.2	15.13	161.5	14.49	158.1	14.02	155.1	13.43	153.7	13.05	147.9	11.67
		50.7	169.0	15.28	165.4	14.63	161.7	14.18	158.7	13.59	157.3	13.20	151.3	11.82
		55.8	171.6	15.28	168.0	14.63	164.4	14.18	161.1	13.59	159.7	13.20	153.5	11.82
		60.8	174.1	15.28	170.5	14.63	167.0	14.18	163.5	13.59	162.1	13.20	155.7	11.82
	41	20.3	239.5	16.23	233.8	15.62	228.4	15.22	223.2	14.57	214.6	14.16	204.1	12.69
		25.4	240.3	16.30	234.3	15.69	228.5	15.30	223.2	14.65	214.6	14.24	204.1	12.75
		50.7	243.5	16.59	236.1	15.98	228.7	15.60	223.2	14.95	214.6	14.52	204.1	13.00
		55.8	244.9	16.69	236.7	16.08	228.7	15.71	223.2	15.06	214.6	14.63	204.1	13.09
		60.8	246.3	16.79	237.3	16.18	228.7	15.82	223.2	15.17	214.6	14.74	204.1	13.18
	50	20.3	240.4	14.55	234.5	14.05	228.1	13.75	222.9	13.29	214.2	12.85	203.9	11.55
		25.4	241.3	14.58	235.1	14.09	228.5	13.79	223.2	13.30	214.6	12.84	204.1	11.57
		50.7	244.9	14.69	237.5	14.26	229.9	13.95	224.6	13.38	216.0	12.80	205.1	11.62
		55.8	246.3	14.69	238.5	14.26	230.7	13.91	225.0	13.34	216.4	12.86	205.8	11.74
		60.8	247.7	14.69	239.5	14.26	231.5	13.87	225.4	13.30	216.8	12.92	206.5	11.86
	59	20.3	241.1	12.87	234.8	12.52	228.0	12.30	222.6	12.01	213.9	11.53	203.6	10.45
		25.4	242.1	12.86	235.7	12.52	228.7	12.30	223.2	11.96	214.6	11.44	204.1	10.40
		50.7	246.1	12.78	239.1	12.52	231.3	12.30	225.8	11.78	217.4	11.10	206.2	10.22
		55.8	247.5	12.70	240.3	12.41	232.5	12.14	226.6	11.62	218.0	11.10	207.4	10.40
		60.8	248.9	12.62	241.5	12.30	233.7	11.98	227.4	11.46	218.6	11.10	208.6	10.58
	68	20.3	245.6	11.11	238.9	10.85	231.2	10.58	225.0	10.40	216.7	10.10	205.3	9.45
		25.4	246.9	11.14	239.7	10.85	231.9	10.58	225.8	10.40	217.4	10.06	206.2	9.43
		50.7	252.2	11.22	242.9	10.85	234.5	10.58	229.3	10.40	220.0	9.88	209.4	9.36
		55.8	253.6	11.22	244.9	10.85	235.9	10.58	229.9	10.22	221.2	9.88	210.0	9.36
		60.8	255.0	11.22	246.9	10.85	237.3	10.58	230.5	10.04	222.4	9.88	210.6	9.36
	77	20.3	253.3	10.11	245.7	9.74	235.9	9.58	230.7	9.22	222.6	8.89	210.8	8.14
		25.4	253.8	10.10	245.7	9.70	235.9	9.54	230.7	9.18	222.6	8.84	210.8	8.14
		50.7	255.8	10.02	245.7	9.54	235.9	9.36	230.7	9.02	222.6	8.66	210.8	8.14
		55.8	257.0	10.02	245.7	9.58	235.9	9.18	230.7	9.02	222.6	8.50	210.8	7.98
		60.8	258.2	10.02	245.7	9.62	235.9	9.00	230.7	9.02	222.6	8.34	210.8	7.82
	86	20.3	257.0	9.22	245.7	8.89	235.9	8.54	230.7	8.37	222.6	7.85	210.8	7.33
		25.4	257.0	9.18	245.7	8.84	235.9	8.50	230.7	8.32	222.6	7.80	210.8	7.28
		50.7	257.0	9.02	245.7	8.66	235.9	8.32	230.7	8.14	222.6	7.62	210.8	7.10
		55.8	257.0	8.95	245.7	8.50	235.9	8.14	230.7	7.98	222.6	7.62	210.8	7.10
		60.8	257.0	8.88	245.7	8.34	235.9	7.96	230.7	7.82	222.6	7.62	210.8	7.10
	95	20.3	257.0	8.75	245.7	8.18	235.9	7.85	230.7	7.50	222.6	7.14	210.8	6.62
		25.4	257.0	8.66	245.7	8.14	235.9	7.80	230.7	7.46	222.6	7.10	210.8	6.58
		50.7	257.0	8.32	245.7	7.98	235.9	7.62	230.7	7.28	222.6	6.94	210.8	6.42
		55.8	257.0	8.10	245.7	7.80	235.9	7.46	230.7	7.28	222.6	6.94	210.8	6.42
		60.8	257.0	7.88	245.7	7.62	235.9	7.30	230.7	7.28	222.6	6.94	210.8	6.42
	104	20.3	257.0	8.23	245.7	7.89	235.9	7.37	230.7	6.98	222.6	6.62	210.8	6.10
		25.4	257.0	8.14	245.7	7.80	235.9	7.28	230.7	6.94	222.6	6.58	210.8	6.06
		50.7	257.0	7.80	245.7	7.46	235.9	6.94	230.7	6.76	222.6	6.42	210.8	5.90
		55.8	257.0	7.69	245.7	7.28	235.9	6.94	230.7	6.58	222.6	6.24	210.8	5.72
		60.8	257.0	7.58	245.7	7.10	235.9	6.94	230.7	6.40	222.6	6.06	210.8	5.54
	113	20.3	257.0	7.71	245.7	7.59	235.9	6.89	230.7	6.46	222.6	6.10	210.8	5.58
		25.4	257.0	7.62	245.7	7.46	235.9	6.76	230.7	6.42	222.6	6.06	210.8	5.54
		50.7	257.0	7.28	245.7	6.94	235.9	6.24	230.7	6.24	222.6	5.90	210.8	5.38
		55.8	257.0	7.28	245.7	6.76	235.9	6.42	230.7	5.90	222.6	5.54	210.8	5.02
		60.8	257.0	7.28	245.7	6.58	235.9	6.60	230.7	5.57	222.6	5.19	210.8	4.67

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM192DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	20.3	86.8	11.03	86.2	10.40	85.9	9.55	85.1	9.14	84.3	8.73	82.7	7.95
		25.4	89.8	11.22	89.2	10.60	88.8	9.75	88.0	9.34	87.2	8.93	85.6	8.12
		50.7	101.7	11.98	101.1	11.39	100.5	10.58	99.5	10.13	98.7	9.70	97.0	8.82
		55.8	112.3	12.75	111.5	12.18	110.9	11.40	109.9	10.94	109.1	10.45	107.1	9.50
		60.8	122.7	13.50	121.7	12.95	121.1	12.20	120.1	11.73	119.3	11.19	117.0	10.17
	32	20.3	155.2	15.10	151.8	14.65	148.6	13.98	146.0	13.39	143.4	12.82	138.4	11.64
		25.4	156.1	15.13	152.7	14.69	149.5	14.02	146.9	13.43	144.3	12.86	139.2	11.67
		50.7	159.7	15.28	156.3	14.83	152.9	14.18	150.3	13.59	147.7	13.00	142.5	11.82
		55.8	162.2	15.28	158.7	14.83	155.3	14.18	152.5	13.59	149.9	13.00	144.7	11.82
		60.8	164.7	15.28	161.1	14.83	157.7	14.18	154.7	13.59	152.1	13.00	146.9	11.82
	41	20.3	229.1	16.23	221.4	15.83	215.7	15.22	211.4	14.57	201.3	13.95	192.1	12.69
		25.4	229.9	16.30	221.8	15.90	215.8	15.30	211.4	14.65	201.3	14.02	192.1	12.75
		50.7	233.1	16.59	223.4	16.19	216.0	15.60	211.4	14.95	201.3	14.31	192.1	13.00
		55.8	234.5	16.69	224.0	16.30	216.0	15.71	211.4	15.06	201.3	14.40	192.1	13.09
		60.8	235.9	16.79	224.6	16.41	216.0	15.82	211.4	15.17	201.3	14.49	192.1	13.18
	50	20.3	230.3	14.51	222.1	14.19	216.0	13.75	211.4	13.29	201.3	12.63	192.1	11.55
		25.4	230.9	14.58	222.4	14.24	216.0	13.79	211.4	13.30	201.3	12.64	192.1	11.57
		50.7	233.1	14.85	223.6	14.42	216.0	13.95	211.4	13.38	201.3	12.70	192.1	11.62
		55.8	234.7	14.79	224.6	14.42	216.0	13.91	211.4	13.34	201.3	12.66	192.1	11.57
		60.8	236.3	14.73	225.6	14.42	216.0	13.87	211.4	13.30	201.3	12.62	192.1	11.52
	59	20.3	231.6	12.79	223.1	12.58	216.0	12.30	211.4	12.01	201.3	11.30	192.1	10.45
		25.4	231.9	12.86	223.2	12.59	216.0	12.30	211.4	11.96	201.3	11.26	192.1	10.40
		50.7	233.1	13.11	223.8	12.62	216.0	12.30	211.4	11.78	201.3	11.10	192.1	10.22
		55.8	235.1	12.89	225.0	12.52	216.0	12.14	211.4	11.62	201.3	10.92	192.1	10.06
		60.8	237.1	12.67	226.2	12.42	216.0	11.98	211.4	11.46	201.3	10.74	192.1	9.90
	68	20.3	232.8	10.94	224.3	10.66	216.0	10.40	211.4	10.26	201.3	9.58	192.1	9.11
		25.4	233.7	10.99	224.4	10.67	216.0	10.40	211.4	10.22	201.3	9.54	192.1	9.02
		50.7	237.1	11.19	225.0	10.70	216.0	10.40	211.4	10.06	201.3	9.36	192.1	8.66
		55.8	238.5	10.99	227.1	10.62	216.0	10.22	211.4	9.88	201.3	9.18	192.1	8.50
		60.8	239.9	10.79	229.2	10.54	216.0	10.04	211.4	9.70	201.3	9.00	192.1	8.34
	77	20.3	235.6	9.57	227.9	9.27	216.0	8.89	211.4	8.54	201.3	8.02	192.1	7.28
		25.4	236.5	9.58	227.9	9.22	216.0	8.84	211.4	8.50	201.3	7.98	192.1	7.28
		50.7	239.9	9.61	227.9	9.02	216.0	8.66	211.4	8.32	201.3	7.80	192.1	7.28
		55.8	241.1	9.40	227.9	8.95	216.0	8.50	211.4	8.14	201.3	7.80	192.1	7.10
		60.8	242.3	9.19	227.9	8.88	216.0	8.34	211.4	7.96	201.3	7.80	192.1	6.92
	86	20.3	241.1	8.70	227.9	8.02	216.0	7.48	211.4	7.33	201.3	6.76	192.1	6.46
		25.4	241.1	8.66	227.9	7.98	216.0	7.46	211.4	7.28	201.3	6.76	192.1	6.42
		50.7	241.1	8.50	227.9	7.80	216.0	7.39	211.4	7.10	201.3	6.76	192.1	6.24
		55.8	241.1	8.32	227.9	7.80	216.0	7.28	211.4	7.10	201.3	6.58	192.1	6.24
		60.8	241.1	8.14	227.9	7.80	216.0	7.17	211.4	7.10	201.3	6.40	192.1	6.24
	95	20.3	241.1	8.07	227.9	7.37	216.0	6.60	211.4	6.46	201.3	6.10	192.1	5.58
		25.4	241.1	7.98	227.9	7.28	216.0	6.58	211.4	6.42	201.3	6.06	192.1	5.54
		50.7	241.1	7.62	227.9	6.94	216.0	6.51	211.4	6.24	201.3	5.90	192.1	5.38
		55.8	241.1	7.62	227.9	6.94	216.0	6.42	211.4	6.24	201.3	5.90	192.1	5.38
		60.8	241.1	7.62	227.9	6.94	216.0	6.33	211.4	6.24	201.3	5.90	192.1	5.38
	104	20.3	241.1	7.55	227.9	6.85	216.0	5.92	211.4	5.77	201.3	5.42	192.1	5.06
		25.4	241.1	7.46	227.9	6.76	216.0	5.90	211.4	5.72	201.3	5.38	192.1	5.02
		50.7	241.1	7.10	227.9	6.42	216.0	5.83	211.4	5.54	201.3	5.20	192.1	4.86
		55.8	241.1	6.94	227.9	6.42	216.0	5.72	211.4	5.54	201.3	5.20	192.1	4.86
		60.8	241.1	6.78	227.9	6.42	216.0	5.61	211.4	5.54	201.3	5.20	192.1	4.86
	113	20.3	241.1	7.03	227.9	6.33	216.0	5.22	211.4	5.06	201.3	4.73	192.1	4.54
		25.4	241.1	6.94	227.9	6.24	216.0	5.20	211.4	5.02	201.3	4.68	192.1	4.50
		50.7	241.1	6.58	227.9	5.90	216.0	5.13	211.4	4.86	201.3	4.50	192.1	4.34
		55.8	241.1	6.24	227.9	5.90	216.0	5.02	211.4	4.86	201.3	4.50	192.1	4.34
		60.8	241.1	5.91	227.9	5.90	216.0	4.91	211.4	4.86	201.3	4.50	192.1	4.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

### 192,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	23	20.3	82.0	10.24	79.4	9.33	77.1	8.19	76.5	7.81	75.9	7.52	74.6	6.75
		25.4	84.8	10.42	82.2	9.50	79.8	8.37	79.2	7.98	78.6	7.69	77.2	6.90
		50.7	96.0	11.12	93.0	10.20	90.2	9.09	89.6	8.66	89.0	8.36	87.2	7.50
		55.8	106.1	11.82	102.7	10.92	99.7	9.81	98.9	9.34	98.3	9.00	96.4	8.09
		60.8	116.0	12.51	112.2	11.63	109.0	10.52	108.0	10.01	107.4	9.63	105.4	8.67
	32	20.3	146.6	13.95	139.8	13.09	133.4	12.02	131.5	11.46	129.2	11.03	124.4	9.91
		25.4	147.5	13.99	140.7	13.13	134.2	12.05	132.2	11.49	130.0	11.06	125.2	9.93
		50.7	150.9	14.13	143.9	13.27	137.4	12.18	135.2	11.62	133.0	11.19	128.2	10.04
		55.8	153.1	14.13	146.1	13.27	139.6	12.18	137.2	11.62	135.2	11.19	130.2	10.04
		60.8	155.3	14.13	148.3	13.27	141.8	12.18	139.2	11.62	137.4	11.19	132.2	10.04
	41	20.3	207.2	14.98	200.5	14.13	194.1	13.08	190.1	12.47	181.6	12.00	173.0	10.78
		25.4	207.4	15.04	200.3	14.20	194.1	13.14	190.1	12.53	181.6	12.07	173.0	10.83
		50.7	208.2	15.31	199.7	14.47	194.1	13.39	190.1	12.78	181.6	12.32	173.0	11.05
		55.8	209.4	15.40	200.3	14.56	194.1	13.50	190.1	12.87	181.6	12.41	173.0	11.14
		60.8	210.6	15.49	200.9	14.65	194.1	13.61	190.1	12.96	181.6	12.50	173.0	11.23
	50	20.3	208.3	13.22	201.2	12.57	194.1	11.84	190.1	11.35	181.6	10.89	173.0	9.82
		25.4	208.2	13.23	200.9	12.59	194.1	11.85	190.1	11.37	181.6	10.88	173.0	9.83
		50.7	207.8	13.27	199.9	12.64	194.1	11.91	190.1	11.42	181.6	10.85	173.0	9.86
		55.8	209.2	13.23	200.5	12.61	194.1	11.87	190.1	11.39	181.6	10.88	173.0	9.90
		60.8	210.6	13.19	201.1	12.58	194.1	11.83	190.1	11.36	181.6	10.91	173.0	9.94
	59	20.3	209.3	11.45	201.9	11.04	194.1	10.62	190.1	10.26	181.6	9.79	173.0	8.89
		25.4	209.0	11.40	201.5	10.99	194.1	10.58	190.1	10.22	181.6	9.70	173.0	8.84
		50.7	207.6	11.22	200.1	10.81	194.1	10.40	190.1	10.06	181.6	9.36	173.0	8.66
		55.8	209.0	11.06	200.7	10.65	194.1	10.22	190.1	9.88	181.6	9.36	173.0	8.66
		60.8	210.4	10.90	201.3	10.49	194.1	10.04	190.1	9.70	181.6	9.36	173.0	8.66
	68	20.3	210.6	9.66	202.7	9.39	194.1	9.06	190.1	8.70	181.6	8.41	173.0	7.89
		25.4	210.4	9.66	202.3	9.36	194.1	9.02	190.1	8.66	181.6	8.32	173.0	7.80
		50.7	209.6	9.66	200.7	9.25	194.1	8.84	190.1	8.50	181.6	7.98	173.0	7.46
		55.8	210.2	9.50	201.3	9.18	194.1	8.84	190.1	8.50	181.6	7.98	173.0	7.46
		60.8	210.8	9.34	201.9	9.11	194.1	8.84	190.1	8.50	181.6	7.98	173.0	7.46
	77	20.3	214.1	8.45	205.4	8.00	194.1	7.66	190.1	7.28	181.6	6.98	173.0	6.46
		25.4	214.6	8.43	205.4	7.98	194.1	7.62	190.1	7.28	181.6	6.94	173.0	6.42
		50.7	216.6	8.36	205.4	7.91	194.1	7.46	190.1	7.28	181.6	6.76	173.0	6.24
		55.8	217.4	8.14	205.4	7.73	194.1	7.46	190.1	7.10	181.6	6.76	173.0	6.24
		60.8	218.2	7.92	205.4	7.55	194.1	7.46	190.1	6.92	181.6	6.76	173.0	6.24
	86	20.3	217.4	7.66	205.4	7.14	194.1	6.62	190.1	6.46	181.6	6.10	173.0	5.54
		25.4	217.4	7.62	205.4	7.10	194.1	6.58	190.1	6.42	181.6	6.06	173.0	5.54
		50.7	217.4	7.46	205.4	6.94	194.1	6.42	190.1	6.24	181.6	5.90	173.0	5.54
		55.8	217.4	7.28	205.4	6.76	194.1	6.42	190.1	6.24	181.6	5.90	173.0	5.38
		60.8	217.4	7.10	205.4	6.58	194.1	6.42	190.1	6.24	181.6	5.90	173.0	5.22
	95	20.3	217.4	6.98	205.4	6.46	194.1	5.94	190.1	5.77	181.6	5.42	173.0	5.06
		25.4	217.4	6.94	205.4	6.42	194.1	5.90	190.1	5.72	181.6	5.38	173.0	5.02
		50.7	217.4	6.76	205.4	6.24	194.1	5.72	190.1	5.54	181.6	5.20	173.0	4.86
		55.8	217.4	6.58	205.4	6.06	194.1	5.54	190.1	5.38	181.6	5.20	173.0	4.86
		60.8	217.4	6.40	205.4	5.88	194.1	5.36	190.1	5.22	181.6	5.20	173.0	4.86
	104	20.3	217.4	6.51	205.4	5.94	194.1	5.25	190.1	5.06	181.6	4.90	173.0	4.54
		25.4	217.4	6.42	205.4	5.90	194.1	5.20	190.1	5.02	181.6	4.86	173.0	4.50
		50.7	217.4	6.06	205.4	5.72	194.1	5.02	190.1	4.86	181.6	4.68	173.0	4.34
		55.8	217.4	6.06	205.4	5.72	194.1	5.02	190.1	4.86	181.6	4.68	173.0	4.34
		60.8	217.4	6.06	205.4	5.72	194.1	5.02	190.1	4.86	181.6	4.68	173.0	4.34
	113	20.3	217.4	6.03	205.4	5.42	194.1	4.54	190.1	4.38	181.6	4.38	173.0	4.02
		25.4	217.4	5.90	205.4	5.38	194.1	4.50	190.1	4.34	181.6	4.34	173.0	3.98
		50.7	217.4	5.38	205.4	5.20	194.1	4.34	190.1	4.16	181.6	4.16	173.0	3.82
		55.8	217.4	5.54	205.4	5.38	194.1	4.50	190.1	4.34	181.6	4.16	173.0	3.82
		60.8	217.4	5.70	205.4	5.56	194.1	4.66	190.1	4.52	181.6	4.16	173.0	3.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM192DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	23	20.3	77.5	7.30	72.7	7.02	68.8	6.72	68.0	6.49	67.6	6.19	66.2	5.71
		25.4	80.2	7.46	75.1	7.17	71.1	6.87	70.3	6.63	69.9	6.33	68.5	5.83
		50.7	90.6	8.10	85.0	7.78	80.4	7.44	79.6	7.19	79.2	6.87	77.6	6.31
		55.8	100.3	8.73	93.8	8.39	88.8	8.03	87.8	7.76	87.4	7.41	85.6	6.81
		60.8	109.8	9.35	102.4	8.99	97.0	8.61	95.8	8.32	95.4	7.94	93.4	7.30
	32	20.3	138.4	10.71	127.6	10.28	118.8	9.85	116.6	9.51	115.0	9.06	110.7	8.35
		25.4	139.2	10.74	128.4	10.31	119.6	9.88	117.3	9.54	115.7	9.09	111.3	8.37
		50.7	142.7	10.87	131.4	10.44	122.4	9.99	120.2	9.65	118.5	9.20	113.9	8.46
		55.8	144.7	10.87	133.4	10.44	124.4	9.99	122.0	9.65	120.4	9.20	115.7	8.46
		60.8	146.7	10.87	135.4	10.44	126.4	9.99	123.8	9.65	122.3	9.20	117.5	8.46
	41	20.3	191.5	11.65	180.7	11.21	172.7	10.70	169.0	10.35	161.7	9.87	153.7	9.08
		25.4	191.9	11.71	181.0	11.26	172.8	10.76	169.0	10.40	161.7	9.92	153.7	9.13
		50.7	193.5	11.96	182.4	11.48	173.0	10.99	169.0	10.62	161.7	10.11	153.7	9.32
		55.8	193.5	12.03	182.2	11.57	173.0	11.06	169.0	10.69	161.7	10.18	153.7	9.38
		60.8	193.5	12.10	182.0	11.66	173.0	11.13	169.0	10.76	161.7	10.25	153.7	9.44
	50	20.3	192.5	10.72	181.4	10.23	172.7	9.71	169.0	9.45	161.7	8.94	153.7	8.28
		25.4	192.7	10.70	181.6	10.22	172.8	9.72	169.0	9.45	161.7	8.95	153.7	8.28
		50.7	193.5	10.65	182.4	10.17	173.0	9.74	169.0	9.47	161.7	8.97	153.7	8.30
		55.8	193.5	10.62	182.2	10.20	173.0	9.77	169.0	9.41	161.7	8.91	153.7	8.25
		60.8	193.5	10.59	182.0	10.23	173.0	9.80	169.0	9.35	161.7	8.85	153.7	8.20
	59	20.3	193.5	9.79	182.2	9.27	173.0	8.70	169.0	8.54	161.7	8.02	153.7	7.50
		25.4	193.5	9.70	182.2	9.18	173.0	8.66	169.0	8.50	161.7	7.98	153.7	7.46
		50.7	193.5	9.36	182.2	8.84	173.0	8.50	169.0	8.32	161.7	7.80	153.7	7.28
		55.8	193.5	9.18	182.2	8.84	173.0	8.50	169.0	8.14	161.7	7.62	153.7	7.10
		60.8	193.5	9.00	182.2	8.84	173.0	8.50	169.0	7.96	161.7	7.44	153.7	6.92
	68	20.3	193.5	8.18	182.2	7.85	173.0	7.46	169.0	7.33	161.7	6.98	153.7	6.46
		25.4	193.5	8.14	182.2	7.80	173.0	7.46	169.0	7.28	161.7	6.94	153.7	6.42
		50.7	193.5	7.98	182.2	7.62	173.0	7.46	169.0	7.10	161.7	6.76	153.7	6.24
		55.8	193.5	7.80	182.2	7.46	173.0	7.28	169.0	7.10	161.7	6.58	153.7	6.24
		60.8	193.5	7.62	182.2	7.30	173.0	7.10	169.0	7.10	161.7	6.40	153.7	6.24
	77	20.3	193.5	7.33	182.2	6.81	173.0	6.42	169.0	6.29	161.7	5.94	153.7	5.58
		25.4	193.5	7.28	182.2	6.76	173.0	6.42	169.0	6.24	161.7	5.90	153.7	5.54
		50.7	193.5	7.10	182.2	6.58	173.0	6.42	169.0	6.06	161.7	5.72	153.7	5.38
		55.8	193.5	6.94	182.2	6.58	173.0	6.24	169.0	6.06	161.7	5.72	153.7	5.38
		60.8	193.5	6.78	182.2	6.58	173.0	6.06	169.0	6.06	161.7	5.72	153.7	5.38
	86	20.3	193.5	6.46	182.2	6.10	173.0	5.77	169.0	5.58	161.7	5.25	153.7	4.90
		25.4	193.5	6.42	182.2	6.06	173.0	5.72	169.0	5.54	161.7	5.20	153.7	4.86
		50.7	193.5	6.24	182.2	5.90	173.0	5.54	169.0	5.38	161.7	5.02	153.7	4.68
		55.8	193.5	6.24	182.2	5.90	173.0	5.54	169.0	5.38	161.7	5.02	153.7	4.68
		60.8	193.5	6.24	182.2	5.90	173.0	5.54	169.0	5.38	161.7	5.02	153.7	4.68
	95	20.3	193.5	5.94	182.2	5.58	173.0	5.06	169.0	4.86	161.7	4.73	153.7	4.34
		25.4	193.5	5.90	182.2	5.54	173.0	5.02	169.0	4.86	161.7	4.68	153.7	4.34
		50.7	193.5	5.72	182.2	5.38	173.0	4.86	169.0	4.86	161.7	4.50	153.7	4.34
		55.8	193.5	5.72	182.2	5.20	173.0	4.86	169.0	4.68	161.7	4.50	153.7	4.16
		60.8	193.5	5.72	182.2	5.02	173.0	4.86	169.0	4.50	161.7	4.50	153.7	3.98
	104	20.3	193.5	5.63	182.2	5.06	173.0	4.50	169.0	4.54	161.7	4.16	153.7	4.02
		25.4	193.5	5.54	182.2	5.02	173.0	4.50	169.0	4.50	161.7	4.16	153.7	3.98
		50.7	193.5	5.20	182.2	4.86	173.0	4.50	169.0	4.34	161.7	4.16	153.7	3.82
		55.8	193.5	5.20	182.2	4.86	173.0	4.34	169.0	4.34	161.7	4.16	153.7	3.82
		60.8	193.5	5.20	182.2	4.86	173.0	4.18	169.0	4.34	161.7	4.16	153.7	3.82
113	20.3	193.5	5.33	182.2	4.54	173.0	3.94	169.0	4.25	161.7	3.59	153.7	3.73	
	25.4	193.5	5.20	182.2	4.50	173.0	3.98	169.0	4.16	161.7	3.64	153.7	3.64	
	50.7	193.5	4.68	182.2	4.34	173.0	4.16	169.0	3.82	161.7	3.82	153.7	3.30	
	55.8	193.5	4.68	182.2	4.50	173.0	3.82	169.0	3.98	161.7	3.82	153.7	3.46	
	60.8	193.5	4.68	182.2	4.66	173.0	3.49	169.0	4.14	161.7	3.82	153.7	3.62	

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	23	20.3	67.6	6.27	63.5	5.97	60.1	5.77	59.5	5.44	59.1	5.25	58.1	4.77
		25.4	69.9	6.40	65.7	6.10	62.1	5.90	61.5	5.56	61.1	5.36	60.1	4.88
		50.7	79.2	6.94	74.3	6.62	70.1	6.40	69.5	6.02	69.1	5.81	67.9	5.29
		55.8	87.6	7.50	82.2	7.14	77.6	6.90	77.0	6.49	76.4	6.28	74.9	5.70
		60.8	95.8	8.05	89.9	7.65	85.0	7.39	84.4	6.95	83.6	6.74	81.8	6.10
	32	20.3	121.1	9.17	111.9	8.75	103.9	8.45	102.1	7.96	100.5	7.69	96.9	6.99
		25.4	121.8	9.20	112.5	8.77	104.5	8.48	102.7	7.98	101.1	7.71	97.5	7.01
		50.7	124.6	9.31	115.1	8.86	106.9	8.59	105.1	8.07	103.5	7.80	99.7	7.08
		55.8	126.4	9.31	116.9	8.86	108.5	8.59	106.7	8.07	105.1	7.80	101.3	7.08
		60.8	128.2	9.31	118.7	8.86	110.1	8.59	108.3	8.07	106.7	7.80	102.9	7.08
	41	20.3	167.2	9.99	158.4	9.51	150.8	9.20	147.7	8.67	141.1	8.36	134.4	7.60
		25.4	167.6	10.04	158.7	9.56	150.9	9.25	147.7	8.71	141.1	8.41	134.4	7.64
		50.7	169.0	10.24	159.9	9.75	151.1	9.45	147.7	8.88	141.1	8.59	134.4	7.80
		55.8	169.0	10.31	159.7	9.83	151.1	9.52	147.7	8.95	141.1	8.64	134.4	7.85
		60.8	169.0	10.38	159.5	9.91	151.1	9.59	147.7	9.02	141.1	8.69	134.4	7.90
	50	20.3	168.0	9.20	159.0	8.70	151.1	8.37	147.7	7.91	141.1	7.58	134.4	6.94
		25.4	168.2	9.18	159.1	8.68	151.1	8.36	147.7	7.91	141.1	7.58	134.4	6.94
		50.7	169.0	9.11	159.7	8.61	151.1	8.28	147.7	7.91	141.1	7.58	134.4	6.94
		55.8	169.0	9.14	159.7	8.64	151.1	8.32	147.7	7.94	141.1	7.53	134.4	6.96
		60.8	169.0	9.17	159.7	8.67	151.1	8.36	147.7	7.97	141.1	7.48	134.4	6.98
	59	20.3	169.0	8.41	159.7	7.89	151.1	7.55	147.7	7.14	141.1	6.81	134.4	6.29
		25.4	169.0	8.32	159.7	7.80	151.1	7.46	147.7	7.10	141.1	6.76	134.4	6.24
		50.7	169.0	7.98	159.7	7.46	151.1	7.10	147.7	6.94	141.1	6.58	134.4	6.06
		55.8	169.0	7.98	159.7	7.46	151.1	7.10	147.7	6.94	141.1	6.42	134.4	6.06
		60.8	169.0	7.98	159.7	7.46	151.1	7.10	147.7	6.94	141.1	6.26	134.4	6.06
	68	20.3	169.0	6.98	159.7	6.62	151.1	6.46	147.7	6.29	141.1	5.94	134.4	5.58
		25.4	169.0	6.94	159.7	6.58	151.1	6.42	147.7	6.24	141.1	5.90	134.4	5.54
		50.7	169.0	6.76	159.7	6.42	151.1	6.24	147.7	6.06	141.1	5.72	134.4	5.38
		55.8	169.0	6.76	159.7	6.42	151.1	6.24	147.7	5.90	141.1	5.72	134.4	5.20
		60.8	169.0	6.76	159.7	6.42	151.1	6.24	147.7	5.74	141.1	5.72	134.4	5.02
	77	20.3	169.0	6.29	159.7	5.94	151.1	5.58	147.7	5.42	141.1	5.02	134.4	4.68
		25.4	169.0	6.24	159.7	5.90	151.1	5.54	147.7	5.38	141.1	5.02	134.4	4.68
		50.7	169.0	6.06	159.7	5.72	151.1	5.38	147.7	5.20	141.1	5.02	134.4	4.68
		55.8	169.0	5.90	159.7	5.54	151.1	5.38	147.7	5.20	141.1	4.86	134.4	4.68
		60.8	169.0	5.74	159.7	5.36	151.1	5.38	147.7	5.20	141.1	4.70	134.4	4.68
	86	20.3	169.0	5.58	159.7	5.25	151.1	4.90	147.7	4.68	141.1	4.54	134.4	4.16
		25.4	169.0	5.54	159.7	5.20	151.1	4.86	147.7	4.68	141.1	4.50	134.4	4.16
		50.7	169.0	5.38	159.7	5.02	151.1	4.68	147.7	4.68	141.1	4.34	134.4	4.16
		55.8	169.0	5.38	159.7	5.02	151.1	4.68	147.7	4.50	141.1	4.34	134.4	4.16
		60.8	169.0	5.38	159.7	5.02	151.1	4.68	147.7	4.32	141.1	4.34	134.4	4.16
	95	20.3	169.0	5.06	159.7	4.73	151.1	4.34	147.7	4.38	141.1	3.98	134.4	3.86
		25.4	169.0	5.02	159.7	4.68	151.1	4.34	147.7	4.34	141.1	3.98	134.4	3.82
		50.7	169.0	4.86	159.7	4.50	151.1	4.34	147.7	4.16	141.1	3.98	134.4	3.64
		55.8	169.0	4.86	159.7	4.50	151.1	4.16	147.7	4.16	141.1	3.98	134.4	3.64
		60.8	169.0	4.86	159.7	4.50	151.1	3.98	147.7	4.16	141.1	3.98	134.4	3.64
	104	20.3	169.0	4.73	159.7	4.38	151.1	4.02	147.7	3.82	141.1	3.64	134.4	3.50
		25.4	169.0	4.68	159.7	4.34	151.1	3.98	147.7	3.82	141.1	3.64	134.4	3.46
		50.7	169.0	4.50	159.7	4.16	151.1	3.82	147.7	3.82	141.1	3.64	134.4	3.30
		55.8	169.0	4.50	159.7	4.16	151.1	3.82	147.7	3.64	141.1	3.46	134.4	3.30
		60.8	169.0	4.50	159.7	4.16	151.1	3.82	147.7	3.46	141.1	3.28	134.4	3.30
	113	20.3	169.0	4.38	159.7	4.02	151.1	3.73	147.7	3.26	141.1	3.30	134.4	3.17
		25.4	169.0	4.34	159.7	3.98	151.1	3.64	147.7	3.30	141.1	3.30	134.4	3.12
		50.7	169.0	4.16	159.7	3.82	151.1	3.30	147.7	3.46	141.1	3.30	134.4	2.94
		55.8	169.0	4.16	159.7	3.82	151.1	3.46	147.7	3.12	141.1	2.94	134.4	2.94
		60.8	169.0	4.16	159.7	3.82	151.1	3.62	147.7	2.79	141.1	2.59	134.4	2.94

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM192DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	20.3	58.0	5.09	54.4	4.89	51.5	4.70	50.9	4.37	50.7	4.30	49.7	3.84
		25.4	60.1	5.20	56.3	5.00	53.2	4.81	52.6	4.46	52.4	4.39	51.4	3.93
		50.7	68.1	5.65	63.7	5.43	60.3	5.22	59.7	4.84	59.5	4.77	58.3	4.27
		55.8	75.1	6.08	70.3	5.86	66.7	5.63	65.9	5.24	65.7	5.15	64.3	4.59
		60.8	82.0	6.50	76.8	6.28	73.0	6.03	72.0	5.63	71.8	5.52	70.2	4.90
	32	20.3	103.9	7.45	95.7	7.19	89.3	6.88	87.5	6.40	86.3	6.31	83.1	5.63
		25.4	104.5	7.48	96.2	7.21	89.8	6.90	88.0	6.42	86.8	6.33	83.6	5.65
		50.7	106.9	7.57	98.5	7.28	92.0	6.99	90.0	6.49	88.8	6.40	85.4	5.70
		55.8	108.5	7.57	100.1	7.28	93.4	6.99	91.4	6.49	90.2	6.40	86.8	5.70
		60.8	110.1	7.57	101.7	7.28	94.8	6.99	92.8	6.49	91.6	6.40	88.2	5.70
	41	20.3	143.6	8.12	135.4	7.81	129.8	7.49	126.6	6.97	121.2	6.87	115.3	6.12
		25.4	143.9	8.16	135.6	7.85	129.8	7.53	126.6	7.01	121.2	6.90	115.3	6.15
		50.7	145.1	8.32	136.6	8.02	129.8	7.69	126.6	7.15	121.2	7.05	115.3	6.28
		55.8	145.1	8.39	136.4	8.07	129.8	7.75	126.6	7.21	121.2	7.08	115.3	6.33
		60.8	145.1	8.46	136.2	8.12	129.8	7.81	126.6	7.27	121.2	7.11	115.3	6.38
	50	20.3	144.3	7.46	135.9	7.14	129.8	6.80	126.6	6.35	121.2	6.23	115.3	5.58
		25.4	144.5	7.46	136.0	7.14	129.8	6.80	126.6	6.37	121.2	6.22	115.3	5.59
		50.7	145.1	7.46	136.6	7.14	129.8	6.80	126.6	6.44	121.2	6.20	115.3	5.65
		55.8	145.1	7.48	136.4	7.06	129.8	6.72	126.6	6.37	121.2	6.15	115.3	5.59
		60.8	145.1	7.50	136.2	6.98	129.8	6.64	126.6	6.30	121.2	6.10	115.3	5.53
	59	20.3	145.1	6.81	136.4	6.46	129.8	6.10	126.6	5.72	121.2	5.58	115.3	5.02
		25.4	145.1	6.76	136.4	6.42	129.8	6.06	126.6	5.72	121.2	5.54	115.3	5.02
		50.7	145.1	6.58	136.4	6.24	129.8	5.90	126.6	5.72	121.2	5.38	115.3	5.02
		55.8	145.1	6.58	136.4	6.06	129.8	5.72	126.6	5.54	121.2	5.20	115.3	4.86
		60.8	145.1	6.58	136.4	5.88	129.8	5.54	126.6	5.36	121.2	5.02	115.3	4.70
	68	20.3	145.1	5.94	136.4	5.58	129.8	5.25	126.6	5.06	121.2	4.90	115.3	4.54
		25.4	145.1	5.90	136.4	5.54	129.8	5.20	126.6	5.02	121.2	4.86	115.3	4.50
		50.7	145.1	5.72	136.4	5.38	129.8	5.02	126.6	4.86	121.2	4.68	115.3	4.34
		55.8	145.1	5.72	136.4	5.38	129.8	5.02	126.6	4.86	121.2	4.68	115.3	4.34
		60.8	145.1	5.72	136.4	5.38	129.8	5.02	126.6	4.86	121.2	4.68	115.3	4.34
	77	20.3	145.1	5.25	136.4	4.90	129.8	4.50	126.6	4.54	121.2	4.16	115.3	4.02
		25.4	145.1	5.20	136.4	4.86	129.8	4.50	126.6	4.50	121.2	4.16	115.3	3.98
		50.7	145.1	5.02	136.4	4.68	129.8	4.50	126.6	4.34	121.2	4.16	115.3	3.82
		55.8	145.1	5.02	136.4	4.68	129.8	4.34	126.6	4.34	121.2	4.16	115.3	3.82
		60.8	145.1	5.02	136.4	4.68	129.8	4.18	126.6	4.34	121.2	4.16	115.3	3.82
	86	20.3	145.1	4.73	136.4	4.38	129.8	4.21	126.6	4.02	121.2	3.86	115.3	3.69
		25.4	145.1	4.68	136.4	4.34	129.8	4.16	126.6	3.98	121.2	3.82	115.3	3.64
		50.7	145.1	4.50	136.4	4.16	129.8	3.98	126.6	3.82	121.2	3.64	115.3	3.46
		55.8	145.1	4.50	136.4	4.16	129.8	3.98	126.6	3.82	121.2	3.64	115.3	3.46
		60.8	145.1	4.50	136.4	4.16	129.8	3.98	126.6	3.82	121.2	3.64	115.3	3.46
	95	20.3	145.1	4.16	136.4	4.02	129.8	3.64	126.6	3.69	121.2	3.50	115.3	3.34
		25.4	145.1	4.16	136.4	3.98	129.8	3.64	126.6	3.64	121.2	3.46	115.3	3.30
		50.7	145.1	4.16	136.4	3.82	129.8	3.64	126.6	3.46	121.2	3.30	115.3	3.12
		55.8	145.1	4.16	136.4	3.82	129.8	3.46	126.6	3.46	121.2	3.30	115.3	3.12
		60.8	145.1	4.16	136.4	3.82	129.8	3.28	126.6	3.46	121.2	3.30	115.3	3.12
	104	20.3	145.1	3.82	136.4	3.69	129.8	3.30	126.6	3.34	121.2	3.17	115.3	2.94
		25.4	145.1	3.82	136.4	3.64	129.8	3.30	126.6	3.30	121.2	3.12	115.3	2.94
		50.7	145.1	3.82	136.4	3.46	129.8	3.30	126.6	3.12	121.2	2.94	115.3	2.94
		55.8	145.1	3.82	136.4	3.46	129.8	3.30	126.6	3.12	121.2	2.94	115.3	2.94
		60.8	145.1	3.82	136.4	3.46	129.8	3.30	126.6	3.12	121.2	2.94	115.3	2.94
	113	20.3	145.1	3.46	136.4	3.34	129.8	2.94	126.6	2.98	121.2	2.82	115.3	2.55
		25.4	145.1	3.46	136.4	3.30	129.8	2.94	126.6	2.94	121.2	2.78	115.3	2.60
		50.7	145.1	3.46	136.4	3.12	129.8	2.94	126.6	2.78	121.2	2.60	115.3	2.78
		55.8	145.1	3.46	136.4	3.12	129.8	3.12	126.6	2.78	121.2	2.60	115.3	2.78
		60.8	145.1	3.46	136.4	3.12	129.8	3.30	126.6	2.78	121.2	2.60	115.3	2.78

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	20.3	48.4	4.06	45.5	3.84	42.9	3.63	42.3	3.44	42.1	3.23	41.4	3.06
		25.4	50.0	4.14	47.0	3.93	44.4	3.71	43.8	3.51	43.6	3.30	42.8	3.12
		50.7	56.5	4.48	53.0	4.27	50.2	4.02	49.6	3.82	49.4	3.59	48.4	3.37
		55.8	62.5	4.84	58.7	4.59	55.5	4.34	54.9	4.12	54.5	3.86	53.6	3.64
		60.8	68.4	5.19	64.3	4.90	60.7	4.65	60.1	4.41	59.5	4.12	58.7	3.90
	32	20.3	86.3	5.94	79.9	5.63	74.3	5.31	72.7	5.04	71.7	4.74	69.1	4.47
		25.4	86.8	5.95	80.4	5.65	74.7	5.33	73.1	5.06	72.1	4.75	69.5	4.48
		50.7	88.8	6.01	82.2	5.70	76.6	5.40	74.9	5.13	73.9	4.81	71.1	4.54
		55.8	90.2	6.01	83.4	5.70	77.6	5.40	76.2	5.13	74.9	4.81	72.3	4.54
		60.8	91.6	6.01	84.6	5.70	78.6	5.40	77.5	5.13	75.9	4.81	73.5	4.54
	41	20.3	119.3	6.46	113.1	6.12	107.8	5.78	105.3	5.50	100.7	5.16	96.0	4.85
		25.4	119.6	6.49	113.3	6.15	107.9	5.81	105.3	5.52	100.7	5.18	96.0	4.88
		50.7	120.6	6.62	114.1	6.28	108.1	5.94	105.3	5.63	100.7	5.27	96.0	4.98
		55.8	120.6	6.67	113.9	6.33	108.1	5.97	105.3	5.67	100.7	5.33	96.0	5.02
		60.8	120.6	6.72	113.7	6.38	108.1	6.00	105.3	5.71	100.7	5.39	96.0	5.06
	50	20.3	120.1	5.94	113.4	5.60	107.8	5.26	105.3	5.03	100.7	4.65	96.0	4.44
		25.4	120.2	5.94	113.5	5.59	107.9	5.25	105.3	5.02	100.7	4.66	96.0	4.43
		50.7	120.6	5.90	114.1	5.58	108.1	5.22	105.3	4.98	100.7	4.72	96.0	4.39
		55.8	120.6	5.94	113.9	5.59	108.1	5.24	105.3	5.00	100.7	4.64	96.0	4.41
		60.8	120.6	5.98	113.7	5.60	108.1	5.26	105.3	5.02	100.7	4.56	96.0	4.43
	59	20.3	120.6	5.42	113.9	5.06	108.1	4.73	105.3	4.54	100.7	4.16	96.0	4.02
		25.4	120.6	5.38	113.9	5.02	108.1	4.68	105.3	4.50	100.7	4.16	96.0	3.98
		50.7	120.6	5.20	113.9	4.86	108.1	4.50	105.3	4.34	100.7	4.16	96.0	3.82
		55.8	120.6	5.20	113.9	4.86	108.1	4.50	105.3	4.34	100.7	3.98	96.0	3.82
		60.8	120.6	5.20	113.9	4.86	108.1	4.50	105.3	4.34	100.7	3.80	96.0	3.82
	68	20.3	120.6	4.73	113.9	4.38	108.1	4.21	105.3	4.02	100.7	3.86	96.0	3.46
		25.4	120.6	4.68	113.9	4.34	108.1	4.16	105.3	3.98	100.7	3.82	96.0	3.46
		50.7	120.6	4.50	113.9	4.16	108.1	3.98	105.3	3.82	100.7	3.64	96.0	3.46
		55.8	120.6	4.50	113.9	4.16	108.1	3.98	105.3	3.82	100.7	3.64	96.0	3.46
		60.8	120.6	4.50	113.9	4.16	108.1	3.98	105.3	3.82	100.7	3.64	96.0	3.46
	77	20.3	120.6	4.21	113.9	3.82	108.1	3.69	105.3	3.46	100.7	3.30	96.0	3.12
		25.4	120.6	4.16	113.9	3.82	108.1	3.64	105.3	3.46	100.7	3.30	96.0	3.12
		50.7	120.6	3.98	113.9	3.82	108.1	3.46	105.3	3.46	100.7	3.30	96.0	3.12
		55.8	120.6	3.98	113.9	3.82	108.1	3.46	105.3	3.46	100.7	3.30	96.0	3.12
		60.8	120.6	3.98	113.9	3.82	108.1	3.46	105.3	3.46	100.7	3.30	96.0	3.12
	86	20.3	120.6	3.86	113.9	3.50	108.1	3.34	105.3	3.12	100.7	3.17	96.0	2.98
		25.4	120.6	3.82	113.9	3.46	108.1	3.30	105.3	3.12	100.7	3.12	96.0	2.94
		50.7	120.6	3.64	113.9	3.30	108.1	3.12	105.3	3.12	100.7	2.94	96.0	2.78
		55.8	120.6	3.64	113.9	3.30	108.1	3.12	105.3	3.12	100.7	2.94	96.0	2.78
		60.8	120.6	3.64	113.9	3.30	108.1	3.12	105.3	3.12	100.7	2.94	96.0	2.78
	95	20.3	120.6	3.50	113.9	3.12	108.1	2.94	105.3	2.98	100.7	2.78	96.0	2.60
		25.4	120.6	3.46	113.9	3.12	108.1	2.94	105.3	2.94	100.7	2.78	96.0	2.60
		50.7	120.6	3.30	113.9	3.12	108.1	2.94	105.3	2.78	100.7	2.78	96.0	2.60
		55.8	120.6	3.30	113.9	3.12	108.1	2.94	105.3	2.78	100.7	2.78	96.0	2.60
		60.8	120.6	3.30	113.9	3.12	108.1	2.94	105.3	2.78	100.7	2.78	96.0	2.60
	104	20.3	120.6	3.17	113.9	2.98	108.1	2.82	105.3	2.60	100.7	2.65	96.0	2.42
		25.4	120.6	3.12	113.9	2.94	108.1	2.78	105.3	2.60	100.7	2.60	96.0	2.42
		50.7	120.6	2.94	113.9	2.78	108.1	2.60	105.3	2.60	100.7	2.42	96.0	2.42
		55.8	120.6	2.94	113.9	2.78	108.1	2.60	105.3	2.60	100.7	2.42	96.0	2.42
		60.8	120.6	2.94	113.9	2.78	108.1	2.60	105.3	2.60	100.7	2.42	96.0	2.42
	113	20.3	120.6	2.82	113.9	2.87	108.1	2.69	105.3	2.22	100.7	2.51	96.0	2.26
		25.4	120.6	2.78	113.9	2.78	108.1	2.60	105.3	2.26	100.7	2.42	96.0	2.26
		50.7	120.6	2.60	113.9	2.42	108.1	2.26	105.3	2.42	100.7	2.08	96.0	2.26
		55.8	120.6	2.60	113.9	2.42	108.1	2.26	105.3	2.42	100.7	2.08	96.0	2.26
		60.8	120.6	2.60	113.9	2.42	108.1	2.26	105.3	2.42	100.7	2.08	96.0	2.26

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM191DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
130	23	20.4	102.2	9.83	101.4	9.26	100.8	8.62	99.5	8.36	100.6	8.15	97.9	7.30
		35.6	105.7	10.01	104.9	9.44	104.3	8.81	102.9	8.55	104.1	8.32	101.3	7.46
		50.8	119.6	10.69	118.5	10.15	117.9	9.55	116.3	9.28	117.7	9.02	114.7	8.09
		63.6	132.2	11.37	131.0	10.85	130.2	10.30	128.6	10.02	130.2	9.73	126.8	8.73
		76.2	144.6	12.04	143.3	11.54	142.3	11.04	140.7	10.75	142.5	10.43	138.7	9.36
	32	20.4	182.5	13.45	178.4	13.05	174.6	12.62	170.8	12.27	171.4	11.93	163.5	10.68
		35.6	183.7	13.49	179.4	13.08	175.6	12.66	171.8	12.30	172.4	11.96	164.6	10.72
		50.8	188.1	13.63	183.4	13.21	179.6	12.81	175.8	12.45	176.4	12.09	168.6	10.85
		63.6	190.9	13.63	186.3	13.21	182.4	12.81	178.4	12.45	179.0	12.09	171.0	10.85
		76.2	193.7	13.63	189.2	13.21	185.2	12.81	181.0	12.45	181.6	12.09	173.4	10.85
	41	20.4	262.9	14.46	258.9	14.10	253.5	13.74	247.1	13.35	240.5	12.98	227.3	11.63
		35.6	263.8	14.52	259.4	14.17	253.6	13.81	247.1	13.42	240.5	13.05	227.3	11.69
		50.8	267.4	14.78	261.2	14.42	253.8	14.09	247.1	13.70	240.5	13.31	227.3	11.93
		63.6	269.0	14.88	262.0	14.52	253.8	14.18	247.1	13.79	240.5	13.41	227.3	12.01
		76.2	270.6	14.98	262.8	14.62	253.8	14.27	247.1	13.88	240.5	13.51	227.3	12.09
	50	20.4	263.3	13.15	259.0	12.71	252.8	12.47	246.1	12.19	239.6	11.78	226.3	10.63
		35.6	264.8	13.13	260.2	12.73	253.8	12.50	247.1	12.19	240.5	11.77	227.3	10.62
		50.8	271.1	13.03	265.0	12.77	257.8	12.60	251.2	12.17	244.1	11.74	230.9	10.59
		63.6	272.5	13.21	266.8	12.95	259.4	12.64	252.4	12.22	245.7	11.93	232.3	11.09
		76.2	273.9	13.39	268.6	13.13	261.0	12.68	253.6	12.27	247.3	12.12	233.7	11.58
	59	20.4	263.6	11.86	259.0	11.35	251.7	11.23	245.1	11.04	238.7	10.57	225.4	9.63
		35.6	265.8	11.74	261.0	11.30	253.8	11.20	247.1	10.96	240.5	10.49	227.3	9.55
		50.8	274.5	11.27	268.8	11.11	261.8	11.11	255.2	10.64	247.7	10.17	234.5	9.23
		63.6	275.9	11.54	271.5	11.37	265.0	11.11	257.8	10.64	251.2	10.46	237.3	10.17
		76.2	277.3	11.81	274.2	11.63	268.2	11.11	260.4	10.64	254.6	10.75	240.1	11.10
	68	20.4	273.7	10.88	268.7	10.37	261.6	10.14	254.4	9.82	247.0	9.60	232.3	9.31
		35.6	275.9	10.80	270.9	10.36	263.6	10.13	256.4	9.86	249.2	9.67	234.5	9.23
		50.8	284.5	10.49	279.5	10.33	271.7	10.10	264.4	10.02	257.8	9.92	243.1	8.92
		63.6	285.7	10.49	281.5	10.33	274.9	10.17	267.0	10.02	259.8	9.92	245.1	9.49
		76.2	286.9	10.49	283.5	10.33	278.1	10.24	269.6	10.02	261.8	9.92	247.1	10.05
	77	20.4	288.9	10.37	281.5	10.07	274.9	9.90	269.6	9.73	263.6	9.59	248.6	8.96
		35.6	288.9	10.33	281.5	10.05	274.9	9.86	269.6	9.70	263.6	9.55	248.6	8.92
		50.8	288.9	10.17	281.5	9.99	274.9	9.70	269.6	9.55	263.6	9.39	248.6	8.76
		63.6	288.9	10.02	281.5	9.73	274.9	9.55	269.6	9.39	263.6	9.23	248.6	8.61
		76.2	288.9	9.87	281.5	9.47	274.9	9.40	269.6	9.23	263.6	9.07	248.6	8.46
	86	20.4	288.9	10.10	281.5	9.60	274.9	9.51	269.6	9.26	263.6	9.16	248.6	8.53
		35.6	288.9	10.02	281.5	9.58	274.9	9.45	269.6	9.23	263.6	9.08	248.6	8.45
		50.8	288.9	9.70	281.5	9.52	274.9	9.23	269.6	9.08	263.6	8.76	248.6	8.14
		63.6	288.9	9.55	281.5	9.26	274.9	9.08	269.6	8.92	263.6	8.76	248.6	8.14
		76.2	288.9	9.40	281.5	9.00	274.9	8.93	269.6	8.76	263.6	8.76	248.6	8.14
	95	20.4	288.9	9.63	281.5	9.31	274.9	9.12	269.6	8.80	263.6	8.49	248.6	7.90
		35.6	288.9	9.55	281.5	9.26	274.9	9.08	269.6	8.76	263.6	8.45	248.6	7.82
		50.8	288.9	9.23	281.5	9.05	274.9	8.92	269.6	8.61	263.6	8.29	248.6	7.51
		63.6	288.9	9.23	281.5	8.95	274.9	8.76	269.6	8.45	263.6	8.14	248.6	7.51
		76.2	288.9	9.23	281.5	8.85	274.9	8.60	269.6	8.29	263.6	7.99	248.6	7.51
	104	20.4	288.9	9.31	281.5	9.01	274.9	8.84	269.6	8.53	263.6	8.23	248.6	7.43
		35.6	288.9	9.23	281.5	8.95	274.9	8.76	269.6	8.45	263.6	8.14	248.6	7.35
		50.8	288.9	8.92	281.5	8.73	274.9	8.45	269.6	8.14	263.6	7.82	248.6	7.04
		63.6	288.9	8.76	281.5	8.58	274.9	8.45	269.6	8.14	263.6	7.82	248.6	7.04
		76.2	288.9	8.60	281.5	8.43	274.9	8.45	269.6	8.14	263.6	7.82	248.6	7.04
	113	20.4	288.9	9.00	281.5	8.70	274.9	8.57	269.6	8.26	263.6	7.94	248.6	6.96
		35.6	288.9	8.92	281.5	8.65	274.9	8.45	269.6	8.14	263.6	7.82	248.6	6.88
		50.8	288.9	8.61	281.5	8.42	274.9	7.98	269.6	7.67	263.6	7.35	248.6	6.57
		63.6	288.9	8.29	281.5	8.21	274.9	8.14	269.6	7.82	263.6	7.51	248.6	6.57
		76.2	288.9	7.98	281.5	8.00	274.9	8.30	269.6	7.97	263.6	7.67	248.6	6.57

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
120	23	20.4	97.1	9.83	96.4	9.26	95.8	8.62	94.6	8.25	95.4	8.02	92.8	7.17
		35.6	100.5	10.01	99.7	9.44	99.1	8.81	97.9	8.43	98.7	8.19	96.0	7.33
		50.8	113.7	10.69	112.7	10.15	112.1	9.55	110.7	9.15	111.7	8.89	108.7	7.97
		63.6	125.6	11.37	124.6	10.85	123.8	10.30	122.4	9.88	123.4	9.58	120.0	8.58
		76.2	137.3	12.04	136.3	11.54	135.3	11.04	133.9	10.60	134.9	10.26	131.1	9.18
	32	20.4	173.6	13.45	169.4	13.05	165.8	12.62	162.4	12.09	162.4	11.75	155.0	10.51
		35.6	174.6	13.49	170.4	13.08	166.8	12.66	163.4	12.13	163.4	11.79	155.9	10.54
		50.8	178.6	13.63	174.4	13.21	170.8	12.81	167.2	12.27	167.2	11.92	159.7	10.67
		63.6	181.4	13.63	177.2	13.21	173.4	12.81	169.8	12.27	169.6	11.92	162.2	10.67
		76.2	184.2	13.63	180.0	13.21	176.0	12.81	172.4	12.27	172.0	11.92	164.7	10.67
	41	20.4	250.2	14.46	246.5	14.10	241.1	13.74	235.3	13.16	227.9	12.79	215.4	11.45
		35.6	251.2	14.52	246.9	14.17	241.1	13.81	235.3	13.23	227.9	12.85	215.4	11.51
		50.8	254.8	14.78	248.8	14.42	241.1	14.09	235.3	13.50	227.9	13.11	215.4	11.74
		63.6	256.2	14.88	247.3	14.52	241.1	14.18	235.3	13.60	227.9	13.21	215.4	11.82
		76.2	257.6	14.98	245.8	14.62	241.1	14.27	235.3	13.70	227.9	13.31	215.4	11.90
	50	20.4	251.2	12.99	246.5	12.63	240.5	12.37	234.6	12.00	227.2	11.60	214.8	10.43
		35.6	252.4	13.03	247.5	12.68	241.1	12.42	235.3	12.01	227.9	11.59	215.4	10.44
		50.8	257.0	13.21	251.6	12.87	243.7	12.60	237.9	12.08	230.3	11.56	217.6	10.49
		63.6	258.4	13.16	250.8	12.87	244.7	12.64	238.9	12.13	231.3	11.61	218.6	10.85
		76.2	259.8	13.11	250.0	12.87	245.7	12.68	239.9	12.18	232.3	11.66	219.6	11.20
	59	20.4	251.9	11.52	246.8	11.18	239.7	11.00	234.0	10.84	226.7	10.41	214.2	9.43
		35.6	253.4	11.54	248.3	11.20	241.1	11.03	235.3	10.80	227.9	10.33	215.4	9.39
		50.8	259.2	11.64	254.4	11.30	246.5	11.11	240.5	10.64	232.5	10.02	220.0	9.23
		63.6	260.6	11.46	254.2	11.20	248.6	11.11	242.5	10.64	234.5	10.02	222.0	9.86
		76.2	262.0	11.28	254.0	11.10	250.7	11.11	244.5	10.64	236.5	10.02	224.0	10.48
	68	20.4	258.9	10.36	254.1	9.92	246.4	9.66	239.6	9.52	231.8	9.40	219.3	8.92
		35.6	260.6	10.36	255.6	9.96	247.7	9.70	241.1	9.55	233.3	9.39	220.6	8.89
		50.8	267.2	10.36	261.6	10.10	253.2	9.86	247.1	9.70	239.1	9.36	225.8	8.76
		63.6	268.4	10.26	261.4	10.02	255.2	9.86	248.6	9.70	240.5	9.39	227.3	9.08
		76.2	269.6	10.16	261.2	9.94	257.2	9.86	250.1	9.70	241.9	9.42	228.8	9.40
	77	20.4	271.5	9.80	263.6	9.34	255.2	9.16	249.8	8.96	243.1	8.80	229.9	8.18
		35.6	271.7	9.76	263.6	9.33	255.2	9.15	249.8	8.92	243.1	8.76	229.9	8.14
		50.8	272.3	9.62	263.6	9.26	255.2	9.08	249.8	8.76	243.1	8.61	229.9	7.98
		63.6	273.1	9.26	263.6	9.02	255.2	8.92	249.8	8.76	243.1	8.45	229.9	7.98
		76.2	273.9	8.91	263.6	8.78	255.2	8.76	249.8	8.76	243.1	8.29	229.9	7.98
	86	20.4	273.1	9.37	263.6	8.91	255.2	8.65	249.8	8.33	243.1	8.23	229.9	7.55
		35.6	273.1	9.29	263.6	8.86	255.2	8.61	249.8	8.29	243.1	8.14	229.9	7.51
		50.8	273.1	8.99	263.6	8.65	255.2	8.45	249.8	8.14	243.1	7.82	229.9	7.35
		63.6	273.1	8.69	263.6	8.45	255.2	8.29	249.8	8.14	243.1	7.82	229.9	7.20
		76.2	273.1	8.39	263.6	8.25	255.2	8.13	249.8	8.14	243.1	7.82	229.9	7.05
	95	20.4	273.1	8.95	263.6	8.46	255.2	8.23	249.8	7.90	243.1	7.59	229.9	6.92
		35.6	273.1	8.82	263.6	8.39	255.2	8.14	249.8	7.82	243.1	7.51	229.9	6.88
		50.8	273.1	8.32	263.6	8.08	255.2	7.82	249.8	7.51	243.1	7.20	229.9	6.73
		63.6	273.1	8.22	263.6	8.01	255.2	7.82	249.8	7.51	243.1	7.20	229.9	6.57
		76.2	273.1	8.12	263.6	7.94	255.2	7.82	249.8	7.51	243.1	7.20	229.9	6.41
	104	20.4	273.1	8.68	263.6	8.08	255.2	7.76	249.8	7.43	243.1	7.12	229.9	6.45
		35.6	273.1	8.52	263.6	7.98	255.2	7.67	249.8	7.35	243.1	7.04	229.9	6.41
		50.8	273.1	7.85	263.6	7.61	255.2	7.35	249.8	7.04	243.1	6.73	229.9	6.27
		63.6	273.1	7.75	263.6	7.51	255.2	7.35	249.8	7.04	243.1	6.73	229.9	6.10
		76.2	273.1	7.65	263.6	7.41	255.2	7.35	249.8	7.04	243.1	6.73	229.9	5.93
	113	20.4	273.1	8.42	263.6	7.69	255.2	7.29	249.8	6.96	243.1	6.65	229.9	5.98
		35.6	273.1	8.21	263.6	7.58	255.2	7.20	249.8	6.88	243.1	6.57	229.9	5.94
		50.8	273.1	7.38	263.6	7.14	255.2	6.88	249.8	6.57	243.1	6.27	229.9	5.80
		63.6	273.1	7.29	263.6	7.01	255.2	6.88	249.8	6.57	243.1	6.27	229.9	5.63
		76.2	273.1	7.20	263.6	6.88	255.2	6.88	249.8	6.57	243.1	6.27	229.9	5.46

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM191DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
110	23	20.4	91.9	9.96	91.3	9.26	90.7	8.62	89.7	8.25	90.0	8.02	88.0	7.17
		35.6	95.0	10.13	94.4	9.44	93.8	8.81	92.8	8.43	93.0	8.19	91.0	7.33
		50.8	107.5	10.81	106.9	10.15	106.3	9.55	105.1	9.15	105.1	8.89	103.1	7.97
		63.6	118.7	11.51	117.9	10.85	117.3	10.30	116.1	9.88	116.1	9.58	113.7	8.58
		76.2	129.7	12.20	128.7	11.54	128.1	11.04	126.9	10.60	126.9	10.26	124.1	9.18
	32	20.4	164.2	13.63	160.6	13.05	157.2	12.62	154.2	12.09	152.8	11.75	147.0	10.51
		35.6	165.2	13.66	161.5	13.08	158.1	12.66	155.1	12.13	153.7	11.79	147.9	10.54
		50.8	169.0	13.79	165.4	13.21	161.7	12.81	158.7	12.27	157.3	11.92	151.3	10.67
		63.6	171.6	13.79	168.0	13.21	164.4	12.81	161.1	12.27	159.7	11.92	153.5	10.67
		76.2	174.2	13.79	170.6	13.21	167.1	12.81	163.5	12.27	162.1	11.92	155.7	10.67
	41	20.4	239.5	14.65	233.8	14.10	228.4	13.74	223.2	13.16	214.6	12.79	204.1	11.45
		35.6	240.3	14.72	234.3	14.17	228.5	13.81	223.2	13.23	214.6	12.85	204.1	11.51
		50.8	243.5	14.98	236.1	14.42	228.7	14.09	223.2	13.50	214.6	13.11	204.1	11.74
		63.6	244.9	15.07	236.7	14.52	228.7	14.18	223.2	13.60	214.6	13.21	204.1	11.82
		76.2	246.3	15.16	237.3	14.62	228.7	14.27	223.2	13.70	214.6	13.31	204.1	11.90
	50	20.4	240.4	13.14	234.5	12.69	228.1	12.41	222.9	12.00	214.2	11.60	203.9	10.43
		35.6	241.3	13.16	235.1	12.73	228.5	12.45	223.2	12.01	214.6	11.59	204.1	10.44
		50.8	244.9	13.26	237.5	12.87	229.9	12.60	224.6	12.08	216.0	11.56	205.1	10.49
		63.6	246.3	13.26	238.5	12.87	230.7	12.56	225.0	12.05	216.4	11.61	205.8	10.60
		76.2	247.7	13.26	239.5	12.87	231.5	12.52	225.4	12.02	216.8	11.66	206.5	10.71
	59	20.4	241.1	11.62	234.8	11.30	228.0	11.11	222.6	10.84	213.9	10.41	203.6	9.43
		35.6	242.1	11.61	235.7	11.30	228.7	11.11	223.2	10.80	214.6	10.33	204.1	9.39
		50.8	246.1	11.54	239.1	11.30	231.3	11.11	225.8	10.64	217.4	10.02	206.2	9.23
		63.6	247.5	11.46	240.3	11.20	232.5	10.96	226.6	10.49	218.0	10.02	207.4	9.39
		76.2	248.9	11.38	241.5	11.10	233.7	10.81	227.4	10.34	218.6	10.02	208.6	9.55
	68	20.4	245.6	10.03	238.9	9.79	231.2	9.55	225.0	9.39	216.7	9.12	205.3	8.53
		35.6	246.9	10.05	239.7	9.79	231.9	9.55	225.8	9.39	217.4	9.08	206.2	8.52
		50.8	252.2	10.13	242.9	9.79	234.5	9.55	229.3	9.39	220.0	8.92	209.4	8.45
		63.6	253.6	10.13	244.9	9.79	235.9	9.55	229.9	9.23	221.2	8.92	210.0	8.45
		76.2	255.0	10.13	246.9	9.79	237.3	9.55	230.5	9.07	222.4	8.92	210.6	8.45
	77	20.4	253.3	9.13	245.7	8.80	235.9	8.65	230.7	8.33	222.6	8.02	210.8	7.35
		35.6	253.8	9.11	245.7	8.76	235.9	8.61	230.7	8.29	222.6	7.98	210.8	7.35
		50.8	255.8	9.05	245.7	8.61	235.9	8.45	230.7	8.14	222.6	7.82	210.8	7.35
		63.6	257.0	9.05	245.7	8.65	235.9	8.29	230.7	8.14	222.6	7.67	210.8	7.20
		76.2	258.2	9.05	245.7	8.69	235.9	8.13	230.7	8.14	222.6	7.52	210.8	7.05
	86	20.4	257.0	8.33	245.7	8.02	235.9	7.71	230.7	7.55	222.6	7.08	210.8	6.61
		35.6	257.0	8.29	245.7	7.98	235.9	7.67	230.7	7.51	222.6	7.04	210.8	6.57
		50.8	257.0	8.14	245.7	7.82	235.9	7.51	230.7	7.35	222.6	6.88	210.8	6.41
		63.6	257.0	8.08	245.7	7.67	235.9	7.35	230.7	7.20	222.6	6.88	210.8	6.41
		76.2	257.0	8.02	245.7	7.52	235.9	7.19	230.7	7.05	222.6	6.88	210.8	6.41
	95	20.4	257.0	7.90	245.7	7.39	235.9	7.08	230.7	6.78	222.6	6.45	210.8	5.98
		35.6	257.0	7.82	245.7	7.35	235.9	7.04	230.7	6.73	222.6	6.41	210.8	5.94
		50.8	257.0	7.51	245.7	7.20	235.9	6.88	230.7	6.57	222.6	6.27	210.8	5.80
		63.6	257.0	7.32	245.7	7.04	235.9	6.73	230.7	6.57	222.6	6.27	210.8	5.80
		76.2	257.0	7.13	245.7	6.88	235.9	6.58	230.7	6.57	222.6	6.27	210.8	5.80
	104	20.4	257.0	7.43	245.7	7.12	235.9	6.65	230.7	6.31	222.6	5.98	210.8	5.51
		35.6	257.0	7.35	245.7	7.04	235.9	6.57	230.7	6.27	222.6	5.94	210.8	5.47
		50.8	257.0	7.04	245.7	6.73	235.9	6.27	230.7	6.10	222.6	5.80	210.8	5.33
		63.6	257.0	6.95	245.7	6.57	235.9	6.27	230.7	5.94	222.6	5.63	210.8	5.16
		76.2	257.0	6.86	245.7	6.41	235.9	6.27	230.7	5.78	222.6	5.46	210.8	4.99
	113	20.4	257.0	6.96	245.7	6.85	235.9	6.22	230.7	5.84	222.6	5.51	210.8	5.04
		35.6	257.0	6.88	245.7	6.73	235.9	6.10	230.7	5.80	222.6	5.47	210.8	5.00
		50.8	257.0	6.57	245.7	6.27	235.9	5.63	230.7	5.63	222.6	5.33	210.8	4.86
		63.6	257.0	6.57	245.7	6.10	235.9	5.80	230.7	5.33	222.6	5.00	210.8	4.53
		76.2	257.0	6.57	245.7	5.93	235.9	5.97	230.7	5.03	222.6	4.68	210.8	4.21

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
100	23	20.4	86.8	9.96	86.2	9.39	85.9	8.62	85.1	8.25	84.3	7.89	82.7	7.17
		35.6	89.8	10.13	89.2	9.57	88.8	8.81	88.0	8.43	87.2	8.06	85.6	7.33
		50.8	101.7	10.81	101.1	10.28	100.5	9.55	99.5	9.15	98.7	8.76	97.0	7.97
		63.6	112.3	11.51	111.5	10.99	110.9	10.30	109.9	9.88	109.1	9.44	107.1	8.58
	32	76.2	122.7	12.20	121.7	11.69	121.1	11.04	120.1	10.60	119.3	10.11	117.0	9.18
		20.4	155.2	13.63	151.8	13.23	148.6	12.62	146.0	12.09	143.4	11.58	138.4	10.51
		35.6	156.1	13.66	152.7	13.26	149.5	12.66	146.9	12.13	144.3	11.61	139.2	10.54
		50.8	159.7	13.79	156.3	13.39	152.9	12.81	150.3	12.27	147.7	11.74	142.5	10.67
		63.6	162.2	13.79	158.7	13.39	155.3	12.81	152.5	12.27	149.9	11.74	144.7	10.67
	41	76.2	164.7	13.79	161.1	13.39	157.7	12.81	154.7	12.27	152.1	11.74	146.9	10.67
		20.4	229.1	14.65	221.4	14.29	215.7	13.74	211.4	13.16	201.3	12.59	192.1	11.45
		35.6	229.9	14.72	221.8	14.36	215.8	13.81	211.4	13.23	201.3	12.66	192.1	11.51
		50.8	233.1	14.98	223.4	14.62	216.0	14.09	211.4	13.50	201.3	12.92	192.1	11.74
	50	63.6	234.5	15.07	224.0	14.72	216.0	14.18	211.4	13.60	201.3	13.00	192.1	11.82
		76.2	235.9	15.16	224.6	14.82	216.0	14.27	211.4	13.70	201.3	13.08	192.1	11.90
		20.4	230.3	13.10	222.1	12.81	216.0	12.41	211.4	12.00	201.3	11.40	192.1	10.43
		35.6	230.9	13.16	222.4	12.85	216.0	12.45	211.4	12.01	201.3	11.41	192.1	10.44
	59	50.8	233.1	13.41	223.6	13.02	216.0	12.60	211.4	12.08	201.3	11.46	192.1	10.49
		63.6	234.7	13.36	224.6	13.02	216.0	12.56	211.4	12.05	201.3	11.43	192.1	10.44
		76.2	236.3	13.31	225.6	13.02	216.0	12.52	211.4	12.02	201.3	11.40	192.1	10.39
	68	20.4	231.6	11.55	223.1	11.36	216.0	11.11	211.4	10.84	201.3	10.20	192.1	9.43
		35.6	231.9	11.61	223.2	11.37	216.0	11.11	211.4	10.80	201.3	10.17	192.1	9.39
		50.8	233.1	11.83	223.8	11.40	216.0	11.11	211.4	10.64	201.3	10.02	192.1	9.23
		63.6	235.1	11.64	225.0	11.30	216.0	10.96	211.4	10.49	201.3	9.86	192.1	9.08
	77	76.2	237.1	11.45	226.2	11.20	216.0	10.81	211.4	10.34	201.3	9.70	192.1	8.93
		20.4	232.8	9.88	224.3	9.62	216.0	9.39	211.4	9.26	201.3	8.65	192.1	8.23
		35.6	233.7	9.92	224.4	9.63	216.0	9.39	211.4	9.23	201.3	8.61	192.1	8.14
		50.8	237.1	10.10	225.0	9.67	216.0	9.39	211.4	9.08	201.3	8.45	192.1	7.82
	86	63.6	238.5	9.92	227.1	9.58	216.0	9.23	211.4	8.92	201.3	8.29	192.1	7.67
		76.2	239.9	9.74	229.2	9.49	216.0	9.07	211.4	8.76	201.3	8.13	192.1	7.52
		20.4	235.6	8.64	227.9	8.37	216.0	8.02	211.4	7.71	201.3	7.25	192.1	6.57
		35.6	236.5	8.65	227.9	8.32	216.0	7.98	211.4	7.67	201.3	7.20	192.1	6.57
	95	50.8	239.9	8.68	227.9	8.14	216.0	7.82	211.4	7.51	201.3	7.04	192.1	6.57
		63.6	241.1	8.48	227.9	8.08	216.0	7.67	211.4	7.35	201.3	7.04	192.1	6.41
		76.2	242.3	8.28	227.9	8.02	216.0	7.52	211.4	7.19	201.3	7.04	192.1	6.25
		20.4	241.1	7.86	227.9	7.25	216.0	6.75	211.4	6.61	201.3	6.10	192.1	5.84
	104	35.6	241.1	7.82	227.9	7.20	216.0	6.73	211.4	6.57	201.3	6.10	192.1	5.80
		50.8	241.1	7.67	227.9	7.04	216.0	6.67	211.4	6.41	201.3	6.10	192.1	5.63
		63.6	241.1	7.51	227.9	7.04	216.0	6.57	211.4	6.41	201.3	5.94	192.1	5.63
		76.2	241.1	7.35	227.9	7.04	216.0	6.47	211.4	6.41	201.3	5.78	192.1	5.63
	113	20.4	241.1	7.29	227.9	6.65	216.0	5.96	211.4	5.84	201.3	5.51	192.1	5.04
		35.6	241.1	7.20	227.9	6.57	216.0	5.94	211.4	5.80	201.3	5.47	192.1	5.00
		50.8	241.1	6.88	227.9	6.27	216.0	5.88	211.4	5.63	201.3	5.33	192.1	4.86
		63.6	241.1	6.88	227.9	6.27	216.0	5.80	211.4	5.63	201.3	5.33	192.1	4.86
	121	76.2	241.1	6.88	227.9	6.27	216.0	5.72	211.4	5.63	201.3	5.33	192.1	4.86
		20.4	241.1	6.82	227.9	6.18	216.0	5.34	211.4	5.21	201.3	4.90	192.1	4.57
		35.6	241.1	6.73	227.9	6.10	216.0	5.33	211.4	5.16	201.3	4.86	192.1	4.53
		50.8	241.1	6.41	227.9	5.80	216.0	5.26	211.4	5.00	201.3	4.70	192.1	4.39
	128	63.6	241.1	6.27	227.9	5.80	216.0	5.16	211.4	5.00	201.3	4.70	192.1	4.39
		76.2	241.1	6.13	227.9	5.80	216.0	5.06	211.4	5.00	201.3	4.70	192.1	4.39
		20.4	241.1	6.35	227.9	5.71	216.0	4.71	211.4	4.57	201.3	4.27	192.1	4.10
		35.6	241.1	6.27	227.9	5.63	216.0	4.70	211.4	4.53	201.3	4.23	192.1	4.06
	135	50.8	241.1	5.94	227.9	5.33	216.0	4.63	211.4	4.39	201.3	4.06	192.1	3.92
		63.6	241.1	5.63	227.9	5.33	216.0	4.53	211.4	4.39	201.3	4.06	192.1	3.92
	142	76.2	241.1	5.32	227.9	5.33	216.0	4.43	211.4	4.39	201.3	4.06	192.1	3.92

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM191DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
90	23	20.4	82.0	9.25	79.4	8.42	77.1	7.40	76.5	7.05	75.9	6.79	74.6	6.10
		35.6	84.8	9.41	82.2	8.58	79.8	7.56	79.2	7.20	78.6	6.95	77.2	6.23
		50.8	96.0	10.04	93.0	9.21	90.2	8.21	89.6	7.82	89.0	7.54	87.2	6.77
		63.6	106.1	10.67	102.7	9.86	99.7	8.86	98.9	8.43	98.3	8.13	96.4	7.30
		76.2	116.0	11.29	112.2	10.50	109.1	9.50	108.1	9.03	107.5	8.71	105.5	7.82
	32	20.4	146.6	12.60	139.8	11.82	133.4	10.85	131.5	10.35	129.2	9.96	124.4	8.94
		35.6	147.5	12.63	140.7	11.85	134.2	10.88	132.2	10.38	130.0	9.99	125.2	8.97
		50.8	150.9	12.76	143.9	11.98	137.4	10.99	135.2	10.49	133.0	10.10	128.2	9.07
		63.6	153.1	12.76	146.1	11.98	139.6	10.99	137.2	10.49	135.2	10.10	130.2	9.07
		76.2	155.3	12.76	148.3	11.98	141.8	10.99	139.2	10.49	137.4	10.10	132.2	9.07
	41	20.4	207.2	13.52	200.5	12.76	194.1	11.81	190.1	11.26	181.6	10.84	173.0	9.73
		35.6	207.4	13.58	200.3	12.82	194.1	11.87	190.1	11.32	181.6	10.90	173.0	9.78
		50.8	208.2	13.83	199.7	13.07	194.1	12.09	190.1	11.54	181.6	11.12	173.0	9.97
		63.6	209.4	13.91	200.3	13.15	194.1	12.19	190.1	11.62	181.6	11.20	173.0	10.05
		76.2	210.6	13.99	200.9	13.23	194.1	12.29	190.1	11.70	181.6	11.28	173.0	10.13
	50	20.4	208.3	11.94	201.2	11.35	194.1	10.69	190.1	10.25	181.6	9.84	173.0	8.86
		35.6	208.2	11.95	200.9	11.37	194.1	10.70	190.1	10.26	181.6	9.83	173.0	8.87
		50.8	207.8	11.98	199.9	11.41	194.1	10.75	190.1	10.31	181.6	9.79	173.0	8.90
		63.6	209.2	11.95	200.5	11.38	194.1	10.72	190.1	10.28	181.6	9.83	173.0	8.94
		76.2	210.6	11.92	201.1	11.35	194.1	10.69	190.1	10.25	181.6	9.87	173.0	8.98
	59	20.4	209.3	10.34	201.9	9.97	194.1	9.59	190.1	9.26	181.6	8.84	173.0	8.02
		35.6	209.0	10.30	201.5	9.92	194.1	9.55	190.1	9.23	181.6	8.76	173.0	7.98
		50.8	207.6	10.13	200.1	9.76	194.1	9.39	190.1	9.08	181.6	8.45	173.0	7.82
		63.6	209.0	9.99	200.7	9.62	194.1	9.23	190.1	8.92	181.6	8.45	173.0	7.82
		76.2	210.4	9.85	201.3	9.48	194.1	9.07	190.1	8.76	181.6	8.45	173.0	7.82
	68	20.4	210.6	8.73	202.7	8.48	194.1	8.18	190.1	7.86	181.6	7.59	173.0	7.12
		35.6	210.4	8.73	202.3	8.45	194.1	8.14	190.1	7.82	181.6	7.51	173.0	7.04
		50.8	209.6	8.73	200.7	8.35	194.1	7.98	190.1	7.67	181.6	7.20	173.0	6.73
		63.6	210.2	8.58	201.3	8.29	194.1	7.98	190.1	7.67	181.6	7.20	173.0	6.73
		76.2	210.8	8.43	201.9	8.23	194.1	7.98	190.1	7.67	181.6	7.20	173.0	6.73
	77	20.4	214.1	7.63	205.4	7.22	194.1	6.92	190.1	6.57	181.6	6.31	173.0	5.84
		35.6	214.6	7.61	205.4	7.20	194.1	6.88	190.1	6.57	181.6	6.27	173.0	5.80
		50.8	216.6	7.54	205.4	7.14	194.1	6.73	190.1	6.57	181.6	6.10	173.0	5.63
		63.6	217.4	7.35	205.4	6.98	194.1	6.73	190.1	6.41	181.6	6.10	173.0	5.63
		76.2	218.2	7.16	205.4	6.82	194.1	6.73	190.1	6.25	181.6	6.10	173.0	5.63
	86	20.4	217.4	6.92	205.4	6.45	194.1	5.98	190.1	5.84	181.6	5.51	173.0	5.00
		35.6	217.4	6.88	205.4	6.41	194.1	5.94	190.1	5.80	181.6	5.47	173.0	5.00
		50.8	217.4	6.73	205.4	6.27	194.1	5.80	190.1	5.63	181.6	5.33	173.0	5.00
		63.6	217.4	6.57	205.4	6.10	194.1	5.80	190.1	5.63	181.6	5.33	173.0	4.86
		76.2	217.4	6.41	205.4	5.93	194.1	5.80	190.1	5.63	181.6	5.33	173.0	4.72
	95	20.4	217.4	6.31	205.4	5.84	194.1	5.37	190.1	5.21	181.6	4.90	173.0	4.57
		35.6	217.4	6.27	205.4	5.80	194.1	5.33	190.1	5.16	181.6	4.86	173.0	4.53
		50.8	217.4	6.10	205.4	5.63	194.1	5.16	190.1	5.00	181.6	4.70	173.0	4.39
		63.6	217.4	5.94	205.4	5.47	194.1	5.00	190.1	4.86	181.6	4.70	173.0	4.39
		76.2	217.4	5.78	205.4	5.31	194.1	4.84	190.1	4.72	181.6	4.70	173.0	4.39
	104	20.4	217.4	5.88	205.4	5.37	194.1	4.74	190.1	4.57	181.6	4.43	173.0	4.10
		35.6	217.4	5.80	205.4	5.33	194.1	4.70	190.1	4.53	181.6	4.39	173.0	4.06
		50.8	217.4	5.47	205.4	5.16	194.1	4.53	190.1	4.39	181.6	4.23	173.0	3.92
		63.6	217.4	5.47	205.4	5.16	194.1	4.53	190.1	4.39	181.6	4.23	173.0	3.92
		76.2	217.4	5.47	205.4	5.16	194.1	4.53	190.1	4.39	181.6	4.23	173.0	3.92
	113	20.4	217.4	5.44	205.4	4.90	194.1	4.10	190.1	3.96	181.6	3.96	173.0	3.63
		35.6	217.4	5.33	205.4	4.86	194.1	4.06	190.1	3.92	181.6	3.92	173.0	3.59
		50.8	217.4	4.86	205.4	4.70	194.1	3.92	190.1	3.76	181.6	3.76	173.0	3.45
		63.6	217.4	5.00	205.4	4.86	194.1	4.06	190.1	3.92	181.6	3.76	173.0	3.45
		76.2	217.4	5.14	205.4	5.02	194.1	4.20	190.1	4.08	181.6	3.76	173.0	3.45

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
80	23	20.4	77.5	6.59	72.7	6.34	68.8	6.07	68.0	5.86	67.6	5.59	66.2	5.15
		35.6	80.2	6.73	75.1	6.48	71.1	6.20	70.3	5.99	69.9	5.71	68.5	5.26
		50.8	90.6	7.32	85.0	7.03	80.4	6.72	79.6	6.49	79.2	6.20	77.6	5.70
		63.6	100.3	7.88	93.8	7.58	88.8	7.25	87.8	7.01	87.4	6.69	85.6	6.15
		76.2	109.8	8.43	102.5	8.12	97.1	7.77	95.9	7.52	95.5	7.17	93.5	6.59
	32	20.4	138.4	9.67	127.6	9.28	118.8	8.90	116.6	8.59	115.0	8.18	110.7	7.54
		35.6	139.2	9.70	128.4	9.31	119.6	8.92	117.3	8.61	115.7	8.21	111.3	7.56
		50.8	142.7	9.81	131.4	9.42	122.4	9.02	120.2	8.71	118.5	8.31	113.9	7.64
		63.6	144.7	9.81	133.4	9.42	124.4	9.02	122.0	8.71	120.4	8.31	115.7	7.64
		76.2	146.7	9.81	135.4	9.42	126.4	9.02	123.8	8.71	122.3	8.31	117.5	7.64
	41	20.4	191.5	10.51	180.7	10.12	172.7	9.66	169.0	9.34	161.7	8.91	153.7	8.20
		35.6	191.9	10.57	181.0	10.17	172.8	9.71	169.0	9.39	161.7	8.95	153.7	8.24
		50.8	193.5	10.80	182.4	10.36	173.0	9.92	169.0	9.58	161.7	9.13	153.7	8.42
		63.6	193.5	10.86	182.2	10.44	173.0	9.99	169.0	9.65	161.7	9.20	153.7	8.47
		76.2	193.5	10.92	182.0	10.52	173.0	10.06	169.0	9.72	161.7	9.27	153.7	8.52
	50	20.4	192.5	9.68	181.4	9.24	172.7	8.77	169.0	8.53	161.7	8.07	153.7	7.48
		35.6	192.7	9.67	181.6	9.23	172.8	8.77	169.0	8.53	161.7	8.08	153.7	7.48
		50.8	193.5	9.62	182.4	9.18	173.0	8.79	169.0	8.55	161.7	8.09	153.7	7.50
		63.6	193.5	9.58	182.2	9.21	173.0	8.82	169.0	8.50	161.7	8.05	153.7	7.45
		76.2	193.5	9.54	182.0	9.24	173.0	8.85	169.0	8.45	161.7	8.01	153.7	7.40
	59	20.4	193.5	8.84	182.2	8.37	173.0	7.86	169.0	7.71	161.7	7.25	153.7	6.78
		35.6	193.5	8.76	182.2	8.29	173.0	7.82	169.0	7.67	161.7	7.20	153.7	6.73
		50.8	193.5	8.45	182.2	7.98	173.0	7.67	169.0	7.51	161.7	7.04	153.7	6.57
		63.6	193.5	8.29	182.2	7.98	173.0	7.67	169.0	7.35	161.7	6.88	153.7	6.41
		76.2	193.5	8.13	182.2	7.98	173.0	7.67	169.0	7.19	161.7	6.72	153.7	6.25
	68	20.4	193.5	7.39	182.2	7.08	173.0	6.73	169.0	6.61	161.7	6.31	153.7	5.84
		35.6	193.5	7.35	182.2	7.04	173.0	6.73	169.0	6.57	161.7	6.27	153.7	5.80
		50.8	193.5	7.20	182.2	6.88	173.0	6.73	169.0	6.41	161.7	6.10	153.7	5.63
		63.6	193.5	7.04	182.2	6.73	173.0	6.57	169.0	6.41	161.7	5.94	153.7	5.63
		76.2	193.5	6.88	182.2	6.58	173.0	6.41	169.0	6.41	161.7	5.78	153.7	5.63
	77	20.4	193.5	6.61	182.2	6.14	173.0	5.80	169.0	5.67	161.7	5.37	153.7	5.04
		35.6	193.5	6.57	182.2	6.10	173.0	5.80	169.0	5.63	161.7	5.33	153.7	5.00
		50.8	193.5	6.41	182.2	5.94	173.0	5.80	169.0	5.47	161.7	5.16	153.7	4.86
		63.6	193.5	6.27	182.2	5.94	173.0	5.63	169.0	5.47	161.7	5.16	153.7	4.86
		76.2	193.5	6.13	182.2	5.94	173.0	5.46	169.0	5.47	161.7	5.16	153.7	4.86
	86	20.4	193.5	5.84	182.2	5.51	173.0	5.21	169.0	5.04	161.7	4.74	153.7	4.43
		35.6	193.5	5.80	182.2	5.47	173.0	5.16	169.0	5.00	161.7	4.70	153.7	4.39
		50.8	193.5	5.63	182.2	5.33	173.0	5.00	169.0	4.86	161.7	4.53	153.7	4.23
		63.6	193.5	5.63	182.2	5.33	173.0	5.00	169.0	4.86	161.7	4.53	153.7	4.23
		76.2	193.5	5.63	182.2	5.33	173.0	5.00	169.0	4.86	161.7	4.53	153.7	4.23
	95	20.4	193.5	5.37	182.2	5.04	173.0	4.57	169.0	4.39	161.7	4.27	153.7	3.92
		35.6	193.5	5.33	182.2	5.00	173.0	4.53	169.0	4.39	161.7	4.23	153.7	3.92
		50.8	193.5	5.16	182.2	4.86	173.0	4.39	169.0	4.39	161.7	4.06	153.7	3.92
		63.6	193.5	5.16	182.2	4.70	173.0	4.39	169.0	4.23	161.7	4.06	153.7	3.76
		76.2	193.5	5.16	182.2	4.54	173.0	4.39	169.0	4.07	161.7	4.06	153.7	3.60
	104	20.4	193.5	5.08	182.2	4.57	173.0	4.06	169.0	4.10	161.7	3.76	153.7	3.63
		35.6	193.5	5.00	182.2	4.53	173.0	4.06	169.0	4.06	161.7	3.76	153.7	3.59
		50.8	193.5	4.70	182.2	4.39	173.0	4.06	169.0	3.92	161.7	3.76	153.7	3.45
		63.6	193.5	4.70	182.2	4.39	173.0	3.92	169.0	3.92	161.7	3.76	153.7	3.45
		76.2	193.5	4.70	182.2	4.39	173.0	3.78	169.0	3.92	161.7	3.76	153.7	3.45
	113	20.4	193.5	4.81	182.2	4.10	173.0	3.55	169.0	3.83	161.7	3.25	153.7	3.36
		35.6	193.5	4.70	182.2	4.06	173.0	3.59	169.0	3.76	161.7	3.29	153.7	3.29
		50.8	193.5	4.23	182.2	3.92	173.0	3.76	169.0	3.45	161.7	3.45	153.7	2.98
		63.6	193.5	4.23	182.2	4.06	173.0	3.45	169.0	3.59	161.7	3.45	153.7	3.12
		76.2	193.5	4.23	182.2	4.20	173.0	3.14	169.0	3.73	161.7	3.45	153.7	3.26

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM191DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
70	23	20.4	67.6	5.66	63.5	5.39	60.1	5.21	59.5	4.91	59.1	4.74	58.1	4.31
		35.6	69.9	5.78	65.7	5.50	62.1	5.33	61.5	5.02	61.1	4.84	60.1	4.40
		50.8	79.2	6.27	74.3	5.97	70.1	5.78	69.5	5.44	69.1	5.25	67.9	4.78
		63.6	87.6	6.77	82.2	6.44	77.6	6.23	77.0	5.86	76.4	5.67	74.9	5.15
		76.2	95.9	7.26	90.0	6.90	85.0	6.67	84.4	6.27	83.6	6.08	81.8	5.51
	32	20.4	121.1	8.28	111.9	7.90	103.9	7.63	102.1	7.18	100.5	6.94	96.9	6.31
		35.6	121.8	8.31	112.5	7.92	104.5	7.66	102.7	7.20	101.1	6.96	97.5	6.33
		50.8	124.6	8.40	115.1	8.00	106.9	7.75	105.1	7.29	103.5	7.04	99.7	6.39
		63.6	126.4	8.40	116.9	8.00	108.5	7.75	106.7	7.29	105.1	7.04	101.3	6.39
		76.2	128.2	8.40	118.7	8.00	110.1	7.75	108.3	7.29	106.7	7.04	102.9	6.39
	41	20.4	167.2	9.02	158.4	8.58	150.8	8.31	147.7	7.83	141.1	7.55	134.4	6.86
		35.6	167.6	9.07	158.7	8.63	150.9	8.35	147.7	7.87	141.1	7.59	134.4	6.90
		50.8	169.0	9.24	159.9	8.81	151.1	8.53	147.7	8.01	141.1	7.75	134.4	7.04
		63.6	169.0	9.31	159.7	8.87	151.1	8.60	147.7	8.08	141.1	7.80	134.4	7.09
		76.2	169.0	9.38	159.5	8.93	151.1	8.67	147.7	8.15	141.1	7.85	134.4	7.14
	50	20.4	168.0	8.31	159.0	7.85	151.1	7.56	147.7	7.14	141.1	6.85	134.4	6.27
		35.6	168.2	8.29	159.1	7.84	151.1	7.54	147.7	7.14	141.1	6.85	134.4	6.27
		50.8	169.0	8.22	159.7	7.77	151.1	7.48	147.7	7.14	141.1	6.85	134.4	6.27
		63.6	169.0	8.26	159.7	7.80	151.1	7.51	147.7	7.17	141.1	6.80	134.4	6.28
		76.2	169.0	8.30	159.7	7.83	151.1	7.54	147.7	7.20	141.1	6.75	134.4	6.29
	59	20.4	169.0	7.59	159.7	7.12	151.1	6.82	147.7	6.45	141.1	6.14	134.4	5.67
		35.6	169.0	7.51	159.7	7.04	151.1	6.73	147.7	6.41	141.1	6.10	134.4	5.63
		50.8	169.0	7.20	159.7	6.73	151.1	6.41	147.7	6.27	141.1	5.94	134.4	5.47
		63.6	169.0	7.20	159.7	6.73	151.1	6.41	147.7	6.27	141.1	5.80	134.4	5.47
		76.2	169.0	7.20	159.7	6.73	151.1	6.41	147.7	6.27	141.1	5.66	134.4	5.47
	68	20.4	169.0	6.31	159.7	5.98	151.1	5.84	147.7	5.67	141.1	5.37	134.4	5.04
		35.6	169.0	6.27	159.7	5.94	151.1	5.80	147.7	5.63	141.1	5.33	134.4	5.00
		50.8	169.0	6.10	159.7	5.80	151.1	5.63	147.7	5.47	141.1	5.16	134.4	4.86
		63.6	169.0	6.10	159.7	5.80	151.1	5.63	147.7	5.33	141.1	5.16	134.4	4.70
		76.2	169.0	6.10	159.7	5.80	151.1	5.63	147.7	5.19	141.1	5.16	134.4	4.54
	77	20.4	169.0	5.67	159.7	5.37	151.1	5.04	147.7	4.90	141.1	4.53	134.4	4.23
		35.6	169.0	5.63	159.7	5.33	151.1	5.00	147.7	4.86	141.1	4.53	134.4	4.23
		50.8	169.0	5.47	159.7	5.16	151.1	4.86	147.7	4.70	141.1	4.53	134.4	4.23
		63.6	169.0	5.33	159.7	5.00	151.1	4.86	147.7	4.70	141.1	4.39	134.4	4.23
		76.2	169.0	5.19	159.7	4.84	151.1	4.86	147.7	4.70	141.1	4.25	134.4	4.23
	86	20.4	169.0	5.04	159.7	4.74	151.1	4.43	147.7	4.23	141.1	4.10	134.4	3.76
		35.6	169.0	5.00	159.7	4.70	151.1	4.39	147.7	4.23	141.1	4.06	134.4	3.76
		50.8	169.0	4.86	159.7	4.53	151.1	4.23	147.7	4.23	141.1	3.92	134.4	3.76
		63.6	169.0	4.86	159.7	4.53	151.1	4.23	147.7	4.06	141.1	3.92	134.4	3.76
		76.2	169.0	4.86	159.7	4.53	151.1	4.23	147.7	3.89	141.1	3.92	134.4	3.76
	95	20.4	169.0	4.57	159.7	4.27	151.1	3.92	147.7	3.96	141.1	3.59	134.4	3.49
		35.6	169.0	4.53	159.7	4.23	151.1	3.92	147.7	3.92	141.1	3.59	134.4	3.45
		50.8	169.0	4.39	159.7	4.06	151.1	3.92	147.7	3.76	141.1	3.59	134.4	3.29
		63.6	169.0	4.39	159.7	4.06	151.1	3.76	147.7	3.76	141.1	3.59	134.4	3.29
		76.2	169.0	4.39	159.7	4.06	151.1	3.60	147.7	3.76	141.1	3.59	134.4	3.29
	104	20.4	169.0	4.27	159.7	3.96	151.1	3.63	147.7	3.45	141.1	3.29	134.4	3.16
		35.6	169.0	4.23	159.7	3.92	151.1	3.59	147.7	3.45	141.1	3.29	134.4	3.12
		50.8	169.0	4.06	159.7	3.76	151.1	3.45	147.7	3.45	141.1	3.29	134.4	2.98
		63.6	169.0	4.06	159.7	3.76	151.1	3.45	147.7	3.29	141.1	3.12	134.4	2.98
		76.2	169.0	4.06	159.7	3.76	151.1	3.45	147.7	3.13	141.1	2.95	134.4	2.98
	113	20.4	169.0	3.96	159.7	3.63	151.1	3.36	147.7	2.94	141.1	2.98	134.4	2.86
		35.6	169.0	3.92	159.7	3.59	151.1	3.29	147.7	2.98	141.1	2.98	134.4	2.82
		50.8	169.0	3.76	159.7	3.45	151.1	2.98	147.7	3.12	141.1	2.98	134.4	2.66
		63.6	169.0	3.76	159.7	3.45	151.1	3.12	147.7	2.82	141.1	2.66	134.4	2.66
		76.2	169.0	3.76	159.7	3.45	151.1	3.26	147.7	2.52	141.1	2.35	134.4	2.66

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
60	23	20.4	58.0	4.59	54.4	4.42	51.5	4.24	50.9	3.95	50.7	3.88	49.7	3.47
		35.6	60.1	4.70	56.3	4.52	53.2	4.34	52.6	4.03	52.4	3.97	51.4	3.55
		50.8	68.1	5.10	63.7	4.91	60.3	4.71	59.7	4.37	59.5	4.31	58.3	3.85
		63.6	75.1	5.49	70.3	5.29	66.7	5.08	65.9	4.73	65.7	4.65	64.3	4.14
		76.2	82.0	5.87	76.8	5.66	73.0	5.44	72.0	5.08	71.8	4.98	70.2	4.43
	32	20.4	103.9	6.73	95.7	6.49	89.3	6.21	87.5	5.78	86.3	5.70	83.1	5.09
		35.6	104.5	6.75	96.2	6.51	89.8	6.23	88.0	5.80	86.8	5.71	83.6	5.10
		50.8	106.9	6.83	98.5	6.57	92.0	6.31	90.0	5.86	88.8	5.78	85.4	5.15
		63.6	108.5	6.83	100.1	6.57	93.4	6.31	91.4	5.86	90.2	5.78	86.8	5.15
		76.2	110.1	6.83	101.7	6.57	94.8	6.31	92.8	5.86	91.6	5.78	88.2	5.15
	41	20.4	143.6	7.33	135.4	7.05	129.8	6.76	126.6	6.30	121.2	6.20	115.3	5.52
		35.6	143.9	7.37	135.6	7.09	129.8	6.80	126.6	6.33	121.2	6.23	115.3	5.55
		50.8	145.1	7.51	136.6	7.24	129.8	6.95	126.6	6.46	121.2	6.36	115.3	5.67
		63.6	145.1	7.58	136.4	7.29	129.8	6.99	126.6	6.51	121.2	6.39	115.3	5.71
		76.2	145.1	7.65	136.2	7.34	129.8	7.03	126.6	6.56	121.2	6.42	115.3	5.75
	50	20.4	144.3	6.73	135.9	6.44	129.8	6.14	126.6	5.73	121.2	5.62	115.3	5.04
		35.6	144.5	6.73	136.0	6.44	129.8	6.14	126.6	5.75	121.2	5.62	115.3	5.05
		50.8	145.1	6.73	136.6	6.44	129.8	6.14	126.6	5.81	121.2	5.60	115.3	5.10
		63.6	145.1	6.75	136.4	6.38	129.8	6.07	126.6	5.75	121.2	5.55	115.3	5.05
		76.2	145.1	6.77	136.2	6.32	129.8	6.00	126.6	5.69	121.2	5.50	115.3	5.00
	59	20.4	145.1	6.14	136.4	5.84	129.8	5.51	126.6	5.16	121.2	5.04	115.3	4.53
		35.6	145.1	6.10	136.4	5.80	129.8	5.47	126.6	5.16	121.2	5.00	115.3	4.53
		50.8	145.1	5.94	136.4	5.63	129.8	5.33	126.6	5.16	121.2	4.86	115.3	4.53
		63.6	145.1	5.94	136.4	5.47	129.8	5.16	126.6	5.00	121.2	4.70	115.3	4.39
		76.2	145.1	5.94	136.4	5.31	129.8	4.99	126.6	4.84	121.2	4.54	115.3	4.25
	68	20.4	145.1	5.37	136.4	5.04	129.8	4.74	126.6	4.57	121.2	4.43	115.3	4.10
		35.6	145.1	5.33	136.4	5.00	129.8	4.70	126.6	4.53	121.2	4.39	115.3	4.06
		50.8	145.1	5.16	136.4	4.86	129.8	4.53	126.6	4.39	121.2	4.23	115.3	3.92
		63.6	145.1	5.16	136.4	4.86	129.8	4.53	126.6	4.39	121.2	4.23	115.3	3.92
		76.2	145.1	5.16	136.4	4.86	129.8	4.53	126.6	4.39	121.2	4.23	115.3	3.92
	77	20.4	145.1	4.74	136.4	4.43	129.8	4.06	126.6	4.10	121.2	3.76	115.3	3.63
		35.6	145.1	4.70	136.4	4.39	129.8	4.06	126.6	4.06	121.2	3.76	115.3	3.59
		50.8	145.1	4.53	136.4	4.23	129.8	4.06	126.6	3.92	121.2	3.76	115.3	3.45
		63.6	145.1	4.53	136.4	4.23	129.8	3.92	126.6	3.92	121.2	3.76	115.3	3.45
		76.2	145.1	4.53	136.4	4.23	129.8	3.78	126.6	3.92	121.2	3.76	115.3	3.45
	86	20.4	145.1	4.27	136.4	3.96	129.8	3.80	126.6	3.63	121.2	3.49	115.3	3.33
		35.6	145.1	4.23	136.4	3.92	129.8	3.76	126.6	3.59	121.2	3.45	115.3	3.29
		50.8	145.1	4.06	136.4	3.76	129.8	3.59	126.6	3.45	121.2	3.29	115.3	3.12
		63.6	145.1	4.06	136.4	3.76	129.8	3.59	126.6	3.45	121.2	3.29	115.3	3.12
		76.2	145.1	4.06	136.4	3.76	129.8	3.59	126.6	3.45	121.2	3.29	115.3	3.12
	95	20.4	145.1	3.76	136.4	3.63	129.8	3.29	126.6	3.33	121.2	3.16	115.3	3.02
		35.6	145.1	3.76	136.4	3.59	129.8	3.29	126.6	3.29	121.2	3.12	115.3	2.98
		50.8	145.1	3.76	136.4	3.45	129.8	3.29	126.6	3.12	121.2	2.98	115.3	2.82
		63.6	145.1	3.76	136.4	3.45	129.8	3.12	126.6	3.12	121.2	2.98	115.3	2.82
		76.2	145.1	3.76	136.4	3.45	129.8	2.95	126.6	3.12	121.2	2.98	115.3	2.82
	104	20.4	145.1	3.45	136.4	3.33	129.8	2.98	126.6	3.02	121.2	2.86	115.3	2.66
		35.6	145.1	3.45	136.4	3.29	129.8	2.98	126.6	2.98	121.2	2.82	115.3	2.66
		50.8	145.1	3.45	136.4	3.12	129.8	2.98	126.6	2.82	121.2	2.66	115.3	2.66
		63.6	145.1	3.45	136.4	3.12	129.8	2.98	126.6	2.82	121.2	2.66	115.3	2.66
		76.2	145.1	3.45	136.4	3.12	129.8	2.98	126.6	2.82	121.2	2.66	115.3	2.66
	113	20.4	145.1	3.12	136.4	3.02	129.8	2.66	126.6	2.69	121.2	2.55	115.3	2.31
		35.6	145.1	3.12	136.4	2.98	129.8	2.66	126.6	2.66	121.2	2.51	115.3	2.35
		50.8	145.1	3.12	136.4	2.82	129.8	2.66	126.6	2.51	121.2	2.35	115.3	2.51
		63.6	145.1	3.12	136.4	2.82	129.8	2.82	126.6	2.51	121.2	2.35	115.3	2.51
		76.2	145.1	3.12	136.4	2.82	129.8	2.98	126.6	2.51	121.2	2.35	115.3	2.51

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA

ARWM191DAS5

192,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
50	23	20.4	48.4	3.66	45.5	3.47	42.9	3.28	42.3	3.10	42.1	2.91	41.4	2.76
		35.6	50.0	3.74	47.0	3.55	44.4	3.35	43.8	3.17	43.6	2.98	42.8	2.82
		50.8	56.5	4.05	53.0	3.85	50.2	3.63	49.6	3.45	49.4	3.24	48.4	3.04
		63.6	62.5	4.37	58.7	4.14	55.5	3.92	54.9	3.72	54.5	3.48	53.6	3.29
		76.2	68.4	4.69	64.3	4.43	60.7	4.21	60.1	3.99	59.5	3.72	58.7	3.54
	32	20.4	86.3	5.36	79.9	5.09	74.3	4.79	72.7	4.55	71.7	4.28	69.1	4.04
		35.6	86.8	5.37	80.4	5.10	74.7	4.81	73.1	4.57	72.1	4.29	69.5	4.05
		50.8	88.8	5.42	82.2	5.15	76.6	4.87	74.9	4.63	73.9	4.34	71.1	4.10
		63.6	90.2	5.42	83.4	5.15	77.6	4.87	76.2	4.63	74.9	4.34	72.3	4.10
		76.2	91.6	5.42	84.6	5.15	78.6	4.87	77.5	4.63	75.9	4.34	73.5	4.10
	41	20.4	119.3	5.83	113.1	5.52	107.8	5.22	105.3	4.96	100.7	4.66	96.0	4.38
		35.6	119.6	5.86	113.3	5.55	107.9	5.25	105.3	4.99	100.7	4.68	96.0	4.40
		50.8	120.6	5.97	114.1	5.67	108.1	5.36	105.3	5.08	100.7	4.76	96.0	4.50
		63.6	120.6	6.02	113.9	5.71	108.1	5.39	105.3	5.12	100.7	4.81	96.0	4.53
		76.2	120.6	6.07	113.7	5.75	108.1	5.42	105.3	5.16	100.7	4.86	96.0	4.56
	50	20.4	120.1	5.37	113.4	5.06	107.8	4.75	105.3	4.54	100.7	4.20	96.0	4.01
		35.6	120.2	5.36	113.5	5.05	107.9	4.74	105.3	4.53	100.7	4.21	96.0	4.00
		50.8	120.6	5.33	114.1	5.03	108.1	4.71	105.3	4.50	100.7	4.26	96.0	3.97
		63.6	120.6	5.36	113.9	5.05	108.1	4.73	105.3	4.52	100.7	4.19	96.0	3.98
		76.2	120.6	5.39	113.7	5.07	108.1	4.75	105.3	4.54	100.7	4.12	96.0	3.99
	59	20.4	120.6	4.90	113.9	4.57	108.1	4.27	105.3	4.10	100.7	3.76	96.0	3.63
		35.6	120.6	4.86	113.9	4.53	108.1	4.23	105.3	4.06	100.7	3.76	96.0	3.59
		50.8	120.6	4.70	113.9	4.39	108.1	4.06	105.3	3.92	100.7	3.76	96.0	3.45
		63.6	120.6	4.70	113.9	4.39	108.1	4.06	105.3	3.92	100.7	3.59	96.0	3.45
		76.2	120.6	4.70	113.9	4.39	108.1	4.06	105.3	3.92	100.7	3.42	96.0	3.45
	68	20.4	120.6	4.27	113.9	3.96	108.1	3.80	105.3	3.63	100.7	3.49	96.0	3.12
		35.6	120.6	4.23	113.9	3.92	108.1	3.76	105.3	3.59	100.7	3.45	96.0	3.12
		50.8	120.6	4.06	113.9	3.76	108.1	3.59	105.3	3.45	100.7	3.29	96.0	3.12
		63.6	120.6	4.06	113.9	3.76	108.1	3.59	105.3	3.45	100.7	3.29	96.0	3.12
		76.2	120.6	4.06	113.9	3.76	108.1	3.59	105.3	3.45	100.7	3.29	96.0	3.12
	77	20.4	120.6	3.80	113.9	3.45	108.1	3.33	105.3	3.12	100.7	2.98	96.0	2.82
		35.6	120.6	3.76	113.9	3.45	108.1	3.29	105.3	3.12	100.7	2.98	96.0	2.82
		50.8	120.6	3.59	113.9	3.45	108.1	3.12	105.3	3.12	100.7	2.98	96.0	2.82
		63.6	120.6	3.59	113.9	3.45	108.1	3.12	105.3	3.12	100.7	2.98	96.0	2.82
		76.2	120.6	3.59	113.9	3.45	108.1	3.12	105.3	3.12	100.7	2.98	96.0	2.82
	86	20.4	120.6	3.49	113.9	3.16	108.1	3.02	105.3	2.82	100.7	2.86	96.0	2.69
		35.6	120.6	3.45	113.9	3.12	108.1	2.98	105.3	2.82	100.7	2.82	96.0	2.66
		50.8	120.6	3.29	113.9	2.98	108.1	2.82	105.3	2.82	100.7	2.66	96.0	2.51
		63.6	120.6	3.29	113.9	2.98	108.1	2.82	105.3	2.82	100.7	2.66	96.0	2.51
		76.2	120.6	3.29	113.9	2.98	108.1	2.82	105.3	2.82	100.7	2.66	96.0	2.51
	95	20.4	120.6	3.16	113.9	2.82	108.1	2.66	105.3	2.69	100.7	2.51	96.0	2.35
		35.6	120.6	3.12	113.9	2.82	108.1	2.66	105.3	2.66	100.7	2.51	96.0	2.35
		50.8	120.6	2.98	113.9	2.82	108.1	2.66	105.3	2.51	100.7	2.51	96.0	2.35
		63.6	120.6	2.98	113.9	2.82	108.1	2.66	105.3	2.51	100.7	2.51	96.0	2.35
		76.2	120.6	2.98	113.9	2.82	108.1	2.66	105.3	2.51	100.7	2.51	96.0	2.35
	104	20.4	120.6	2.86	113.9	2.69	108.1	2.55	105.3	2.35	100.7	2.39	96.0	2.19
		35.6	120.6	2.82	113.9	2.66	108.1	2.51	105.3	2.35	100.7	2.35	96.0	2.19
		50.8	120.6	2.66	113.9	2.51	108.1	2.35	105.3	2.35	100.7	2.19	96.0	2.19
		63.6	120.6	2.66	113.9	2.51	108.1	2.35	105.3	2.35	100.7	2.19	96.0	2.19
		76.2	120.6	2.66	113.9	2.51	108.1	2.35	105.3	2.35	100.7	2.19	96.0	2.19
	113	20.4	120.6	2.55	113.9	2.59	108.1	2.43	105.3	2.00	100.7	2.26	96.0	2.04
		35.6	120.6	2.51	113.9	2.51	108.1	2.35	105.3	2.04	100.7	2.19	96.0	2.04
		50.8	120.6	2.35	113.9	2.19	108.1	2.04	105.3	2.19	100.7	1.88	96.0	2.04
		63.6	120.6	2.35	113.9	2.19	108.1	2.04	105.3	2.19	100.7	1.88	96.0	2.04
		76.2	120.6	2.35	113.9	2.19	108.1	2.04	105.3	2.19	100.7	1.88	96.0	2.04

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
130	23	22.4	115.0	11.36	114.1	10.70	113.4	9.96	111.9	9.66	113.2	9.41	110.1	8.44
		35.6	118.9	11.56	118.0	10.91	117.3	10.18	115.7	9.88	117.1	9.62	113.9	8.62
		55.8	134.5	12.35	133.4	11.73	132.7	11.04	130.9	10.72	132.5	10.42	129.1	9.35
		69.8	148.7	13.13	147.4	12.53	146.5	11.90	144.7	11.58	146.5	11.24	142.6	10.08
		83.7	162.1	13.87	160.6	13.28	159.5	12.71	157.7	12.39	159.7	12.01	155.3	10.77
	32	22.4	205.4	15.54	200.7	15.08	196.4	14.59	192.1	14.17	192.8	13.79	184.0	12.35
		35.6	206.6	15.58	201.9	15.12	197.6	14.63	193.3	14.22	193.9	13.82	185.1	12.38
		55.8	211.6	15.75	206.4	15.26	202.1	14.80	197.8	14.39	198.5	13.97	189.7	12.53
		69.8	214.7	15.75	209.5	15.26	205.3	14.80	200.7	14.39	201.4	13.97	192.4	12.53
		83.7	217.6	15.75	212.4	15.26	208.3	14.80	203.4	14.39	204.1	13.97	194.9	12.53
	41	22.4	295.8	16.70	291.3	16.29	285.2	15.88	278.0	15.43	270.6	15.00	255.7	13.44
		35.6	296.8	16.78	291.8	16.37	285.3	15.96	278.0	15.51	270.6	15.08	255.7	13.51
		55.8	300.9	17.08	293.9	16.67	285.5	16.28	278.0	15.83	270.6	15.38	255.7	13.79
		69.8	302.7	17.19	294.8	16.78	285.5	16.39	278.0	15.94	270.6	15.49	255.7	13.88
		83.7	304.4	17.29	295.6	16.88	285.5	16.49	278.0	16.04	270.6	15.59	255.7	13.96
	50	22.4	296.2	15.20	291.4	14.69	284.4	14.41	276.9	14.09	269.5	13.61	254.6	12.28
		35.6	297.9	15.17	292.7	14.70	285.5	14.44	278.0	14.09	270.6	13.60	255.7	12.27
		55.8	304.9	15.06	298.2	14.76	290.0	14.55	282.6	14.07	274.6	13.56	259.7	12.23
		69.8	306.5	15.26	300.2	14.97	291.8	14.61	283.9	14.12	276.5	13.79	261.3	12.81
		83.7	308.0	15.45	302.1	15.17	293.5	14.67	285.1	14.17	278.3	14.01	262.8	13.36
	59	22.4	296.6	13.70	291.4	13.11	283.2	12.97	275.8	12.76	268.5	12.22	253.6	11.13
		35.6	299.1	13.56	293.6	13.06	285.5	12.95	278.0	12.66	270.6	12.12	255.7	11.04
		55.8	308.8	13.02	302.5	12.83	294.5	12.83	287.1	12.29	278.7	11.75	263.8	10.66
		69.8	310.4	13.34	305.4	13.13	298.2	12.83	290.0	12.29	282.6	12.08	267.0	11.75
		83.7	311.9	13.64	308.1	13.41	301.7	12.83	292.7	12.29	286.3	12.39	270.0	12.78
	68	22.4	307.9	12.57	302.3	11.98	294.3	11.72	286.2	11.35	277.8	11.09	261.3	10.75
		35.6	310.4	12.48	304.7	11.97	296.6	11.71	288.4	11.39	280.3	11.17	263.8	10.66
		55.8	320.1	12.12	314.4	11.94	305.6	11.67	297.5	11.58	290.0	11.47	273.5	10.31
		69.8	321.4	12.12	316.7	11.94	309.2	11.75	300.4	11.58	292.3	11.47	275.8	10.96
		83.7	322.6	12.12	318.9	11.94	312.6	11.83	303.1	11.58	294.5	11.47	278.0	11.57
	77	22.4	325.1	11.98	316.7	11.64	309.2	11.44	303.4	11.25	296.6	11.08	279.6	10.35
		35.6	325.1	11.94	316.7	11.62	309.2	11.39	303.4	11.21	296.6	11.04	279.6	10.31
		55.8	325.1	11.75	316.7	11.54	309.2	11.21	303.4	11.04	296.6	10.85	279.6	10.12
		69.8	325.1	11.58	316.7	11.24	309.2	11.04	303.4	10.85	296.6	10.66	279.6	9.95
		83.7	325.1	11.42	316.7	10.96	309.2	10.88	303.4	10.67	296.6	10.48	279.6	9.79
	86	22.4	325.1	11.67	316.7	11.09	309.2	10.99	303.4	10.71	296.6	10.59	279.6	9.85
		35.6	325.1	11.58	316.7	11.07	309.2	10.92	303.4	10.66	296.6	10.49	279.6	9.77
		55.8	325.1	11.21	316.7	11.00	309.2	10.66	303.4	10.49	296.6	10.12	279.6	9.41
		69.8	325.1	11.04	316.7	10.70	309.2	10.49	303.4	10.31	296.6	10.12	279.6	9.41
		83.7	325.1	10.88	316.7	10.42	309.2	10.33	303.4	10.14	296.6	10.12	279.6	9.41
	95	22.4	325.1	11.13	316.7	10.76	309.2	10.54	303.4	10.16	296.6	9.81	279.6	9.13
		35.6	325.1	11.04	316.7	10.70	309.2	10.49	303.4	10.12	296.6	9.77	279.6	9.04
		55.8	325.1	10.66	316.7	10.46	309.2	10.31	303.4	9.95	296.6	9.58	279.6	8.68
		69.8	325.1	10.66	316.7	10.34	309.2	10.12	303.4	9.77	296.6	9.41	279.6	8.68
		83.7	325.1	10.66	316.7	10.23	309.2	9.94	303.4	9.60	296.6	9.25	279.6	8.68
	104	22.4	325.1	10.75	316.7	10.41	309.2	10.21	303.4	9.85	296.6	9.50	279.6	8.58
		35.6	325.1	10.66	316.7	10.34	309.2	10.12	303.4	9.77	296.6	9.41	279.6	8.49
		55.8	325.1	10.31	316.7	10.08	309.2	9.77	303.4	9.41	296.6	9.04	279.6	8.14
		69.8	325.1	10.12	316.7	9.91	309.2	9.77	303.4	9.41	296.6	9.04	279.6	8.14
		83.7	325.1	9.94	316.7	9.75	309.2	9.77	303.4	9.41	296.6	9.04	279.6	8.14
	113	22.4	325.1	10.40	316.7	10.06	309.2	9.90	303.4	9.55	296.6	9.17	279.6	8.04
		35.6	325.1	10.31	316.7	9.99	309.2	9.77	303.4	9.41	296.6	9.04	279.6	7.95
		55.8	325.1	9.95	316.7	9.73	309.2	9.22	303.4	8.87	296.6	8.49	279.6	7.60
		69.8	325.1	9.58	316.7	9.48	309.2	9.41	303.4	9.04	296.6	8.68	279.6	7.60
		83.7	325.1	9.23	316.7	9.24	309.2	9.59	303.4	9.20	296.6	8.86	279.6	7.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM216DAS5

216,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
120	23	22.4	109.3	11.36	108.4	10.70	107.7	9.96	106.4	9.54	107.3	9.26	104.5	8.29
		35.6	113.0	11.56	112.1	10.91	111.4	10.18	110.1	9.75	111.0	9.47	108.1	8.47
		55.8	127.9	12.35	126.8	11.73	126.1	11.04	124.6	10.57	125.7	10.27	122.3	9.20
		69.8	141.3	13.13	140.1	12.53	139.2	11.90	137.7	11.41	138.8	11.07	134.9	9.91
		83.7	153.9	13.87	152.6	13.28	151.6	12.71	150.1	12.20	151.2	11.82	146.8	10.58
	32	22.4	195.3	15.54	190.5	15.08	186.5	14.59	182.7	13.97	182.7	13.58	174.3	12.14
		35.6	196.4	15.58	191.7	15.12	187.6	14.63	183.8	14.01	183.8	13.62	175.4	12.18
		55.8	201.0	15.75	196.2	15.26	192.1	14.80	188.1	14.18	188.1	13.77	179.7	12.33
		69.8	204.1	15.75	199.4	15.26	195.1	14.80	191.0	14.18	190.8	13.77	182.4	12.33
		83.7	207.0	15.75	202.4	15.26	197.9	14.80	193.7	14.18	193.3	13.77	184.9	12.33
	41	22.4	281.5	16.70	277.3	16.29	271.3	15.88	264.7	15.20	256.3	14.78	242.3	13.23
		35.6	282.6	16.78	277.8	16.37	271.3	15.96	264.7	15.28	256.3	14.85	242.3	13.30
		55.8	286.6	17.08	279.8	16.67	271.3	16.28	264.7	15.60	256.3	15.15	242.3	13.56
		69.8	288.2	17.19	278.3	16.78	271.3	16.39	264.7	15.71	256.3	15.26	242.3	13.66
		83.7	289.7	17.29	276.9	16.88	271.3	16.49	264.7	15.81	256.3	15.36	242.3	13.75
	50	22.4	282.6	15.01	277.3	14.59	270.5	14.30	264.0	13.86	255.7	13.40	241.7	12.05
		35.6	283.9	15.06	278.5	14.65	271.3	14.35	264.7	13.88	256.3	13.39	242.3	12.07
		55.8	289.1	15.26	283.0	14.87	274.2	14.55	267.6	13.96	259.0	13.36	244.8	12.12
		69.8	290.7	15.21	282.1	14.87	275.3	14.61	268.8	14.01	260.2	13.41	245.9	12.53
		83.7	292.2	15.16	281.3	14.87	276.3	14.67	269.9	14.06	261.3	13.46	246.9	12.92
	59	22.4	283.4	13.31	277.7	12.92	269.7	12.72	263.2	12.52	255.0	12.02	241.0	10.90
		35.6	285.0	13.34	279.4	12.95	271.3	12.74	264.7	12.48	256.3	11.94	242.3	10.85
		55.8	291.6	13.45	286.2	13.06	277.4	12.83	270.6	12.29	261.5	11.58	247.5	10.66
		69.8	293.2	13.24	285.9	12.95	279.6	12.83	272.8	12.29	263.8	11.58	249.8	11.39
		83.7	294.7	13.04	285.6	12.85	281.7	12.83	274.9	12.29	266.0	11.58	252.0	12.08
	68	22.4	291.3	11.97	285.8	11.46	277.2	11.16	269.5	10.99	260.8	10.86	246.7	10.31
		35.6	293.2	11.97	287.5	11.50	278.7	11.21	271.3	11.04	262.4	10.85	248.2	10.27
		55.8	300.6	11.97	294.3	11.67	284.8	11.39	278.0	11.21	269.0	10.81	254.1	10.12
		69.8	302.0	11.86	294.1	11.58	287.1	11.39	279.6	11.21	270.6	10.85	255.7	10.49
		83.7	303.3	11.76	293.9	11.50	289.3	11.39	281.1	11.21	272.1	10.89	257.2	10.84
	77	22.4	305.4	11.32	296.6	10.79	287.1	10.59	281.0	10.35	273.5	10.16	258.6	9.46
		35.6	305.6	11.28	296.6	10.78	287.1	10.57	281.0	10.31	273.5	10.12	258.6	9.41
		55.8	306.3	11.11	296.6	10.70	287.1	10.49	281.0	10.12	273.5	9.95	258.6	9.22
		69.8	307.2	10.70	296.6	10.42	287.1	10.31	281.0	10.12	273.5	9.77	258.6	9.22
		83.7	308.0	10.31	296.6	10.16	287.1	10.14	281.0	10.12	273.5	9.60	258.6	9.22
	86	22.4	307.2	10.83	296.6	10.29	287.1	10.00	281.0	9.62	273.5	9.50	258.6	8.73
		35.6	307.2	10.74	296.6	10.23	287.1	9.95	281.0	9.58	273.5	9.41	258.6	8.68
		55.8	307.2	10.38	296.6	9.99	287.1	9.77	281.0	9.41	273.5	9.04	258.6	8.49
		69.8	307.2	10.05	296.6	9.77	287.1	9.58	281.0	9.41	273.5	9.04	258.6	8.32
		83.7	307.2	9.74	296.6	9.56	287.1	9.40	281.0	9.41	273.5	9.04	258.6	8.16
	95	22.4	307.2	10.34	296.6	9.78	287.1	9.50	281.0	9.13	273.5	8.77	258.6	7.99
		35.6	307.2	10.20	296.6	9.69	287.1	9.41	281.0	9.04	273.5	8.68	258.6	7.95
		55.8	307.2	9.62	296.6	9.33	287.1	9.04	281.0	8.68	273.5	8.32	258.6	7.78
		69.8	307.2	9.50	296.6	9.26	287.1	9.04	281.0	8.68	273.5	8.32	258.6	7.60
		83.7	307.2	9.39	296.6	9.19	287.1	9.04	281.0	8.68	273.5	8.32	258.6	7.43
	104	22.4	307.2	10.03	296.6	9.33	287.1	8.96	281.0	8.58	273.5	8.23	258.6	7.45
		35.6	307.2	9.84	296.6	9.22	287.1	8.87	281.0	8.49	273.5	8.14	258.6	7.41
		55.8	307.2	9.07	296.6	8.79	287.1	8.49	281.0	8.14	273.5	7.78	258.6	7.24
		69.8	307.2	8.96	296.6	8.68	287.1	8.49	281.0	8.14	273.5	7.78	258.6	7.05
		83.7	307.2	8.86	296.6	8.58	287.1	8.49	281.0	8.14	273.5	7.78	258.6	6.87
	113	22.4	307.2	9.73	296.6	8.88	287.1	8.42	281.0	8.04	273.5	7.68	258.6	6.91
		35.6	307.2	9.48	296.6	8.75	287.1	8.32	281.0	7.95	273.5	7.60	258.6	6.87
		55.8	307.2	8.53	296.6	8.25	287.1	7.95	281.0	7.60	273.5	7.24	258.6	6.70
		69.8	307.2	8.42	296.6	8.10	287.1	7.95	281.0	7.60	273.5	7.24	258.6	6.51
		83.7	307.2	8.32	296.6	7.96	287.1	7.95	281.0	7.60	273.5	7.24	258.6	6.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
110	23	22.4	103.4	11.51	102.7	10.70	102.0	9.96	101.0	9.54	101.2	9.26	99.0	8.29
		35.6	106.9	11.71	106.2	10.91	105.6	10.18	104.4	9.75	104.7	9.47	102.4	8.47
		55.8	120.9	12.50	120.3	11.73	119.6	11.04	118.2	10.57	118.2	10.27	116.0	9.20
		69.8	133.6	13.30	132.7	12.53	132.0	11.90	130.7	11.41	130.7	11.07	127.9	9.91
		83.7	145.6	14.05	144.4	13.28	143.7	12.71	142.5	12.20	142.5	11.82	139.1	10.58
	32	22.4	184.7	15.75	180.7	15.08	176.9	14.59	173.5	13.97	171.9	13.58	165.4	12.14
		35.6	185.8	15.79	181.7	15.12	177.9	14.63	174.5	14.01	172.9	13.62	166.4	12.18
		55.8	190.1	15.94	186.0	15.26	182.0	14.80	178.6	14.18	177.0	13.77	170.2	12.33
		69.8	193.0	15.94	189.0	15.26	184.9	14.80	181.3	14.18	179.7	13.77	172.7	12.33
		83.7	195.7	15.94	191.8	15.26	187.6	14.80	183.8	14.18	182.2	13.77	175.1	12.33
	41	22.4	269.4	16.93	263.1	16.29	257.0	15.88	251.1	15.20	241.4	14.78	229.7	13.23
		35.6	270.4	17.00	263.6	16.37	257.0	15.96	251.1	15.28	241.4	14.85	229.7	13.30
		55.8	274.0	17.30	265.6	16.67	257.2	16.28	251.1	15.60	241.4	15.15	229.7	13.56
		69.8	275.6	17.42	266.3	16.78	257.2	16.39	251.1	15.71	241.4	15.26	229.7	13.66
		83.7	277.1	17.53	267.0	16.88	257.2	16.49	251.1	15.81	241.4	15.36	229.7	13.75
	50	22.4	270.5	15.18	263.8	14.66	256.6	14.34	250.7	13.86	241.0	13.40	229.4	12.05
		35.6	271.5	15.21	264.5	14.70	257.0	14.39	251.1	13.88	241.4	13.39	229.7	12.07
		55.8	275.6	15.32	267.2	14.87	258.6	14.55	252.7	13.96	243.0	13.36	230.8	12.12
		69.8	277.1	15.32	268.3	14.87	259.5	14.52	253.2	13.92	243.5	13.41	231.5	12.25
		83.7	278.5	15.32	269.3	14.87	260.3	14.49	253.7	13.88	244.0	13.46	232.2	12.37
	59	22.4	271.2	13.43	264.2	13.06	256.5	12.83	250.4	12.52	240.6	12.02	229.1	10.90
		35.6	272.4	13.41	265.2	13.06	257.2	12.83	251.1	12.48	241.4	11.94	229.7	10.85
		55.8	276.9	13.34	269.0	13.06	260.2	12.83	254.1	12.29	244.6	11.58	231.9	10.66
		69.8	278.5	13.24	270.4	12.95	261.5	12.66	255.0	12.12	245.3	11.58	233.3	10.85
		83.7	280.0	13.15	271.7	12.85	262.7	12.50	255.8	11.96	246.0	11.58	234.6	11.03
	68	22.4	276.3	11.59	268.8	11.32	260.1	11.04	253.1	10.85	243.8	10.54	231.0	9.86
		35.6	277.8	11.62	269.7	11.32	260.9	11.04	254.1	10.85	244.6	10.49	231.9	9.84
		55.8	283.7	11.71	273.3	11.32	263.8	11.04	257.9	10.85	247.5	10.31	235.5	9.77
		69.8	285.3	11.71	275.6	11.32	265.4	11.04	258.6	10.66	248.9	10.31	236.2	9.77
		83.7	286.8	11.71	277.8	11.32	266.9	11.04	259.3	10.48	250.2	10.31	236.9	9.77
	77	22.4	284.9	10.55	276.5	10.16	265.4	10.00	259.5	9.62	250.5	9.27	237.1	8.49
		35.6	285.5	10.53	276.5	10.12	265.4	9.95	259.5	9.58	250.5	9.22	237.1	8.49
		55.8	287.8	10.46	276.5	9.95	265.4	9.77	259.5	9.41	250.5	9.04	237.1	8.49
		69.8	289.1	10.46	276.5	9.99	265.4	9.58	259.5	9.41	250.5	8.87	237.1	8.32
		83.7	290.3	10.46	276.5	10.03	265.4	9.40	259.5	9.41	250.5	8.71	237.1	8.16
	86	22.4	289.1	9.62	276.5	9.27	265.4	8.91	259.5	8.73	250.5	8.18	237.1	7.64
		35.6	289.1	9.58	276.5	9.22	265.4	8.87	259.5	8.68	250.5	8.14	237.1	7.60
		55.8	289.1	9.41	276.5	9.04	265.4	8.68	259.5	8.49	250.5	7.95	237.1	7.41
		69.8	289.1	9.33	276.5	8.87	265.4	8.49	259.5	8.32	250.5	7.95	237.1	7.41
		83.7	289.1	9.25	276.5	8.71	265.4	8.31	259.5	8.16	250.5	7.95	237.1	7.41
	95	22.4	289.1	9.13	276.5	8.54	265.4	8.18	259.5	7.83	250.5	7.45	237.1	6.91
		35.6	289.1	9.04	276.5	8.49	265.4	8.14	259.5	7.78	250.5	7.41	237.1	6.87
		55.8	289.1	8.68	276.5	8.32	265.4	7.95	259.5	7.60	250.5	7.24	237.1	6.70
		69.8	289.1	8.46	276.5	8.14	265.4	7.78	259.5	7.60	250.5	7.24	237.1	6.70
		83.7	289.1	8.25	276.5	7.97	265.4	7.62	259.5	7.60	250.5	7.24	237.1	6.70
	104	22.4	289.1	8.58	276.5	8.23	265.4	7.68	259.5	7.29	250.5	6.91	237.1	6.37
		35.6	289.1	8.49	276.5	8.14	265.4	7.60	259.5	7.24	250.5	6.87	237.1	6.32
		55.8	289.1	8.14	276.5	7.78	265.4	7.24	259.5	7.05	250.5	6.70	237.1	6.15
		69.8	289.1	8.03	276.5	7.60	265.4	7.24	259.5	6.87	250.5	6.51	237.1	5.97
		83.7	289.1	7.93	276.5	7.43	265.4	7.24	259.5	6.70	250.5	6.33	237.1	5.80
	113	22.4	289.1	8.04	276.5	7.92	265.4	7.19	259.5	6.74	250.5	6.37	237.1	5.82
		35.6	289.1	7.95	276.5	7.78	265.4	7.05	259.5	6.70	250.5	6.32	237.1	5.78
		55.8	289.1	7.60	276.5	7.24	265.4	6.51	259.5	6.51	250.5	6.15	237.1	5.61
		69.8	289.1	7.60	276.5	7.05	265.4	6.70	259.5	6.15	250.5	5.78	237.1	5.24
		83.7	289.1	7.60	276.5	6.87	265.4	6.88	259.5	5.81	250.5	5.43	237.1	4.89

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM216DAS5

216,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
100	23	22.4	97.7	11.51	97.0	10.85	96.6	9.96	95.8	9.54	94.8	9.11	93.0	8.29
		35.6	101.0	11.71	100.4	11.06	99.9	10.18	99.0	9.75	98.1	9.32	96.3	8.47
		55.8	114.4	12.50	113.7	11.88	113.0	11.04	111.9	10.57	111.0	10.12	109.2	9.20
		69.8	126.4	13.30	125.5	12.70	124.8	11.90	123.6	11.41	122.7	10.91	120.5	9.91
		83.7	137.7	14.05	136.6	13.47	135.9	12.71	134.6	12.20	133.7	11.65	131.2	10.58
	32	22.4	174.6	15.75	170.8	15.28	167.2	14.59	164.3	13.97	161.3	13.38	155.7	12.14
		35.6	175.6	15.79	171.8	15.32	168.2	14.63	165.2	14.01	162.3	13.41	156.7	12.18
		55.8	179.7	15.94	175.9	15.47	172.0	14.80	169.1	14.18	166.1	13.56	160.3	12.33
		69.8	182.4	15.94	178.6	15.47	174.7	14.80	171.6	14.18	168.6	13.56	162.8	12.33
		83.7	184.9	15.94	181.1	15.47	177.2	14.80	174.0	14.18	171.0	13.56	165.2	12.33
	41	22.4	257.7	16.93	249.1	16.52	242.7	15.88	237.8	15.20	226.5	14.55	216.1	13.23
		35.6	258.6	17.00	249.6	16.59	242.8	15.96	237.8	15.28	226.5	14.63	216.1	13.30
		55.8	262.2	17.30	251.4	16.89	243.0	16.28	237.8	15.60	226.5	14.93	216.1	13.56
		69.8	263.8	17.42	252.0	17.00	243.0	16.39	237.8	15.71	226.5	15.02	216.1	13.66
		83.7	265.3	17.53	252.6	17.10	243.0	16.49	237.8	15.81	226.5	15.10	216.1	13.75
	50	22.4	259.1	15.14	249.9	14.81	243.0	14.34	237.8	13.86	226.5	13.17	216.1	12.05
		35.6	259.7	15.21	250.2	14.85	243.0	14.39	237.8	13.88	226.5	13.19	216.1	12.07
		55.8	262.2	15.49	251.6	15.04	243.0	14.55	237.8	13.96	226.5	13.24	216.1	12.12
		69.8	264.0	15.43	252.7	15.04	243.0	14.52	237.8	13.92	226.5	13.21	216.1	12.07
		83.7	265.7	15.37	253.7	15.04	243.0	14.49	237.8	13.88	226.5	13.18	216.1	12.02
	59	22.4	260.5	13.35	251.0	13.12	243.0	12.83	237.8	12.52	226.5	11.79	216.1	10.90
		35.6	260.9	13.41	251.1	13.13	243.0	12.83	237.8	12.48	226.5	11.75	216.1	10.85
		55.8	262.2	13.67	251.8	13.17	243.0	12.83	237.8	12.29	226.5	11.58	216.1	10.66
		69.8	264.5	13.45	253.2	13.06	243.0	12.66	237.8	12.12	226.5	11.39	216.1	10.49
		83.7	266.7	13.24	254.5	12.96	243.0	12.50	237.8	11.96	226.5	11.21	216.1	10.33
	68	22.4	261.9	11.42	252.3	11.12	243.0	10.85	237.8	10.71	226.5	10.00	216.1	9.50
		35.6	262.9	11.47	252.5	11.13	243.0	10.85	237.8	10.66	226.5	9.95	216.1	9.41
		55.8	266.7	11.67	253.2	11.17	243.0	10.85	237.8	10.49	226.5	9.77	216.1	9.04
		69.8	268.3	11.47	255.4	11.07	243.0	10.66	237.8	10.31	226.5	9.58	216.1	8.87
		83.7	269.8	11.28	257.5	10.98	243.0	10.48	237.8	10.14	226.5	9.40	216.1	8.71
	77	22.4	265.1	9.98	256.3	9.67	243.0	9.27	237.8	8.91	226.5	8.37	216.1	7.60
		35.6	266.1	9.99	256.3	9.62	243.0	9.22	237.8	8.87	226.5	8.32	216.1	7.60
		55.8	269.9	10.03	256.3	9.41	243.0	9.04	237.8	8.68	226.5	8.14	216.1	7.60
		69.8	271.3	9.80	256.3	9.33	243.0	8.87	237.8	8.49	226.5	8.14	216.1	7.41
		83.7	272.6	9.58	256.3	9.25	243.0	8.71	237.8	8.31	226.5	8.14	216.1	7.23
	86	22.4	271.3	9.08	256.3	8.37	243.0	7.80	237.8	7.64	226.5	7.05	216.1	6.74
		35.6	271.3	9.04	256.3	8.32	243.0	7.78	237.8	7.60	226.5	7.05	216.1	6.70
		55.8	271.3	8.87	256.3	8.14	243.0	7.71	237.8	7.41	226.5	7.05	216.1	6.51
		69.8	271.3	8.68	256.3	8.14	243.0	7.60	237.8	7.41	226.5	6.87	216.1	6.51
		83.7	271.3	8.50	256.3	8.14	243.0	7.50	237.8	7.41	226.5	6.70	216.1	6.51
	95	22.4	271.3	8.42	256.3	7.68	243.0	6.88	237.8	6.74	226.5	6.37	216.1	5.82
		35.6	271.3	8.32	256.3	7.60	243.0	6.87	237.8	6.70	226.5	6.32	216.1	5.78
		55.8	271.3	7.95	256.3	7.24	243.0	6.79	237.8	6.51	226.5	6.15	216.1	5.61
		69.8	271.3	7.95	256.3	7.24	243.0	6.70	237.8	6.51	226.5	6.15	216.1	5.61
		83.7	271.3	7.95	256.3	7.24	243.0	6.62	237.8	6.51	226.5	6.15	216.1	5.61
	104	22.4	271.3	7.88	256.3	7.14	243.0	6.17	237.8	6.01	226.5	5.66	216.1	5.28
		35.6	271.3	7.78	256.3	7.05	243.0	6.15	237.8	5.97	226.5	5.61	216.1	5.24
		55.8	271.3	7.41	256.3	6.70	243.0	6.08	237.8	5.78	226.5	5.43	216.1	5.07
		69.8	271.3	7.24	256.3	6.70	243.0	5.97	237.8	5.78	226.5	5.43	216.1	5.07
		83.7	271.3	7.08	256.3	6.70	243.0	5.87	237.8	5.78	226.5	5.43	216.1	5.07
	113	22.4	271.3	7.33	256.3	6.60	243.0	5.44	237.8	5.28	226.5	4.93	216.1	4.74
		35.6	271.3	7.24	256.3	6.51	243.0	5.43	237.8	5.24	226.5	4.88	216.1	4.70
		55.8	271.3	6.87	256.3	6.15	243.0	5.35	237.8	5.07	226.5	4.70	216.1	4.53
		69.8	271.3	6.51	256.3	6.15	243.0	5.24	237.8	5.07	226.5	4.70	216.1	4.53
		83.7	271.3	6.17	256.3	6.15	243.0	5.14	237.8	5.07	226.5	4.70	216.1	4.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
90	23	22.4	92.2	10.68	89.4	9.73	86.8	8.55	86.1	8.15	85.4	7.85	83.9	7.05
		35.6	95.4	10.87	92.5	9.91	89.7	8.74	89.1	8.32	88.4	8.03	86.8	7.20
		55.8	108.1	11.60	104.7	10.64	101.5	9.48	100.8	9.04	100.1	8.72	98.1	7.82
		69.8	119.4	12.33	115.5	11.39	112.1	10.23	111.2	9.75	110.5	9.39	108.5	8.44
		83.7	130.1	13.02	125.7	12.10	122.1	10.94	121.0	10.42	120.3	10.02	118.3	9.02
	32	22.4	164.9	14.55	157.3	13.66	150.1	12.54	147.9	11.96	145.4	11.51	140.0	10.34
		35.6	165.9	14.59	158.2	13.69	151.0	12.57	148.7	11.99	146.3	11.54	140.8	10.36
		55.8	169.8	14.74	161.8	13.84	154.6	12.70	152.1	12.12	149.6	11.67	144.2	10.48
		69.8	172.2	14.74	164.3	13.84	157.1	12.70	154.4	12.12	152.1	11.67	146.5	10.48
		83.7	174.5	14.74	166.7	13.84	159.5	12.70	156.6	12.12	154.5	11.67	148.7	10.48
	41	22.4	233.1	15.62	225.5	14.74	218.4	13.65	213.8	13.01	204.3	12.52	194.6	11.24
		35.6	233.3	15.70	225.4	14.82	218.4	13.71	213.8	13.08	204.3	12.59	194.6	11.30
		55.8	234.2	15.98	224.7	15.10	218.4	13.97	213.8	13.34	204.3	12.85	194.6	11.52
		69.8	235.5	16.07	225.4	15.19	218.4	14.09	213.8	13.43	204.3	12.95	194.6	11.62
		83.7	236.7	16.15	226.1	15.27	218.4	14.20	213.8	13.51	204.3	13.04	194.6	11.71
	50	22.4	234.3	13.80	226.3	13.12	218.4	12.35	213.8	11.85	204.3	11.36	194.6	10.24
		35.6	234.2	13.81	226.0	13.13	218.4	12.37	213.8	11.86	204.3	11.36	194.6	10.25
		55.8	233.7	13.84	224.9	13.19	218.4	12.42	213.8	11.92	204.3	11.32	194.6	10.29
		69.8	235.3	13.81	225.6	13.15	218.4	12.38	213.8	11.88	204.3	11.36	194.6	10.33
		83.7	236.8	13.78	226.3	13.11	218.4	12.34	213.8	11.84	204.3	11.40	194.6	10.37
	59	22.4	235.5	11.94	227.1	11.51	218.4	11.08	213.8	10.71	204.3	10.21	194.6	9.27
		35.6	235.1	11.90	226.7	11.47	218.4	11.04	213.8	10.66	204.3	10.12	194.6	9.22
		55.8	233.5	11.71	225.1	11.28	218.4	10.85	213.8	10.49	204.3	9.77	194.6	9.04
		69.8	235.1	11.54	225.8	11.11	218.4	10.66	213.8	10.31	204.3	9.77	194.6	9.04
		83.7	236.6	11.38	226.5	10.95	218.4	10.48	213.8	10.14	204.3	9.77	194.6	9.04
	68	22.4	236.9	10.08	228.1	9.79	218.4	9.46	213.8	9.08	204.3	8.77	194.6	8.23
		35.6	236.7	10.08	227.6	9.77	218.4	9.41	213.8	9.04	204.3	8.68	194.6	8.14
		55.8	235.8	10.08	225.8	9.65	218.4	9.22	213.8	8.87	204.3	8.32	194.6	7.78
		69.8	236.4	9.91	226.5	9.58	218.4	9.22	213.8	8.87	204.3	8.32	194.6	7.78
		83.7	237.0	9.75	227.2	9.51	218.4	9.22	213.8	8.87	204.3	8.32	194.6	7.78
	77	22.4	240.8	8.81	231.0	8.34	218.4	7.99	213.8	7.60	204.3	7.29	194.6	6.74
		35.6	241.4	8.79	231.0	8.32	218.4	7.95	213.8	7.60	204.3	7.24	194.6	6.70
		55.8	243.7	8.72	231.0	8.25	218.4	7.78	213.8	7.60	204.3	7.05	194.6	6.51
		69.8	244.6	8.49	231.0	8.06	218.4	7.78	213.8	7.41	204.3	7.05	194.6	6.51
		83.7	245.4	8.27	231.0	7.88	218.4	7.78	213.8	7.23	204.3	7.05	194.6	6.51
	86	22.4	244.6	7.99	231.0	7.45	218.4	6.91	213.8	6.74	204.3	6.37	194.6	5.78
		35.6	244.6	7.95	231.0	7.41	218.4	6.87	213.8	6.70	204.3	6.32	194.6	5.78
		55.8	244.6	7.78	231.0	7.24	218.4	6.70	213.8	6.51	204.3	6.15	194.6	5.78
		69.8	244.6	7.60	231.0	7.05	218.4	6.70	213.8	6.51	204.3	6.15	194.6	5.61
		83.7	244.6	7.43	231.0	6.87	218.4	6.70	213.8	6.51	204.3	6.15	194.6	5.45
	95	22.4	244.6	7.29	231.0	6.74	218.4	6.20	213.8	6.01	204.3	5.66	194.6	5.28
		35.6	244.6	7.24	231.0	6.70	218.4	6.15	213.8	5.97	204.3	5.61	194.6	5.24
		55.8	244.6	7.05	231.0	6.51	218.4	5.97	213.8	5.78	204.3	5.43	194.6	5.07
		69.8	244.6	6.87	231.0	6.32	218.4	5.78	213.8	5.61	204.3	5.43	194.6	5.07
		83.7	244.6	6.70	231.0	6.14	218.4	5.60	213.8	5.45	204.3	5.43	194.6	5.07
	104	22.4	244.6	6.79	231.0	6.20	218.4	5.47	213.8	5.28	204.3	5.12	194.6	4.74
		35.6	244.6	6.70	231.0	6.15	218.4	5.43	213.8	5.24	204.3	5.07	194.6	4.70
		55.8	244.6	6.32	231.0	5.97	218.4	5.24	213.8	5.07	204.3	4.88	194.6	4.53
		69.8	244.6	6.32	231.0	5.97	218.4	5.24	213.8	5.07	204.3	4.88	194.6	4.53
		83.7	244.6	6.32	231.0	5.97	218.4	5.24	213.8	5.07	204.3	4.88	194.6	4.53
	113	22.4	244.6	6.29	231.0	5.66	218.4	4.74	213.8	4.57	204.3	4.57	194.6	4.20
		35.6	244.6	6.15	231.0	5.61	218.4	4.70	213.8	4.53	204.3	4.53	194.6	4.15
		55.8	244.6	5.61	231.0	5.43	218.4	4.53	213.8	4.34	204.3	4.34	194.6	3.98
		69.8	244.6	5.78	231.0	5.61	218.4	4.70	213.8	4.53	204.3	4.34	194.6	3.98
		83.7	244.6	5.94	231.0	5.78	218.4	4.86	213.8	4.71	204.3	4.34	194.6	3.98

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM216DAS5

216,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
80	23	22.4	87.2	7.61	81.7	7.32	77.4	7.01	76.5	6.78	76.0	6.46	74.5	5.95
		35.6	90.2	7.78	84.5	7.48	80.0	7.16	79.1	6.92	78.7	6.60	77.1	6.08
		55.8	101.9	8.46	95.6	8.12	90.4	7.76	89.5	7.50	89.1	7.16	87.3	6.58
		69.8	112.8	9.11	105.6	8.75	99.9	8.38	98.8	8.10	98.3	7.73	96.3	7.11
		83.7	123.1	9.72	115.0	9.34	108.9	8.96	107.6	8.67	107.0	8.27	104.8	7.61
	32	22.4	155.7	11.17	143.6	10.72	133.7	10.28	131.2	9.92	129.4	9.46	124.5	8.71
		35.6	156.7	11.21	144.4	10.76	134.5	10.31	132.0	9.95	130.2	9.48	125.2	8.74
		55.8	160.5	11.34	147.8	10.89	137.7	10.42	135.2	10.06	133.4	9.60	128.2	8.83
		69.8	162.8	11.34	150.1	10.89	139.9	10.42	137.2	10.06	135.4	9.60	130.2	8.83
		83.7	165.0	11.34	152.3	10.89	142.0	10.42	139.1	10.06	137.3	9.60	132.1	8.83
	41	22.4	215.4	12.15	203.3	11.69	194.3	11.16	190.1	10.79	182.0	10.29	172.9	9.47
		35.6	215.9	12.22	203.7	11.75	194.4	11.22	190.1	10.85	182.0	10.34	172.9	9.52
		55.8	217.7	12.48	205.3	11.97	194.6	11.47	190.1	11.07	182.0	10.55	172.9	9.73
		69.8	217.7	12.55	205.0	12.07	194.6	11.54	190.1	11.15	182.0	10.63	172.9	9.78
		83.7	217.7	12.62	204.7	12.16	194.6	11.61	190.1	11.23	182.0	10.71	172.9	9.83
	50	22.4	216.6	11.18	204.1	10.68	194.3	10.13	190.1	9.85	182.0	9.33	172.9	8.64
		35.6	216.8	11.17	204.3	10.66	194.4	10.14	190.1	9.86	182.0	9.33	172.9	8.64
		55.8	217.7	11.11	205.3	10.61	194.6	10.16	190.1	9.88	182.0	9.35	172.9	8.66
		69.8	217.7	11.07	205.0	10.64	194.6	10.20	190.1	9.82	182.0	9.30	172.9	8.61
		83.7	217.7	11.03	204.7	10.67	194.6	10.24	190.1	9.76	182.0	9.25	172.9	8.56
	59	22.4	217.7	10.21	205.0	9.67	194.6	9.08	190.1	8.91	182.0	8.37	172.9	7.83
		35.6	217.7	10.12	205.0	9.58	194.6	9.04	190.1	8.87	182.0	8.32	172.9	7.78
		55.8	217.7	9.77	205.0	9.22	194.6	8.87	190.1	8.68	182.0	8.14	172.9	7.60
		69.8	217.7	9.58	205.0	9.22	194.6	8.87	190.1	8.49	182.0	7.95	172.9	7.41
		83.7	217.7	9.40	205.0	9.22	194.6	8.87	190.1	8.31	182.0	7.77	172.9	7.23
	68	22.4	217.7	8.54	205.0	8.18	194.6	7.78	190.1	7.64	182.0	7.29	172.9	6.74
		35.6	217.7	8.49	205.0	8.14	194.6	7.78	190.1	7.60	182.0	7.24	172.9	6.70
		55.8	217.7	8.32	205.0	7.95	194.6	7.78	190.1	7.41	182.0	7.05	172.9	6.51
		69.8	217.7	8.14	205.0	7.78	194.6	7.60	190.1	7.41	182.0	6.87	172.9	6.51
		83.7	217.7	7.97	205.0	7.62	194.6	7.43	190.1	7.41	182.0	6.70	172.9	6.51
	77	22.4	217.7	7.64	205.0	7.10	194.6	6.70	190.1	6.56	182.0	6.20	172.9	5.82
		35.6	217.7	7.60	205.0	7.05	194.6	6.70	190.1	6.51	182.0	6.15	172.9	5.78
		55.8	217.7	7.41	205.0	6.87	194.6	6.70	190.1	6.32	182.0	5.97	172.9	5.61
		69.8	217.7	7.24	205.0	6.87	194.6	6.51	190.1	6.32	182.0	5.97	172.9	5.61
		83.7	217.7	7.08	205.0	6.87	194.6	6.33	190.1	6.32	182.0	5.97	172.9	5.61
	86	22.4	217.7	6.74	205.0	6.37	194.6	6.01	190.1	5.82	182.0	5.47	172.9	5.12
		35.6	217.7	6.70	205.0	6.32	194.6	5.97	190.1	5.78	182.0	5.43	172.9	5.07
		55.8	217.7	6.51	205.0	6.15	194.6	5.78	190.1	5.61	182.0	5.24	172.9	4.88
		69.8	217.7	6.51	205.0	6.15	194.6	5.78	190.1	5.61	182.0	5.24	172.9	4.88
		83.7	217.7	6.51	205.0	6.15	194.6	5.78	190.1	5.61	182.0	5.24	172.9	4.88
	95	22.4	217.7	6.20	205.0	5.82	194.6	5.28	190.1	5.07	182.0	4.93	172.9	4.53
		35.6	217.7	6.15	205.0	5.78	194.6	5.24	190.1	5.07	182.0	4.88	172.9	4.53
		55.8	217.7	5.97	205.0	5.61	194.6	5.07	190.1	5.07	182.0	4.70	172.9	4.53
		69.8	217.7	5.97	205.0	5.43	194.6	5.07	190.1	4.88	182.0	4.70	172.9	4.34
		83.7	217.7	5.97	205.0	5.26	194.6	5.07	190.1	4.70	182.0	4.70	172.9	4.16
	104	22.4	217.7	5.87	205.0	5.28	194.6	4.70	190.1	4.74	182.0	4.34	172.9	4.20
		35.6	217.7	5.78	205.0	5.24	194.6	4.70	190.1	4.70	182.0	4.34	172.9	4.15
		55.8	217.7	5.43	205.0	5.07	194.6	4.70	190.1	4.53	182.0	4.34	172.9	3.98
		69.8	217.7	5.43	205.0	5.07	194.6	4.53	190.1	4.53	182.0	4.34	172.9	3.98
		83.7	217.7	5.43	205.0	5.07	194.6	4.37	190.1	4.53	182.0	4.34	172.9	3.98
	113	22.4	217.7	5.56	205.0	4.74	194.6	4.11	190.1	4.43	182.0	3.75	172.9	3.89
		35.6	217.7	5.43	205.0	4.70	194.6	4.15	190.1	4.34	182.0	3.80	172.9	3.80
		55.8	217.7	4.88	205.0	4.53	194.6	4.34	190.1	3.98	182.0	3.98	172.9	3.44
		69.8	217.7	4.88	205.0	4.70	194.6	3.98	190.1	4.15	182.0	3.98	172.9	3.61
		83.7	217.7	4.88	205.0	4.86	194.6	3.64	190.1	4.31	182.0	3.98	172.9	3.77

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
70	23	22.4	76.0	6.54	71.5	6.22	67.6	6.02	66.9	5.68	66.4	5.48	65.4	4.98
		35.6	78.7	6.68	73.9	6.36	69.8	6.15	69.2	5.80	68.7	5.59	67.6	5.09
		55.8	89.1	7.24	83.6	6.90	78.9	6.68	78.2	6.29	77.8	6.06	76.4	5.52
		69.8	98.6	7.82	92.5	7.45	87.3	7.20	86.6	6.77	85.9	6.55	84.3	5.95
		83.7	107.6	8.37	100.9	7.97	95.2	7.69	94.5	7.22	93.5	7.01	91.7	6.36
	32	22.4	136.2	9.57	125.8	9.12	116.9	8.82	114.8	8.30	113.0	8.02	109.0	7.30
		35.6	137.0	9.60	126.6	9.15	117.5	8.85	115.5	8.32	113.7	8.04	109.6	7.31
		55.8	140.1	9.71	129.5	9.24	120.3	8.96	118.2	8.42	116.4	8.14	112.1	7.39
		69.8	142.2	9.71	131.6	9.24	122.1	8.96	120.0	8.42	118.2	8.14	113.9	7.39
		83.7	144.2	9.71	133.6	9.24	123.8	8.96	121.7	8.42	119.9	8.14	115.6	7.39
	41	22.4	188.1	10.42	178.2	9.92	169.7	9.60	166.1	9.05	158.7	8.73	151.2	7.93
		35.6	188.5	10.48	178.6	9.97	169.8	9.65	166.1	9.09	158.7	8.77	151.2	7.97
		55.8	190.1	10.68	179.9	10.18	170.0	9.86	166.1	9.26	158.7	8.96	151.2	8.14
		69.8	190.1	10.76	179.7	10.25	170.0	9.93	166.1	9.33	158.7	9.02	151.2	8.19
		83.7	190.1	10.84	179.5	10.32	170.0	10.00	166.1	9.40	158.7	9.08	151.2	8.24
	50	22.4	189.0	9.60	178.9	9.07	170.0	8.74	166.1	8.25	158.7	7.91	151.2	7.24
		35.6	189.2	9.58	179.0	9.05	170.0	8.72	166.1	8.25	158.7	7.91	151.2	7.24
		55.8	190.1	9.50	179.7	8.98	170.0	8.64	166.1	8.25	158.7	7.91	151.2	7.24
		69.8	190.1	9.54	179.7	9.02	170.0	8.68	166.1	8.29	158.7	7.86	151.2	7.26
		83.7	190.1	9.58	179.7	9.06	170.0	8.72	166.1	8.33	158.7	7.81	151.2	7.28
	59	22.4	190.1	8.77	179.7	8.23	170.0	7.88	166.1	7.45	158.7	7.10	151.2	6.56
		35.6	190.1	8.68	179.7	8.14	170.0	7.78	166.1	7.41	158.7	7.05	151.2	6.51
		55.8	190.1	8.32	179.7	7.78	170.0	7.41	166.1	7.24	158.7	6.87	151.2	6.32
		69.8	190.1	8.32	179.7	7.78	170.0	7.41	166.1	7.24	158.7	6.70	151.2	6.32
		83.7	190.1	8.32	179.7	7.78	170.0	7.41	166.1	7.24	158.7	6.54	151.2	6.32
	68	22.4	190.1	7.29	179.7	6.91	170.0	6.74	166.1	6.56	158.7	6.20	151.2	5.82
		35.6	190.1	7.24	179.7	6.87	170.0	6.70	166.1	6.51	158.7	6.15	151.2	5.78
		55.8	190.1	7.05	179.7	6.70	170.0	6.51	166.1	6.32	158.7	5.97	151.2	5.61
		69.8	190.1	7.05	179.7	6.70	170.0	6.51	166.1	6.15	158.7	5.97	151.2	5.43
		83.7	190.1	7.05	179.7	6.70	170.0	6.51	166.1	5.99	158.7	5.97	151.2	5.26
	77	22.4	190.1	6.56	179.7	6.20	170.0	5.82	166.1	5.66	158.7	5.24	151.2	4.88
		35.6	190.1	6.51	179.7	6.15	170.0	5.78	166.1	5.61	158.7	5.24	151.2	4.88
		55.8	190.1	6.32	179.7	5.97	170.0	5.61	166.1	5.43	158.7	5.24	151.2	4.88
		69.8	190.1	6.15	179.7	5.78	170.0	5.61	166.1	5.43	158.7	5.07	151.2	4.88
		83.7	190.1	5.99	179.7	5.60	170.0	5.61	166.1	5.43	158.7	4.91	151.2	4.88
	86	22.4	190.1	5.82	179.7	5.47	170.0	5.12	166.1	4.88	158.7	4.74	151.2	4.34
		35.6	190.1	5.78	179.7	5.43	170.0	5.07	166.1	4.88	158.7	4.70	151.2	4.34
		55.8	190.1	5.61	179.7	5.24	170.0	4.88	166.1	4.88	158.7	4.53	151.2	4.34
		69.8	190.1	5.61	179.7	5.24	170.0	4.88	166.1	4.70	158.7	4.53	151.2	4.34
		83.7	190.1	5.61	179.7	5.24	170.0	4.88	166.1	4.53	158.7	4.53	151.2	4.34
	95	22.4	190.1	5.28	179.7	4.93	170.0	4.53	166.1	4.57	158.7	4.15	151.2	4.03
		35.6	190.1	5.24	179.7	4.88	170.0	4.53	166.1	4.53	158.7	4.15	151.2	3.98
		55.8	190.1	5.07	179.7	4.70	170.0	4.53	166.1	4.34	158.7	4.15	151.2	3.80
		69.8	190.1	5.07	179.7	4.70	170.0	4.34	166.1	4.34	158.7	4.15	151.2	3.80
		83.7	190.1	5.07	179.7	4.70	170.0	4.16	166.1	4.34	158.7	4.15	151.2	3.80
	104	22.4	190.1	4.93	179.7	4.57	170.0	4.20	166.1	3.98	158.7	3.80	151.2	3.65
		35.6	190.1	4.88	179.7	4.53	170.0	4.15	166.1	3.98	158.7	3.80	151.2	3.61
		55.8	190.1	4.70	179.7	4.34	170.0	3.98	166.1	3.98	158.7	3.80	151.2	3.44
		69.8	190.1	4.70	179.7	4.34	170.0	3.98	166.1	3.80	158.7	3.61	151.2	3.44
		83.7	190.1	4.70	179.7	4.34	170.0	3.98	166.1	3.63	158.7	3.43	151.2	3.44
	113	22.4	190.1	4.57	179.7	4.20	170.0	3.89	166.1	3.40	158.7	3.44	151.2	3.30
		35.6	190.1	4.53	179.7	4.15	170.0	3.80	166.1	3.44	158.7	3.44	151.2	3.26
		55.8	190.1	4.34	179.7	3.98	170.0	3.44	166.1	3.61	158.7	3.44	151.2	3.07
		69.8	190.1	4.34	179.7	3.98	170.0	3.61	166.1	3.26	158.7	3.07	151.2	3.07
		83.7	190.1	4.34	179.7	3.98	170.0	3.77	166.1	2.93	158.7	2.72	151.2	3.07

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM216DAS5

216,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
60	23	22.4	65.3	5.31	61.2	5.11	57.9	4.90	57.2	4.56	57.0	4.48	55.9	4.01
		35.6	67.6	5.43	63.3	5.22	59.9	5.01	59.2	4.66	59.0	4.58	57.9	4.10
		55.8	76.6	5.89	71.7	5.67	67.8	5.44	67.1	5.05	66.9	4.98	65.6	4.45
		69.8	84.5	6.34	79.1	6.12	75.0	5.87	74.1	5.46	73.9	5.37	72.3	4.79
		83.7	91.9	6.76	86.1	6.54	81.8	6.28	80.7	5.85	80.5	5.74	78.6	5.11
	32	22.4	116.9	7.78	107.6	7.50	100.4	7.18	98.4	6.68	97.1	6.58	93.5	5.88
		35.6	117.5	7.80	108.3	7.52	101.0	7.20	99.0	6.70	97.7	6.60	94.0	5.89
		55.8	120.3	7.89	110.8	7.60	103.5	7.30	101.3	6.77	99.9	6.68	96.1	5.95
		69.8	122.1	7.89	112.6	7.60	105.1	7.30	102.9	6.77	101.5	6.68	97.7	5.95
		83.7	123.8	7.89	114.3	7.60	106.6	7.30	104.4	6.77	103.0	6.68	99.2	5.95
	41	22.4	161.5	8.47	152.3	8.15	146.0	7.81	142.4	7.28	136.3	7.16	129.8	6.38
		35.6	161.8	8.51	152.6	8.19	146.0	7.86	142.4	7.31	136.3	7.20	129.8	6.42
		55.8	163.2	8.68	153.7	8.36	146.0	8.03	142.4	7.46	136.3	7.35	129.8	6.55
		69.8	163.2	8.75	153.5	8.42	146.0	8.08	142.4	7.52	136.3	7.39	129.8	6.60
		83.7	163.2	8.82	153.3	8.48	146.0	8.13	142.4	7.58	136.3	7.43	129.8	6.65
	50	22.4	162.4	7.78	152.9	7.45	146.0	7.09	142.4	6.62	136.3	6.50	129.8	5.82
		35.6	162.5	7.78	153.0	7.45	146.0	7.09	142.4	6.64	136.3	6.49	129.8	5.84
		55.8	163.2	7.78	153.7	7.45	146.0	7.09	142.4	6.72	136.3	6.47	129.8	5.89
		69.8	163.2	7.80	153.5	7.37	146.0	7.02	142.4	6.64	136.3	6.42	129.8	5.84
		83.7	163.2	7.82	153.3	7.29	146.0	6.95	142.4	6.56	136.3	6.37	129.8	5.79
	59	22.4	163.2	7.10	153.5	6.74	146.0	6.37	142.4	5.97	136.3	5.82	129.8	5.24
		35.6	163.2	7.05	153.5	6.70	146.0	6.32	142.4	5.97	136.3	5.78	129.8	5.24
		55.8	163.2	6.87	153.5	6.51	146.0	6.15	142.4	5.97	136.3	5.61	129.8	5.24
		69.8	163.2	6.87	153.5	6.32	146.0	5.97	142.4	5.78	136.3	5.43	129.8	5.07
		83.7	163.2	6.87	153.5	6.14	146.0	5.80	142.4	5.60	136.3	5.26	129.8	4.91
	68	22.4	163.2	6.20	153.5	5.82	146.0	5.47	142.4	5.28	136.3	5.12	129.8	4.74
		35.6	163.2	6.15	153.5	5.78	146.0	5.43	142.4	5.24	136.3	5.07	129.8	4.70
		55.8	163.2	5.97	153.5	5.61	146.0	5.24	142.4	5.07	136.3	4.88	129.8	4.53
		69.8	163.2	5.97	153.5	5.61	146.0	5.24	142.4	5.07	136.3	4.88	129.8	4.53
		83.7	163.2	5.97	153.5	5.61	146.0	5.24	142.4	5.07	136.3	4.88	129.8	4.53
	77	22.4	163.2	5.47	153.5	5.12	146.0	4.70	142.4	4.74	136.3	4.34	129.8	4.20
		35.6	163.2	5.43	153.5	5.07	146.0	4.70	142.4	4.70	136.3	4.34	129.8	4.15
		55.8	163.2	5.24	153.5	4.88	146.0	4.70	142.4	4.53	136.3	4.34	129.8	3.98
		69.8	163.2	5.24	153.5	4.88	146.0	4.53	142.4	4.53	136.3	4.34	129.8	3.98
		83.7	163.2	5.24	153.5	4.88	146.0	4.37	142.4	4.53	136.3	4.34	129.8	3.98
	86	22.4	163.2	4.93	153.5	4.57	146.0	4.39	142.4	4.20	136.3	4.03	129.8	3.84
		35.6	163.2	4.88	153.5	4.53	146.0	4.34	142.4	4.15	136.3	3.98	129.8	3.80
		55.8	163.2	4.70	153.5	4.34	146.0	4.15	142.4	3.98	136.3	3.80	129.8	3.61
		69.8	163.2	4.70	153.5	4.34	146.0	4.15	142.4	3.98	136.3	3.80	129.8	3.61
		83.7	163.2	4.70	153.5	4.34	146.0	4.15	142.4	3.98	136.3	3.80	129.8	3.61
	95	22.4	163.2	4.34	153.5	4.20	146.0	3.80	142.4	3.84	136.3	3.65	129.8	3.49
		35.6	163.2	4.34	153.5	4.15	146.0	3.80	142.4	3.80	136.3	3.61	129.8	3.44
		55.8	163.2	4.34	153.5	3.98	146.0	3.80	142.4	3.61	136.3	3.44	129.8	3.26
		69.8	163.2	4.34	153.5	3.98	146.0	3.61	142.4	3.61	136.3	3.44	129.8	3.26
		83.7	163.2	4.34	153.5	3.98	146.0	3.43	142.4	3.61	136.3	3.44	129.8	3.26
	104	22.4	163.2	3.98	153.5	3.84	146.0	3.44	142.4	3.49	136.3	3.30	129.8	3.07
		35.6	163.2	3.98	153.5	3.80	146.0	3.44	142.4	3.44	136.3	3.26	129.8	3.07
		55.8	163.2	3.98	153.5	3.61	146.0	3.44	142.4	3.26	136.3	3.07	129.8	3.07
		69.8	163.2	3.98	153.5	3.61	146.0	3.44	142.4	3.26	136.3	3.07	129.8	3.07
		83.7	163.2	3.98	153.5	3.61	146.0	3.44	142.4	3.26	136.3	3.07	129.8	3.07
	113	22.4	163.2	3.61	153.5	3.49	146.0	3.07	142.4	3.11	136.3	2.95	129.8	2.67
		35.6	163.2	3.61	153.5	3.44	146.0	3.07	142.4	3.07	136.3	2.90	129.8	2.71
		55.8	163.2	3.61	153.5	3.26	146.0	3.07	142.4	2.90	136.3	2.71	129.8	2.90
		69.8	163.2	3.61	153.5	3.26	146.0	3.26	142.4	2.90	136.3	2.71	129.8	2.90
		83.7	163.2	3.61	153.5	3.26	146.0	3.44	142.4	2.90	136.3	2.71	129.8	2.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
50	23	22.4	54.5	4.23	51.2	4.01	48.3	3.79	47.6	3.59	47.4	3.37	46.5	3.19
		35.6	56.3	4.32	52.9	4.10	50.0	3.87	49.3	3.67	49.1	3.44	48.1	3.26
		55.8	63.5	4.68	59.7	4.45	56.5	4.19	55.8	3.98	55.6	3.74	54.5	3.52
		69.8	70.3	5.05	66.0	4.79	62.4	4.53	61.7	4.30	61.3	4.02	60.4	3.80
		83.7	76.7	5.40	71.9	5.11	68.0	4.85	67.3	4.60	66.7	4.28	66.0	4.06
	32	22.4	97.1	6.20	89.9	5.88	83.6	5.54	81.8	5.26	80.6	4.94	77.8	4.66
		35.6	97.7	6.21	90.4	5.89	84.1	5.56	82.3	5.28	81.2	4.96	78.2	4.68
		55.8	99.9	6.27	92.5	5.95	86.1	5.63	84.3	5.35	83.2	5.01	80.0	4.73
		69.8	101.5	6.27	93.8	5.95	87.3	5.63	85.7	5.35	84.3	5.01	81.4	4.73
		83.7	103.0	6.27	95.0	5.95	88.4	5.63	87.0	5.35	85.3	5.01	82.7	4.73
	41	22.4	134.2	6.74	127.3	6.38	121.3	6.03	118.4	5.73	113.2	5.38	108.1	5.06
		35.6	134.5	6.77	127.5	6.42	121.4	6.06	118.4	5.76	113.2	5.41	108.1	5.09
		55.8	135.6	6.90	128.4	6.55	121.6	6.19	118.4	5.87	113.2	5.50	108.1	5.20
		69.8	135.6	6.96	128.2	6.60	121.6	6.23	118.4	5.91	113.2	5.56	108.1	5.24
		83.7	135.6	7.02	128.0	6.65	121.6	6.27	118.4	5.95	113.2	5.62	108.1	5.28
	50	22.4	135.1	6.20	127.5	5.84	121.3	5.49	118.4	5.25	113.2	4.85	108.1	4.63
		35.6	135.2	6.19	127.7	5.84	121.4	5.48	118.4	5.24	113.2	4.86	108.1	4.62
		55.8	135.6	6.15	128.4	5.82	121.6	5.44	118.4	5.20	113.2	4.92	108.1	4.58
		69.8	135.6	6.19	128.2	5.84	121.6	5.46	118.4	5.22	113.2	4.85	108.1	4.60
		83.7	135.6	6.23	128.0	5.86	121.6	5.48	118.4	5.24	113.2	4.78	108.1	4.62
	59	22.4	135.6	5.66	128.2	5.28	121.6	4.93	118.4	4.74	113.2	4.34	108.1	4.20
		35.6	135.6	5.61	128.2	5.24	121.6	4.88	118.4	4.70	113.2	4.34	108.1	4.15
		55.8	135.6	5.43	128.2	5.07	121.6	4.70	118.4	4.53	113.2	4.34	108.1	3.98
		69.8	135.6	5.43	128.2	5.07	121.6	4.70	118.4	4.53	113.2	4.15	108.1	3.98
		83.7	135.6	5.43	128.2	5.07	121.6	4.70	118.4	4.53	113.2	3.97	108.1	3.98
	68	22.4	135.6	4.93	128.2	4.57	121.6	4.39	118.4	4.20	113.2	4.03	108.1	3.61
		35.6	135.6	4.88	128.2	4.53	121.6	4.34	118.4	4.15	113.2	3.98	108.1	3.61
		55.8	135.6	4.70	128.2	4.34	121.6	4.15	118.4	3.98	113.2	3.80	108.1	3.61
		69.8	135.6	4.70	128.2	4.34	121.6	4.15	118.4	3.98	113.2	3.80	108.1	3.61
		83.7	135.6	4.70	128.2	4.34	121.6	4.15	118.4	3.98	113.2	3.80	108.1	3.61
	77	22.4	135.6	4.39	128.2	3.98	121.6	3.84	118.4	3.61	113.2	3.44	108.1	3.26
		35.6	135.6	4.34	128.2	3.98	121.6	3.80	118.4	3.61	113.2	3.44	108.1	3.26
		55.8	135.6	4.15	128.2	3.98	121.6	3.61	118.4	3.61	113.2	3.44	108.1	3.26
		69.8	135.6	4.15	128.2	3.98	121.6	3.61	118.4	3.61	113.2	3.44	108.1	3.26
		83.7	135.6	4.15	128.2	3.98	121.6	3.61	118.4	3.61	113.2	3.44	108.1	3.26
	86	22.4	135.6	4.03	128.2	3.65	121.6	3.49	118.4	3.26	113.2	3.30	108.1	3.11
		35.6	135.6	3.98	128.2	3.61	121.6	3.44	118.4	3.26	113.2	3.26	108.1	3.07
		55.8	135.6	3.80	128.2	3.44	121.6	3.26	118.4	3.26	113.2	3.07	108.1	2.90
		69.8	135.6	3.80	128.2	3.44	121.6	3.26	118.4	3.26	113.2	3.07	108.1	2.90
		83.7	135.6	3.80	128.2	3.44	121.6	3.26	118.4	3.26	113.2	3.07	108.1	2.90
	95	22.4	135.6	3.65	128.2	3.26	121.6	3.07	118.4	3.11	113.2	2.90	108.1	2.71
		35.6	135.6	3.61	128.2	3.26	121.6	3.07	118.4	3.07	113.2	2.90	108.1	2.71
		55.8	135.6	3.44	128.2	3.26	121.6	3.07	118.4	2.90	113.2	2.90	108.1	2.71
		69.8	135.6	3.44	128.2	3.26	121.6	3.07	118.4	2.90	113.2	2.90	108.1	2.71
		83.7	135.6	3.44	128.2	3.26	121.6	3.07	118.4	2.90	113.2	2.90	108.1	2.71
	104	22.4	135.6	3.30	128.2	3.11	121.6	2.95	118.4	2.71	113.2	2.76	108.1	2.53
		35.6	135.6	3.26	128.2	3.07	121.6	2.90	118.4	2.71	113.2	2.71	108.1	2.53
		55.8	135.6	3.07	128.2	2.90	121.6	2.71	118.4	2.71	113.2	2.53	108.1	2.53
		69.8	135.6	3.07	128.2	2.90	121.6	2.71	118.4	2.71	113.2	2.53	108.1	2.53
		83.7	135.6	3.07	128.2	2.90	121.6	2.71	118.4	2.71	113.2	2.53	108.1	2.53
	113	22.4	135.6	2.95	128.2	2.99	121.6	2.80	118.4	2.31	113.2	2.62	108.1	2.36
		35.6	135.6	2.90	128.2	2.90	121.6	2.71	118.4	2.36	113.2	2.53	108.1	2.36
		55.8	135.6	2.71	128.2	2.53	121.6	2.36	118.4	2.53	113.2	2.17	108.1	2.36
		69.8	135.6	2.71	128.2	2.53	121.6	2.36	118.4	2.53	113.2	2.17	108.1	2.36
		83.7	135.6	2.71	128.2	2.53	121.6	2.36	118.4	2.53	113.2	2.17	108.1	2.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA

ARWM240DAS5

240,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
130	23	24.4	127.3	13.08	126.3	12.31	125.6	11.46	123.9	11.12	125.3	10.83	121.9	9.71
		35.6	131.6	13.31	130.6	12.55	129.9	11.71	128.1	11.37	129.6	11.07	126.1	9.93
		60.8	148.9	14.21	147.6	13.50	146.9	12.70	144.9	12.34	146.6	11.99	142.9	10.77
		76.0	164.7	15.11	163.2	14.43	162.2	13.69	160.1	13.33	162.2	12.94	157.9	11.60
		91.2	172.6	15.57	171.0	14.89	169.8	14.19	167.8	13.83	170.0	13.42	165.5	12.03
	32	24.4	227.3	17.89	222.2	17.35	217.4	16.79	212.7	16.31	213.4	15.87	203.7	14.21
		35.6	228.7	17.93	223.5	17.40	218.7	16.84	213.9	16.36	214.7	15.91	204.9	14.25
		60.8	234.2	18.13	228.5	17.57	223.7	17.03	219.0	16.56	219.7	16.08	209.9	14.43
		76.0	237.7	18.13	232.0	17.57	227.2	17.03	222.2	16.56	223.0	16.08	212.9	14.43
		91.2	239.5	18.13	233.7	17.57	229.0	17.03	223.8	16.56	224.6	16.08	214.5	14.43
	41	24.4	327.4	19.23	322.5	18.75	315.7	18.27	307.8	17.76	299.5	17.27	283.0	15.46
		35.6	328.6	19.31	323.1	18.84	315.8	18.37	307.8	17.85	299.5	17.35	283.0	15.54
		60.8	333.1	19.66	325.3	19.18	316.0	18.73	307.8	18.21	299.5	17.70	283.0	15.87
		76.0	335.1	19.79	326.3	19.31	316.0	18.86	307.8	18.34	299.5	17.83	283.0	15.98
		91.2	336.1	19.85	326.8	19.38	316.0	18.93	307.8	18.41	299.5	17.89	283.0	16.03
	50	24.4	327.8	17.49	322.5	16.91	314.8	16.59	306.5	16.22	298.4	15.66	281.9	14.13
		35.6	329.8	17.46	324.1	16.92	316.0	16.62	307.8	16.21	299.5	15.65	283.0	14.12
		60.8	337.6	17.33	330.1	16.99	321.0	16.75	312.8	16.19	304.0	15.61	287.5	14.08
		76.0	339.3	17.57	332.3	17.22	323.1	16.82	314.3	16.26	306.0	15.87	289.3	14.75
		91.2	340.2	17.69	333.4	17.34	324.1	16.85	315.0	16.29	307.0	16.00	290.2	15.08
	59	24.4	328.3	15.77	322.6	15.09	313.5	14.93	305.3	14.68	297.3	14.06	280.7	12.81
		35.6	331.1	15.61	325.1	15.03	316.0	14.90	307.8	14.58	299.5	13.95	283.0	12.70
		60.8	341.8	14.99	334.8	14.77	326.1	14.77	317.8	14.15	308.5	13.52	292.0	12.27
		76.0	343.6	15.35	338.1	15.11	330.1	14.77	321.0	14.15	312.8	13.91	295.5	13.52
		91.2	344.5	15.54	339.7	15.29	332.1	14.77	322.7	14.15	314.9	14.10	297.3	14.15
	68	24.4	340.9	14.46	334.6	13.79	325.8	13.49	316.8	13.06	307.6	12.77	289.3	12.38
		35.6	343.6	14.36	337.3	13.78	328.3	13.48	319.3	13.11	310.3	12.85	292.0	12.27
		60.8	354.3	13.95	348.1	13.74	338.3	13.43	329.3	13.33	321.0	13.20	302.8	11.86
		76.0	355.8	13.95	350.6	13.74	342.3	13.52	332.6	13.33	323.6	13.20	305.3	12.62
		91.2	356.6	13.95	351.8	13.74	344.3	13.56	334.2	13.33	324.8	13.20	306.5	13.00
	77	24.4	359.8	13.79	350.6	13.39	342.3	13.17	335.8	12.95	328.3	12.76	309.5	11.92
		35.6	359.8	13.74	350.6	13.37	342.3	13.11	335.8	12.90	328.3	12.70	309.5	11.86
		60.8	359.8	13.52	350.6	13.28	342.3	12.90	335.8	12.70	328.3	12.49	309.5	11.65
		76.0	359.8	13.33	350.6	12.94	342.3	12.70	335.8	12.49	328.3	12.27	309.5	11.45
		91.2	359.8	13.23	350.6	12.77	342.3	12.61	335.8	12.38	328.3	12.16	309.5	11.36
	86	24.4	359.8	13.44	350.6	12.77	342.3	12.65	335.8	12.32	328.3	12.19	309.5	11.34
		35.6	359.8	13.33	350.6	12.75	342.3	12.57	335.8	12.27	328.3	12.08	309.5	11.24
		60.8	359.8	12.90	350.6	12.66	342.3	12.27	335.8	12.08	328.3	11.65	309.5	10.83
		76.0	359.8	12.70	350.6	12.32	342.3	12.08	335.8	11.86	328.3	11.65	309.5	10.83
		91.2	359.8	12.61	350.6	12.14	342.3	11.98	335.8	11.75	328.3	11.65	309.5	10.83
	95	24.4	359.8	12.81	350.6	12.39	342.3	12.13	335.8	11.70	328.3	11.29	309.5	10.50
		35.6	359.8	12.70	350.6	12.32	342.3	12.08	335.8	11.65	328.3	11.24	309.5	10.40
		60.8	359.8	12.27	350.6	12.04	342.3	11.86	335.8	11.45	328.3	11.02	309.5	9.99
		76.0	359.8	12.27	350.6	11.91	342.3	11.65	335.8	11.24	328.3	10.83	309.5	9.99
		91.2	359.8	12.27	350.6	11.84	342.3	11.54	335.8	11.13	328.3	10.73	309.5	9.99
	104	24.4	359.8	12.38	350.6	11.98	342.3	11.75	335.8	11.34	328.3	10.94	309.5	9.88
		35.6	359.8	12.27	350.6	11.91	342.3	11.65	335.8	11.24	328.3	10.83	309.5	9.77
		60.8	359.8	11.86	350.6	11.60	342.3	11.24	335.8	10.83	328.3	10.40	309.5	9.37
		76.0	359.8	11.65	350.6	11.41	342.3	11.24	335.8	10.83	328.3	10.40	309.5	9.37
		91.2	359.8	11.54	350.6	11.31	342.3	11.24	335.8	10.83	328.3	10.40	309.5	9.37
	113	24.4	359.8	11.97	350.6	11.57	342.3	11.40	335.8	10.99	328.3	10.56	309.5	9.25
		35.6	359.8	11.86	350.6	11.50	342.3	11.24	335.8	10.83	328.3	10.40	309.5	9.15
		60.8	359.8	11.45	350.6	11.20	342.3	10.61	335.8	10.21	328.3	9.77	309.5	8.74
		76.0	359.8	11.02	350.6	10.92	342.3	10.83	335.8	10.40	328.3	9.99	309.5	8.74
		91.2	359.8	10.81	350.6	10.77	342.3	10.94	335.8	10.50	328.3	10.10	309.5	8.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
120	23	24.4	120.9	13.08	120.0	12.31	119.3	11.46	117.8	10.98	118.8	10.66	115.6	9.54
		35.6	125.1	13.31	124.1	12.55	123.4	11.71	121.9	11.22	122.9	10.89	119.6	9.75
		60.8	141.6	14.21	140.4	13.50	139.6	12.70	137.9	12.16	139.1	11.82	135.4	10.59
		76.0	156.4	15.11	155.1	14.43	154.1	13.69	152.4	13.13	153.6	12.75	149.4	11.41
		91.2	163.8	15.57	162.6	14.89	161.5	14.19	159.7	13.62	161.0	13.21	156.5	11.82
	32	24.4	216.2	17.89	210.9	17.35	206.4	16.79	202.2	16.08	202.2	15.63	193.0	13.97
		35.6	217.5	17.93	212.2	17.40	207.7	16.84	203.4	16.13	203.4	15.67	194.2	14.02
		60.8	222.5	18.13	217.2	17.57	212.7	17.03	208.2	16.32	208.2	15.85	198.9	14.19
		76.0	226.0	18.13	220.7	17.57	216.0	17.03	211.4	16.32	211.2	15.85	201.9	14.19
		91.2	227.7	18.13	222.5	17.57	217.6	17.03	213.1	16.32	212.7	15.85	203.5	14.19
	41	24.4	311.7	19.23	307.0	18.75	300.3	18.27	293.0	17.50	283.8	17.01	268.2	15.23
		35.6	312.8	19.31	307.5	18.84	300.3	18.37	293.0	17.59	283.8	17.10	268.2	15.31
		60.8	317.3	19.66	309.8	19.18	300.3	18.73	293.0	17.96	283.8	17.44	268.2	15.61
		76.0	319.0	19.79	308.0	19.31	300.3	18.86	293.0	18.09	283.8	17.57	268.2	15.72
		91.2	319.9	19.85	307.2	19.38	300.3	18.93	293.0	18.15	283.8	17.63	268.2	15.77
	50	24.4	312.8	17.27	307.0	16.79	299.5	16.45	292.2	15.95	283.0	15.43	267.6	13.87
		35.6	314.3	17.33	308.3	16.86	300.3	16.51	293.0	15.98	283.8	15.42	268.2	13.89
		60.8	320.0	17.57	313.3	17.12	303.5	16.75	296.3	16.06	286.8	15.37	271.0	13.95
		76.0	321.8	17.50	312.3	17.12	304.8	16.82	297.5	16.13	288.0	15.44	272.3	14.43
		91.2	322.7	17.47	311.8	17.12	305.4	16.85	298.2	16.16	288.6	15.47	272.9	14.66
	59	24.4	313.7	15.32	307.4	14.87	298.6	14.63	291.4	14.42	282.3	13.84	266.8	12.54
		35.6	315.5	15.35	309.3	14.90	300.3	14.66	293.0	14.36	283.8	13.74	268.2	12.49
		60.8	322.8	15.48	316.8	15.03	307.0	14.77	299.5	14.15	289.5	13.33	274.0	12.27
		76.0	324.6	15.24	316.5	14.90	309.5	14.77	302.0	14.15	292.0	13.33	276.5	13.11
		91.2	325.4	15.12	316.4	14.83	310.8	14.77	303.3	14.15	293.3	13.33	277.8	13.54
	68	24.4	322.5	13.78	316.4	13.19	306.8	12.84	298.4	12.65	288.7	12.50	273.1	11.86
		35.6	324.6	13.78	318.3	13.24	308.5	12.90	300.3	12.70	290.5	12.49	274.8	11.82
		60.8	332.8	13.78	325.8	13.43	315.3	13.11	307.8	12.90	297.8	12.44	281.3	11.65
		76.0	334.3	13.65	325.6	13.33	317.8	13.11	309.5	12.90	299.5	12.49	283.0	12.08
		91.2	335.1	13.59	325.4	13.27	319.1	13.11	310.4	12.90	300.4	12.51	283.9	12.30
	77	24.4	338.1	13.03	328.3	12.42	317.8	12.19	311.0	11.92	302.8	11.70	286.3	10.88
		35.6	338.3	12.98	328.3	12.40	317.8	12.16	311.0	11.86	302.8	11.65	286.3	10.83
		60.8	339.1	12.79	328.3	12.32	317.8	12.08	311.0	11.65	302.8	11.45	286.3	10.61
		76.0	340.1	12.32	328.3	11.99	317.8	11.86	311.0	11.65	302.8	11.24	286.3	10.61
		91.2	340.6	12.08	328.3	11.83	317.8	11.75	311.0	11.65	302.8	11.13	286.3	10.61
	86	24.4	340.1	12.46	328.3	11.85	317.8	11.51	311.0	11.07	302.8	10.94	286.3	10.04
		35.6	340.1	12.36	328.3	11.78	317.8	11.45	311.0	11.02	302.8	10.83	286.3	9.99
		60.8	340.1	11.95	328.3	11.50	317.8	11.24	311.0	10.83	302.8	10.40	286.3	9.77
		76.0	340.1	11.56	328.3	11.24	317.8	11.02	311.0	10.83	302.8	10.40	286.3	9.58
		91.2	340.1	11.37	328.3	11.11	317.8	10.92	311.0	10.83	302.8	10.40	286.3	9.48
	95	24.4	340.1	11.90	328.3	11.26	317.8	10.94	311.0	10.50	302.8	10.09	286.3	9.20
		35.6	340.1	11.73	328.3	11.15	317.8	10.83	311.0	10.40	302.8	9.99	286.3	9.15
		60.8	340.1	11.07	328.3	10.74	317.8	10.40	311.0	9.99	302.8	9.58	286.3	8.96
		76.0	340.1	10.94	328.3	10.66	317.8	10.40	311.0	9.99	302.8	9.58	286.3	8.74
		91.2	340.1	10.87	328.3	10.61	317.8	10.40	311.0	9.99	302.8	9.58	286.3	8.63
	104	24.4	340.1	11.55	328.3	10.74	317.8	10.31	311.0	9.88	302.8	9.47	286.3	8.57
		35.6	340.1	11.32	328.3	10.61	317.8	10.21	311.0	9.77	302.8	9.37	286.3	8.53
		60.8	340.1	10.44	328.3	10.12	317.8	9.77	311.0	9.37	302.8	8.96	286.3	8.33
		76.0	340.1	10.31	328.3	9.99	317.8	9.77	311.0	9.37	302.8	8.96	286.3	8.12
		91.2	340.1	10.25	328.3	9.92	317.8	9.77	311.0	9.37	302.8	8.96	286.3	8.01
	113	24.4	340.1	11.19	328.3	10.22	317.8	9.69	311.0	9.25	302.8	8.84	286.3	7.95
		35.6	340.1	10.92	328.3	10.08	317.8	9.58	311.0	9.15	302.8	8.74	286.3	7.90
		60.8	340.1	9.82	328.3	9.49	317.8	9.15	311.0	8.74	302.8	8.33	286.3	7.71
		76.0	340.1	9.69	328.3	9.32	317.8	9.15	311.0	8.74	302.8	8.33	286.3	7.49
		91.2	340.1	9.62	328.3	9.24	317.8	9.15	311.0	8.74	302.8	8.33	286.3	7.38

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM240DAS5

240,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
110	23	24.4	114.4	13.25	113.7	12.31	112.9	11.46	111.8	10.98	112.1	10.66	109.6	9.54
		35.6	118.4	13.48	117.6	12.55	116.9	11.71	115.6	11.22	115.9	10.89	113.4	9.75
		60.8	133.9	14.38	133.1	13.50	132.4	12.70	130.9	12.16	130.9	11.82	128.4	10.59
		76.0	147.9	15.31	146.9	14.43	146.1	13.69	144.6	13.13	144.6	12.75	141.6	11.41
		91.2	154.9	15.77	153.8	14.89	153.1	14.19	151.6	13.62	151.6	13.21	148.3	11.82
	32	24.4	204.5	18.13	200.0	17.35	195.8	16.79	192.0	16.08	190.3	15.63	183.1	13.97
		35.6	205.7	18.17	201.2	17.40	196.9	16.84	193.2	16.13	191.4	15.67	184.2	14.02
		60.8	210.4	18.34	205.9	17.57	201.4	17.03	197.7	16.32	195.9	15.85	188.4	14.19
		76.0	213.7	18.34	209.2	17.57	204.7	17.03	200.7	16.32	198.9	15.85	191.2	14.19
		91.2	215.3	18.34	210.8	17.57	206.3	17.03	202.2	16.32	200.4	15.85	192.6	14.19
	41	24.4	298.3	19.48	291.2	18.75	284.5	18.27	278.0	17.50	267.2	17.01	254.2	15.23
		35.6	299.3	19.57	291.8	18.84	284.5	18.37	278.0	17.59	267.2	17.10	254.2	15.31
		60.8	303.3	19.92	294.0	19.18	284.8	18.73	278.0	17.96	267.2	17.44	254.2	15.61
		76.0	305.0	20.04	294.8	19.31	284.8	18.86	278.0	18.09	267.2	17.57	254.2	15.72
		91.2	305.9	20.11	295.2	19.38	284.8	18.93	278.0	18.15	267.2	17.63	254.2	15.77
	50	24.4	299.4	17.47	292.0	16.87	284.1	16.51	277.6	15.95	266.8	15.43	253.9	13.87
		35.6	300.5	17.50	292.8	16.92	284.5	16.56	278.0	15.98	267.2	15.42	254.2	13.89
		60.8	305.0	17.63	295.8	17.12	286.3	16.75	279.8	16.06	269.0	15.37	255.5	13.95
		76.0	306.8	17.63	297.0	17.12	287.3	16.71	280.3	16.02	269.5	15.44	256.2	14.10
		91.2	307.7	17.63	297.7	17.12	287.8	16.69	280.5	16.00	269.8	15.47	256.6	14.18
	59	24.4	300.3	15.46	292.4	15.03	283.9	14.77	277.2	14.42	266.4	13.84	253.6	12.54
		35.6	301.5	15.44	293.5	15.03	284.8	14.77	278.0	14.36	267.2	13.74	254.2	12.49
		60.8	306.5	15.35	297.8	15.03	288.0	14.77	281.3	14.15	270.8	13.33	256.7	12.27
		76.0	308.3	15.24	299.3	14.90	289.5	14.58	282.3	13.95	271.5	13.33	258.2	12.49
		91.2	309.2	15.19	300.0	14.83	290.3	14.48	282.8	13.85	271.9	13.33	259.0	12.60
	68	24.4	305.9	13.34	297.5	13.03	287.9	12.70	280.2	12.49	269.9	12.13	255.7	11.35
		35.6	307.5	13.37	298.5	13.03	288.8	12.70	281.3	12.49	270.8	12.08	256.7	11.32
		60.8	314.0	13.48	302.5	13.03	292.0	12.70	285.5	12.49	274.0	11.86	260.7	11.24
		76.0	315.8	13.48	305.0	13.03	293.8	12.70	286.3	12.27	275.5	11.86	261.5	11.24
		91.2	316.7	13.48	306.3	13.03	294.7	12.70	286.6	12.16	276.3	11.86	261.9	11.24
	77	24.4	315.4	12.14	306.0	11.70	293.8	11.51	287.3	11.07	277.3	10.67	262.5	9.77
		35.6	316.0	12.12	306.0	11.65	293.8	11.45	287.3	11.02	277.3	10.61	262.5	9.77
		60.8	318.5	12.04	306.0	11.45	293.8	11.24	287.3	10.83	277.3	10.40	262.5	9.77
		76.0	320.0	12.04	306.0	11.50	293.8	11.02	287.3	10.83	277.3	10.21	262.5	9.58
		91.2	320.8	12.04	306.0	11.52	293.8	10.92	287.3	10.83	277.3	10.11	262.5	9.48
	86	24.4	320.0	11.07	306.0	10.67	293.8	10.26	287.3	10.04	277.3	9.42	262.5	8.80
		35.6	320.0	11.02	306.0	10.61	293.8	10.21	287.3	9.99	277.3	9.37	262.5	8.74
		60.8	320.0	10.83	306.0	10.40	293.8	9.99	287.3	9.77	277.3	9.15	262.5	8.53
		76.0	320.0	10.74	306.0	10.21	293.8	9.77	287.3	9.58	277.3	9.15	262.5	8.53
		91.2	320.0	10.70	306.0	10.11	293.8	9.67	287.3	9.48	277.3	9.15	262.5	8.53
	95	24.4	320.0	10.50	306.0	9.82	293.8	9.42	287.3	9.01	277.3	8.57	262.5	7.95
		35.6	320.0	10.40	306.0	9.77	293.8	9.37	287.3	8.96	277.3	8.53	262.5	7.90
		60.8	320.0	9.99	306.0	9.58	293.8	9.15	287.3	8.74	277.3	8.33	262.5	7.71
		76.0	320.0	9.73	306.0	9.37	293.8	8.96	287.3	8.74	277.3	8.33	262.5	7.71
		91.2	320.0	9.60	306.0	9.26	293.8	8.86	287.3	8.74	277.3	8.33	262.5	7.71
	104	24.4	320.0	9.88	306.0	9.47	293.8	8.84	287.3	8.39	277.3	7.95	262.5	7.33
		35.6	320.0	9.77	306.0	9.37	293.8	8.74	287.3	8.33	277.3	7.90	262.5	7.28
		60.8	320.0	9.37	306.0	8.96	293.8	8.33	287.3	8.12	277.3	7.71	262.5	7.08
		76.0	320.0	9.24	306.0	8.74	293.8	8.33	287.3	7.90	277.3	7.49	262.5	6.87
		91.2	320.0	9.17	306.0	8.63	293.8	8.33	287.3	7.79	277.3	7.38	262.5	6.76
	113	24.4	320.0	9.25	306.0	9.11	293.8	8.27	287.3	7.76	277.3	7.33	262.5	6.70
		35.6	320.0	9.15	306.0	8.96	293.8	8.12	287.3	7.71	277.3	7.28	262.5	6.65
		60.8	320.0	8.74	306.0	8.33	293.8	7.49	287.3	7.49	277.3	7.08	262.5	6.46
		76.0	320.0	8.74	306.0	8.12	293.8	7.71	287.3	7.08	277.3	6.65	262.5	6.03
		91.2	320.0	8.74	306.0	8.01	293.8	7.82	287.3	6.88	277.3	6.44	262.5	5.81

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
100	23	24.4	108.1	13.25	107.4	12.49	106.9	11.46	106.0	10.98	105.0	10.49	103.0	9.54
		35.6	111.9	13.48	111.1	12.72	110.6	11.71	109.6	11.22	108.6	10.72	106.6	9.75
		60.8	126.6	14.38	125.9	13.67	125.1	12.70	123.9	12.16	122.9	11.65	120.9	10.59
		76.0	139.9	15.31	138.9	14.62	138.1	13.69	136.9	13.13	135.9	12.55	133.4	11.41
		91.2	146.6	15.77	145.4	15.10	144.7	14.19	143.4	13.62	142.4	13.01	139.7	11.82
	32	24.4	193.3	18.13	189.0	17.59	185.1	16.79	181.8	16.08	178.6	15.39	172.4	13.97
		35.6	194.4	18.17	190.2	17.63	186.2	16.84	182.9	16.13	179.7	15.44	173.4	14.02
		60.8	198.9	18.34	194.7	17.81	190.4	17.03	187.2	16.32	183.9	15.61	177.4	14.19
		76.0	201.9	18.34	197.7	17.81	193.4	17.03	189.9	16.32	186.7	15.61	180.2	14.19
		91.2	203.5	18.34	199.2	17.81	194.9	17.03	191.3	16.32	188.1	15.61	181.6	14.19
	41	24.4	285.3	19.48	275.8	19.01	268.7	18.27	263.2	17.50	250.7	16.75	239.2	15.23
		35.6	286.3	19.57	276.3	19.10	268.7	18.37	263.2	17.59	250.7	16.84	239.2	15.31
		60.8	290.3	19.92	278.3	19.44	269.0	18.73	263.2	17.96	250.7	17.18	239.2	15.61
		76.0	292.0	20.04	279.0	19.57	269.0	18.86	263.2	18.09	250.7	17.29	239.2	15.72
		91.2	292.9	20.11	279.4	19.64	269.0	18.93	263.2	18.15	250.7	17.34	239.2	15.77
	50	24.4	286.8	17.42	276.6	17.04	269.0	16.51	263.2	15.95	250.7	15.16	239.2	13.87
		35.6	287.5	17.50	277.0	17.10	269.0	16.56	263.2	15.98	250.7	15.18	239.2	13.89
		60.8	290.3	17.83	278.5	17.31	269.0	16.75	263.2	16.06	250.7	15.24	239.2	13.95
		76.0	292.3	17.76	279.8	17.31	269.0	16.71	263.2	16.02	250.7	15.20	239.2	13.89
		91.2	293.3	17.73	280.4	17.31	269.0	16.69	263.2	16.00	250.7	15.18	239.2	13.85
	59	24.4	288.4	15.36	277.8	15.10	269.0	14.77	263.2	14.42	250.7	13.57	239.2	12.54
		35.6	288.8	15.44	278.0	15.11	269.0	14.77	263.2	14.36	250.7	13.52	239.2	12.49
		60.8	290.3	15.74	278.8	15.16	269.0	14.77	263.2	14.15	250.7	13.33	239.2	12.27
		76.0	292.8	15.48	280.3	15.03	269.0	14.58	263.2	13.95	250.7	13.11	239.2	12.08
		91.2	294.0	15.35	281.0	14.96	269.0	14.48	263.2	13.85	250.7	13.00	239.2	11.98
	68	24.4	289.9	13.14	279.3	12.80	269.0	12.49	263.2	12.32	250.7	11.51	239.2	10.94
		35.6	291.0	13.20	279.5	12.81	269.0	12.49	263.2	12.27	250.7	11.45	239.2	10.83
		60.8	295.3	13.43	280.3	12.85	269.0	12.49	263.2	12.08	250.7	11.24	239.2	10.40
		76.0	297.0	13.20	282.8	12.75	269.0	12.27	263.2	11.86	250.7	11.02	239.2	10.21
		91.2	297.9	13.08	284.0	12.69	269.0	12.16	263.2	11.75	250.7	10.92	239.2	10.11
	77	24.4	293.4	11.49	283.8	11.13	269.0	10.67	263.2	10.26	250.7	9.64	239.2	8.74
		35.6	294.5	11.50	283.8	11.07	269.0	10.61	263.2	10.21	250.7	9.58	239.2	8.74
		60.8	298.8	11.54	283.8	10.83	269.0	10.40	263.2	9.99	250.7	9.37	239.2	8.74
		76.0	300.3	11.28	283.8	10.74	269.0	10.21	263.2	9.77	250.7	9.37	239.2	8.53
		91.2	301.0	11.15	283.8	10.70	269.0	10.11	263.2	9.67	250.7	9.37	239.2	8.42
	86	24.4	300.3	10.45	283.8	9.64	269.0	8.98	263.2	8.80	250.7	8.12	239.2	7.76
		35.6	300.3	10.40	283.8	9.58	269.0	8.96	263.2	8.74	250.7	8.12	239.2	7.71
		60.8	300.3	10.21	283.8	9.37	269.0	8.87	263.2	8.53	250.7	8.12	239.2	7.49
		76.0	300.3	9.99	283.8	9.37	269.0	8.74	263.2	8.53	250.7	7.90	239.2	7.49
		91.2	300.3	9.88	283.8	9.37	269.0	8.68	263.2	8.53	250.7	7.79	239.2	7.49
	95	24.4	300.3	9.69	283.8	8.84	269.0	7.92	263.2	7.76	250.7	7.33	239.2	6.70
		35.6	300.3	9.58	283.8	8.74	269.0	7.90	263.2	7.71	250.7	7.28	239.2	6.65
		60.8	300.3	9.15	283.8	8.33	269.0	7.82	263.2	7.49	250.7	7.08	239.2	6.46
		76.0	300.3	9.15	283.8	8.33	269.0	7.71	263.2	7.49	250.7	7.08	239.2	6.46
		91.2	300.3	9.15	283.8	8.33	269.0	7.65	263.2	7.49	250.7	7.08	239.2	6.46
	104	24.4	300.3	9.07	283.8	8.22	269.0	7.11	263.2	6.92	250.7	6.51	239.2	6.08
		35.6	300.3	8.96	283.8	8.12	269.0	7.08	263.2	6.87	250.7	6.46	239.2	6.03
		60.8	300.3	8.53	283.8	7.71	269.0	7.00	263.2	6.65	250.7	6.24	239.2	5.83
		76.0	300.3	8.33	283.8	7.71	269.0	6.87	263.2	6.65	250.7	6.24	239.2	5.83
		91.2	300.3	8.23	283.8	7.71	269.0	6.80	263.2	6.65	250.7	6.24	239.2	5.83
	113	24.4	300.3	8.44	283.8	7.60	269.0	6.27	263.2	6.08	250.7	5.67	239.2	5.45
		35.6	300.3	8.33	283.8	7.49	269.0	6.24	263.2	6.03	250.7	5.62	239.2	5.40
		60.8	300.3	7.90	283.8	7.08	269.0	6.16	263.2	5.83	250.7	5.40	239.2	5.21
		76.0	300.3	7.49	283.8	7.08	269.0	6.03	263.2	5.83	250.7	5.40	239.2	5.21
		91.2	300.3	7.29	283.8	7.08	269.0	5.96	263.2	5.83	250.7	5.40	239.2	5.21

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM240DAS5

240,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
90	23	24.4	102.1	12.30	98.9	11.20	96.1	9.84	95.3	9.37	94.6	9.04	92.9	8.11
		35.6	105.6	12.51	102.3	11.41	99.3	10.05	98.6	9.58	97.8	9.24	96.1	8.29
		60.8	119.6	13.35	115.9	12.25	112.4	10.92	111.6	10.40	110.9	10.03	108.6	9.00
		76.0	132.1	14.19	127.9	13.11	124.1	11.78	123.1	11.22	122.4	10.81	120.1	9.71
		91.2	138.4	14.61	133.9	13.55	130.0	12.21	128.9	11.63	128.2	11.20	125.9	10.07
	32	24.4	182.6	16.75	174.2	15.72	166.1	14.43	163.7	13.76	161.0	13.25	154.9	11.90
		35.6	183.7	16.79	175.2	15.76	167.2	14.47	164.7	13.80	161.9	13.28	155.9	11.93
		60.8	187.9	16.97	179.2	15.93	171.2	14.62	168.4	13.95	165.7	13.43	159.6	12.06
		76.0	190.7	16.97	181.9	15.93	173.9	14.62	170.9	13.95	168.4	13.43	162.2	12.06
		91.2	192.1	16.97	183.3	15.93	175.3	14.62	172.2	13.95	169.8	13.43	163.4	12.06
	41	24.4	258.0	17.98	249.7	16.97	241.7	15.71	236.7	14.97	226.2	14.41	215.5	12.94
		35.6	258.2	18.06	249.5	17.05	241.7	15.78	236.7	15.05	226.2	14.49	215.5	13.00
		60.8	259.2	18.39	248.7	17.37	241.7	16.08	236.7	15.35	226.2	14.79	215.5	13.26
		76.0	260.7	18.49	249.5	17.48	241.7	16.21	236.7	15.46	226.2	14.90	215.5	13.37
		91.2	261.5	18.55	249.9	17.54	241.7	16.28	236.7	15.51	226.2	14.95	215.5	13.42
	50	24.4	259.4	15.88	250.5	15.10	241.7	14.22	236.7	13.63	226.2	13.08	215.5	11.79
		35.6	259.2	15.89	250.2	15.11	241.7	14.23	236.7	13.65	226.2	13.07	215.5	11.80
		60.8	258.7	15.93	249.0	15.18	241.7	14.30	236.7	13.71	226.2	13.03	215.5	11.84
		76.0	260.5	15.89	249.7	15.14	241.7	14.25	236.7	13.67	226.2	13.07	215.5	11.88
		91.2	261.4	15.87	250.1	15.11	241.7	14.23	236.7	13.65	226.2	13.09	215.5	11.91
	59	24.4	260.7	13.75	251.4	13.25	241.7	12.76	236.7	12.32	226.2	11.75	215.5	10.67
		35.6	260.2	13.69	251.0	13.20	241.7	12.70	236.7	12.27	226.2	11.65	215.5	10.61
		60.8	258.5	13.48	249.2	12.98	241.7	12.49	236.7	12.08	226.2	11.24	215.5	10.40
		76.0	260.2	13.28	250.0	12.79	241.7	12.27	236.7	11.86	226.2	11.24	215.5	10.40
		91.2	261.1	13.19	250.4	12.69	241.7	12.16	236.7	11.75	226.2	11.24	215.5	10.40
	68	24.4	262.2	11.60	252.5	11.27	241.7	10.88	236.7	10.45	226.2	10.09	215.5	9.47
		35.6	262.0	11.60	252.0	11.24	241.7	10.83	236.7	10.40	226.2	9.99	215.5	9.37
		60.8	261.0	11.60	250.0	11.11	241.7	10.61	236.7	10.21	226.2	9.58	215.5	8.96
		76.0	261.7	11.41	250.7	11.02	241.7	10.61	236.7	10.21	226.2	9.58	215.5	8.96
		91.2	262.1	11.31	251.1	10.98	241.7	10.61	236.7	10.21	226.2	9.58	215.5	8.96
	77	24.4	266.6	10.14	255.7	9.60	241.7	9.20	236.7	8.74	226.2	8.39	215.5	7.76
		35.6	267.2	10.12	255.7	9.58	241.7	9.15	236.7	8.74	226.2	8.33	215.5	7.71
		60.8	269.8	10.03	255.7	9.49	241.7	8.96	236.7	8.74	226.2	8.12	215.5	7.49
		76.0	270.8	9.77	255.7	9.28	241.7	8.96	236.7	8.53	226.2	8.12	215.5	7.49
		91.2	271.3	9.64	255.7	9.17	241.7	8.96	236.7	8.42	226.2	8.12	215.5	7.49
	86	24.4	270.8	9.20	255.7	8.57	241.7	7.95	236.7	7.76	226.2	7.33	215.5	6.65
		35.6	270.8	9.15	255.7	8.53	241.7	7.90	236.7	7.71	226.2	7.28	215.5	6.65
		60.8	270.8	8.96	255.7	8.33	241.7	7.71	236.7	7.49	226.2	7.08	215.5	6.65
		76.0	270.8	8.74	255.7	8.12	241.7	7.71	236.7	7.49	226.2	7.08	215.5	6.46
		91.2	270.8	8.63	255.7	8.01	241.7	7.71	236.7	7.49	226.2	7.08	215.5	6.36
	95	24.4	270.8	8.39	255.7	7.76	241.7	7.14	236.7	6.92	226.2	6.51	215.5	6.08
		35.6	270.8	8.33	255.7	7.71	241.7	7.08	236.7	6.87	226.2	6.46	215.5	6.03
		60.8	270.8	8.12	255.7	7.49	241.7	6.87	236.7	6.65	226.2	6.24	215.5	5.83
		76.0	270.8	7.90	255.7	7.28	241.7	6.65	236.7	6.46	226.2	6.24	215.5	5.83
		91.2	270.8	7.79	255.7	7.17	241.7	6.54	236.7	6.36	226.2	6.24	215.5	5.83
	104	24.4	270.8	7.82	255.7	7.14	241.7	6.30	236.7	6.08	226.2	5.89	215.5	5.45
		35.6	270.8	7.71	255.7	7.08	241.7	6.24	236.7	6.03	226.2	5.83	215.5	5.40
		60.8	270.8	7.28	255.7	6.87	241.7	6.03	236.7	5.83	226.2	5.62	215.5	5.21
		76.0	270.8	7.28	255.7	6.87	241.7	6.03	236.7	5.83	226.2	5.62	215.5	5.21
		91.2	270.8	7.28	255.7	6.87	241.7	6.03	236.7	5.83	226.2	5.62	215.5	5.21
	113	24.4	270.8	7.24	255.7	6.51	241.7	5.45	236.7	5.26	226.2	5.26	215.5	4.83
		35.6	270.8	7.08	255.7	6.46	241.7	5.40	236.7	5.21	226.2	5.21	215.5	4.78
		60.8	270.8	6.46	255.7	6.24	241.7	5.21	236.7	5.00	226.2	5.00	215.5	4.59
		76.0	270.8	6.65	255.7	6.46	241.7	5.40	236.7	5.21	226.2	5.00	215.5	4.59
		91.2	270.8	6.75	255.7	6.57	241.7	5.50	236.7	5.32	226.2	5.00	215.5	4.59

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
80	23	24.4	96.6	8.76	90.5	8.43	85.7	8.07	84.7	7.80	84.2	7.44	82.5	6.85
		35.6	99.8	8.96	93.6	8.61	88.6	8.25	87.6	7.97	87.1	7.60	85.3	7.00
		60.8	112.9	9.73	105.8	9.34	100.1	8.94	99.1	8.63	98.6	8.25	96.6	7.58
		76.0	124.9	10.49	116.9	10.08	110.6	9.65	109.4	9.32	108.9	8.89	106.6	8.18
		91.2	130.9	10.87	122.4	10.45	115.9	10.00	114.5	9.67	114.0	9.22	111.6	8.49
	32	24.4	172.3	12.86	159.0	12.34	148.0	11.83	145.3	11.42	143.2	10.88	137.8	10.03
		35.6	173.4	12.90	159.9	12.38	148.9	11.86	146.1	11.45	144.1	10.92	138.6	10.05
		60.8	177.7	13.05	163.7	12.53	152.4	11.99	149.6	11.58	147.6	11.05	141.9	10.16
		76.0	180.2	13.05	166.2	12.53	154.9	11.99	151.9	11.58	149.9	11.05	144.1	10.16
		91.2	181.4	13.05	167.4	12.53	156.2	11.99	153.0	11.58	151.0	11.05	145.3	10.16
	41	24.4	238.5	13.98	225.0	13.46	215.1	12.85	210.4	12.42	201.4	11.85	191.4	10.90
		35.6	239.0	14.06	225.5	13.52	215.2	12.92	210.4	12.49	201.4	11.91	191.4	10.96
		60.8	241.0	14.36	227.2	13.78	215.5	13.20	210.4	12.75	201.4	12.14	191.4	11.20
		76.0	241.0	14.45	227.0	13.89	215.5	13.28	210.4	12.83	201.4	12.23	191.4	11.26
		91.2	241.0	14.49	226.8	13.94	215.5	13.33	210.4	12.88	201.4	12.27	191.4	11.29
	50	24.4	239.7	12.87	226.0	12.29	215.1	11.66	210.4	11.34	201.4	10.74	191.4	9.94
		35.6	240.0	12.85	226.2	12.27	215.2	11.67	210.4	11.35	201.4	10.74	191.4	9.95
		60.8	241.0	12.79	227.2	12.21	215.5	11.69	210.4	11.37	201.4	10.77	191.4	9.97
		76.0	241.0	12.75	227.0	12.25	215.5	11.73	210.4	11.30	201.4	10.70	191.4	9.90
		91.2	241.0	12.72	226.8	12.27	215.5	11.76	210.4	11.27	201.4	10.67	191.4	9.87
	59	24.4	241.0	11.75	227.0	11.13	215.5	10.45	210.4	10.26	201.4	9.64	191.4	9.01
		35.6	241.0	11.65	227.0	11.02	215.5	10.40	210.4	10.21	201.4	9.58	191.4	8.96
		60.8	241.0	11.24	227.0	10.61	215.5	10.21	210.4	9.99	201.4	9.37	191.4	8.74
		76.0	241.0	11.02	227.0	10.61	215.5	10.21	210.4	9.77	201.4	9.15	191.4	8.53
		91.2	241.0	10.92	227.0	10.61	215.5	10.21	210.4	9.67	201.4	9.04	191.4	8.42
	68	24.4	241.0	9.82	227.0	9.42	215.5	8.96	210.4	8.80	201.4	8.39	191.4	7.76
		35.6	241.0	9.77	227.0	9.37	215.5	8.96	210.4	8.74	201.4	8.33	191.4	7.71
		60.8	241.0	9.58	227.0	9.15	215.5	8.96	210.4	8.53	201.4	8.12	191.4	7.49
		76.0	241.0	9.37	227.0	8.96	215.5	8.74	210.4	8.53	201.4	7.90	191.4	7.49
		91.2	241.0	9.26	227.0	8.86	215.5	8.63	210.4	8.53	201.4	7.79	191.4	7.49
	77	24.4	241.0	8.80	227.0	8.17	215.5	7.71	210.4	7.55	201.4	7.14	191.4	6.70
		35.6	241.0	8.74	227.0	8.12	215.5	7.71	210.4	7.49	201.4	7.08	191.4	6.65
		60.8	241.0	8.53	227.0	7.90	215.5	7.71	210.4	7.28	201.4	6.87	191.4	6.46
		76.0	241.0	8.33	227.0	7.90	215.5	7.49	210.4	7.28	201.4	6.87	191.4	6.46
		91.2	241.0	8.23	227.0	7.90	215.5	7.38	210.4	7.28	201.4	6.87	191.4	6.46
	86	24.4	241.0	7.76	227.0	7.33	215.5	6.92	210.4	6.70	201.4	6.30	191.4	5.89
		35.6	241.0	7.71	227.0	7.28	215.5	6.87	210.4	6.65	201.4	6.24	191.4	5.83
		60.8	241.0	7.49	227.0	7.08	215.5	6.65	210.4	6.46	201.4	6.03	191.4	5.62
		76.0	241.0	7.49	227.0	7.08	215.5	6.65	210.4	6.46	201.4	6.03	191.4	5.62
		91.2	241.0	7.49	227.0	7.08	215.5	6.65	210.4	6.46	201.4	6.03	191.4	5.62
	95	24.4	241.0	7.14	227.0	6.70	215.5	6.08	210.4	5.83	201.4	5.67	191.4	5.21
		35.6	241.0	7.08	227.0	6.65	215.5	6.03	210.4	5.83	201.4	5.62	191.4	5.21
		60.8	241.0	6.87	227.0	6.46	215.5	5.83	210.4	5.83	201.4	5.40	191.4	5.21
		76.0	241.0	6.87	227.0	6.24	215.5	5.83	210.4	5.62	201.4	5.40	191.4	5.00
		91.2	241.0	6.87	227.0	6.14	215.5	5.83	210.4	5.51	201.4	5.40	191.4	4.89
	104	24.4	241.0	6.76	227.0	6.08	215.5	5.40	210.4	5.45	201.4	5.00	191.4	4.83
		35.6	241.0	6.65	227.0	6.03	215.5	5.40	210.4	5.40	201.4	5.00	191.4	4.78
		60.8	241.0	6.24	227.0	5.83	215.5	5.40	210.4	5.21	201.4	5.00	191.4	4.59
		76.0	241.0	6.24	227.0	5.83	215.5	5.21	210.4	5.21	201.4	5.00	191.4	4.59
		91.2	241.0	6.24	227.0	5.83	215.5	5.11	210.4	5.21	201.4	5.00	191.4	4.59
	113	24.4	241.0	6.40	227.0	5.45	215.5	4.73	210.4	5.10	201.4	4.32	191.4	4.47
		35.6	241.0	6.24	227.0	5.40	215.5	4.78	210.4	5.00	201.4	4.37	191.4	4.37
		60.8	241.0	5.62	227.0	5.21	215.5	5.00	210.4	4.59	201.4	4.59	191.4	3.96
		76.0	241.0	5.62	227.0	5.40	215.5	4.59	210.4	4.78	201.4	4.59	191.4	4.16
		91.2	241.0	5.62	227.0	5.50	215.5	4.38	210.4	4.88	201.4	4.59	191.4	4.25

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM240DAS5

240,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
70	23	24.4	84.2	7.52	79.1	7.16	74.8	6.93	74.0	6.53	73.5	6.30	72.4	5.73
		35.6	87.1	7.69	81.8	7.32	77.3	7.08	76.6	6.67	76.1	6.44	74.8	5.86
		60.8	98.6	8.33	92.6	7.94	87.3	7.69	86.6	7.23	86.1	6.98	84.6	6.35
		76.0	109.1	9.00	102.3	8.57	96.6	8.29	95.8	7.79	95.1	7.54	93.3	6.85
		91.2	114.4	9.34	107.3	8.88	101.3	8.59	100.5	8.08	99.6	7.82	97.8	7.10
	32	24.4	150.8	11.01	139.3	10.50	129.4	10.15	127.1	9.55	125.1	9.23	120.7	8.40
		35.6	151.6	11.05	140.1	10.53	130.1	10.18	127.9	9.58	125.9	9.26	121.4	8.42
		60.8	155.1	11.17	143.4	10.64	133.1	10.31	130.9	9.69	128.9	9.37	124.1	8.50
		76.0	157.4	11.17	145.6	10.64	135.1	10.31	132.9	9.69	130.9	9.37	126.1	8.50
		91.2	158.5	11.17	146.8	10.64	136.1	10.31	133.9	9.69	131.9	9.37	127.1	8.50
	41	24.4	208.3	12.00	197.3	11.42	187.9	11.05	183.9	10.41	175.7	10.04	167.4	9.12
		35.6	208.7	12.06	197.7	11.48	187.9	11.11	183.9	10.46	175.7	10.10	167.4	9.17
		60.8	210.4	12.29	199.2	11.71	188.2	11.35	183.9	10.66	175.7	10.31	167.4	9.37
		76.0	210.4	12.38	198.9	11.80	188.2	11.43	183.9	10.74	175.7	10.38	167.4	9.43
		91.2	210.4	12.42	198.8	11.84	188.2	11.48	183.9	10.79	175.7	10.41	167.4	9.46
	50	24.4	209.2	11.05	198.0	10.44	188.2	10.05	183.9	9.49	175.7	9.11	167.4	8.33
		35.6	209.4	11.02	198.2	10.42	188.2	10.03	183.9	9.49	175.7	9.11	167.4	8.33
		60.8	210.4	10.94	198.9	10.33	188.2	9.95	183.9	9.49	175.7	9.11	167.4	8.33
		76.0	210.4	10.98	198.9	10.38	188.2	9.99	183.9	9.54	175.7	9.04	167.4	8.35
		91.2	210.4	11.00	198.9	10.40	188.2	10.01	183.9	9.56	175.7	9.01	167.4	8.36
	59	24.4	210.4	10.09	198.9	9.47	188.2	9.07	183.9	8.57	175.7	8.17	167.4	7.55
		35.6	210.4	9.99	198.9	9.37	188.2	8.96	183.9	8.53	175.7	8.12	167.4	7.49
		60.8	210.4	9.58	198.9	8.96	188.2	8.53	183.9	8.33	175.7	7.90	167.4	7.28
		76.0	210.4	9.58	198.9	8.96	188.2	8.53	183.9	8.33	175.7	7.71	167.4	7.28
		91.2	210.4	9.58	198.9	8.96	188.2	8.53	183.9	8.33	175.7	7.61	167.4	7.28
	68	24.4	210.4	8.39	198.9	7.95	188.2	7.76	183.9	7.55	175.7	7.14	167.4	6.70
		35.6	210.4	8.33	198.9	7.90	188.2	7.71	183.9	7.49	175.7	7.08	167.4	6.65
		60.8	210.4	8.12	198.9	7.71	188.2	7.49	183.9	7.28	175.7	6.87	167.4	6.46
		76.0	210.4	8.12	198.9	7.71	188.2	7.49	183.9	7.08	175.7	6.87	167.4	6.24
		91.2	210.4	8.12	198.9	7.71	188.2	7.49	183.9	6.99	175.7	6.87	167.4	6.14
	77	24.4	210.4	7.55	198.9	7.14	188.2	6.70	183.9	6.51	175.7	6.03	167.4	5.62
		35.6	210.4	7.49	198.9	7.08	188.2	6.65	183.9	6.46	175.7	6.03	167.4	5.62
		60.8	210.4	7.28	198.9	6.87	188.2	6.46	183.9	6.24	175.7	6.03	167.4	5.62
		76.0	210.4	7.08	198.9	6.65	188.2	6.46	183.9	6.24	175.7	5.83	167.4	5.62
		91.2	210.4	6.99	198.9	6.54	188.2	6.46	183.9	6.24	175.7	5.74	167.4	5.62
	86	24.4	210.4	6.70	198.9	6.30	188.2	5.89	183.9	5.62	175.7	5.45	167.4	5.00
		35.6	210.4	6.65	198.9	6.24	188.2	5.83	183.9	5.62	175.7	5.40	167.4	5.00
		60.8	210.4	6.46	198.9	6.03	188.2	5.62	183.9	5.62	175.7	5.21	167.4	5.00
		76.0	210.4	6.46	198.9	6.03	188.2	5.62	183.9	5.40	175.7	5.21	167.4	5.00
		91.2	210.4	6.46	198.9	6.03	188.2	5.62	183.9	5.30	175.7	5.21	167.4	5.00
	95	24.4	210.4	6.08	198.9	5.67	188.2	5.21	183.9	5.26	175.7	4.78	167.4	4.64
		35.6	210.4	6.03	198.9	5.62	188.2	5.21	183.9	5.21	175.7	4.78	167.4	4.59
		60.8	210.4	5.83	198.9	5.40	188.2	5.21	183.9	5.00	175.7	4.78	167.4	4.37
		76.0	210.4	5.83	198.9	5.40	188.2	5.00	183.9	5.00	175.7	4.78	167.4	4.37
		91.2	210.4	5.83	198.9	5.40	188.2	4.89	183.9	5.00	175.7	4.78	167.4	4.37
	104	24.4	210.4	5.67	198.9	5.26	188.2	4.83	183.9	4.59	175.7	4.37	167.4	4.20
		35.6	210.4	5.62	198.9	5.21	188.2	4.78	183.9	4.59	175.7	4.37	167.4	4.16
		60.8	210.4	5.40	198.9	5.00	188.2	4.59	183.9	4.59	175.7	4.37	167.4	3.96
		76.0	210.4	5.40	198.9	5.00	188.2	4.59	183.9	4.37	175.7	4.16	167.4	3.96
		91.2	210.4	5.40	198.9	5.00	188.2	4.59	183.9	4.26	175.7	4.05	167.4	3.96
	113	24.4	210.4	5.26	198.9	4.83	188.2	4.47	183.9	3.91	175.7	3.96	167.4	3.80
		35.6	210.4	5.21	198.9	4.78	188.2	4.37	183.9	3.96	175.7	3.96	167.4	3.75
		60.8	210.4	5.00	198.9	4.59	188.2	3.96	183.9	4.16	175.7	3.96	167.4	3.53
		76.0	210.4	5.00	198.9	4.59	188.2	4.16	183.9	3.75	175.7	3.53	167.4	3.53
		91.2	210.4	5.00	198.9	4.59	188.2	4.25	183.9	3.54	175.7	3.31	167.4	3.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
60	23	24.4	72.3	6.11	67.7	5.88	64.1	5.65	63.3	5.25	63.1	5.16	61.9	4.61
		35.6	74.8	6.24	70.1	6.01	66.3	5.77	65.6	5.36	65.3	5.27	64.1	4.72
		60.8	84.8	6.78	79.3	6.52	75.1	6.27	74.3	5.81	74.1	5.73	72.6	5.12
		76.0	93.6	7.30	87.6	7.04	83.1	6.76	82.1	6.29	81.8	6.18	80.1	5.51
		91.2	98.0	7.56	91.7	7.30	87.1	7.01	86.0	6.53	85.7	6.41	83.9	5.71
	32	24.4	129.4	8.95	119.2	8.63	111.2	8.26	109.0	7.69	107.5	7.58	103.5	6.77
		35.6	130.1	8.98	119.9	8.66	111.9	8.29	109.6	7.71	108.1	7.60	104.1	6.78
		60.8	133.1	9.09	122.6	8.74	114.6	8.40	112.1	7.79	110.6	7.69	106.3	6.85
		76.0	135.1	9.09	124.6	8.74	116.4	8.40	113.9	7.79	112.4	7.69	108.1	6.85
		91.2	136.1	9.09	125.6	8.74	117.2	8.40	114.7	7.79	113.2	7.69	109.0	6.85
	41	24.4	178.8	9.75	168.6	9.38	161.7	8.99	157.6	8.37	150.9	8.25	143.6	7.35
		35.6	179.2	9.80	168.9	9.43	161.7	9.04	157.6	8.42	150.9	8.29	143.6	7.38
		60.8	180.7	9.99	170.2	9.62	161.7	9.24	157.6	8.59	150.9	8.46	143.6	7.54
		76.0	180.7	10.08	169.9	9.69	161.7	9.30	157.6	8.66	150.9	8.50	143.6	7.60
		91.2	180.7	10.12	169.8	9.72	161.7	9.33	157.6	8.69	150.9	8.53	143.6	7.63
	50	24.4	179.7	8.96	169.2	8.57	161.7	8.16	157.6	7.62	150.9	7.48	143.6	6.70
		35.6	179.9	8.96	169.4	8.57	161.7	8.16	157.6	7.64	150.9	7.47	143.6	6.72
		60.8	180.7	8.96	170.2	8.57	161.7	8.16	157.6	7.73	150.9	7.45	143.6	6.78
		76.0	180.7	8.98	169.9	8.48	161.7	8.07	157.6	7.64	150.9	7.38	143.6	6.72
		91.2	180.7	8.99	169.8	8.44	161.7	8.03	157.6	7.60	150.9	7.35	143.6	6.68
	59	24.4	180.7	8.17	169.9	7.76	161.7	7.33	157.6	6.87	150.9	6.70	143.6	6.03
		35.6	180.7	8.12	169.9	7.71	161.7	7.28	157.6	6.87	150.9	6.65	143.6	6.03
		60.8	180.7	7.90	169.9	7.49	161.7	7.08	157.6	6.87	150.9	6.46	143.6	6.03
		76.0	180.7	7.90	169.9	7.28	161.7	6.87	157.6	6.65	150.9	6.24	143.6	5.83
		91.2	180.7	7.90	169.9	7.17	161.7	6.76	157.6	6.54	150.9	6.14	143.6	5.74
	68	24.4	180.7	7.14	169.9	6.70	161.7	6.30	157.6	6.08	150.9	5.89	143.6	5.45
		35.6	180.7	7.08	169.9	6.65	161.7	6.24	157.6	6.03	150.9	5.83	143.6	5.40
		60.8	180.7	6.87	169.9	6.46	161.7	6.03	157.6	5.83	150.9	5.62	143.6	5.21
		76.0	180.7	6.87	169.9	6.46	161.7	6.03	157.6	5.83	150.9	5.62	143.6	5.21
		91.2	180.7	6.87	169.9	6.46	161.7	6.03	157.6	5.83	150.9	5.62	143.6	5.21
	77	24.4	180.7	6.30	169.9	5.89	161.7	5.40	157.6	5.45	150.9	5.00	143.6	4.83
		35.6	180.7	6.24	169.9	5.83	161.7	5.40	157.6	5.40	150.9	5.00	143.6	4.78
		60.8	180.7	6.03	169.9	5.62	161.7	5.40	157.6	5.21	150.9	5.00	143.6	4.59
		76.0	180.7	6.03	169.9	5.62	161.7	5.21	157.6	5.21	150.9	5.00	143.6	4.59
		91.2	180.7	6.03	169.9	5.62	161.7	5.11	157.6	5.21	150.9	5.00	143.6	4.59
	86	24.4	180.7	5.67	169.9	5.26	161.7	5.05	157.6	4.83	150.9	4.64	143.6	4.43
		35.6	180.7	5.62	169.9	5.21	161.7	5.00	157.6	4.78	150.9	4.59	143.6	4.37
		60.8	180.7	5.40	169.9	5.00	161.7	4.78	157.6	4.59	150.9	4.37	143.6	4.16
		76.0	180.7	5.40	169.9	5.00	161.7	4.78	157.6	4.59	150.9	4.37	143.6	4.16
		91.2	180.7	5.40	169.9	5.00	161.7	4.78	157.6	4.59	150.9	4.37	143.6	4.16
	95	24.4	180.7	5.00	169.9	4.83	161.7	4.37	157.6	4.43	150.9	4.20	143.6	4.02
		35.6	180.7	5.00	169.9	4.78	161.7	4.37	157.6	4.37	150.9	4.16	143.6	3.96
		60.8	180.7	5.00	169.9	4.59	161.7	4.37	157.6	4.16	150.9	3.96	143.6	3.75
		76.0	180.7	5.00	169.9	4.59	161.7	4.16	157.6	4.16	150.9	3.96	143.6	3.75
		91.2	180.7	5.00	169.9	4.59	161.7	4.05	157.6	4.16	150.9	3.96	143.6	3.75
	104	24.4	180.7	4.59	169.9	4.43	161.7	3.96	157.6	4.02	150.9	3.80	143.6	3.53
		35.6	180.7	4.59	169.9	4.37	161.7	3.96	157.6	3.96	150.9	3.75	143.6	3.53
		60.8	180.7	4.59	169.9	4.16	161.7	3.96	157.6	3.75	150.9	3.53	143.6	3.53
		76.0	180.7	4.59	169.9	4.16	161.7	3.96	157.6	3.75	150.9	3.53	143.6	3.53
		91.2	180.7	4.59	169.9	4.16	161.7	3.96	157.6	3.75	150.9	3.53	143.6	3.53
	113	24.4	180.7	4.16	169.9	4.02	161.7	3.53	157.6	3.58	150.9	3.39	143.6	3.07
		35.6	180.7	4.16	169.9	3.96	161.7	3.53	157.6	3.53	150.9	3.34	143.6	3.12
		60.8	180.7	4.16	169.9	3.75	161.7	3.53	157.6	3.34	150.9	3.12	143.6	3.34
		76.0	180.7	4.16	169.9	3.75	161.7	3.75	157.6	3.34	150.9	3.12	143.6	3.34
		91.2	180.7	4.16	169.9	3.75	161.7	3.85	157.6	3.34	150.9	3.12	143.6	3.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM240DAS5

240,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet water Temp. (°F)	Water flow rate [gpm]	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]	TC [MBh]	PI [kW]
50	23	24.4	60.3	4.87	56.7	4.61	53.5	4.36	52.7	4.13	52.5	3.87	51.5	3.67
		35.6	62.3	4.97	58.6	4.72	55.3	4.46	54.6	4.22	54.3	3.96	53.3	3.75
		60.8	70.3	5.38	66.1	5.12	62.6	4.82	61.8	4.59	61.6	4.31	60.3	4.05
		76.0	77.8	5.81	73.1	5.51	69.1	5.21	68.3	4.95	67.8	4.63	66.8	4.37
		91.2	81.6	6.03	76.6	5.71	72.3	5.41	71.6	5.14	71.0	4.79	70.1	4.53
	32	24.4	107.5	7.13	99.5	6.77	92.5	6.37	90.5	6.05	89.3	5.69	86.1	5.37
		35.6	108.1	7.15	100.1	6.78	93.1	6.39	91.1	6.07	89.8	5.71	86.6	5.38
		60.8	110.6	7.21	102.3	6.85	95.3	6.48	93.3	6.16	92.1	5.77	88.6	5.45
		76.0	112.4	7.21	103.8	6.85	96.6	6.48	94.8	6.16	93.3	5.77	90.1	5.45
		91.2	113.2	7.21	104.6	6.85	97.2	6.48	95.6	6.16	94.0	5.77	90.8	5.45
	41	24.4	148.6	7.76	140.9	7.35	134.3	6.94	131.1	6.60	125.4	6.20	119.6	5.82
		35.6	148.9	7.79	141.1	7.38	134.4	6.98	131.1	6.63	125.4	6.22	119.6	5.86
		60.8	150.1	7.94	142.1	7.54	134.6	7.13	131.1	6.76	125.4	6.33	119.6	5.99
		76.0	150.1	8.01	141.9	7.60	134.6	7.17	131.1	6.80	125.4	6.39	119.6	6.03
		91.2	150.1	8.04	141.8	7.63	134.6	7.19	131.1	6.83	125.4	6.43	119.6	6.05
	50	24.4	149.5	7.14	141.2	6.72	134.3	6.32	131.1	6.04	125.4	5.58	119.6	5.33
		35.6	149.6	7.13	141.4	6.72	134.4	6.31	131.1	6.03	125.4	5.60	119.6	5.32
		60.8	150.1	7.08	142.1	6.70	134.6	6.27	131.1	5.99	125.4	5.66	119.6	5.27
		76.0	150.1	7.13	141.9	6.72	134.6	6.29	131.1	6.01	125.4	5.58	119.6	5.30
		91.2	150.1	7.15	141.8	6.73	134.6	6.30	131.1	6.02	125.4	5.53	119.6	5.31
	59	24.4	150.1	6.51	141.9	6.08	134.6	5.67	131.1	5.45	125.4	5.00	119.6	4.83
		35.6	150.1	6.46	141.9	6.03	134.6	5.62	131.1	5.40	125.4	5.00	119.6	4.78
		60.8	150.1	6.24	141.9	5.83	134.6	5.40	131.1	5.21	125.4	5.00	119.6	4.59
		76.0	150.1	6.24	141.9	5.83	134.6	5.40	131.1	5.21	125.4	4.78	119.6	4.59
		91.2	150.1	6.24	141.9	5.83	134.6	5.40	131.1	5.21	125.4	4.67	119.6	4.59
	68	24.4	150.1	5.67	141.9	5.26	134.6	5.05	131.1	4.83	125.4	4.64	119.6	4.16
		35.6	150.1	5.62	141.9	5.21	134.6	5.00	131.1	4.78	125.4	4.59	119.6	4.16
		60.8	150.1	5.40	141.9	5.00	134.6	4.78	131.1	4.59	125.4	4.37	119.6	4.16
		76.0	150.1	5.40	141.9	5.00	134.6	4.78	131.1	4.59	125.4	4.37	119.6	4.16
		91.2	150.1	5.40	141.9	5.00	134.6	4.78	131.1	4.59	125.4	4.37	119.6	4.16
	77	24.4	150.1	5.05	141.9	4.59	134.6	4.43	131.1	4.16	125.4	3.96	119.6	3.75
		35.6	150.1	5.00	141.9	4.59	134.6	4.37	131.1	4.16	125.4	3.96	119.6	3.75
		60.8	150.1	4.78	141.9	4.59	134.6	4.16	131.1	4.16	125.4	3.96	119.6	3.75
		76.0	150.1	4.78	141.9	4.59	134.6	4.16	131.1	4.16	125.4	3.96	119.6	3.75
		91.2	150.1	4.78	141.9	4.59	134.6	4.16	131.1	4.16	125.4	3.96	119.6	3.75
	86	24.4	150.1	4.64	141.9	4.20	134.6	4.02	131.1	3.75	125.4	3.80	119.6	3.58
		35.6	150.1	4.59	141.9	4.16	134.6	3.96	131.1	3.75	125.4	3.75	119.6	3.53
		60.8	150.1	4.37	141.9	3.96	134.6	3.75	131.1	3.75	125.4	3.53	119.6	3.34
		76.0	150.1	4.37	141.9	3.96	134.6	3.75	131.1	3.75	125.4	3.53	119.6	3.34
		91.2	150.1	4.37	141.9	3.96	134.6	3.75	131.1	3.75	125.4	3.53	119.6	3.34
	95	24.4	150.1	4.20	141.9	3.75	134.6	3.53	131.1	3.58	125.4	3.34	119.6	3.12
		35.6	150.1	4.16	141.9	3.75	134.6	3.53	131.1	3.53	125.4	3.34	119.6	3.12
		60.8	150.1	3.96	141.9	3.75	134.6	3.53	131.1	3.34	125.4	3.34	119.6	3.12
		76.0	150.1	3.96	141.9	3.75	134.6	3.53	131.1	3.34	125.4	3.34	119.6	3.12
		91.2	150.1	3.96	141.9	3.75	134.6	3.53	131.1	3.34	125.4	3.34	119.6	3.12
	104	24.4	150.1	3.80	141.9	3.58	134.6	3.39	131.1	3.12	125.4	3.18	119.6	2.91
		35.6	150.1	3.75	141.9	3.53	134.6	3.34	131.1	3.12	125.4	3.12	119.6	2.91
		60.8	150.1	3.53	141.9	3.34	134.6	3.12	131.1	3.12	125.4	2.91	119.6	2.91
		76.0	150.1	3.53	141.9	3.34	134.6	3.12	131.1	3.12	125.4	2.91	119.6	2.91
		91.2	150.1	3.53	141.9	3.34	134.6	3.12	131.1	3.12	125.4	2.91	119.6	2.91
	113	24.4	150.1	3.39	141.9	3.45	134.6	3.23	131.1	2.66	125.4	3.01	119.6	2.71
		35.6	150.1	3.34	141.9	3.34	134.6	3.12	131.1	2.71	125.4	2.91	119.6	2.71
		60.8	150.1	3.12	141.9	2.91	134.6	2.71	131.1	2.91	125.4	2.50	119.6	2.71
		76.0	150.1	3.12	141.9	2.91	134.6	2.71	131.1	2.91	125.4	2.50	119.6	2.71
		91.2	150.1	3.12	141.9	2.91	134.6	2.71	131.1	2.91	125.4	2.50	119.6	2.71

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	26.4	140.5	15.02	139.5	14.14	138.6	13.17	136.8	12.78	138.4	12.44	134.6	11.16
		35.6	145.3	15.28	144.2	14.42	143.4	13.45	141.5	13.06	143.1	12.71	139.2	11.40
		65.9	164.4	16.32	163.0	15.51	162.2	14.59	160.0	14.17	161.9	13.77	157.8	12.36
		82.4	181.8	17.36	180.1	16.57	179.0	15.73	176.8	15.31	179.0	14.86	174.3	13.33
	32	98.9	201.5	18.54	199.5	17.77	198.1	17.02	195.9	16.60	198.4	16.10	193.0	14.43
		26.4	251.0	20.54	245.3	19.93	240.1	19.28	234.8	18.74	235.7	18.23	224.9	16.32
		35.6	252.5	20.60	246.7	19.98	241.5	19.34	236.2	18.79	237.0	18.28	226.3	16.37
		65.9	258.6	20.82	252.2	20.18	247.0	19.56	241.7	19.02	242.6	18.47	231.8	16.57
	41	82.4	262.5	20.82	256.1	20.18	250.9	19.56	245.3	19.02	246.2	18.47	235.1	16.57
		98.9	266.9	20.82	260.5	20.18	255.3	19.56	249.4	19.02	250.3	18.47	238.8	16.57
		26.4	361.5	22.08	356.0	21.54	348.6	20.99	339.8	20.39	330.7	19.83	312.5	17.76
		35.6	362.8	22.18	356.7	21.64	348.7	21.09	339.8	20.50	330.7	19.93	312.5	17.85
	50	65.9	367.7	22.58	359.2	22.03	348.9	21.51	339.8	20.92	330.7	20.33	312.5	18.23
		82.4	369.9	22.73	360.3	22.18	348.9	21.66	339.8	21.07	330.7	20.48	312.5	18.35
		98.9	372.4	22.90	361.5	22.35	348.9	21.83	339.8	21.24	330.7	20.65	312.5	18.49
	59	26.4	362.0	20.09	356.1	19.42	347.5	19.05	338.4	18.63	329.4	17.99	311.2	16.24
		35.6	364.1	20.06	357.8	19.44	348.9	19.09	339.8	18.62	330.7	17.98	312.5	16.22
		65.9	372.7	19.91	364.4	19.51	354.5	19.24	345.3	18.60	335.7	17.93	317.4	16.17
		82.4	374.6	20.18	366.9	19.78	356.7	19.31	347.0	18.67	337.9	18.23	319.4	16.94
	68	98.9	376.8	20.49	369.7	20.09	359.2	19.39	348.9	18.75	340.4	18.57	321.7	17.81
		26.4	362.5	18.11	356.2	17.34	346.1	17.15	337.0	16.87	328.2	16.15	310.0	14.72
		35.6	365.5	17.93	358.9	17.26	348.9	17.11	339.8	16.74	330.7	16.02	312.5	14.59
		65.9	377.4	17.21	369.7	16.96	360.0	16.96	350.9	16.25	340.7	15.53	322.4	14.10
	77	82.4	379.3	17.63	373.3	17.36	364.4	16.96	354.5	16.25	345.3	15.98	326.3	15.53
		98.9	381.5	18.11	377.4	17.81	369.4	16.96	358.6	16.25	350.5	16.49	330.7	17.15
	86	26.4	376.3	16.61	369.4	15.84	359.7	15.49	349.7	15.00	339.6	14.66	319.4	14.21
		35.6	379.3	16.49	372.4	15.83	362.5	15.48	352.5	15.06	342.6	14.76	322.4	14.10
		65.9	391.2	16.02	384.3	15.78	373.5	15.43	363.6	15.31	354.5	15.16	334.3	13.63
		82.4	392.9	16.02	387.1	15.78	377.9	15.53	367.2	15.31	357.2	15.16	337.1	14.49
	95	98.9	394.8	16.02	390.3	15.78	382.9	15.64	371.3	15.31	360.3	15.16	340.3	15.47
		26.4	397.3	15.84	387.1	15.38	377.9	15.12	370.8	14.87	362.5	14.65	341.8	13.69
		35.6	397.3	15.78	387.1	15.36	377.9	15.06	370.8	14.81	362.5	14.59	341.8	13.63
		65.9	397.3	15.53	387.1	15.26	377.9	14.81	370.8	14.59	362.5	14.34	341.8	13.38
	104	82.4	397.3	15.31	387.1	14.86	377.9	14.59	370.8	14.34	362.5	14.10	341.8	13.16
		98.9	397.3	15.06	387.1	14.41	377.9	14.34	370.8	14.06	362.5	13.83	341.8	12.91
	113	26.4	397.3	15.43	387.1	14.66	377.9	14.53	370.8	14.15	362.5	14.00	341.8	13.03
		35.6	397.3	15.31	387.1	14.64	377.9	14.44	370.8	14.10	362.5	13.87	341.8	12.91
		65.9	397.3	14.81	387.1	14.54	377.9	14.10	370.8	13.87	362.5	13.38	341.8	12.44
		82.4	397.3	14.59	387.1	14.15	377.9	13.87	370.8	13.63	362.5	13.38	341.8	12.44
	122	98.9	397.3	14.34	387.1	13.71	377.9	13.61	370.8	13.36	362.5	13.38	341.8	12.44
		26.4	397.3	14.72	387.1	14.23	377.9	13.94	370.8	13.43	362.5	12.97	341.8	12.06
		35.6	397.3	14.59	387.1	14.15	377.9	13.87	370.8	13.38	362.5	12.91	341.8	11.94
		65.9	397.3	14.10	387.1	13.82	377.9	13.63	370.8	13.16	362.5	12.66	341.8	11.47
	131	82.4	397.3	14.10	387.1	13.68	377.9	13.38	370.8	12.91	362.5	12.44	341.8	11.47
		98.9	397.3	14.10	387.1	13.52	377.9	13.10	370.8	12.63	362.5	12.19	341.8	11.47
	140	26.4	397.3	14.21	387.1	13.76	377.9	13.50	370.8	13.03	362.5	12.56	341.8	11.35
		35.6	397.3	14.10	387.1	13.68	377.9	13.38	370.8	12.91	362.5	12.44	341.8	11.23
		65.9	397.3	13.63	387.1	13.33	377.9	12.91	370.8	12.44	362.5	11.94	341.8	10.76
		82.4	397.3	13.38	387.1	13.11	377.9	12.91	370.8	12.44	362.5	11.94	341.8	10.76
	149	98.9	397.3	13.10	387.1	12.86	377.9	12.91	370.8	12.44	362.5	11.94	341.8	10.76
		26.4	397.3	13.74	387.1	13.29	377.9	13.09	370.8	12.62	362.5	12.13	341.8	10.63
		35.6	397.3	13.63	387.1	13.21	377.9	12.91	370.8	12.44	362.5	11.94	341.8	10.51
		65.9	397.3	13.16	387.1	12.86	377.9	12.19	370.8	11.72	362.5	11.23	341.8	10.04
	158	82.4	397.3	12.66	387.1	12.54	377.9	12.44	370.8	11.94	362.5	11.47	341.8	10.04
		98.9	397.3	12.09	387.1	12.18	377.9	12.72	370.8	12.19	362.5	11.74	341.8	10.04

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA

ARWM264DAS5



264,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	26.4	133.5	15.02	132.5	14.14	131.7	13.17	130.1	12.61	131.1	12.24	127.7	10.96
		35.6	138.1	15.28	137.0	14.42	136.2	13.45	134.5	12.88	135.7	12.51	132.1	11.20
		65.9	156.4	16.32	155.0	15.51	154.2	14.59	152.2	13.97	153.6	13.58	149.5	12.17
		82.4	172.7	17.36	171.3	16.57	170.2	15.73	168.3	15.09	169.6	14.64	164.9	13.11
	32	98.9	191.2	18.54	189.8	17.77	188.3	17.02	186.6	16.36	187.7	15.84	182.4	14.18
		26.4	238.7	20.54	232.9	19.93	227.9	19.28	223.3	18.47	223.3	17.95	213.1	16.05
		35.6	240.1	20.60	234.3	19.98	229.3	19.34	224.6	18.52	224.6	18.00	214.4	16.10
		65.9	245.6	20.82	239.8	20.18	234.8	19.56	229.9	18.75	229.9	18.20	219.6	16.30
		82.4	249.5	20.82	243.7	20.18	238.4	19.56	233.5	18.75	233.2	18.20	223.0	16.30
	41	98.9	253.9	20.82	248.1	20.18	242.5	19.56	237.6	18.75	236.9	18.20	226.9	16.30
		26.4	344.1	22.08	338.9	21.54	331.5	20.99	323.5	20.10	313.3	19.54	296.2	17.50
		35.6	345.3	22.18	339.5	21.64	331.5	21.09	323.5	20.20	313.3	19.64	296.2	17.58
		65.9	350.3	22.58	342.0	22.03	331.5	21.51	323.5	20.62	313.3	20.03	296.2	17.93
		82.4	352.3	22.73	340.1	22.18	331.5	21.66	323.5	20.77	313.3	20.18	296.2	18.05
	50	98.9	354.6	22.90	337.9	22.35	331.5	21.83	323.5	20.94	313.3	20.35	296.2	18.19
		26.4	345.4	19.84	339.0	19.29	330.6	18.90	322.6	18.32	312.5	17.72	295.4	15.93
		35.6	347.0	19.91	340.4	19.36	331.5	18.97	323.5	18.35	313.3	17.71	296.2	15.95
		65.9	353.4	20.18	345.9	19.66	335.1	19.24	327.1	18.45	316.6	17.66	299.2	16.02
	59	82.4	355.3	20.11	344.8	19.66	336.5	19.31	328.5	18.52	318.0	17.73	300.6	16.57
		98.9	357.5	20.03	343.6	19.66	338.1	19.39	330.1	18.60	319.6	17.81	302.2	17.19
		26.4	346.4	17.59	339.4	17.08	329.7	16.81	321.7	16.56	311.7	15.90	294.6	14.41
		35.6	348.4	17.63	341.5	17.11	331.5	16.84	323.5	16.49	313.3	15.78	296.2	14.34
	68	65.9	356.4	17.78	349.8	17.26	339.0	16.96	330.7	16.25	319.7	15.31	302.5	14.10
		82.4	358.3	17.51	349.5	17.11	341.8	16.96	333.5	16.25	322.4	15.31	305.3	15.06
		98.9	360.5	17.20	349.2	16.94	345.0	16.96	336.7	16.25	325.5	15.31	308.5	16.15
		26.4	356.0	15.83	349.3	15.15	338.8	14.75	329.4	14.53	318.7	14.36	301.5	13.63
	77	35.6	358.3	15.83	351.4	15.21	340.7	14.81	331.5	14.59	320.8	14.34	303.4	13.58
		65.9	367.5	15.83	359.7	15.43	348.1	15.06	339.8	14.81	328.8	14.29	310.5	13.38
		82.4	369.1	15.68	359.4	15.31	350.9	15.06	341.8	14.81	330.7	14.34	312.5	13.87
		98.9	370.9	15.51	359.1	15.17	354.1	15.06	344.1	14.81	332.9	14.40	314.8	14.43
	86	26.4	373.3	14.97	362.5	14.27	350.9	14.00	343.4	13.69	334.3	13.43	316.1	12.50
		35.6	373.5	14.91	362.5	14.24	350.9	13.97	343.4	13.63	334.3	13.38	316.1	12.44
		65.9	374.4	14.69	362.5	14.15	350.9	13.87	343.4	13.38	334.3	13.16	316.1	12.19
		82.4	375.5	14.15	362.5	13.77	350.9	13.63	343.4	13.38	334.3	12.91	316.1	12.19
	95	98.9	376.7	13.54	362.5	13.34	350.9	13.36	343.4	13.38	334.3	12.63	316.1	12.19
		26.4	375.5	14.31	362.5	13.61	350.9	13.22	343.4	12.72	334.3	12.56	316.1	11.54
		35.6	375.5	14.19	362.5	13.53	350.9	13.16	343.4	12.66	334.3	12.44	316.1	11.47
		65.9	375.5	13.72	362.5	13.21	350.9	12.91	343.4	12.44	334.3	11.94	316.1	11.23
	104	82.4	375.5	13.28	362.5	12.91	350.9	12.66	343.4	12.44	334.3	11.94	316.1	11.00
		98.9	375.5	12.78	362.5	12.57	350.9	12.38	343.4	12.44	334.3	11.94	316.1	10.74
		26.4	375.5	13.67	362.5	12.93	350.9	12.56	343.4	12.06	334.3	11.59	316.1	10.57
		35.6	375.5	13.48	362.5	12.81	350.9	12.44	343.4	11.94	334.3	11.47	316.1	10.51
	113	65.9	375.5	12.71	362.5	12.34	350.9	11.94	343.4	11.47	334.3	11.00	316.1	10.29
		82.4	375.5	12.56	362.5	12.24	350.9	11.94	343.4	11.47	334.3	11.00	316.1	10.04
		98.9	375.5	12.39	362.5	12.13	350.9	11.94	343.4	11.47	334.3	11.00	316.1	9.76
		26.4	375.5	13.26	362.5	12.34	350.9	11.85	343.4	11.35	334.3	10.88	316.1	9.85
		35.6	375.5	13.01	362.5	12.19	350.9	11.72	343.4	11.23	334.3	10.76	316.1	9.79
		65.9	375.5	11.99	362.5	11.62	350.9	11.23	343.4	10.76	334.3	10.29	316.1	9.57
		82.4	375.5	11.85	362.5	11.47	350.9	11.23	343.4	10.76	334.3	10.29	316.1	9.32
		98.9	375.5	11.69	362.5	11.30	350.9	11.23	343.4	10.76	334.3	10.29	316.1	9.04
		26.4	375.5	12.86	362.5	11.74	350.9	11.13	343.4	10.63	334.3	10.16	316.1	9.13
		35.6	375.5	12.54	362.5	11.57	350.9	11.00	343.4	10.51	334.3	10.04	316.1	9.08
		65.9	375.5	11.28	362.5	10.91	350.9	10.51	343.4	10.04	334.3	9.57	316.1	8.85
		82.4	375.5	11.13	362.5	10.71	350.9	10.51	343.4	10.04	334.3	9.57	316.1	8.61
		98.9	375.5	10.96	362.5	10.48	350.9	10.51	343.4	10.04	334.3	9.57	316.1	8.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	26.4	126.4	15.22	125.5	14.14	124.7	13.17	123.4	12.61	123.7	12.24	121.0	10.96
		35.6	130.7	15.48	129.9	14.42	129.0	13.45	127.6	12.88	127.9	12.51	125.2	11.20
		65.9	147.8	16.52	147.0	15.51	146.2	14.59	144.5	13.97	144.5	13.58	141.7	12.17
		82.4	163.3	17.58	162.2	16.57	161.3	15.73	159.7	15.09	159.7	14.64	156.4	13.11
	32	98.9	180.9	18.78	179.4	17.77	178.4	17.02	176.9	16.36	176.9	15.84	173.1	14.18
		26.4	225.8	20.82	220.8	19.93	216.2	19.28	212.0	18.47	210.1	17.95	202.2	16.05
		35.6	227.1	20.87	222.1	19.98	217.4	19.34	213.3	18.52	211.4	18.00	203.3	16.10
		65.9	232.4	21.07	227.4	20.18	222.4	19.56	218.3	18.75	216.3	18.20	208.0	16.30
	41	82.4	235.9	21.07	231.0	20.18	226.0	19.56	221.6	18.75	219.6	18.20	211.1	16.30
		98.9	239.9	21.07	235.1	20.18	230.1	19.56	225.3	18.75	223.3	18.20	214.6	16.30
		26.4	329.3	22.38	321.5	21.54	314.1	20.99	306.9	20.10	295.1	19.54	280.7	17.50
		35.6	330.4	22.48	322.1	21.64	314.1	21.09	306.9	20.20	295.1	19.64	280.7	17.58
	50	65.9	334.9	22.87	324.6	22.03	314.4	21.51	306.9	20.62	295.1	20.03	280.7	17.93
		82.4	336.8	23.02	325.5	22.18	314.4	21.66	306.9	20.77	295.1	20.18	280.7	18.05
		98.9	339.0	23.19	326.5	22.35	314.4	21.83	306.9	20.94	295.1	20.35	280.7	18.19
	59	26.4	330.6	20.07	322.4	19.38	313.6	18.96	306.5	18.32	294.6	17.72	280.4	15.93
		35.6	331.8	20.11	323.2	19.44	314.1	19.02	306.9	18.35	295.1	17.71	280.7	15.95
		65.9	336.8	20.25	326.6	19.66	316.1	19.24	308.9	18.45	297.0	17.66	282.1	16.02
		82.4	338.7	20.25	327.9	19.66	317.2	19.19	309.4	18.40	297.6	17.73	282.9	16.20
	68	98.9	340.9	20.25	329.4	19.66	318.4	19.13	310.0	18.34	298.3	17.81	283.8	16.40
		26.4	331.5	17.76	322.9	17.26	313.5	16.96	306.0	16.56	294.1	15.90	280.0	14.41
		35.6	332.9	17.73	324.1	17.26	314.4	16.96	306.9	16.49	295.1	15.78	280.7	14.34
		65.9	338.4	17.63	328.8	17.26	318.0	16.96	310.5	16.25	298.9	15.31	283.5	14.10
	77	82.4	340.4	17.51	330.4	17.11	319.7	16.74	311.6	16.02	299.8	15.31	285.1	14.34
		98.9	342.7	17.37	332.2	16.94	321.6	16.49	312.8	15.76	300.8	15.31	286.9	14.61
	86	26.4	337.7	15.33	328.5	14.96	317.9	14.59	309.4	14.34	298.0	13.94	282.3	13.03
		35.6	339.5	15.36	329.6	14.96	318.8	14.59	310.5	14.34	298.9	13.87	283.5	13.01
		65.9	346.7	15.48	334.0	14.96	322.4	14.59	315.2	14.34	302.5	13.63	287.9	12.91
		82.4	348.7	15.48	336.8	14.96	324.4	14.59	316.1	14.10	304.2	13.63	288.7	12.91
	95	98.9	351.0	15.48	340.0	14.96	326.7	14.59	317.1	13.83	306.1	13.63	289.6	12.91
		26.4	348.2	13.95	337.9	13.43	324.4	13.22	317.2	12.72	306.1	12.25	289.8	11.23
		35.6	348.9	13.92	337.9	13.38	324.4	13.16	317.2	12.66	306.1	12.19	289.8	11.23
		65.9	351.7	13.82	337.9	13.16	324.4	12.91	317.2	12.44	306.1	11.94	289.8	11.23
	104	82.4	353.4	13.82	337.9	13.21	324.4	12.66	317.2	12.44	306.1	11.72	289.8	11.00
		98.9	355.3	13.82	337.9	13.27	324.4	12.38	317.2	12.44	306.1	11.47	289.8	10.74
		26.4	353.4	12.72	337.9	12.25	324.4	11.78	317.2	11.54	306.1	10.82	289.8	10.10
		35.6	353.4	12.66	337.9	12.19	324.4	11.72	317.2	11.47	306.1	10.76	289.8	10.04
	113	65.9	353.4	12.44	337.9	11.94	324.4	11.47	317.2	11.23	306.1	10.51	289.8	9.79
		82.4	353.4	12.34	337.9	11.72	324.4	11.23	317.2	11.00	306.1	10.51	289.8	9.79
		98.9	353.4	12.23	337.9	11.47	324.4	10.96	317.2	10.74	306.1	10.51	289.8	9.79
		26.4	353.4	12.06	337.9	11.28	324.4	10.82	317.2	10.35	306.1	9.85	289.8	9.13
	113	35.6	353.4	11.94	337.9	11.23	324.4	10.76	317.2	10.29	306.1	9.79	289.8	9.08
		65.9	353.4	11.47	337.9	11.00	324.4	10.51	317.2	10.04	306.1	9.57	289.8	8.85
		82.4	353.4	11.18	337.9	10.76	324.4	10.29	317.2	10.04	306.1	9.57	289.8	8.85
		98.9	353.4	10.85	337.9	10.49	324.4	10.04	317.2	10.04	306.1	9.57	289.8	8.85
	113	26.4	353.4	11.35	337.9	10.88	324.4	10.16	317.2	9.63	306.1	9.13	289.8	8.41
		35.6	353.4	11.23	337.9	10.76	324.4	10.04	317.2	9.57	306.1	9.08	289.8	8.36
		65.9	353.4	10.76	337.9	10.29	324.4	9.57	317.2	9.32	306.1	8.85	289.8	8.14
		82.4	353.4	10.61	337.9	10.04	324.4	9.57	317.2	9.08	306.1	8.61	289.8	7.89
	113	98.9	353.4	10.44	337.9	9.76	324.4	9.57	317.2	8.81	306.1	8.34	289.8	7.61
		26.4	353.4	10.63	337.9	10.47	324.4	9.50	317.2	8.92	306.1	8.41	289.8	7.70
		35.6	353.4	10.51	337.9	10.29	324.4	9.32	317.2	8.85	306.1	8.36	289.8	7.64
		65.9	353.4	10.04	337.9	9.57	324.4	8.61	317.2	8.61	306.1	8.14	289.8	7.42
		82.4	353.4	10.04	337.9	9.32	324.4	8.85	317.2	8.14	306.1	7.64	289.8	6.92
		98.9	353.4	10.04	337.9	9.04	324.4	9.12	317.2	7.61	306.1	7.07	289.8	6.35

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM264DAS5

264,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	23	26.4	119.4	15.22	118.6	14.34	118.1	13.17	117.0	12.61	115.9	12.05	113.7	10.96
		35.6	123.5	15.48	122.7	14.62	122.1	13.45	121.0	12.88	119.9	12.32	117.7	11.20
		65.9	139.8	16.52	139.0	15.70	138.1	14.59	136.8	13.97	135.7	13.38	133.4	12.17
		82.4	154.4	17.58	153.3	16.79	152.5	15.73	151.1	15.09	150.0	14.42	147.3	13.11
		98.9	171.0	18.78	169.5	18.03	168.8	17.02	167.3	16.36	166.2	15.60	163.1	14.18
	32	26.4	213.4	20.82	208.7	20.20	204.4	19.28	200.8	18.47	197.2	17.68	190.3	16.05
		35.6	214.7	20.87	210.0	20.25	205.6	19.34	202.0	18.52	198.4	17.73	191.5	16.10
		65.9	219.6	21.07	214.9	20.45	210.2	19.56	206.7	18.75	203.1	17.93	195.9	16.30
		82.4	223.0	21.07	218.3	20.45	213.6	19.56	209.7	18.75	206.1	17.93	198.9	16.30
		98.9	226.9	21.07	222.2	20.45	217.5	19.56	213.1	18.75	209.5	17.93	202.3	16.30
	41	26.4	314.9	22.38	304.5	21.84	296.7	20.99	290.6	20.10	276.8	19.24	264.1	17.50
		35.6	316.1	22.48	305.0	21.94	296.7	21.09	290.6	20.20	276.8	19.34	264.1	17.58
		65.9	320.5	22.87	307.2	22.33	297.0	21.51	290.6	20.62	276.8	19.73	264.1	17.93
		82.4	322.4	23.02	308.1	22.48	297.0	21.66	290.6	20.77	276.8	19.86	264.1	18.05
		98.9	324.6	23.19	309.1	22.65	297.0	21.83	290.6	20.94	276.8	20.01	264.1	18.19
	50	26.4	316.7	20.01	305.4	19.57	297.0	18.96	290.6	18.32	276.8	17.42	264.1	15.93
		35.6	317.4	20.11	305.8	19.64	297.0	19.02	290.6	18.35	276.8	17.43	264.1	15.95
		65.9	320.5	20.48	307.5	19.88	297.0	19.24	290.6	18.45	276.8	17.51	264.1	16.02
		82.4	322.7	20.40	308.9	19.88	297.0	19.19	290.6	18.40	276.8	17.46	264.1	15.95
		98.9	325.2	20.31	310.5	19.88	297.0	19.13	290.6	18.34	276.8	17.40	264.1	15.87
	59	26.4	318.4	17.64	306.7	17.35	297.0	16.96	290.6	16.56	276.8	15.59	264.1	14.41
		35.6	318.8	17.73	306.9	17.36	297.0	16.96	290.6	16.49	276.8	15.53	264.1	14.34
		65.9	320.5	18.08	307.8	17.41	297.0	16.96	290.6	16.25	276.8	15.31	264.1	14.10
		82.4	323.2	17.78	309.4	17.26	297.0	16.74	290.6	16.02	276.8	15.06	264.1	13.87
		98.9	326.3	17.44	311.2	17.09	297.0	16.49	290.6	15.76	276.8	14.78	264.1	13.61
	68	26.4	320.1	15.09	308.4	14.70	297.0	14.34	290.6	14.15	276.8	13.22	264.1	12.56
		35.6	321.3	15.16	308.6	14.71	297.0	14.34	290.6	14.10	276.8	13.16	264.1	12.44
		65.9	326.0	15.43	309.4	14.76	297.0	14.34	290.6	13.87	276.8	12.91	264.1	11.94
		82.4	327.9	15.16	312.2	14.64	297.0	14.10	290.6	13.63	276.8	12.66	264.1	11.72
		98.9	330.1	14.85	315.4	14.50	297.0	13.83	290.6	13.36	276.8	12.38	264.1	11.47
	77	26.4	324.0	13.19	313.3	12.78	297.0	12.25	290.6	11.78	276.8	11.07	264.1	10.04
		35.6	325.2	13.21	313.3	12.71	297.0	12.19	290.6	11.72	276.8	11.00	264.1	10.04
		65.9	329.9	13.26	313.3	12.44	297.0	11.94	290.6	11.47	276.8	10.76	264.1	10.04
		82.4	331.5	12.96	313.3	12.34	297.0	11.72	290.6	11.23	276.8	10.76	264.1	9.79
		98.9	333.3	12.62	313.3	12.23	297.0	11.47	290.6	10.96	276.8	10.76	264.1	9.51
	86	26.4	331.5	12.00	313.3	11.07	297.0	10.31	290.6	10.10	276.8	9.32	264.1	8.92
		35.6	331.5	11.94	313.3	11.00	297.0	10.29	290.6	10.04	276.8	9.32	264.1	8.85
		65.9	331.5	11.72	313.3	10.76	297.0	10.19	290.6	9.79	276.8	9.32	264.1	8.61
		82.4	331.5	11.47	313.3	10.76	297.0	10.04	290.6	9.79	276.8	9.08	264.1	8.61
		98.9	331.5	11.19	313.3	10.76	297.0	9.87	290.6	9.79	276.8	8.81	264.1	8.61
	95	26.4	331.5	11.13	313.3	10.16	297.0	9.10	290.6	8.92	276.8	8.41	264.1	7.70
		35.6	331.5	11.00	313.3	10.04	297.0	9.08	290.6	8.85	276.8	8.36	264.1	7.64
		65.9	331.5	10.51	313.3	9.57	297.0	8.98	290.6	8.61	276.8	8.14	264.1	7.42
		82.4	331.5	10.51	313.3	9.57	297.0	8.85	290.6	8.61	276.8	8.14	264.1	7.42
		98.9	331.5	10.51	313.3	9.57	297.0	8.70	290.6	8.61	276.8	8.14	264.1	7.42
	104	26.4	331.5	10.41	313.3	9.44	297.0	8.16	290.6	7.95	276.8	7.48	264.1	6.98
		35.6	331.5	10.29	313.3	9.32	297.0	8.14	290.6	7.89	276.8	7.42	264.1	6.92
		65.9	331.5	9.79	313.3	8.85	297.0	8.04	290.6	7.64	276.8	7.17	264.1	6.70
		82.4	331.5	9.57	313.3	8.85	297.0	7.89	290.6	7.64	276.8	7.17	264.1	6.70
		98.9	331.5	9.32	313.3	8.85	297.0	7.72	290.6	7.64	276.8	7.17	264.1	6.70
	113	26.4	331.5	9.70	313.3	8.72	297.0	7.20	290.6	6.98	276.8	6.52	264.1	6.26
		35.6	331.5	9.57	313.3	8.61	297.0	7.17	290.6	6.92	276.8	6.45	264.1	6.21
		65.9	331.5	9.08	313.3	8.14	297.0	7.07	290.6	6.70	276.8	6.21	264.1	5.98
		82.4	331.5	8.61	313.3	8.14	297.0	6.92	290.6	6.70	276.8	6.21	264.1	5.98
		98.9	331.5	8.08	313.3	8.14	297.0	6.75	290.6	6.70	276.8	6.21	264.1	5.98

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	23	26.4	112.7	14.12	109.2	12.86	106.1	11.30	105.2	10.77	104.4	10.38	102.6	9.31
		35.6	116.6	14.37	113.0	13.11	109.7	11.55	108.9	11.00	108.0	10.61	106.1	9.52
		65.9	132.1	15.33	127.9	14.07	124.0	12.54	123.2	11.94	122.4	11.52	119.9	10.34
		82.4	145.9	16.30	141.2	15.06	137.0	13.53	135.9	12.88	135.1	12.41	132.6	11.15
		98.9	161.5	17.40	156.3	16.18	151.7	14.65	150.3	13.95	149.5	13.42	147.0	12.07
	32	26.4	201.6	19.24	192.3	18.05	183.4	16.57	180.7	15.81	177.7	15.21	171.1	13.66
		35.6	202.8	19.29	193.4	18.10	184.6	16.62	181.8	15.85	178.8	15.26	172.1	13.70
		65.9	207.5	19.49	197.8	18.30	189.0	16.79	185.9	16.02	182.9	15.43	176.3	13.85
		82.4	210.5	19.49	200.9	18.30	192.0	16.79	188.7	16.02	185.9	15.43	179.0	13.85
		98.9	213.9	19.49	204.4	18.30	195.4	16.79	191.9	16.02	189.3	15.43	182.1	13.85
	41	26.4	284.8	20.65	275.7	19.49	266.9	18.04	261.4	17.20	249.8	16.56	237.9	14.86
		35.6	285.1	20.75	275.5	19.59	266.9	18.13	261.4	17.29	249.8	16.64	237.9	14.94
		65.9	286.2	21.12	274.6	19.96	266.9	18.47	261.4	17.63	249.8	16.99	237.9	15.23
		82.4	287.9	21.24	275.5	20.08	266.9	18.62	261.4	17.76	249.8	17.11	237.9	15.36
		98.9	289.8	21.38	276.5	20.22	266.9	18.79	261.4	17.91	249.8	17.25	237.9	15.51
	50	26.4	286.4	18.24	276.6	17.34	266.9	16.33	261.4	15.66	249.8	15.02	237.9	13.54
		35.6	286.2	18.25	276.3	17.36	266.9	16.35	261.4	15.68	249.8	15.01	237.9	13.55
		65.9	285.7	18.30	274.9	17.43	266.9	16.42	261.4	15.75	249.8	14.96	237.9	13.60
		82.4	287.6	18.25	275.7	17.38	266.9	16.37	261.4	15.70	249.8	15.01	237.9	13.65
		98.9	289.8	18.19	276.6	17.32	266.9	16.31	261.4	15.64	249.8	15.07	237.9	13.71
	59	26.4	287.8	15.79	277.6	15.22	266.9	14.65	261.4	14.15	249.8	13.50	237.9	12.25
		35.6	287.3	15.73	277.1	15.16	266.9	14.59	261.4	14.10	249.8	13.38	237.9	12.19
		65.9	285.4	15.48	275.2	14.91	266.9	14.34	261.4	13.87	249.8	12.91	237.9	11.94
		82.4	287.3	15.26	276.0	14.69	266.9	14.10	261.4	13.63	249.8	12.91	237.9	11.94
		98.9	289.5	15.01	276.9	14.44	266.9	13.83	261.4	13.36	249.8	12.91	237.9	11.94
	68	26.4	289.5	13.33	278.8	12.95	266.9	12.50	261.4	12.00	249.8	11.59	237.9	10.88
		35.6	289.3	13.33	278.2	12.91	266.9	12.44	261.4	11.94	249.8	11.47	237.9	10.76
		65.9	288.2	13.33	276.0	12.76	266.9	12.19	261.4	11.72	249.8	11.00	237.9	10.29
		82.4	289.0	13.11	276.8	12.66	266.9	12.19	261.4	11.72	249.8	11.00	237.9	10.29
		98.9	289.9	12.86	277.7	12.55	266.9	12.19	261.4	11.72	249.8	11.00	237.9	10.29
	77	26.4	294.4	11.65	282.4	11.03	266.9	10.57	261.4	10.04	249.8	9.63	237.9	8.92
		35.6	295.1	11.62	282.4	11.00	266.9	10.51	261.4	10.04	249.8	9.57	237.9	8.85
		65.9	297.8	11.52	282.4	10.91	266.9	10.29	261.4	10.04	249.8	9.32	237.9	8.61
		82.4	298.9	11.23	282.4	10.66	266.9	10.29	261.4	9.79	249.8	9.32	237.9	8.61
		98.9	300.1	10.90	282.4	10.38	266.9	10.29	261.4	9.51	249.8	9.32	237.9	8.61
	86	26.4	298.9	10.57	282.4	9.85	266.9	9.13	261.4	8.92	249.8	8.41	237.9	7.64
		35.6	298.9	10.51	282.4	9.79	266.9	9.08	261.4	8.85	249.8	8.36	237.9	7.64
		65.9	298.9	10.29	282.4	9.57	266.9	8.85	261.4	8.61	249.8	8.14	237.9	7.64
		82.4	298.9	10.04	282.4	9.32	266.9	8.85	261.4	8.61	249.8	8.14	237.9	7.42
		98.9	298.9	9.76	282.4	9.04	266.9	8.85	261.4	8.61	249.8	8.14	237.9	7.17
	95	26.4	298.9	9.63	282.4	8.92	266.9	8.20	261.4	7.95	249.8	7.48	237.9	6.98
		35.6	298.9	9.57	282.4	8.85	266.9	8.14	261.4	7.89	249.8	7.42	237.9	6.92
		65.9	298.9	9.32	282.4	8.61	266.9	7.89	261.4	7.64	249.8	7.17	237.9	6.70
		82.4	298.9	9.08	282.4	8.36	266.9	7.64	261.4	7.42	249.8	7.17	237.9	6.70
		98.9	298.9	8.81	282.4	8.08	266.9	7.36	261.4	7.17	249.8	7.17	237.9	6.70
	104	26.4	298.9	8.98	282.4	8.20	266.9	7.23	261.4	6.98	249.8	6.76	237.9	6.26
		35.6	298.9	8.85	282.4	8.14	266.9	7.17	261.4	6.92	249.8	6.70	237.9	6.21
		65.9	298.9	8.36	282.4	7.89	266.9	6.92	261.4	6.70	249.8	6.45	237.9	5.98
		82.4	298.9	8.36	282.4	7.89	266.9	6.92	261.4	6.70	249.8	6.45	237.9	5.98
		98.9	298.9	8.36	282.4	7.89	266.9	6.92	261.4	6.70	249.8	6.45	237.9	5.98
	113	26.4	298.9	8.32	282.4	7.48	266.9	6.26	261.4	6.05	249.8	6.05	237.9	5.55
		35.6	298.9	8.14	282.4	7.42	266.9	6.21	261.4	5.98	249.8	5.98	237.9	5.49
		65.9	298.9	7.42	282.4	7.17	266.9	5.98	261.4	5.74	249.8	5.74	237.9	5.27
		82.4	298.9	7.64	282.4	7.42	266.9	6.21	261.4	5.98	249.8	5.74	237.9	5.27
		98.9	298.9	7.89	282.4	7.70	266.9	6.47	261.4	6.25	249.8	5.74	237.9	5.27

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM264DAS5

264,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	26.4	106.6	10.06	99.9	9.68	94.6	9.27	93.5	8.96	92.9	8.54	91.1	7.87
		35.6	110.2	10.29	103.3	9.89	97.8	9.47	96.7	9.15	96.1	8.73	94.2	8.04
		65.9	124.6	11.18	116.9	10.73	110.5	10.26	109.4	9.92	108.9	9.47	106.6	8.70
		82.4	137.9	12.04	129.0	11.57	122.1	11.08	120.7	10.71	120.2	10.21	117.7	9.40
	32	98.9	153.0	13.02	142.7	12.52	135.3	12.01	133.5	11.61	133.0	11.05	130.3	10.19
		26.4	190.3	14.77	175.5	14.18	163.4	13.59	160.4	13.12	158.2	12.50	152.2	11.52
		35.6	191.5	14.81	176.5	14.22	164.4	13.63	161.3	13.16	159.1	12.54	153.1	11.55
		65.9	196.2	14.99	180.7	14.39	168.3	13.77	165.2	13.30	163.0	12.69	156.7	11.67
	41	82.4	198.9	14.99	183.4	14.39	171.0	13.77	167.7	13.30	165.5	12.69	159.1	11.67
		98.9	202.0	14.99	186.5	14.39	174.1	13.77	170.5	13.30	168.3	12.69	161.8	11.67
		26.4	263.3	16.06	248.4	15.46	237.5	14.76	232.4	14.27	222.4	13.61	211.4	12.52
		35.6	263.8	16.15	248.9	15.53	237.6	14.84	232.4	14.34	222.4	13.68	211.4	12.59
	50	65.9	266.1	16.49	250.9	15.83	237.9	15.16	232.4	14.64	222.4	13.95	211.4	12.86
		82.4	266.1	16.59	250.6	15.95	237.9	15.26	232.4	14.74	222.4	14.05	211.4	12.93
		98.9	266.1	16.70	250.3	16.09	237.9	15.37	232.4	14.85	222.4	14.16	211.4	13.01
		26.4	264.7	14.78	249.5	14.11	237.5	13.40	232.4	13.03	222.4	12.33	211.4	11.42
	59	35.6	265.0	14.76	249.8	14.10	237.6	13.40	232.4	13.03	222.4	12.34	211.4	11.43
		65.9	266.1	14.69	250.9	14.02	237.9	13.43	232.4	13.06	222.4	12.36	211.4	11.45
		82.4	266.1	14.64	250.6	14.07	237.9	13.48	232.4	12.98	222.4	12.29	211.4	11.38
		98.9	266.1	14.58	250.3	14.13	237.9	13.54	232.4	12.89	222.4	12.21	211.4	11.30
	68	26.4	266.1	13.50	250.6	12.78	237.9	12.00	232.4	11.78	222.4	11.07	211.4	10.35
		35.6	266.1	13.38	250.6	12.66	237.9	11.94	232.4	11.72	222.4	11.00	211.4	10.29
		65.9	266.1	12.91	250.6	12.19	237.9	11.72	232.4	11.47	222.4	10.76	211.4	10.04
		82.4	266.1	12.66	250.6	12.19	237.9	11.72	232.4	11.23	222.4	10.51	211.4	9.79
	77	98.9	266.1	12.38	250.6	12.19	237.9	11.72	232.4	10.96	222.4	10.23	211.4	9.51
		26.4	266.1	11.28	250.6	10.82	237.9	10.29	232.4	10.10	222.4	9.63	211.4	8.92
		35.6	266.1	11.23	250.6	10.76	237.9	10.29	232.4	10.04	222.4	9.57	211.4	8.85
		65.9	266.1	11.00	250.6	10.51	237.9	10.29	232.4	9.79	222.4	9.32	211.4	8.61
	86	82.4	266.1	10.76	250.6	10.29	237.9	10.04	232.4	9.79	222.4	9.08	211.4	8.61
		98.9	266.1	10.49	250.6	10.04	237.9	9.76	232.4	9.79	222.4	8.81	211.4	8.61
		26.4	266.1	10.10	250.6	9.39	237.9	8.85	232.4	8.67	222.4	8.20	211.4	7.70
		35.6	266.1	10.04	250.6	9.32	237.9	8.85	232.4	8.61	222.4	8.14	211.4	7.64
	95	65.9	266.1	9.79	250.6	9.08	237.9	8.85	232.4	8.36	222.4	7.89	211.4	7.42
		82.4	266.1	9.57	250.6	9.08	237.9	8.61	232.4	8.36	222.4	7.89	211.4	7.42
		98.9	266.1	9.32	250.6	9.08	237.9	8.34	232.4	8.36	222.4	7.89	211.4	7.42
		26.4	266.1	8.92	250.6	8.41	237.9	7.95	232.4	7.70	222.4	7.23	211.4	6.76
	104	35.6	266.1	8.85	250.6	8.36	237.9	7.89	232.4	7.64	222.4	7.17	211.4	6.70
		65.9	266.1	8.61	250.6	8.14	237.9	7.64	232.4	7.42	222.4	6.92	211.4	6.45
		82.4	266.1	8.61	250.6	8.14	237.9	7.64	232.4	7.42	222.4	6.92	211.4	6.45
		98.9	266.1	8.61	250.6	8.14	237.9	7.64	232.4	7.42	222.4	6.92	211.4	6.45
	113	26.4	266.1	8.20	250.6	7.70	237.9	6.98	232.4	6.70	222.4	6.52	211.4	5.98
		35.6	266.1	8.14	250.6	7.64	237.9	6.92	232.4	6.70	222.4	6.45	211.4	5.98
		65.9	266.1	7.89	250.6	7.42	237.9	6.70	232.4	6.70	222.4	6.21	211.4	5.98
		82.4	266.1	7.89	250.6	7.17	237.9	6.70	232.4	6.45	222.4	6.21	211.4	5.74
	104	98.9	266.1	7.89	250.6	6.89	237.9	6.70	232.4	6.17	222.4	6.21	211.4	5.47
		26.4	266.1	7.76	250.6	6.98	237.9	6.21	232.4	6.26	222.4	5.74	211.4	5.55
		35.6	266.1	7.64	250.6	6.92	237.9	6.21	232.4	6.21	222.4	5.74	211.4	5.49
		65.9	266.1	7.17	250.6	6.70	237.9	6.21	232.4	5.98	222.4	5.74	211.4	5.27
	113	82.4	266.1	7.17	250.6	6.70	237.9	5.98	232.4	5.98	222.4	5.74	211.4	5.27
		98.9	266.1	7.17	250.6	6.70	237.9	5.72	232.4	5.98	222.4	5.74	211.4	5.27
		26.4	266.1	7.35	250.6	6.26	237.9	5.43	232.4	5.86	222.4	4.96	211.4	5.14
		35.6	266.1	7.17	250.6	6.21	237.9	5.49	232.4	5.74	222.4	5.02	211.4	5.02
	113	65.9	266.1	6.45	250.6	5.98	237.9	5.74	232.4	5.27	222.4	5.27	211.4	4.55
		82.4	266.1	6.45	250.6	6.21	237.9	5.27	232.4	5.49	222.4	5.27	211.4	4.77
		98.9	266.1	6.45	250.6	6.47	237.9	4.74	232.4	5.74	222.4	5.27	211.4	5.02

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	26.4	92.9	8.64	87.3	8.23	82.6	7.96	81.7	7.50	81.2	7.24	79.9	6.58
		35.6	96.1	8.83	90.3	8.41	85.4	8.14	84.5	7.67	84.0	7.39	82.6	6.73
		65.9	108.9	9.57	102.2	9.13	96.4	8.83	95.6	8.31	95.0	8.01	93.4	7.30
		82.4	120.5	10.34	113.0	9.84	106.6	9.52	105.8	8.95	105.0	8.66	103.1	7.86
	32	98.9	133.7	11.21	125.2	10.65	118.2	10.30	117.4	9.68	116.3	9.40	114.1	8.50
		26.4	166.4	12.65	153.8	12.06	142.8	11.66	140.3	10.97	138.1	10.60	133.2	9.64
		35.6	167.4	12.69	154.7	12.09	143.7	11.70	141.2	11.00	139.0	10.63	134.0	9.67
		65.9	171.3	12.83	158.3	12.22	147.0	11.85	144.5	11.13	142.3	10.76	137.0	9.77
	41	82.4	173.8	12.83	160.8	12.22	149.2	11.85	146.7	11.13	144.5	10.76	139.2	9.77
		98.9	176.6	12.83	163.6	12.22	151.7	11.85	149.2	11.13	147.0	10.76	141.7	9.77
		26.4	229.9	13.78	217.8	13.11	207.4	12.69	203.1	11.96	193.9	11.54	184.8	10.48
		35.6	230.4	13.85	218.3	13.18	207.5	12.76	203.1	12.02	193.9	11.60	184.8	10.53
	50	65.9	232.4	14.12	219.9	13.45	207.8	13.03	203.1	12.24	193.9	11.85	184.8	10.76
		82.4	232.4	14.22	219.6	13.55	207.8	13.13	203.1	12.34	193.9	11.92	184.8	10.83
		98.9	232.4	14.33	219.3	13.66	207.8	13.24	203.1	12.45	193.9	12.00	184.8	10.91
		26.4	231.0	12.69	218.6	11.99	207.8	11.55	203.1	10.91	193.9	10.46	184.8	9.57
	59	35.6	231.2	12.66	218.8	11.97	207.8	11.52	203.1	10.91	193.9	10.46	184.8	9.57
		65.9	232.4	12.56	219.6	11.87	207.8	11.43	203.1	10.91	193.9	10.46	184.8	9.57
		82.4	232.4	12.61	219.6	11.92	207.8	11.47	203.1	10.96	193.9	10.39	184.8	9.60
		98.9	232.4	12.67	219.6	11.98	207.8	11.52	203.1	11.02	193.9	10.31	184.8	9.63
	68	26.4	232.4	11.59	219.6	10.88	207.8	10.41	203.1	9.85	193.9	9.39	184.8	8.67
		35.6	232.4	11.47	219.6	10.76	207.8	10.29	203.1	9.79	193.9	9.32	184.8	8.61
		65.9	232.4	11.00	219.6	10.29	207.8	9.79	203.1	9.57	193.9	9.08	184.8	8.36
		82.4	232.4	11.00	219.6	10.29	207.8	9.79	203.1	9.57	193.9	8.85	184.8	8.36
	77	98.9	232.4	11.00	219.6	10.29	207.8	9.79	203.1	9.57	193.9	8.59	184.8	8.36
		26.4	232.4	9.63	219.6	9.13	207.8	8.92	203.1	8.67	193.9	8.20	184.8	7.70
		35.6	232.4	9.57	219.6	9.08	207.8	8.85	203.1	8.61	193.9	8.14	184.8	7.64
		65.9	232.4	9.32	219.6	8.85	207.8	8.61	203.1	8.36	193.9	7.89	184.8	7.42
	86	82.4	232.4	9.32	219.6	8.85	207.8	8.61	203.1	8.14	193.9	7.89	184.8	7.17
		98.9	232.4	9.32	219.6	8.85	207.8	8.61	203.1	7.89	193.9	7.89	184.8	6.89
		26.4	232.4	8.67	219.6	8.20	207.8	7.70	203.1	7.48	193.9	6.92	184.8	6.45
		35.6	232.4	8.61	219.6	8.14	207.8	7.64	203.1	7.42	193.9	6.92	184.8	6.45
	95	65.9	232.4	8.36	219.6	7.89	207.8	7.42	203.1	7.17	193.9	6.92	184.8	6.45
		82.4	232.4	8.14	219.6	7.64	207.8	7.42	203.1	7.17	193.9	6.70	184.8	6.45
		98.9	232.4	7.89	219.6	7.36	207.8	7.42	203.1	7.17	193.9	6.45	184.8	6.45
		26.4	232.4	7.70	219.6	7.23	207.8	6.76	203.1	6.45	193.9	6.26	184.8	5.74
	104	35.6	232.4	7.64	219.6	7.17	207.8	6.70	203.1	6.45	193.9	6.21	184.8	5.74
		65.9	232.4	7.42	219.6	6.92	207.8	6.45	203.1	6.45	193.9	5.98	184.8	5.74
		82.4	232.4	7.42	219.6	6.92	207.8	6.45	203.1	6.21	193.9	5.98	184.8	5.74
		98.9	232.4	7.42	219.6	6.92	207.8	6.45	203.1	5.94	193.9	5.98	184.8	5.74
	113	26.4	232.4	6.98	219.6	6.52	207.8	5.98	203.1	6.05	193.9	5.49	184.8	5.33
		35.6	232.4	6.92	219.6	6.45	207.8	5.98	203.1	5.98	193.9	5.49	184.8	5.27
		65.9	232.4	6.70	219.6	6.21	207.8	5.98	203.1	5.74	193.9	5.49	184.8	5.02
		82.4	232.4	6.70	219.6	6.21	207.8	5.74	203.1	5.74	193.9	5.49	184.8	5.02
	104	98.9	232.4	6.70	219.6	6.21	207.8	5.47	203.1	5.74	193.9	5.49	184.8	5.02
		26.4	232.4	6.52	219.6	6.05	207.8	5.55	203.1	5.27	193.9	5.02	184.8	4.83
		35.6	232.4	6.45	219.6	5.98	207.8	5.49	203.1	5.27	193.9	5.02	184.8	4.77
		65.9	232.4	6.21	219.6	5.74	207.8	5.27	203.1	5.27	193.9	5.02	184.8	4.55
	113	82.4	232.4	6.21	219.6	5.74	207.8	5.27	203.1	5.02	193.9	4.77	184.8	4.55
		98.9	232.4	6.21	219.6	5.74	207.8	5.27	203.1	4.74	193.9	4.49	184.8	4.55
		26.4	232.4	6.05	219.6	5.55	207.8	5.14	203.1	4.49	193.9	4.55	184.8	4.37
		35.6	232.4	5.98	219.6	5.49	207.8	5.02	203.1	4.55	193.9	4.55	184.8	4.30
	113	65.9	232.4	5.74	219.6	5.27	207.8	4.55	203.1	4.77	193.9	4.55	184.8	4.06
		82.4	232.4	5.74	219.6	5.27	207.8	4.77	203.1	4.30	193.9	4.06	184.8	4.06
		98.9	232.4	5.74	219.6	5.27	207.8	5.02	203.1	3.77	193.9	3.50	184.8	4.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM264DAS5

264,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	23	26.4	79.8	7.02	74.8	6.75	70.8	6.48	69.9	6.03	69.7	5.93	68.4	5.30
		35.6	82.6	7.17	77.4	6.90	73.2	6.63	72.4	6.16	72.1	6.06	70.7	5.42
		65.9	93.7	7.79	87.6	7.49	82.9	7.20	82.1	6.68	81.8	6.58	80.1	5.89
		82.4	103.3	8.38	96.7	8.09	91.7	7.77	90.6	7.22	90.3	7.10	88.4	6.33
	32	98.9	114.2	9.05	107.0	8.77	101.7	8.42	100.2	7.83	99.9	7.69	97.8	6.83
		26.4	142.8	10.28	131.6	9.92	122.7	9.49	120.3	8.83	118.7	8.70	114.3	7.77
		35.6	143.7	10.31	132.3	9.94	123.5	9.52	121.0	8.85	119.4	8.73	114.9	7.79
		65.9	147.0	10.44	135.4	10.04	126.5	9.64	123.8	8.95	122.1	8.83	117.4	7.86
	41	82.4	149.2	10.44	137.6	10.04	128.5	9.64	125.7	8.95	124.0	8.83	119.4	7.86
		98.9	151.7	10.44	140.1	10.04	130.8	9.64	127.9	8.95	126.2	8.83	121.7	7.86
		26.4	197.4	11.20	186.1	10.78	178.5	10.33	174.1	9.62	166.6	9.47	158.6	8.44
		35.6	197.8	11.25	186.5	10.83	178.5	10.39	174.1	9.67	166.6	9.52	158.6	8.48
	50	65.9	199.5	11.47	187.9	11.05	178.5	10.61	174.1	9.87	166.6	9.72	158.6	8.66
		82.4	199.5	11.57	187.6	11.13	178.5	10.68	174.1	9.94	166.6	9.77	158.6	8.73
		98.9	199.5	11.68	187.3	11.22	178.5	10.76	174.1	10.02	166.6	9.83	158.6	8.81
		26.4	198.4	10.29	186.8	9.84	178.5	9.37	174.1	8.75	166.6	8.59	158.6	7.70
	59	35.6	198.6	10.29	187.0	9.84	178.5	9.37	174.1	8.78	166.6	8.58	158.6	7.72
		65.9	199.5	10.29	187.9	9.84	178.5	9.37	174.1	8.88	166.6	8.56	158.6	7.79
		82.4	199.5	10.31	187.6	9.74	178.5	9.27	174.1	8.78	166.6	8.48	158.6	7.72
		98.9	199.5	10.33	187.3	9.63	178.5	9.16	174.1	8.67	166.6	8.39	158.6	7.64
	68	26.4	199.5	9.39	187.6	8.92	178.5	8.41	174.1	7.89	166.6	7.70	158.6	6.92
		35.6	199.5	9.32	187.6	8.85	178.5	8.36	174.1	7.89	166.6	7.64	158.6	6.92
		65.9	199.5	9.08	187.6	8.61	178.5	8.14	174.1	7.89	166.6	7.42	158.6	6.92
		82.4	199.5	9.08	187.6	8.36	178.5	7.89	174.1	7.64	166.6	7.17	158.6	6.70
	77	98.9	199.5	9.08	187.6	8.08	178.5	7.61	174.1	7.36	166.6	6.89	158.6	6.45
		26.4	199.5	8.20	187.6	7.70	178.5	7.23	174.1	6.98	166.6	6.76	158.6	6.26
		35.6	199.5	8.14	187.6	7.64	178.5	7.17	174.1	6.92	166.6	6.70	158.6	6.21
		65.9	199.5	7.89	187.6	7.42	178.5	6.92	174.1	6.70	166.6	6.45	158.6	5.98
	86	82.4	199.5	7.89	187.6	7.42	178.5	6.92	174.1	6.70	166.6	6.45	158.6	5.98
		98.9	199.5	7.89	187.6	7.42	178.5	6.92	174.1	6.70	166.6	6.45	158.6	5.98
		26.4	199.5	7.23	187.6	6.76	178.5	6.21	174.1	6.26	166.6	5.74	158.6	5.55
		35.6	199.5	7.17	187.6	6.70	178.5	6.21	174.1	6.21	166.6	5.74	158.6	5.49
	95	65.9	199.5	6.92	187.6	6.45	178.5	6.21	174.1	5.98	166.6	5.74	158.6	5.27
		82.4	199.5	6.92	187.6	6.45	178.5	5.98	174.1	5.98	166.6	5.74	158.6	5.27
		98.9	199.5	6.92	187.6	6.45	178.5	5.72	174.1	5.98	166.6	5.74	158.6	5.27
		26.4	199.5	6.52	187.6	6.05	178.5	5.80	174.1	5.55	166.6	5.33	158.6	5.08
	104	35.6	199.5	6.45	187.6	5.98	178.5	5.74	174.1	5.49	166.6	5.27	158.6	5.02
		65.9	199.5	6.21	187.6	5.74	178.5	5.49	174.1	5.27	166.6	5.02	158.6	4.77
		82.4	199.5	6.21	187.6	5.74	178.5	5.49	174.1	5.27	166.6	5.02	158.6	4.77
		98.9	199.5	6.21	187.6	5.74	178.5	5.49	174.1	5.27	166.6	5.02	158.6	4.77
	113	26.4	199.5	5.74	187.6	5.55	178.5	5.02	174.1	5.08	166.6	4.83	158.6	4.61
		35.6	199.5	5.74	187.6	5.49	178.5	5.02	174.1	5.02	166.6	4.77	158.6	4.55
		65.9	199.5	5.74	187.6	5.27	178.5	5.02	174.1	4.77	166.6	4.55	158.6	4.30
		82.4	199.5	5.74	187.6	5.27	178.5	4.77	174.1	4.77	166.6	4.55	158.6	4.30
	113	98.9	199.5	5.74	187.6	5.27	178.5	4.49	174.1	4.77	166.6	4.55	158.6	4.30
		26.4	199.5	5.27	187.6	5.08	178.5	4.55	174.1	4.61	166.6	4.37	158.6	4.06
		35.6	199.5	5.27	187.6	5.02	178.5	4.55	174.1	4.55	166.6	4.30	158.6	4.06
		65.9	199.5	5.27	187.6	4.77	178.5	4.55	174.1	4.30	166.6	4.06	158.6	4.06
	113	82.4	199.5	5.27	187.6	4.77	178.5	4.55	174.1	4.30	166.6	4.06	158.6	4.06
		98.9	199.5	5.27	187.6	4.77	178.5	4.55	174.1	4.30	166.6	4.06	158.6	4.06
		26.4	199.5	4.77	187.6	4.61	178.5	4.06	174.1	4.11	166.6	3.90	158.6	3.52
		35.6	199.5	4.77	187.6	4.55	178.5	4.06	174.1	4.06	166.6	3.83	158.6	3.59
	113	65.9	199.5	4.77	187.6	4.30	178.5	4.06	174.1	3.83	166.6	3.59	158.6	3.83
		82.4	199.5	4.77	187.6	4.30	178.5	4.30	174.1	3.83	166.6	3.59	158.6	3.83
	113	98.9	199.5	4.77	187.6	4.30	178.5	4.57	174.1	3.83	166.6	3.59	158.6	3.83

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	26.4	66.6	5.59	62.6	5.30	59.0	5.01	58.2	4.74	57.9	4.45	56.9	4.22
		35.6	68.8	5.71	64.6	5.42	61.1	5.12	60.2	4.85	60.0	4.55	58.8	4.30
		65.9	77.6	6.18	72.9	5.89	69.1	5.54	68.2	5.27	68.0	4.95	66.6	4.65
		82.4	85.9	6.68	80.7	6.33	76.3	5.98	75.4	5.69	74.9	5.32	73.8	5.02
		98.9	95.3	7.25	89.5	6.83	84.5	6.48	83.6	6.17	82.7	5.74	82.0	5.44
	32	26.4	118.7	8.19	109.9	7.77	102.1	7.32	99.9	6.95	98.6	6.53	95.0	6.16
		35.6	119.4	8.21	110.5	7.79	102.8	7.34	100.6	6.97	99.2	6.55	95.6	6.18
		65.9	122.1	8.28	113.0	7.86	105.3	7.44	103.1	7.07	101.7	6.63	97.8	6.26
		82.4	124.0	8.28	114.7	7.86	106.6	7.44	104.7	7.07	103.1	6.63	99.5	6.26
		98.9	126.2	8.28	116.6	7.86	108.1	7.44	106.5	7.07	104.7	6.63	101.4	6.26
	41	26.4	164.0	8.91	155.5	8.44	148.3	7.97	144.8	7.58	138.4	7.12	132.1	6.69
		35.6	164.4	8.95	155.8	8.48	148.4	8.01	144.8	7.62	138.4	7.15	132.1	6.73
		65.9	165.8	9.13	156.9	8.66	148.6	8.19	144.8	7.77	138.4	7.27	132.1	6.87
		82.4	165.8	9.20	156.7	8.73	148.6	8.23	144.8	7.81	138.4	7.34	132.1	6.92
		98.9	165.8	9.28	156.5	8.81	148.6	8.28	144.8	7.86	138.4	7.42	132.1	6.98
	50	26.4	165.1	8.20	155.9	7.72	148.3	7.26	144.8	6.94	138.4	6.41	132.1	6.12
		35.6	165.2	8.19	156.1	7.72	148.4	7.25	144.8	6.92	138.4	6.43	132.1	6.11
		65.9	165.8	8.14	156.9	7.69	148.6	7.20	144.8	6.87	138.4	6.50	132.1	6.06
		82.4	165.8	8.19	156.7	7.72	148.6	7.22	144.8	6.90	138.4	6.40	132.1	6.08
		98.9	165.8	8.25	156.5	7.75	148.6	7.24	144.8	6.93	138.4	6.29	132.1	6.10
	59	26.4	165.8	7.48	156.7	6.98	148.6	6.52	144.8	6.26	138.4	5.74	132.1	5.55
		35.6	165.8	7.42	156.7	6.92	148.6	6.45	144.8	6.21	138.4	5.74	132.1	5.49
		65.9	165.8	7.17	156.7	6.70	148.6	6.21	144.8	5.98	138.4	5.74	132.1	5.27
		82.4	165.8	7.17	156.7	6.70	148.6	6.21	144.8	5.98	138.4	5.49	132.1	5.27
		98.9	165.8	7.17	156.7	6.70	148.6	6.21	144.8	5.98	138.4	5.21	132.1	5.27
	68	26.4	165.8	6.52	156.7	6.05	148.6	5.80	144.8	5.55	138.4	5.33	132.1	4.77
		35.6	165.8	6.45	156.7	5.98	148.6	5.74	144.8	5.49	138.4	5.27	132.1	4.77
		65.9	165.8	6.21	156.7	5.74	148.6	5.49	144.8	5.27	138.4	5.02	132.1	4.77
		82.4	165.8	6.21	156.7	5.74	148.6	5.49	144.8	5.27	138.4	5.02	132.1	4.77
		98.9	165.8	6.21	156.7	5.74	148.6	5.49	144.8	5.27	138.4	5.02	132.1	4.77
	77	26.4	165.8	5.80	156.7	5.27	148.6	5.08	144.8	4.77	138.4	4.55	132.1	4.30
		35.6	165.8	5.74	156.7	5.27	148.6	5.02	144.8	4.77	138.4	4.55	132.1	4.30
		65.9	165.8	5.49	156.7	5.27	148.6	4.77	144.8	4.77	138.4	4.55	132.1	4.30
		82.4	165.8	5.49	156.7	5.27	148.6	4.77	144.8	4.77	138.4	4.55	132.1	4.30
		98.9	165.8	5.49	156.7	5.27	148.6	4.77	144.8	4.77	138.4	4.55	132.1	4.30
	86	26.4	165.8	5.33	156.7	4.83	148.6	4.61	144.8	4.30	138.4	4.37	132.1	4.11
		35.6	165.8	5.27	156.7	4.77	148.6	4.55	144.8	4.30	138.4	4.30	132.1	4.06
		65.9	165.8	5.02	156.7	4.55	148.6	4.30	144.8	4.30	138.4	4.06	132.1	3.83
		82.4	165.8	5.02	156.7	4.55	148.6	4.30	144.8	4.30	138.4	4.06	132.1	3.83
		98.9	165.8	5.02	156.7	4.55	148.6	4.30	144.8	4.30	138.4	4.06	132.1	3.83
	95	26.4	165.8	4.83	156.7	4.30	148.6	4.06	144.8	4.11	138.4	3.83	132.1	3.59
		35.6	165.8	4.77	156.7	4.30	148.6	4.06	144.8	4.06	138.4	3.83	132.1	3.59
		65.9	165.8	4.55	156.7	4.30	148.6	4.06	144.8	3.83	138.4	3.83	132.1	3.59
		82.4	165.8	4.55	156.7	4.30	148.6	4.06	144.8	3.83	138.4	3.83	132.1	3.59
		98.9	165.8	4.55	156.7	4.30	148.6	4.06	144.8	3.83	138.4	3.83	132.1	3.59
	104	26.4	165.8	4.37	156.7	4.11	148.6	3.90	144.8	3.59	138.4	3.65	132.1	3.34
		35.6	165.8	4.30	156.7	4.06	148.6	3.83	144.8	3.59	138.4	3.59	132.1	3.34
		65.9	165.8	4.06	156.7	3.83	148.6	3.59	144.8	3.59	138.4	3.34	132.1	3.34
		82.4	165.8	4.06	156.7	3.83	148.6	3.59	144.8	3.59	138.4	3.34	132.1	3.34
		98.9	165.8	4.06	156.7	3.83	148.6	3.59	144.8	3.59	138.4	3.34	132.1	3.34
	113	26.4	165.8	3.90	156.7	3.96	148.6	3.70	144.8	3.06	138.4	3.46	132.1	3.12
		35.6	165.8	3.83	156.7	3.83	148.6	3.59	144.8	3.12	138.4	3.34	132.1	3.12
		65.9	165.8	3.59	156.7	3.34	148.6	3.12	144.8	3.34	138.4	2.87	132.1	3.12
		82.4	165.8	3.59	156.7	3.34	148.6	3.12	144.8	3.34	138.4	2.87	132.1	3.12
		98.9	165.8	3.59	156.7	3.34	148.6	3.12	144.8	3.34	138.4	2.87	132.1	3.12

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM288DAS5

288,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	28.4	153.3	16.34	152.2	15.39	151.2	14.32	149.2	13.90	150.9	13.54	146.8	12.14
		35.6	158.5	16.63	157.3	15.69	156.4	14.64	154.3	14.21	156.1	13.83	151.9	12.40
		71.0	179.3	17.76	177.8	16.87	176.9	15.87	174.5	15.42	176.6	14.99	172.1	13.45
		88.8	198.3	18.89	196.5	18.03	195.3	17.11	192.9	16.65	195.3	16.17	190.2	14.50
		106.6	207.9	19.46	205.9	18.61	204.6	17.74	202.2	17.28	204.7	16.77	199.3	15.03
	32	28.4	273.8	22.35	267.6	21.68	261.9	20.98	256.2	20.39	257.1	19.83	245.3	17.76
		35.6	275.5	22.41	269.1	21.74	263.4	21.04	257.7	20.45	258.6	19.88	246.8	17.81
		71.0	282.1	22.65	275.2	21.95	269.4	21.28	263.7	20.69	264.6	20.10	252.9	18.03
		88.8	286.3	22.65	279.4	21.95	273.7	21.28	267.6	20.69	268.5	20.10	256.5	18.03
		106.6	288.5	22.65	281.5	21.95	275.8	21.28	269.6	20.69	270.5	20.10	258.3	18.03
	41	28.4	394.4	24.02	388.4	23.43	380.3	22.83	370.7	22.19	360.8	21.58	340.9	19.32
		35.6	395.7	24.13	389.1	23.54	380.4	22.95	370.7	22.30	360.8	21.69	340.9	19.43
		71.0	401.2	24.56	391.8	23.97	380.7	23.41	370.7	22.76	360.8	22.12	340.9	19.83
		88.8	403.6	24.73	393.0	24.13	380.7	23.57	370.7	22.92	360.8	22.28	340.9	19.96
		106.6	404.8	24.81	393.6	24.21	380.7	23.65	370.7	23.00	360.8	22.36	340.9	20.03
	50	28.4	394.9	21.86	388.5	21.13	379.1	20.73	369.2	20.27	359.4	19.57	339.5	17.66
		35.6	397.2	21.82	390.3	21.15	380.7	20.77	370.7	20.26	360.8	19.56	340.9	17.65
		71.0	406.6	21.66	397.5	21.23	386.7	20.93	376.7	20.23	366.2	19.51	346.3	17.60
		88.8	408.7	21.95	400.3	21.52	389.1	21.01	378.6	20.31	368.6	19.83	348.4	18.43
		106.6	409.8	22.10	401.6	21.67	390.3	21.05	379.5	20.35	369.8	19.99	349.5	18.85
	59	28.4	395.5	19.70	388.5	18.86	377.6	18.66	367.7	18.35	358.0	17.57	338.1	16.01
		35.6	398.7	19.51	391.5	18.78	380.7	18.62	370.7	18.21	360.8	17.43	340.9	15.87
		71.0	411.7	18.73	403.3	18.46	392.7	18.46	382.8	17.68	371.6	16.90	351.7	15.34
		88.8	413.8	19.18	407.2	18.89	397.5	18.46	386.7	17.68	376.7	17.38	355.9	16.90
		106.6	414.9	19.41	409.2	19.10	400.0	18.46	388.7	17.68	379.3	17.62	358.1	17.68
	68	28.4	410.5	18.07	403.0	17.23	392.4	16.86	381.5	16.32	370.5	15.95	348.5	15.46
		35.6	413.8	17.95	406.3	17.22	395.4	16.84	384.6	16.39	373.7	16.06	351.7	15.34
		71.0	426.8	17.43	419.2	17.17	407.5	16.79	396.6	16.65	386.7	16.49	364.7	14.82
		88.8	428.6	17.43	422.3	17.17	412.3	16.90	400.6	16.65	389.7	16.49	367.7	15.77
		106.6	429.5	17.43	423.8	17.17	414.7	16.95	402.5	16.65	391.2	16.49	369.2	16.24
	77	28.4	433.4	17.23	422.3	16.74	412.3	16.45	404.5	16.18	395.4	15.94	372.8	14.89
		35.6	433.4	17.17	422.3	16.71	412.3	16.39	404.5	16.12	395.4	15.87	372.8	14.82
		71.0	433.4	16.90	422.3	16.60	412.3	16.12	404.5	15.87	395.4	15.60	372.8	14.56
		88.8	433.4	16.65	422.3	16.17	412.3	15.87	404.5	15.60	395.4	15.34	372.8	14.31
		106.6	433.4	16.53	422.3	15.95	412.3	15.75	404.5	15.47	395.4	15.20	372.8	14.19
	86	28.4	433.4	16.79	422.3	15.95	412.3	15.81	404.5	15.40	395.4	15.23	372.8	14.17
		35.6	433.4	16.65	422.3	15.93	412.3	15.71	404.5	15.34	395.4	15.09	372.8	14.04
		71.0	433.4	16.12	422.3	15.82	412.3	15.34	404.5	15.09	395.4	14.56	372.8	13.53
		88.8	433.4	15.87	422.3	15.39	412.3	15.09	404.5	14.82	395.4	14.56	372.8	13.53
		106.6	433.4	15.75	422.3	15.17	412.3	14.97	404.5	14.69	395.4	14.56	372.8	13.53
	95	28.4	433.4	16.01	422.3	15.48	412.3	15.16	404.5	14.62	395.4	14.11	372.8	13.12
		35.6	433.4	15.87	422.3	15.39	412.3	15.09	404.5	14.56	395.4	14.04	372.8	13.00
		71.0	433.4	15.34	422.3	15.04	412.3	14.82	404.5	14.31	395.4	13.78	372.8	12.48
		88.8	433.4	15.34	422.3	14.88	412.3	14.56	404.5	14.04	395.4	13.53	372.8	12.48
		106.6	433.4	15.34	422.3	14.80	412.3	14.42	404.5	13.91	395.4	13.41	372.8	12.48
	104	28.4	433.4	15.46	422.3	14.97	412.3	14.68	404.5	14.17	395.4	13.67	372.8	12.34
		35.6	433.4	15.34	422.3	14.88	412.3	14.56	404.5	14.04	395.4	13.53	372.8	12.21
		71.0	433.4	14.82	422.3	14.50	412.3	14.04	404.5	13.53	395.4	13.00	372.8	11.70
		88.8	433.4	14.56	422.3	14.26	412.3	14.04	404.5	13.53	395.4	13.00	372.8	11.70
		106.6	433.4	14.42	422.3	14.14	412.3	14.04	404.5	13.53	395.4	13.00	372.8	11.70
	113	28.4	433.4	14.95	422.3	14.46	412.3	14.24	404.5	13.73	395.4	13.19	372.8	11.56
		35.6	433.4	14.82	422.3	14.37	412.3	14.04	404.5	13.53	395.4	13.00	372.8	11.43
		71.0	433.4	14.31	422.3	13.99	412.3	13.26	404.5	12.75	395.4	12.21	372.8	10.92
		88.8	433.4	13.78	422.3	13.64	412.3	13.53	404.5	13.00	395.4	12.48	372.8	10.92
		106.6	433.4	13.50	422.3	13.46	412.3	13.67	404.5	13.12	395.4	12.62	372.8	10.92

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	23	28.4	145.7	16.34	144.5	15.39	143.6	14.32	141.9	13.72	143.0	13.32	139.3	11.92
		35.6	150.7	16.63	149.5	15.69	148.6	14.64	146.8	14.02	148.0	13.61	144.1	12.19
		71.0	170.6	17.76	169.1	16.87	168.2	15.87	166.1	15.20	167.6	14.77	163.1	13.24
		88.8	188.4	18.89	186.9	18.03	185.7	17.11	183.5	16.41	185.1	15.93	179.9	14.26
		106.6	197.3	19.46	195.8	18.61	194.5	17.74	192.4	17.02	193.9	16.51	188.4	14.77
	32	28.4	260.4	22.35	254.1	21.68	248.6	20.98	243.6	20.09	243.6	19.53	232.4	17.46
		35.6	261.9	22.41	255.6	21.74	250.2	21.04	245.0	20.15	245.0	19.59	233.9	17.52
		71.0	267.9	22.65	261.6	21.95	256.2	21.28	250.8	20.39	250.8	19.80	239.6	17.73
		88.8	272.2	22.65	265.8	21.95	260.1	21.28	254.7	20.39	254.4	19.80	243.2	17.73
		106.6	274.3	22.65	268.0	21.95	262.1	21.28	256.7	20.39	256.2	19.80	245.0	17.73
	41	28.4	375.4	24.02	369.7	23.43	361.7	22.83	352.9	21.87	341.8	21.25	323.1	19.03
		35.6	376.7	24.13	370.4	23.54	361.7	22.95	352.9	21.98	341.8	21.36	323.1	19.13
		71.0	382.2	24.56	373.1	23.97	361.7	23.41	352.9	22.44	341.8	21.79	323.1	19.51
		88.8	384.3	24.73	371.0	24.13	361.7	23.57	352.9	22.60	341.8	21.95	323.1	19.64
		106.6	385.3	24.81	370.0	24.21	361.7	23.65	352.9	22.68	341.8	22.04	323.1	19.71
	50	28.4	376.8	21.58	369.8	20.98	360.7	20.56	351.9	19.94	340.9	19.28	322.3	17.33
		35.6	378.6	21.66	371.3	21.07	361.7	20.64	352.9	19.96	341.8	19.26	323.1	17.35
		71.0	385.5	21.95	377.3	21.39	365.6	20.93	356.9	20.07	345.4	19.21	326.4	17.43
		88.8	387.6	21.87	376.1	21.39	367.1	21.01	358.4	20.15	346.9	19.29	327.9	18.03
		106.6	388.7	21.83	375.5	21.39	367.9	21.05	359.1	20.19	347.7	19.33	328.7	18.32
	59	28.4	377.9	19.14	370.2	18.58	359.6	18.29	351.0	18.01	340.0	17.29	321.3	15.67
		35.6	380.1	19.18	372.5	18.62	361.7	18.32	352.9	17.95	341.8	17.17	323.1	15.60
		71.0	388.8	19.34	381.6	18.78	369.8	18.46	360.8	17.68	348.7	16.65	330.0	15.34
		88.8	390.9	19.05	381.3	18.62	372.8	18.46	363.8	17.68	351.7	16.65	333.0	16.39
		106.6	392.0	18.90	381.1	18.54	374.3	18.46	365.3	17.68	353.2	16.65	334.6	16.91
	68	28.4	388.4	17.22	381.1	16.49	369.6	16.05	359.4	15.81	347.7	15.62	329.0	14.83
		35.6	390.9	17.22	383.4	16.55	371.6	16.12	361.7	15.87	349.9	15.60	330.9	14.77
		71.0	400.9	17.22	392.4	16.79	379.8	16.39	370.7	16.12	358.7	15.55	338.8	14.56
		88.8	402.7	17.06	392.1	16.65	382.8	16.39	372.8	16.12	360.8	15.60	340.9	15.09
		106.6	403.6	16.98	392.0	16.59	384.3	16.39	373.9	16.12	361.8	15.63	341.9	15.36
	77	28.4	407.3	16.28	395.4	15.52	382.8	15.23	374.6	14.89	364.7	14.62	344.8	13.60
		35.6	407.5	16.22	395.4	15.50	382.8	15.20	374.6	14.82	364.7	14.56	344.8	13.53
		71.0	408.4	15.98	395.4	15.39	382.8	15.09	374.6	14.56	364.7	14.31	344.8	13.26
		88.8	409.6	15.39	395.4	14.99	382.8	14.82	374.6	14.56	364.7	14.04	344.8	13.26
		106.6	410.2	15.09	395.4	14.78	382.8	14.69	374.6	14.56	364.7	13.91	344.8	13.26
	86	28.4	409.6	15.57	395.4	14.81	382.8	14.38	374.6	13.84	364.7	13.67	344.8	12.55
		35.6	409.6	15.44	395.4	14.72	382.8	14.31	374.6	13.78	364.7	13.53	344.8	12.48
		71.0	409.6	14.93	395.4	14.37	382.8	14.04	374.6	13.53	364.7	13.00	344.8	12.21
		88.8	409.6	14.45	395.4	14.04	382.8	13.78	374.6	13.53	364.7	13.00	344.8	11.97
		106.6	409.6	14.20	395.4	13.88	382.8	13.64	374.6	13.53	364.7	13.00	344.8	11.85
	95	28.4	409.6	14.87	395.4	14.07	382.8	13.67	374.6	13.12	364.7	12.61	344.8	11.50
		35.6	409.6	14.66	395.4	13.94	382.8	13.53	374.6	13.00	364.7	12.48	344.8	11.43
		71.0	409.6	13.83	395.4	13.43	382.8	13.00	374.6	12.48	364.7	11.97	344.8	11.19
		88.8	409.6	13.67	395.4	13.32	382.8	13.00	374.6	12.48	364.7	11.97	344.8	10.92
		106.6	409.6	13.59	395.4	13.26	382.8	13.00	374.6	12.48	364.7	11.97	344.8	10.79
	104	28.4	409.6	14.43	395.4	13.42	382.8	12.89	374.6	12.34	364.7	11.83	344.8	10.72
		35.6	409.6	14.15	395.4	13.26	382.8	12.75	374.6	12.21	364.7	11.70	344.8	10.65
		71.0	409.6	13.05	395.4	12.65	382.8	12.21	374.6	11.70	364.7	11.19	344.8	10.41
		88.8	409.6	12.89	395.4	12.48	382.8	12.21	374.6	11.70	364.7	11.19	344.8	10.14
		106.6	409.6	12.81	395.4	12.40	382.8	12.21	374.6	11.70	364.7	11.19	344.8	10.01
	113	28.4	409.6	13.99	395.4	12.77	382.8	12.11	374.6	11.56	364.7	11.05	344.8	9.94
		35.6	409.6	13.64	395.4	12.59	382.8	11.97	374.6	11.43	364.7	10.92	344.8	9.87
		71.0	409.6	12.27	395.4	11.87	382.8	11.43	374.6	10.92	364.7	10.41	344.8	9.63
		88.8	409.6	12.11	395.4	11.65	382.8	11.43	374.6	10.92	364.7	10.41	344.8	9.36
		106.6	409.6	12.03	395.4	11.54	382.8	11.43	374.6	10.92	364.7	10.41	344.8	9.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM288DAS5

288,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	23	28.4	137.8	16.56	136.9	15.39	136.0	14.32	134.6	13.72	135.0	13.32	132.0	11.92
		35.6	142.6	16.84	141.7	15.69	140.8	14.64	139.2	14.02	139.5	13.61	136.5	12.19
		71.0	161.2	17.97	160.3	16.87	159.4	15.87	157.6	15.20	157.6	14.77	154.6	13.24
		88.8	178.1	19.13	176.9	18.03	176.0	17.11	174.2	16.41	174.2	15.93	170.6	14.26
		106.6	186.6	19.71	185.3	18.61	184.4	17.74	182.6	17.02	182.6	16.51	178.6	14.77
	32	28.4	246.3	22.65	240.9	21.68	235.8	20.98	231.3	20.09	229.2	19.53	220.5	17.46
		35.6	247.7	22.71	242.3	21.74	237.2	21.04	232.7	20.15	230.6	19.59	221.8	17.52
		71.0	253.5	22.92	248.0	21.95	242.6	21.28	238.1	20.39	236.0	19.80	227.0	17.73
		88.8	257.4	22.92	252.0	21.95	246.5	21.28	241.7	20.39	239.6	19.80	230.3	17.73
		106.6	259.4	22.92	253.9	21.95	248.5	21.28	243.5	20.39	241.4	19.80	231.9	17.73
	41	28.4	359.3	24.35	350.7	23.43	342.6	22.83	334.9	21.87	321.9	21.25	306.2	19.03
		35.6	360.5	24.46	351.4	23.54	342.7	22.95	334.9	21.98	321.9	21.36	306.2	19.13
		71.0	365.3	24.89	354.1	23.97	343.0	23.41	334.9	22.44	321.9	21.79	306.2	19.51
		88.8	367.4	25.05	355.0	24.13	343.0	23.57	334.9	22.60	321.9	21.95	306.2	19.64
		106.6	368.5	25.13	355.5	24.21	343.0	23.65	334.9	22.68	321.9	22.04	306.2	19.71
	50	28.4	360.6	21.83	351.7	21.09	342.2	20.63	334.3	19.94	321.4	19.28	305.8	17.33
		35.6	362.0	21.87	352.6	21.15	342.7	20.69	334.9	19.96	321.9	19.26	306.2	17.35
		71.0	367.4	22.04	356.2	21.39	344.8	20.93	337.0	20.07	324.0	19.21	307.7	17.43
		88.8	369.5	22.04	357.8	21.39	346.0	20.88	337.6	20.02	324.6	19.29	308.6	17.62
		106.6	370.6	22.04	358.5	21.39	346.6	20.85	337.9	19.99	324.9	19.33	309.1	17.72
	59	28.4	361.7	19.32	352.2	18.78	342.0	18.46	333.9	18.01	320.8	17.29	305.5	15.67
		35.6	363.2	19.29	353.5	18.78	343.0	18.46	334.9	17.95	321.9	17.17	306.2	15.60
		71.0	369.2	19.18	358.7	18.78	346.9	18.46	338.8	17.68	326.1	16.65	309.2	15.34
		88.8	371.3	19.05	360.5	18.62	348.7	18.21	340.0	17.43	327.0	16.65	311.0	15.60
		106.6	372.4	18.98	361.4	18.54	349.6	18.09	340.6	17.31	327.5	16.65	312.0	15.74
	68	28.4	368.4	16.67	358.3	16.28	346.8	15.87	337.5	15.60	325.1	15.16	308.0	14.18
		35.6	370.4	16.71	359.6	16.28	347.8	15.87	338.8	15.60	326.1	15.09	309.2	14.15
		71.0	378.3	16.84	364.4	16.28	351.7	15.87	343.9	15.60	330.0	14.82	314.1	14.04
		88.8	380.4	16.84	367.4	16.28	353.8	15.87	344.8	15.34	331.8	14.82	315.0	14.04
		106.6	381.4	16.84	368.9	16.28	354.9	15.87	345.3	15.20	332.7	14.82	315.4	14.04
	77	28.4	379.9	15.17	368.6	14.62	353.8	14.38	346.0	13.84	333.9	13.33	316.2	12.21
		35.6	380.7	15.15	368.6	14.56	353.8	14.31	346.0	13.78	333.9	13.26	316.2	12.21
		71.0	383.7	15.04	368.6	14.31	353.8	14.04	346.0	13.53	333.9	13.00	316.2	12.21
		88.8	385.5	15.04	368.6	14.37	353.8	13.78	346.0	13.53	333.9	12.75	316.2	11.97
		106.6	386.4	15.04	368.6	14.39	353.8	13.64	346.0	13.53	333.9	12.63	316.2	11.85
	86	28.4	385.5	13.84	368.6	13.33	353.8	12.82	346.0	12.55	333.9	11.77	316.2	10.99
		35.6	385.5	13.78	368.6	13.26	353.8	12.75	346.0	12.48	333.9	11.70	316.2	10.92
		71.0	385.5	13.53	368.6	13.00	353.8	12.48	346.0	12.21	333.9	11.43	316.2	10.65
		88.8	385.5	13.43	368.6	12.75	353.8	12.21	346.0	11.97	333.9	11.43	316.2	10.65
		106.6	385.5	13.37	368.6	12.63	353.8	12.08	346.0	11.85	333.9	11.43	316.2	10.65
	95	28.4	385.5	13.12	368.6	12.28	353.8	11.77	346.0	11.26	333.9	10.72	316.2	9.94
		35.6	385.5	13.00	368.6	12.21	353.8	11.70	346.0	11.19	333.9	10.65	316.2	9.87
		71.0	385.5	12.48	368.6	11.97	353.8	11.43	346.0	10.92	333.9	10.41	316.2	9.63
		88.8	385.5	12.16	368.6	11.70	353.8	11.19	346.0	10.92	333.9	10.41	316.2	9.63
		106.6	385.5	12.00	368.6	11.57	353.8	11.07	346.0	10.92	333.9	10.41	316.2	9.63
	104	28.4	385.5	12.34	368.6	11.83	353.8	11.05	346.0	10.48	333.9	9.94	316.2	9.15
		35.6	385.5	12.21	368.6	11.70	353.8	10.92	346.0	10.41	333.9	9.87	316.2	9.09
		71.0	385.5	11.70	368.6	11.19	353.8	10.41	346.0	10.14	333.9	9.63	316.2	8.85
		88.8	385.5	11.54	368.6	10.92	353.8	10.41	346.0	9.87	333.9	9.36	316.2	8.58
		106.6	385.5	11.46	368.6	10.79	353.8	10.41	346.0	9.74	333.9	9.23	316.2	8.45
	113	28.4	385.5	11.56	368.6	11.39	353.8	10.34	346.0	9.70	333.9	9.15	316.2	8.37
		35.6	385.5	11.43	368.6	11.19	353.8	10.14	346.0	9.63	333.9	9.09	316.2	8.31
		71.0	385.5	10.92	368.6	10.41	353.8	9.36	346.0	9.36	333.9	8.85	316.2	8.07
		88.8	385.5	10.92	368.6	10.14	353.8	9.63	346.0	8.85	333.9	8.31	316.2	7.53
		106.6	385.5	10.92	368.6	10.01	353.8	9.77	346.0	8.59	333.9	8.04	316.2	7.26

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahrirectory.org](http://www.ahrirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	28.4	130.2	16.56	129.3	15.60	128.8	14.32	127.7	13.72	126.5	13.11	124.1	11.92
		35.6	134.7	16.84	133.8	15.90	133.2	14.64	132.0	14.02	130.8	13.40	128.4	12.19
		71.0	152.5	17.97	151.6	17.08	150.7	15.87	149.2	15.20	148.0	14.56	145.6	13.24
		88.8	168.5	19.13	167.3	18.27	166.4	17.11	164.9	16.41	163.7	15.69	160.6	14.26
	32	106.6	176.5	19.71	175.2	18.86	174.3	17.74	172.8	17.02	171.6	16.25	168.2	14.77
		28.4	232.8	22.65	227.7	21.98	222.9	20.98	219.0	20.09	215.1	19.24	207.6	17.46
		35.6	234.2	22.71	229.1	22.04	224.2	21.04	220.3	20.15	216.4	19.29	208.9	17.52
		71.0	239.6	22.92	234.5	22.25	229.4	21.28	225.4	20.39	221.5	19.51	213.7	17.73
	41	88.8	243.2	22.92	238.1	22.25	233.0	21.28	228.8	20.39	224.8	19.51	217.0	17.73
		106.6	245.0	22.92	239.9	22.25	234.8	21.28	230.4	20.39	226.5	19.51	218.7	17.73
		28.4	343.6	24.35	332.1	23.76	323.6	22.83	317.1	21.87	302.0	20.93	288.1	19.03
		35.6	344.8	24.46	332.7	23.86	323.7	22.95	317.1	21.98	302.0	21.04	288.1	19.13
	50	71.0	349.6	24.89	335.2	24.30	324.0	23.41	317.1	22.44	302.0	21.47	288.1	19.51
		88.8	351.7	25.05	336.1	24.46	324.0	23.57	317.1	22.60	302.0	21.60	288.1	19.64
		106.6	352.8	25.13	336.5	24.54	324.0	23.65	317.1	22.68	302.0	21.67	288.1	19.71
	59	28.4	345.5	21.77	333.2	21.29	324.0	20.63	317.1	19.94	302.0	18.95	288.1	17.33
		35.6	346.3	21.87	333.6	21.36	324.0	20.69	317.1	19.96	302.0	18.97	288.1	17.35
		71.0	349.6	22.28	335.5	21.63	324.0	20.93	317.1	20.07	302.0	19.05	288.1	17.43
		88.8	352.0	22.20	337.0	21.63	324.0	20.88	317.1	20.02	302.0	18.99	288.1	17.35
	68	106.6	353.2	22.16	337.7	21.63	324.0	20.85	317.1	19.99	302.0	18.97	288.1	17.31
		28.4	347.4	19.20	334.6	18.87	324.0	18.46	317.1	18.01	302.0	16.96	288.1	15.67
		35.6	347.8	19.29	334.9	18.89	324.0	18.46	317.1	17.95	302.0	16.90	288.1	15.60
		71.0	349.6	19.67	335.8	18.94	324.0	18.46	317.1	17.68	302.0	16.65	288.1	15.34
	77	88.8	352.6	19.34	337.6	18.78	324.0	18.21	317.1	17.43	302.0	16.39	288.1	15.09
		106.6	354.2	19.18	338.5	18.70	324.0	18.09	317.1	17.31	302.0	16.25	288.1	14.97
	86	28.4	349.2	16.42	336.4	15.99	324.0	15.60	317.1	15.40	302.0	14.38	288.1	13.67
		35.6	350.5	16.49	336.7	16.01	324.0	15.60	317.1	15.34	302.0	14.31	288.1	13.53
		71.0	355.6	16.79	337.6	16.06	324.0	15.60	317.1	15.09	302.0	14.04	288.1	13.00
		88.8	357.8	16.49	340.6	15.93	324.0	15.34	317.1	14.82	302.0	13.78	288.1	12.75
	95	106.6	358.8	16.34	342.1	15.86	324.0	15.20	317.1	14.69	302.0	13.64	288.1	12.63
		28.4	353.4	14.35	341.8	13.90	324.0	13.33	317.1	12.82	302.0	12.04	288.1	10.92
		35.6	354.7	14.37	341.8	13.83	324.0	13.26	317.1	12.75	302.0	11.97	288.1	10.92
		71.0	359.9	14.42	341.8	13.53	324.0	13.00	317.1	12.48	302.0	11.70	288.1	10.92
	104	88.8	361.7	14.10	341.8	13.43	324.0	12.75	317.1	12.21	302.0	11.70	288.1	10.65
		106.6	362.6	13.94	341.8	13.37	324.0	12.63	317.1	12.08	302.0	11.70	288.1	10.52
		28.4	361.7	13.06	341.8	12.04	324.0	11.22	317.1	10.99	302.0	10.14	288.1	9.70
		35.6	361.7	13.00	341.8	11.97	324.0	11.19	317.1	10.92	302.0	10.14	288.1	9.63
	113	71.0	361.7	12.75	341.8	11.70	324.0	11.08	317.1	10.65	302.0	10.14	288.1	9.36
		88.8	361.7	12.48	341.8	11.70	324.0	10.92	317.1	10.65	302.0	9.87	288.1	9.36
		106.6	361.7	12.35	341.8	11.70	324.0	10.84	317.1	10.65	302.0	9.74	288.1	9.36
		28.4	361.7	12.11	341.8	11.05	324.0	9.90	317.1	9.70	302.0	9.15	288.1	8.37
	100	35.6	361.7	11.97	341.8	10.92	324.0	9.87	317.1	9.63	302.0	9.09	288.1	8.31
		71.0	361.7	11.43	341.8	10.41	324.0	9.77	317.1	9.36	302.0	8.85	288.1	8.07
		88.8	361.7	11.43	341.8	10.41	324.0	9.63	317.1	9.36	302.0	8.85	288.1	8.07
		106.6	361.7	11.43	341.8	10.41	324.0	9.56	317.1	9.36	302.0	8.85	288.1	8.07
	104	28.4	361.7	11.33	341.8	10.27	324.0	8.88	317.1	8.65	302.0	8.14	288.1	7.59
		35.6	361.7	11.19	341.8	10.14	324.0	8.85	317.1	8.58	302.0	8.07	288.1	7.53
		71.0	361.7	10.65	341.8	9.63	324.0	8.74	317.1	8.31	302.0	7.80	288.1	7.29
		88.8	361.7	10.41	341.8	9.63	324.0	8.58	317.1	8.31	302.0	7.80	288.1	7.29
	113	106.6	361.7	10.29	341.8	9.63	324.0	8.50	317.1	8.31	302.0	7.80	288.1	7.29
		28.4	361.7	10.55	341.8	9.49	324.0	7.83	317.1	7.59	302.0	7.09	288.1	6.81
		35.6	361.7	10.41	341.8	9.36	324.0	7.80	317.1	7.53	302.0	7.02	288.1	6.75
		71.0	361.7	9.87	341.8	8.85	324.0	7.69	317.1	7.29	302.0	6.75	288.1	6.51
		88.8	361.7	9.36	341.8	8.85	324.0	7.53	317.1	7.29	302.0	6.75	288.1	6.51
		106.6	361.7	9.11	341.8	8.85	324.0	7.45	317.1	7.29	302.0	6.75	288.1	6.51

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM288DAS5

288,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	28.4	122.9	15.37	119.2	13.99	115.7	12.29	114.8	11.71	113.9	11.29	111.9	10.13
		35.6	127.2	15.63	123.3	14.26	119.7	12.56	118.7	11.97	117.8	11.54	115.7	10.36
		71.0	144.1	16.68	139.5	15.31	135.3	13.64	134.4	13.00	133.5	12.54	130.8	11.25
		88.8	159.1	17.73	154.0	16.39	149.5	14.72	148.3	14.02	147.4	13.51	144.7	12.13
		106.6	166.7	18.26	161.3	16.93	156.6	15.26	155.3	14.53	154.4	13.99	151.7	12.58
	32	28.4	219.9	20.93	209.8	19.64	200.1	18.03	197.2	17.20	193.9	16.55	186.6	14.86
		35.6	221.2	20.99	211.0	19.69	201.3	18.08	198.3	17.25	195.0	16.60	187.8	14.91
		71.0	226.3	21.20	215.8	19.91	206.2	18.27	202.8	17.43	199.5	16.79	192.3	15.07
		88.8	229.7	21.20	219.1	19.91	209.5	18.27	205.9	17.43	202.8	16.79	195.3	15.07
		106.6	231.3	21.20	220.8	19.91	211.1	18.27	207.4	17.43	204.5	16.79	196.8	15.07
	41	28.4	310.7	22.47	300.7	21.21	291.1	19.63	285.1	18.71	272.5	18.01	259.5	16.17
		35.6	311.0	22.57	300.5	21.31	291.1	19.72	285.1	18.81	272.5	18.11	259.5	16.25
		71.0	312.2	22.98	299.6	21.71	291.1	20.10	285.1	19.18	272.5	18.48	259.5	16.57
		88.8	314.1	23.11	300.5	21.85	291.1	20.26	285.1	19.32	272.5	18.62	259.5	16.71
		106.6	315.0	23.18	300.9	21.91	291.1	20.34	285.1	19.39	272.5	18.69	259.5	16.78
	50	28.4	312.4	19.84	301.8	18.87	291.1	17.76	285.1	17.04	272.5	16.34	259.5	14.73
		35.6	312.2	19.86	301.4	18.89	291.1	17.78	285.1	17.06	272.5	16.33	259.5	14.74
		71.0	311.6	19.91	299.9	18.97	291.1	17.86	285.1	17.14	272.5	16.28	259.5	14.80
		88.8	313.8	19.86	300.8	18.91	291.1	17.81	285.1	17.08	272.5	16.33	259.5	14.85
		106.6	314.8	19.83	301.2	18.89	291.1	17.78	285.1	17.06	272.5	16.36	259.5	14.88
	59	28.4	314.0	17.18	302.8	16.56	291.1	15.94	285.1	15.40	272.5	14.68	259.5	13.33
		35.6	313.5	17.11	302.3	16.49	291.1	15.87	285.1	15.34	272.5	14.56	259.5	13.26
		71.0	311.3	16.84	300.2	16.22	291.1	15.60	285.1	15.09	272.5	14.04	259.5	13.00
		88.8	313.5	16.60	301.1	15.98	291.1	15.34	285.1	14.82	272.5	14.04	259.5	13.00
		106.6	314.5	16.48	301.5	15.86	291.1	15.20	285.1	14.69	272.5	14.04	259.5	13.00
	68	28.4	315.9	14.50	304.1	14.09	291.1	13.60	285.1	13.06	272.5	12.61	259.5	11.83
		35.6	315.6	14.50	303.5	14.04	291.1	13.53	285.1	13.00	272.5	12.48	259.5	11.70
		71.0	314.4	14.50	301.1	13.88	291.1	13.26	285.1	12.75	272.5	11.97	259.5	11.19
		88.8	315.3	14.26	302.0	13.78	291.1	13.26	285.1	12.75	272.5	11.97	259.5	11.19
		106.6	315.7	14.14	302.5	13.72	291.1	13.26	285.1	12.75	272.5	11.97	259.5	11.19
	77	28.4	321.1	12.67	308.0	12.00	291.1	11.50	285.1	10.92	272.5	10.48	259.5	9.70
		35.6	321.9	12.65	308.0	11.97	291.1	11.43	285.1	10.92	272.5	10.41	259.5	9.63
		71.0	324.9	12.54	308.0	11.87	291.1	11.19	285.1	10.92	272.5	10.14	259.5	9.36
		88.8	326.1	12.21	308.0	11.60	291.1	11.19	285.1	10.65	272.5	10.14	259.5	9.36
		106.6	326.7	12.05	308.0	11.46	291.1	11.19	285.1	10.52	272.5	10.14	259.5	9.36
	86	28.4	326.1	11.50	308.0	10.72	291.1	9.94	285.1	9.70	272.5	9.15	259.5	8.31
		35.6	326.1	11.43	308.0	10.65	291.1	9.87	285.1	9.63	272.5	9.09	259.5	8.31
		71.0	326.1	11.19	308.0	10.41	291.1	9.63	285.1	9.36	272.5	8.85	259.5	8.31
		88.8	326.1	10.92	308.0	10.14	291.1	9.63	285.1	9.36	272.5	8.85	259.5	8.07
		106.6	326.1	10.79	308.0	10.01	291.1	9.63	285.1	9.36	272.5	8.85	259.5	7.95
	95	28.4	326.1	10.48	308.0	9.70	291.1	8.92	285.1	8.65	272.5	8.14	259.5	7.59
		35.6	326.1	10.41	308.0	9.63	291.1	8.85	285.1	8.58	272.5	8.07	259.5	7.53
		71.0	326.1	10.14	308.0	9.36	291.1	8.58	285.1	8.31	272.5	7.80	259.5	7.29
		88.8	326.1	9.87	308.0	9.09	291.1	8.31	285.1	8.07	272.5	7.80	259.5	7.29
		106.6	326.1	9.74	308.0	8.96	291.1	8.18	285.1	7.95	272.5	7.80	259.5	7.29
	104	28.4	326.1	9.77	308.0	8.92	291.1	7.87	285.1	7.59	272.5	7.36	259.5	6.81
		35.6	326.1	9.63	308.0	8.85	291.1	7.80	285.1	7.53	272.5	7.29	259.5	6.75
		71.0	326.1	9.09	308.0	8.58	291.1	7.53	285.1	7.29	272.5	7.02	259.5	6.51
		88.8	326.1	9.09	308.0	8.58	291.1	7.53	285.1	7.29	272.5	7.02	259.5	6.51
		106.6	326.1	9.09	308.0	8.58	291.1	7.53	285.1	7.29	272.5	7.02	259.5	6.51
	113	28.4	326.1	9.05	308.0	8.14	291.1	6.81	285.1	6.58	272.5	6.58	259.5	6.03
		35.6	326.1	8.85	308.0	8.07	291.1	6.75	285.1	6.51	272.5	6.51	259.5	5.97
		71.0	326.1	8.07	308.0	7.80	291.1	6.51	285.1	6.24	272.5	6.24	259.5	5.73
		88.8	326.1	8.31	308.0	8.07	291.1	6.75	285.1	6.51	272.5	6.24	259.5	5.73
		106.6	326.1	8.44	308.0	8.21	291.1	6.88	285.1	6.65	272.5	6.24	259.5	5.73

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	23	28.4	116.3	10.95	109.0	10.53	103.2	10.09	102.0	9.74	101.4	9.29	99.4	8.56
		35.6	120.3	11.19	112.7	10.76	106.7	10.30	105.5	9.95	104.9	9.50	102.8	8.74
		71.0	135.9	12.16	127.5	11.68	120.6	11.17	119.4	10.79	118.7	10.30	116.3	9.47
		88.8	150.4	13.10	140.8	12.59	133.2	12.05	131.7	11.65	131.1	11.11	128.4	10.22
		106.6	157.7	13.58	147.4	13.05	139.6	12.50	137.9	12.08	137.3	11.52	134.5	10.60
	32	28.4	207.6	16.07	191.4	15.42	178.3	14.78	174.9	14.27	172.5	13.60	166.0	12.53
		35.6	208.9	16.12	192.6	15.47	179.3	14.82	176.0	14.31	173.6	13.64	167.0	12.56
		71.0	214.0	16.30	197.1	15.66	183.5	14.99	180.2	14.47	177.8	13.80	170.9	12.70
		88.8	217.0	16.30	200.1	15.66	186.6	14.99	182.9	14.47	180.5	13.80	173.6	12.70
		106.6	218.5	16.30	201.6	15.66	188.1	14.99	184.3	14.47	181.9	13.80	175.0	12.70
	41	28.4	287.2	17.47	271.0	16.81	259.1	16.05	253.5	15.52	242.6	14.80	230.6	13.62
		35.6	287.8	17.57	271.6	16.90	259.2	16.14	253.5	15.60	242.6	14.88	230.6	13.69
		71.0	290.2	17.95	273.7	17.22	259.5	16.49	253.5	15.93	242.6	15.17	230.6	13.99
		88.8	290.2	18.05	273.4	17.35	259.5	16.60	253.5	16.04	242.6	15.28	230.6	14.07
		106.6	290.2	18.11	273.2	17.42	259.5	16.65	253.5	16.09	242.6	15.34	230.6	14.11
	50	28.4	288.7	16.08	272.2	15.36	259.1	14.58	253.5	14.17	242.6	13.42	230.6	12.42
		35.6	289.0	16.06	272.5	15.34	259.2	14.58	253.5	14.18	242.6	13.43	230.6	12.43
		71.0	290.2	15.98	273.7	15.26	259.5	14.61	253.5	14.21	242.6	13.45	230.6	12.46
		88.8	290.2	15.93	273.4	15.31	259.5	14.66	253.5	14.13	242.6	13.37	230.6	12.38
		106.6	290.2	15.90	273.2	15.34	259.5	14.69	253.5	14.08	242.6	13.33	230.6	12.34
	59	28.4	290.2	14.68	273.4	13.90	259.5	13.06	253.5	12.82	242.6	12.04	230.6	11.26
		35.6	290.2	14.56	273.4	13.78	259.5	13.00	253.5	12.75	242.6	11.97	230.6	11.19
		71.0	290.2	14.04	273.4	13.26	259.5	12.75	253.5	12.48	242.6	11.70	230.6	10.92
		88.8	290.2	13.78	273.4	13.26	259.5	12.75	253.5	12.21	242.6	11.43	230.6	10.65
		106.6	290.2	13.64	273.4	13.26	259.5	12.75	253.5	12.08	242.6	11.30	230.6	10.52
	68	28.4	290.2	12.28	273.4	11.77	259.5	11.19	253.5	10.99	242.6	10.48	230.6	9.70
		35.6	290.2	12.21	273.4	11.70	259.5	11.19	253.5	10.92	242.6	10.41	230.6	9.63
		71.0	290.2	11.97	273.4	11.43	259.5	11.19	253.5	10.65	242.6	10.14	230.6	9.36
		88.8	290.2	11.70	273.4	11.19	259.5	10.92	253.5	10.65	242.6	9.87	230.6	9.36
		106.6	290.2	11.57	273.4	11.07	259.5	10.79	253.5	10.65	242.6	9.74	230.6	9.36
	77	28.4	290.2	10.99	273.4	10.21	259.5	9.63	253.5	9.43	242.6	8.92	230.6	8.37
		35.6	290.2	10.92	273.4	10.14	259.5	9.63	253.5	9.36	242.6	8.85	230.6	8.31
		71.0	290.2	10.65	273.4	9.87	259.5	9.63	253.5	9.09	242.6	8.58	230.6	8.07
		88.8	290.2	10.41	273.4	9.87	259.5	9.36	253.5	9.09	242.6	8.58	230.6	8.07
		106.6	290.2	10.29	273.4	9.87	259.5	9.23	253.5	9.09	242.6	8.58	230.6	8.07
	86	28.4	290.2	9.70	273.4	9.15	259.5	8.65	253.5	8.37	242.6	7.87	230.6	7.36
		35.6	290.2	9.63	273.4	9.09	259.5	8.58	253.5	8.31	242.6	7.80	230.6	7.29
		71.0	290.2	9.36	273.4	8.85	259.5	8.31	253.5	8.07	242.6	7.53	230.6	7.02
		88.8	290.2	9.36	273.4	8.85	259.5	8.31	253.5	8.07	242.6	7.53	230.6	7.02
		106.6	290.2	9.36	273.4	8.85	259.5	8.31	253.5	8.07	242.6	7.53	230.6	7.02
95	28.4	290.2	8.92	273.4	8.37	259.5	7.59	253.5	7.29	242.6	7.09	230.6	6.51	
	35.6	290.2	8.85	273.4	8.31	259.5	7.53	253.5	7.29	242.6	7.02	230.6	6.51	
	71.0	290.2	8.58	273.4	8.07	259.5	7.29	253.5	7.29	242.6	6.75	230.6	6.51	
	88.8	290.2	8.58	273.4	7.80	259.5	7.29	253.5	7.02	242.6	6.75	230.6	6.24	
	106.6	290.2	8.58	273.4	7.67	259.5	7.29	253.5	6.89	242.6	6.75	230.6	6.11	
104	28.4	290.2	8.44	273.4	7.59	259.5	6.75	253.5	6.81	242.6	6.24	230.6	6.03	
	35.6	290.2	8.31	273.4	7.53	259.5	6.75	253.5	6.75	242.6	6.24	230.6	5.97	
	71.0	290.2	7.80	273.4	7.29	259.5	6.75	253.5	6.51	242.6	6.24	230.6	5.73	
	88.8	290.2	7.80	273.4	7.29	259.5	6.51	253.5	6.51	242.6	6.24	230.6	5.73	
	106.6	290.2	7.80	273.4	7.29	259.5	6.39	253.5	6.51	242.6	6.24	230.6	5.73	
113	28.4	290.2	8.00	273.4	6.81	259.5	5.90	253.5	6.37	242.6	5.39	230.6	5.59	
	35.6	290.2	7.80	273.4	6.75	259.5	5.97	253.5	6.24	242.6	5.46	230.6	5.46	
	71.0	290.2	7.02	273.4	6.51	259.5	6.24	253.5	5.73	242.6	5.73	230.6	4.95	
	88.8	290.2	7.02	273.4	6.75	259.5	5.73	253.5	5.97	242.6	5.73	230.6	5.19	
	106.6	290.2	7.02	273.4	6.88	259.5	5.47	253.5	6.09	242.6	5.73	230.6	5.31	

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM288DAS5

288,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	28.4	101.4	9.40	95.3	8.95	90.1	8.66	89.2	8.16	88.6	7.87	87.1	7.16
		35.6	104.9	9.61	98.6	9.15	93.1	8.85	92.2	8.34	91.6	8.04	90.1	7.32
		71.0	118.7	10.41	111.5	9.93	105.2	9.61	104.3	9.04	103.7	8.72	101.9	7.94
		88.8	131.4	11.25	123.3	10.71	116.3	10.36	115.4	9.74	114.5	9.42	112.4	8.56
		106.6	137.8	11.67	129.2	11.10	122.0	10.74	121.1	10.09	120.0	9.77	117.7	8.87
	32	28.4	181.6	13.76	167.8	13.12	155.8	12.69	153.1	11.94	150.7	11.54	145.3	10.49
		35.6	182.6	13.80	168.8	13.16	156.7	12.73	154.0	11.97	151.6	11.57	146.2	10.52
		71.0	186.9	13.96	172.7	13.29	160.3	12.89	157.6	12.11	155.2	11.70	149.5	10.63
		88.8	189.6	13.96	175.4	13.29	162.8	12.89	160.0	12.11	157.6	11.70	151.9	10.63
		106.6	190.9	13.96	176.8	13.29	164.0	12.89	161.3	12.11	158.8	11.70	153.1	10.63
	41	28.4	250.8	14.99	237.6	14.27	226.3	13.81	221.5	13.01	211.6	12.55	201.6	11.40
		35.6	251.4	15.07	238.1	14.34	226.3	13.88	221.5	13.08	211.6	12.62	201.6	11.46
		71.0	253.5	15.36	239.9	14.64	226.6	14.18	221.5	13.32	211.6	12.89	201.6	11.70
		88.8	253.5	15.47	239.6	14.74	226.6	14.29	221.5	13.43	211.6	12.97	201.6	11.78
		106.6	253.5	15.52	239.5	14.80	226.6	14.34	221.5	13.48	211.6	13.01	201.6	11.82
	50	28.4	252.0	13.80	238.5	13.05	226.6	12.56	221.5	11.87	211.6	11.38	201.6	10.41
		35.6	252.3	13.78	238.7	13.02	226.6	12.54	221.5	11.87	211.6	11.38	201.6	10.41
		71.0	253.5	13.67	239.6	12.91	226.6	12.43	221.5	11.87	211.6	11.38	201.6	10.41
		88.8	253.5	13.72	239.6	12.97	226.6	12.48	221.5	11.92	211.6	11.30	201.6	10.44
		106.6	253.5	13.75	239.6	13.00	226.6	12.51	221.5	11.95	211.6	11.26	201.6	10.45
	59	28.4	253.5	12.61	239.6	11.83	226.6	11.33	221.5	10.72	211.6	10.21	201.6	9.43
		35.6	253.5	12.48	239.6	11.70	226.6	11.19	221.5	10.65	211.6	10.14	201.6	9.36
		71.0	253.5	11.97	239.6	11.19	226.6	10.65	221.5	10.41	211.6	9.87	201.6	9.09
		88.8	253.5	11.97	239.6	11.19	226.6	10.65	221.5	10.41	211.6	9.63	201.6	9.09
		106.6	253.5	11.97	239.6	11.19	226.6	10.65	221.5	10.41	211.6	9.51	201.6	9.09
	68	28.4	253.5	10.48	239.6	9.94	226.6	9.70	221.5	9.43	211.6	8.92	201.6	8.37
		35.6	253.5	10.41	239.6	9.87	226.6	9.63	221.5	9.36	211.6	8.85	201.6	8.31
		71.0	253.5	10.14	239.6	9.63	226.6	9.36	221.5	9.09	211.6	8.58	201.6	8.07
		88.8	253.5	10.14	239.6	9.63	226.6	9.36	221.5	8.85	211.6	8.58	201.6	7.80
		106.6	253.5	10.14	239.6	9.63	226.6	9.36	221.5	8.73	211.6	8.58	201.6	7.67
	77	28.4	253.5	9.43	239.6	8.92	226.6	8.37	221.5	8.14	211.6	7.53	201.6	7.02
		35.6	253.5	9.36	239.6	8.85	226.6	8.31	221.5	8.07	211.6	7.53	201.6	7.02
		71.0	253.5	9.09	239.6	8.58	226.6	8.07	221.5	7.80	211.6	7.53	201.6	7.02
		88.8	253.5	8.85	239.6	8.31	226.6	8.07	221.5	7.80	211.6	7.29	201.6	7.02
		106.6	253.5	8.73	239.6	8.18	226.6	8.07	221.5	7.80	211.6	7.17	201.6	7.02
	86	28.4	253.5	8.37	239.6	7.87	226.6	7.36	221.5	7.02	211.6	6.81	201.6	6.24
		35.6	253.5	8.31	239.6	7.80	226.6	7.29	221.5	7.02	211.6	6.75	201.6	6.24
		71.0	253.5	8.07	239.6	7.53	226.6	7.02	221.5	7.02	211.6	6.51	201.6	6.24
		88.8	253.5	8.07	239.6	7.53	226.6	7.02	221.5	6.75	211.6	6.51	201.6	6.24
		106.6	253.5	8.07	239.6	7.53	226.6	7.02	221.5	6.62	211.6	6.51	201.6	6.24
	95	28.4	253.5	7.59	239.6	7.09	226.6	6.51	221.5	6.58	211.6	5.97	201.6	5.80
		35.6	253.5	7.53	239.6	7.02	226.6	6.51	221.5	6.51	211.6	5.97	201.6	5.73
		71.0	253.5	7.29	239.6	6.75	226.6	6.51	221.5	6.24	211.6	5.97	201.6	5.46
		88.8	253.5	7.29	239.6	6.75	226.6	6.24	221.5	6.24	211.6	5.97	201.6	5.46
		106.6	253.5	7.29	239.6	6.75	226.6	6.11	221.5	6.24	211.6	5.97	201.6	5.46
	104	28.4	253.5	7.09	239.6	6.58	226.6	6.03	221.5	5.73	211.6	5.46	201.6	5.25
		35.6	253.5	7.02	239.6	6.51	226.6	5.97	221.5	5.73	211.6	5.46	201.6	5.19
		71.0	253.5	6.75	239.6	6.24	226.6	5.73	221.5	5.73	211.6	5.46	201.6	4.95
		88.8	253.5	6.75	239.6	6.24	226.6	5.73	221.5	5.46	211.6	5.19	201.6	4.95
		106.6	253.5	6.75	239.6	6.24	226.6	5.73	221.5	5.33	211.6	5.06	201.6	4.95
	113	28.4	253.5	6.58	239.6	6.03	226.6	5.59	221.5	4.89	211.6	4.95	201.6	4.75
		35.6	253.5	6.51	239.6	5.97	226.6	5.46	221.5	4.95	211.6	4.95	201.6	4.68
		71.0	253.5	6.24	239.6	5.73	226.6	4.95	221.5	5.19	211.6	4.95	201.6	4.41
		88.8	253.5	6.24	239.6	5.73	226.6	5.19	221.5	4.68	211.6	4.41	201.6	4.41
		106.6	253.5	6.24	239.6	5.73	226.6	5.31	221.5	4.42	211.6	4.14	201.6	4.41

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	28.4	87.1	7.63	81.6	7.34	77.2	7.05	76.3	6.56	76.0	6.45	74.6	5.76
		35.6	90.1	7.80	84.4	7.51	79.9	7.21	79.0	6.70	78.7	6.59	77.2	5.89
		71.0	102.2	8.48	95.5	8.15	90.4	7.83	89.5	7.26	89.2	7.16	87.4	6.40
		88.8	112.7	9.12	105.5	8.80	100.1	8.45	98.9	7.86	98.6	7.72	96.4	6.89
	32	106.6	118.0	9.45	110.5	9.12	104.9	8.76	103.6	8.15	103.3	8.01	101.0	7.13
		28.4	155.8	11.19	143.5	10.79	133.9	10.32	131.2	9.60	129.4	9.47	124.7	8.45
		35.6	156.7	11.22	144.4	10.82	134.7	10.36	132.0	9.63	130.2	9.50	125.4	8.48
		71.0	160.3	11.35	147.7	10.92	138.0	10.49	135.0	9.74	133.2	9.61	128.1	8.56
	41	88.8	162.8	11.35	150.1	10.92	140.1	10.49	137.1	9.74	135.3	9.61	130.2	8.56
		106.6	164.0	11.35	151.3	10.92	141.2	10.49	138.2	9.74	136.4	9.61	131.3	8.56
		28.4	215.3	12.18	203.1	11.72	194.7	11.24	189.9	10.47	181.7	10.30	173.0	9.18
		35.6	215.8	12.24	203.4	11.78	194.7	11.30	189.9	10.52	181.7	10.36	173.0	9.23
	50	71.0	217.6	12.48	204.9	12.03	194.7	11.54	189.9	10.74	181.7	10.57	173.0	9.42
		88.8	217.6	12.59	204.6	12.11	194.7	11.62	189.9	10.82	181.7	10.63	173.0	9.50
		106.6	217.6	12.65	204.5	12.15	194.7	11.66	189.9	10.86	181.7	10.65	173.0	9.54
		28.4	216.5	11.19	203.8	10.71	194.7	10.20	189.9	9.52	181.7	9.34	173.0	8.37
	59	35.6	216.7	11.19	204.0	10.71	194.7	10.20	189.9	9.55	181.7	9.34	173.0	8.39
		71.0	217.6	11.19	204.9	10.71	194.7	10.20	189.9	9.66	181.7	9.31	173.0	8.48
		88.8	217.6	11.22	204.6	10.60	194.7	10.09	189.9	9.55	181.7	9.23	173.0	8.39
	68	106.6	217.6	11.23	204.5	10.55	194.7	10.04	189.9	9.50	181.7	9.19	173.0	8.35
		28.4	217.6	10.21	204.6	9.70	194.7	9.15	189.9	8.58	181.7	8.37	173.0	7.53
		35.6	217.6	10.14	204.6	9.63	194.7	9.09	189.9	8.58	181.7	8.31	173.0	7.53
	77	71.0	217.6	9.87	204.6	9.36	194.7	8.85	189.9	8.58	181.7	8.07	173.0	7.53
		88.8	217.6	9.87	204.6	9.09	194.7	8.58	189.9	8.31	181.7	7.80	173.0	7.29
		106.6	217.6	9.87	204.6	8.96	194.7	8.45	189.9	8.18	181.7	7.67	173.0	7.17
	86	28.4	217.6	8.92	204.6	8.37	194.7	7.87	189.9	7.59	181.7	7.36	173.0	6.81
		35.6	217.6	8.85	204.6	8.31	194.7	7.80	189.9	7.53	181.7	7.29	173.0	6.75
		71.0	217.6	8.58	204.6	8.07	194.7	7.53	189.9	7.29	181.7	7.02	173.0	6.51
	95	88.8	217.6	8.58	204.6	8.07	194.7	7.53	189.9	7.29	181.7	7.02	173.0	6.51
		106.6	217.6	8.58	204.6	8.07	194.7	7.53	189.9	7.29	181.7	7.02	173.0	6.51
	104	28.4	217.6	7.87	204.6	7.36	194.7	6.75	189.9	6.81	181.7	6.24	173.0	6.03
		35.6	217.6	7.80	204.6	7.29	194.7	6.75	189.9	6.75	181.7	6.24	173.0	5.97
		71.0	217.6	7.53	204.6	7.02	194.7	6.75	189.9	6.51	181.7	6.24	173.0	5.73
	113	88.8	217.6	7.53	204.6	7.02	194.7	6.51	189.9	6.51	181.7	6.24	173.0	5.73
		106.6	217.6	7.53	204.6	7.02	194.7	6.39	189.9	6.51	181.7	6.24	173.0	5.73
	122	28.4	217.6	7.09	204.6	6.58	194.7	6.31	189.9	6.03	181.7	5.80	173.0	5.53
		35.6	217.6	7.02	204.6	6.51	194.7	6.24	189.9	5.97	181.7	5.73	173.0	5.46
		71.0	217.6	6.75	204.6	6.24	194.7	5.97	189.9	5.73	181.7	5.46	173.0	5.19
		88.8	217.6	6.75	204.6	6.24	194.7	5.97	189.9	5.73	181.7	5.46	173.0	5.19
	131	106.6	217.6	6.75	204.6	6.24	194.7	5.97	189.9	5.73	181.7	5.46	173.0	5.19
		28.4	217.6	6.24	204.6	6.03	194.7	5.46	189.9	5.53	181.7	5.25	173.0	5.02
		35.6	217.6	6.24	204.6	5.97	194.7	5.46	189.9	5.46	181.7	5.19	173.0	4.95
		71.0	217.6	6.24	204.6	5.73	194.7	5.46	189.9	5.19	181.7	4.95	173.0	4.68
	140	88.8	217.6	6.24	204.6	5.73	194.7	5.19	189.9	5.19	181.7	4.95	173.0	4.68
		106.6	217.6	6.24	204.6	5.73	194.7	5.06	189.9	5.19	181.7	4.95	173.0	4.68
	149	28.4	217.6	5.73	204.6	5.53	194.7	4.95	189.9	5.02	181.7	4.75	173.0	4.41
		35.6	217.6	5.73	204.6	5.46	194.7	4.95	189.9	4.95	181.7	4.68	173.0	4.41
		71.0	217.6	5.73	204.6	5.19	194.7	4.95	189.9	4.68	181.7	4.41	173.0	4.41
		88.8	217.6	5.73	204.6	5.19	194.7	4.95	189.9	4.68	181.7	4.41	173.0	4.41
	158	106.6	217.6	5.73	204.6	5.19	194.7	4.95	189.9	4.68	181.7	4.41	173.0	4.41
		28.4	217.6	5.19	204.6	5.02	194.7	4.41	189.9	4.47	181.7	4.24	173.0	3.83
		35.6	217.6	5.19	204.6	4.95	194.7	4.41	189.9	4.41	181.7	4.17	173.0	3.90
		71.0	217.6	5.19	204.6	4.68	194.7	4.41	189.9	4.17	181.7	3.90	173.0	4.17
	167	88.8	217.6	5.19	204.6	4.68	194.7	4.68	189.9	4.17	181.7	3.90	173.0	4.17
		106.6	217.6	5.19	204.6	4.68	194.7	4.82	189.9	4.17	181.7	3.90	173.0	4.17

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM288DAS5

288,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	28.4	72.6	6.09	68.2	5.76	64.4	5.45	63.5	5.16	63.2	4.84	62.1	4.59
		35.6	75.0	6.22	70.5	5.89	66.6	5.57	65.7	5.27	65.4	4.95	64.2	4.68
		71.0	84.7	6.73	79.6	6.40	75.3	6.03	74.4	5.73	74.1	5.38	72.6	5.06
		88.8	93.7	7.26	88.0	6.89	83.2	6.51	82.3	6.19	81.7	5.78	80.5	5.46
		106.6	98.3	7.54	92.3	7.13	87.1	6.76	86.2	6.42	85.5	5.99	84.4	5.67
	32	28.4	129.4	8.91	119.9	8.45	111.4	7.96	109.0	7.56	107.5	7.11	103.7	6.71
		35.6	130.2	8.93	120.6	8.48	112.1	7.99	109.7	7.59	108.2	7.13	104.3	6.73
		71.0	133.2	9.01	123.3	8.56	114.8	8.10	112.4	7.69	110.9	7.21	106.7	6.81
		88.8	135.3	9.01	125.1	8.56	116.3	8.10	114.2	7.69	112.4	7.21	108.5	6.81
		106.6	136.4	9.01	126.0	8.56	117.1	8.10	115.1	7.69	113.2	7.21	109.4	6.81
	41	28.4	178.9	9.69	169.7	9.18	161.8	8.67	157.9	8.25	151.0	7.74	144.1	7.28
		35.6	179.3	9.74	170.0	9.23	161.8	8.72	157.9	8.29	151.0	7.78	144.1	7.32
		71.0	180.8	9.93	171.2	9.42	162.2	8.91	157.9	8.45	151.0	7.91	144.1	7.48
		88.8	180.8	10.01	170.9	9.50	162.2	8.96	157.9	8.50	151.0	7.99	144.1	7.53
		106.6	180.8	10.05	170.7	9.54	162.2	8.99	157.9	8.53	151.0	8.03	144.1	7.56
	50	28.4	180.1	8.92	170.1	8.40	161.8	7.90	157.9	7.55	151.0	6.97	144.1	6.66
		35.6	180.2	8.91	170.3	8.39	161.8	7.88	157.9	7.53	151.0	7.00	144.1	6.65
		71.0	180.8	8.85	171.2	8.37	162.2	7.83	157.9	7.48	151.0	7.08	144.1	6.59
		88.8	180.8	8.91	170.9	8.39	162.2	7.86	157.9	7.51	151.0	6.97	144.1	6.62
		106.6	180.8	8.93	170.7	8.41	162.2	7.87	157.9	7.52	151.0	6.91	144.1	6.63
	59	28.4	180.8	8.14	170.9	7.59	162.2	7.09	157.9	6.81	151.0	6.24	144.1	6.03
		35.6	180.8	8.07	170.9	7.53	162.2	7.02	157.9	6.75	151.0	6.24	144.1	5.97
		71.0	180.8	7.80	170.9	7.29	162.2	6.75	157.9	6.51	151.0	6.24	144.1	5.73
		88.8	180.8	7.80	170.9	7.29	162.2	6.75	157.9	6.51	151.0	5.97	144.1	5.73
		106.6	180.8	7.80	170.9	7.29	162.2	6.75	157.9	6.51	151.0	5.84	144.1	5.73
	68	28.4	180.8	7.09	170.9	6.58	162.2	6.31	157.9	6.03	151.0	5.80	144.1	5.19
		35.6	180.8	7.02	170.9	6.51	162.2	6.24	157.9	5.97	151.0	5.73	144.1	5.19
		71.0	180.8	6.75	170.9	6.24	162.2	5.97	157.9	5.73	151.0	5.46	144.1	5.19
		88.8	180.8	6.75	170.9	6.24	162.2	5.97	157.9	5.73	151.0	5.46	144.1	5.19
		106.6	180.8	6.75	170.9	6.24	162.2	5.97	157.9	5.73	151.0	5.46	144.1	5.19
	77	28.4	180.8	6.31	170.9	5.73	162.2	5.53	157.9	5.19	151.0	4.95	144.1	4.68
		35.6	180.8	6.24	170.9	5.73	162.2	5.46	157.9	5.19	151.0	4.95	144.1	4.68
		71.0	180.8	5.97	170.9	5.73	162.2	5.19	157.9	5.19	151.0	4.95	144.1	4.68
		88.8	180.8	5.97	170.9	5.73	162.2	5.19	157.9	5.19	151.0	4.95	144.1	4.68
		106.6	180.8	5.97	170.9	5.73	162.2	5.19	157.9	5.19	151.0	4.95	144.1	4.68
	86	28.4	180.8	5.80	170.9	5.25	162.2	5.02	157.9	4.68	151.0	4.75	144.1	4.47
		35.6	180.8	5.73	170.9	5.19	162.2	4.95	157.9	4.68	151.0	4.68	144.1	4.41
		71.0	180.8	5.46	170.9	4.95	162.2	4.68	157.9	4.68	151.0	4.41	144.1	4.17
		88.8	180.8	5.46	170.9	4.95	162.2	4.68	157.9	4.68	151.0	4.41	144.1	4.17
		106.6	180.8	5.46	170.9	4.95	162.2	4.68	157.9	4.68	151.0	4.41	144.1	4.17
	95	28.4	180.8	5.25	170.9	4.68	162.2	4.41	157.9	4.47	151.0	4.17	144.1	3.90
		35.6	180.8	5.19	170.9	4.68	162.2	4.41	157.9	4.41	151.0	4.17	144.1	3.90
		71.0	180.8	4.95	170.9	4.68	162.2	4.41	157.9	4.17	151.0	4.17	144.1	3.90
		88.8	180.8	4.95	170.9	4.68	162.2	4.41	157.9	4.17	151.0	4.17	144.1	3.90
		106.6	180.8	4.95	170.9	4.68	162.2	4.41	157.9	4.17	151.0	4.17	144.1	3.90
	104	28.4	180.8	4.75	170.9	4.47	162.2	4.24	157.9	3.90	151.0	3.97	144.1	3.63
		35.6	180.8	4.68	170.9	4.41	162.2	4.17	157.9	3.90	151.0	3.90	144.1	3.63
		71.0	180.8	4.41	170.9	4.17	162.2	3.90	157.9	3.90	151.0	3.63	144.1	3.63
		88.8	180.8	4.41	170.9	4.17	162.2	3.90	157.9	3.90	151.0	3.63	144.1	3.63
		106.6	180.8	4.41	170.9	4.17	162.2	3.90	157.9	3.90	151.0	3.63	144.1	3.63
	113	28.4	180.8	4.24	170.9	4.31	162.2	4.03	157.9	3.33	151.0	3.76	144.1	3.39
		35.6	180.8	4.17	170.9	4.17	162.2	3.90	157.9	3.39	151.0	3.63	144.1	3.39
		71.0	180.8	3.90	170.9	3.63	162.2	3.39	157.9	3.63	151.0	3.12	144.1	3.39
		88.8	180.8	3.90	170.9	3.63	162.2	3.39	157.9	3.63	151.0	3.12	144.1	3.39
		106.6	180.8	3.90	170.9	3.63	162.2	3.39	157.9	3.63	151.0	3.12	144.1	3.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	38.6	191.6	19.42	190.2	18.29	189.1	17.02	186.5	16.52	188.7	16.09	183.5	14.43
		48.3	198.2	19.76	196.7	18.64	195.5	17.39	192.9	16.88	195.2	16.44	189.9	14.74
		96.4	224.2	21.10	222.3	20.05	221.1	18.87	218.1	18.32	220.8	17.81	215.1	15.99
		106.1	247.9	22.45	245.6	21.42	244.1	20.34	241.1	19.79	244.1	19.22	237.7	17.23
		121.6	259.9	23.12	257.4	22.12	255.7	21.08	252.7	20.53	255.9	19.93	249.1	17.86
	32	38.6	342.3	26.56	334.5	25.77	327.4	24.93	320.2	24.23	321.3	23.57	306.7	21.10
		48.3	344.3	26.64	336.4	25.84	329.3	25.00	322.1	24.30	323.2	23.63	308.6	21.17
		96.4	352.6	26.92	344.0	26.09	336.8	25.29	329.7	24.59	330.8	23.89	316.1	21.42
		106.1	357.9	26.92	349.2	26.09	342.1	25.29	334.5	24.59	335.7	23.89	320.6	21.42
		121.6	360.6	26.92	351.9	26.09	344.7	25.29	337.0	24.59	338.1	23.89	322.9	21.42
	41	38.6	493.0	28.55	485.5	27.85	475.4	27.14	463.4	26.37	451.0	25.64	426.1	22.96
		48.3	494.7	28.68	486.4	27.98	475.5	27.27	463.4	26.51	451.0	25.77	426.1	23.09
		96.4	501.4	29.19	489.8	28.49	475.8	27.82	463.4	27.05	451.0	26.28	426.1	23.57
		106.1	504.5	29.39	491.3	28.68	475.8	28.01	463.4	27.24	451.0	26.48	426.1	23.73
		121.6	506.0	29.48	492.0	28.78	475.8	28.11	463.4	27.34	451.0	26.57	426.1	23.81
	50	38.6	493.6	25.98	485.6	25.11	473.9	24.64	461.5	24.09	449.2	23.26	424.4	20.99
		48.3	496.5	25.93	487.9	25.13	475.8	24.68	463.4	24.08	451.0	23.25	426.1	20.98
		96.4	508.2	25.74	496.9	25.23	483.4	24.88	470.9	24.05	457.7	23.18	432.9	20.91
		106.1	510.9	26.09	500.3	25.58	486.4	24.97	473.2	24.14	460.8	23.57	435.5	21.90
		121.6	512.2	26.27	502.0	25.76	487.9	25.02	474.3	24.19	462.3	23.76	436.8	22.40
	59	38.6	494.3	23.42	485.7	22.42	472.0	22.18	459.6	21.81	447.5	20.88	422.7	19.03
		48.3	498.4	23.18	489.4	22.32	475.8	22.13	463.4	21.65	451.0	20.72	426.1	18.87
		96.4	514.6	22.25	504.1	21.93	490.9	21.93	478.5	21.01	464.5	20.08	439.7	18.23
		106.1	517.3	22.80	509.0	22.45	496.9	21.93	483.4	21.01	470.9	20.66	444.9	20.08
		121.6	518.6	23.07	511.4	22.70	500.0	21.93	485.8	21.01	474.2	20.95	447.6	21.01
	68	38.6	513.2	21.48	503.8	20.48	490.5	20.03	476.9	19.39	463.1	18.96	435.6	18.38
		48.3	517.3	21.33	507.9	20.46	494.3	20.02	480.7	19.47	467.2	19.09	439.7	18.23
		96.4	533.5	20.72	524.1	20.40	509.4	19.95	495.8	19.79	483.4	19.60	455.9	17.62
		106.1	535.7	20.72	527.8	20.40	515.4	20.08	500.7	19.79	487.1	19.60	459.6	18.74
		121.6	536.9	20.72	529.7	20.40	518.4	20.14	503.2	19.79	489.0	19.60	461.5	19.30
	77	38.6	541.8	20.48	527.8	19.89	515.4	19.55	505.6	19.23	494.3	18.95	466.0	17.70
		48.3	541.8	20.40	527.8	19.86	515.4	19.47	505.6	19.15	494.3	18.87	466.0	17.62
		96.4	541.8	20.08	527.8	19.73	515.4	19.15	505.6	18.87	494.3	18.55	466.0	17.30
		106.1	541.8	19.79	527.8	19.22	515.4	18.87	505.6	18.55	494.3	18.23	466.0	17.01
		121.6	541.8	19.65	527.8	18.96	515.4	18.72	505.6	18.38	494.3	18.06	466.0	16.87
	86	38.6	541.8	19.95	527.8	18.96	515.4	18.79	505.6	18.30	494.3	18.10	466.0	16.84
		48.3	541.8	19.79	527.8	18.93	515.4	18.67	505.6	18.23	494.3	17.94	466.0	16.69
		96.4	541.8	19.15	527.8	18.80	515.4	18.23	505.6	17.94	494.3	17.30	466.0	16.08
		106.1	541.8	18.87	527.8	18.29	515.4	17.94	505.6	17.62	494.3	17.30	466.0	16.08
		121.6	541.8	18.72	527.8	18.03	515.4	17.79	505.6	17.46	494.3	17.30	466.0	16.08
	95	38.6	541.8	19.03	527.8	18.39	515.4	18.02	505.6	17.37	494.3	16.77	466.0	15.60
		48.3	541.8	18.87	527.8	18.29	515.4	17.94	505.6	17.30	494.3	16.69	466.0	15.44
		96.4	541.8	18.23	527.8	17.87	515.4	17.62	505.6	17.01	494.3	16.37	466.0	14.84
		106.1	541.8	18.23	527.8	17.68	515.4	17.30	505.6	16.69	494.3	16.08	466.0	14.84
		121.6	541.8	18.23	527.8	17.59	515.4	17.14	505.6	16.53	494.3	15.94	466.0	14.84
	104	38.6	541.8	18.38	527.8	17.80	515.4	17.45	505.6	16.84	494.3	16.25	466.0	14.67
		48.3	541.8	18.23	527.8	17.68	515.4	17.30	505.6	16.69	494.3	16.08	466.0	14.52
		96.4	541.8	17.62	527.8	17.23	515.4	16.69	505.6	16.08	494.3	15.44	466.0	13.91
		106.1	541.8	17.30	527.8	16.95	515.4	16.69	505.6	16.08	494.3	15.44	466.0	13.91
		121.6	541.8	17.14	527.8	16.80	515.4	16.69	505.6	16.08	494.3	15.44	466.0	13.91
	113	38.6	541.8	17.77	527.8	17.19	515.4	16.93	505.6	16.32	494.3	15.68	466.0	13.74
		48.3	541.8	17.62	527.8	17.07	515.4	16.69	505.6	16.08	494.3	15.44	466.0	13.59
		96.4	541.8	17.01	527.8	16.63	515.4	15.76	505.6	15.16	494.3	14.52	466.0	12.98
		106.1	541.8	16.37	527.8	16.21	515.4	16.08	505.6	15.44	494.3	14.84	466.0	12.98
		121.6	541.8	16.05	527.8	16.00	515.4	16.24	505.6	15.59	494.3	15.00	466.0	12.98

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM360DAS5

360,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	23	38.6	182.1	19.42	180.7	18.29	179.5	17.02	177.4	16.30	178.8	15.83	174.1	14.17
		48.3	188.4	19.76	186.9	18.64	185.7	17.39	183.5	16.66	185.0	16.18	180.1	14.48
		96.4	213.2	21.10	211.4	20.05	210.2	18.87	207.6	18.07	209.5	17.55	203.8	15.73
		106.1	235.5	22.45	233.6	21.42	232.1	20.34	229.4	19.50	231.3	18.93	224.9	16.95
	32	121.6	246.7	23.12	244.8	22.12	243.1	21.08	240.4	20.23	242.3	19.62	235.5	17.56
		38.6	325.5	26.56	317.6	25.77	310.8	24.93	304.5	23.88	304.5	23.21	290.5	20.75
		48.3	327.4	26.64	319.5	25.84	312.7	25.00	306.3	23.95	306.3	23.28	292.4	20.82
		96.4	334.9	26.92	327.0	26.09	320.2	25.29	313.5	24.24	313.5	23.53	299.5	21.07
		106.1	340.2	26.92	332.3	26.09	325.1	25.29	318.3	24.24	318.0	23.53	304.0	21.07
	41	121.6	342.9	26.92	334.9	26.09	327.6	25.29	320.8	24.24	320.3	23.53	306.3	21.07
		38.6	469.2	28.55	462.2	27.85	452.1	27.14	441.2	25.99	427.2	25.26	403.9	22.62
		48.3	470.9	28.68	463.0	27.98	452.1	27.27	441.2	26.12	427.2	25.39	403.9	22.73
		96.4	477.7	29.19	466.4	28.49	452.1	27.82	441.2	26.67	427.2	25.90	403.9	23.18
	50	106.1	480.3	29.39	463.8	28.68	452.1	28.01	441.2	26.86	427.2	26.09	403.9	23.34
		121.6	481.7	29.48	462.4	28.78	452.1	28.11	441.2	26.96	427.2	26.19	403.9	23.42
		38.6	471.0	25.65	462.2	24.94	450.9	24.44	439.9	23.69	426.1	22.91	402.8	20.60
		48.3	473.2	25.74	464.1	25.04	452.1	24.52	441.2	23.73	427.2	22.89	403.9	20.62
	59	96.4	481.9	26.09	471.7	25.42	457.0	24.88	446.1	23.85	431.7	22.83	408.0	20.72
		106.1	484.5	26.00	470.2	25.42	458.9	24.97	447.9	23.95	433.6	22.93	409.9	21.42
		121.6	485.8	25.95	469.4	25.42	459.8	25.02	448.9	24.00	434.6	22.97	410.8	21.78
		38.6	472.3	22.75	462.8	22.08	449.5	21.73	438.7	21.41	425.0	20.55	401.7	18.63
	68	48.3	475.1	22.80	465.7	22.13	452.1	21.78	441.2	21.33	427.2	20.40	403.9	18.55
		96.4	486.0	22.99	477.0	22.32	462.3	21.93	451.0	21.01	435.9	19.79	412.5	18.23
		106.1	488.6	22.64	476.6	22.13	466.0	21.93	454.7	21.01	439.7	19.79	416.3	19.47
		121.6	490.0	22.46	476.4	22.03	467.9	21.93	456.6	21.01	441.6	19.79	418.2	20.10
	77	38.6	485.5	20.46	476.4	19.59	462.0	19.07	449.2	18.79	434.6	18.56	411.2	17.62
		48.3	488.6	20.46	479.2	19.66	464.5	19.15	452.1	18.87	437.4	18.55	413.7	17.55
		96.4	501.1	20.46	490.5	19.95	474.7	19.47	463.4	19.15	448.3	18.48	423.5	17.30
		106.1	503.3	20.27	490.1	19.79	478.5	19.47	466.0	19.15	451.0	18.55	426.1	17.94
	86	121.6	504.5	20.18	490.0	19.71	480.4	19.47	467.4	19.15	452.3	18.58	427.4	18.26
		38.6	509.1	19.35	494.3	18.45	478.5	18.10	468.3	17.70	455.9	17.37	431.0	16.16
		48.3	509.4	19.28	494.3	18.42	478.5	18.07	468.3	17.62	455.9	17.30	431.0	16.08
		96.4	510.5	18.99	494.3	18.29	478.5	17.94	468.3	17.30	455.9	17.01	431.0	15.76
	95	106.1	512.0	18.29	494.3	17.81	478.5	17.62	468.3	17.30	455.9	16.69	431.0	15.76
		121.6	512.8	17.94	494.3	17.57	478.5	17.46	468.3	17.30	455.9	16.53	431.0	15.76
		38.6	512.0	18.51	494.3	17.60	478.5	17.09	468.3	16.44	455.9	16.25	431.0	14.92
		48.3	512.0	18.35	494.3	17.49	478.5	17.01	468.3	16.37	455.9	16.08	431.0	14.84
	104	96.4	512.0	17.75	494.3	17.07	478.5	16.69	468.3	16.08	455.9	15.44	431.0	14.52
		106.1	512.0	17.17	494.3	16.69	478.5	16.37	468.3	16.08	455.9	15.44	431.0	14.23
		121.6	512.0	16.88	494.3	16.50	478.5	16.21	468.3	16.08	455.9	15.44	431.0	14.08
		38.6	512.0	17.68	494.3	16.72	478.5	16.25	468.3	15.60	455.9	14.99	431.0	13.66
	113	48.3	512.0	17.43	494.3	16.56	478.5	16.08	468.3	15.44	455.9	14.84	431.0	13.59
		96.4	512.0	16.44	494.3	15.96	478.5	15.44	468.3	14.84	455.9	14.23	431.0	13.30
		106.1	512.0	16.24	494.3	15.83	478.5	15.44	468.3	14.84	455.9	14.23	431.0	12.98
		121.6	512.0	16.15	494.3	15.76	478.5	15.44	468.3	14.84	455.9	14.23	431.0	12.82
	120	38.6	512.0	17.15	494.3	15.95	478.5	15.32	468.3	14.67	455.9	14.06	431.0	12.73
		48.3	512.0	16.82	494.3	15.76	478.5	15.16	468.3	14.52	455.9	13.91	431.0	12.66
		96.4	512.0	15.51	494.3	15.03	478.5	14.52	468.3	13.91	455.9	13.30	431.0	12.37
		106.1	512.0	15.32	494.3	14.84	478.5	14.52	468.3	13.91	455.9	13.30	431.0	12.05
	120	121.6	512.0	15.22	494.3	14.74	478.5	14.52	468.3	13.91	455.9	13.30	431.0	11.89
		38.6	512.0	16.62	494.3	15.18	478.5	14.39	468.3	13.74	455.9	13.14	431.0	11.81
		48.3	512.0	16.21	494.3	14.96	478.5	14.23	468.3	13.59	455.9	12.98	431.0	11.73
		96.4	512.0	14.58	494.3	14.10	478.5	13.59	468.3	12.98	455.9	12.37	431.0	11.45
		106.1	512.0	14.39	494.3	13.85	478.5	13.59	468.3	12.98	455.9	12.37	431.0	11.13
		121.6	512.0	14.29	494.3	13.72	478.5	13.59	468.3	12.98	455.9	12.37	431.0	10.97

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	38.6	172.3	19.68	171.2	18.29	170.0	17.02	168.3	16.30	168.7	15.83	165.0	14.17
		48.3	178.2	20.02	177.1	18.64	175.9	17.39	174.1	16.66	174.4	16.18	170.7	14.48
		96.4	201.6	21.36	200.4	20.05	199.3	18.87	197.0	18.07	197.0	17.55	193.3	15.73
		106.1	222.7	22.73	221.1	21.42	220.0	20.34	217.8	19.50	217.8	18.93	213.2	16.95
		121.6	233.3	23.43	231.6	22.12	230.5	21.08	228.2	20.23	228.2	19.62	223.3	17.56
	32	38.6	307.9	26.92	301.1	25.77	294.8	24.93	289.1	23.88	286.5	23.21	275.7	20.75
		48.3	309.7	26.99	302.9	25.84	296.5	25.00	290.8	23.95	288.2	23.28	277.3	20.82
		96.4	316.8	27.24	310.1	26.09	303.3	25.29	297.6	24.24	295.0	23.53	283.7	21.07
		106.1	321.7	27.24	315.0	26.09	308.2	25.29	302.1	24.24	299.5	23.53	287.8	21.07
		121.6	324.2	27.24	317.4	26.09	310.6	25.29	304.4	24.24	301.8	23.53	289.9	21.07
	41	38.6	449.1	28.94	438.4	27.85	428.3	27.14	418.6	25.99	402.4	25.26	382.8	22.62
		48.3	450.6	29.07	439.3	27.98	428.4	27.27	418.6	26.12	402.4	25.39	382.8	22.73
		96.4	456.6	29.58	442.7	28.49	428.7	27.82	418.6	26.67	402.4	25.90	382.8	23.18
		106.1	459.3	29.77	443.8	28.68	428.7	28.01	418.6	26.86	402.4	26.09	382.8	23.34
		121.6	460.6	29.87	444.4	28.78	428.7	28.11	418.6	26.96	402.4	26.19	382.8	23.42
	50	38.6	450.8	25.95	439.6	25.06	427.7	24.52	417.9	23.69	401.7	22.91	382.3	20.60
		48.3	452.5	26.00	440.8	25.13	428.4	24.59	418.6	23.73	402.4	22.89	382.8	20.62
		96.4	459.3	26.19	445.3	25.42	431.0	24.88	421.2	23.85	405.0	22.83	384.7	20.72
		106.1	461.9	26.19	447.2	25.42	432.5	24.81	422.0	23.79	405.8	22.93	385.8	20.94
		121.6	463.2	26.19	448.1	25.42	433.3	24.78	422.3	23.76	406.1	22.97	386.4	21.06
	59	38.6	452.1	22.96	440.3	22.32	427.5	21.93	417.3	21.41	401.0	20.55	381.8	18.63
		48.3	454.0	22.93	441.9	22.32	428.7	21.93	418.6	21.33	402.4	20.40	382.8	18.55
		96.4	461.5	22.80	448.3	22.32	433.6	21.93	423.5	21.01	407.6	19.79	386.5	18.23
		106.1	464.1	22.64	450.6	22.13	435.9	21.65	425.0	20.72	408.8	19.79	388.8	18.55
		121.6	465.5	22.56	451.7	22.03	437.0	21.50	425.7	20.57	409.3	19.79	389.9	18.71
	68	38.6	460.5	19.82	447.9	19.34	433.5	18.87	421.8	18.55	406.4	18.02	385.0	16.85
		48.3	463.0	19.86	449.5	19.34	434.8	18.87	423.5	18.55	407.6	17.94	386.5	16.82
		96.4	472.8	20.02	455.5	19.34	439.7	18.87	429.9	18.55	412.5	17.62	392.6	16.69
		106.1	475.5	20.02	459.3	19.34	442.3	18.87	431.0	18.23	414.8	17.62	393.7	16.69
		121.6	476.8	20.02	461.1	19.34	443.6	18.87	431.6	18.06	415.9	17.62	394.3	16.69
	77	38.6	474.9	18.03	460.8	17.37	442.3	17.09	432.5	16.44	417.4	15.84	395.2	14.52
		48.3	475.8	18.00	460.8	17.30	442.3	17.01	432.5	16.37	417.4	15.76	395.2	14.52
		96.4	479.6	17.87	460.8	17.01	442.3	16.69	432.5	16.08	417.4	15.44	395.2	14.52
		106.1	481.9	17.87	460.8	17.07	442.3	16.37	432.5	16.08	417.4	15.16	395.2	14.23
		121.6	483.0	17.87	460.8	17.11	442.3	16.21	432.5	16.08	417.4	15.01	395.2	14.08
	86	38.6	481.9	16.44	460.8	15.84	442.3	15.24	432.5	14.92	417.4	13.99	395.2	13.06
		48.3	481.9	16.37	460.8	15.76	442.3	15.16	432.5	14.84	417.4	13.91	395.2	12.98
		96.4	481.9	16.08	460.8	15.44	442.3	14.84	432.5	14.52	417.4	13.59	395.2	12.66
		106.1	481.9	15.96	460.8	15.16	442.3	14.52	432.5	14.23	417.4	13.59	395.2	12.66
		121.6	481.9	15.89	460.8	15.01	442.3	14.36	432.5	14.08	417.4	13.59	395.2	12.66
	95	38.6	481.9	15.60	460.8	14.59	442.3	13.99	432.5	13.38	417.4	12.73	395.2	11.81
		48.3	481.9	15.44	460.8	14.52	442.3	13.91	432.5	13.30	417.4	12.66	395.2	11.73
		96.4	481.9	14.84	460.8	14.23	442.3	13.59	432.5	12.98	417.4	12.37	395.2	11.45
		106.1	481.9	14.45	460.8	13.91	442.3	13.30	432.5	12.98	417.4	12.37	395.2	11.45
		121.6	481.9	14.26	460.8	13.75	442.3	13.16	432.5	12.98	417.4	12.37	395.2	11.45
	104	38.6	481.9	14.67	460.8	14.06	442.3	13.14	432.5	12.46	417.4	11.81	395.2	10.88
		48.3	481.9	14.52	460.8	13.91	442.3	12.98	432.5	12.37	417.4	11.73	395.2	10.81
		96.4	481.9	13.91	460.8	13.30	442.3	12.37	432.5	12.05	417.4	11.45	395.2	10.52
		106.1	481.9	13.72	460.8	12.98	442.3	12.37	432.5	11.73	417.4	11.13	395.2	10.20
		121.6	481.9	13.62	460.8	12.82	442.3	12.37	432.5	11.57	417.4	10.97	395.2	10.04
	113	38.6	481.9	13.74	460.8	13.54	442.3	12.29	432.5	11.53	417.4	10.88	395.2	9.95
		48.3	481.9	13.59	460.8	13.30	442.3	12.05	432.5	11.45	417.4	10.81	395.2	9.88
		96.4	481.9	12.98	460.8	12.37	442.3	11.13	432.5	11.13	417.4	10.52	395.2	9.59
		106.1	481.9	12.98	460.8	12.05	442.3	11.45	432.5	10.52	417.4	9.88	395.2	8.95
		121.6	481.9	12.98	460.8	11.89	442.3	11.61	432.5	10.21	417.4	9.56	395.2	8.63

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA

ARWM360DAS5

360,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	23	38.6	162.8	19.68	161.7	18.54	161.0	17.02	159.6	16.30	158.1	15.58	155.1	14.17
		48.3	168.4	20.02	167.3	18.90	166.5	17.39	165.0	16.66	163.5	15.92	160.5	14.48
		96.4	190.6	21.36	189.5	20.30	188.4	18.87	186.5	18.07	185.0	17.30	182.0	15.73
		106.1	210.6	22.73	209.1	21.71	208.0	20.34	206.1	19.50	204.6	18.64	200.8	16.95
	32	121.6	220.7	23.43	219.0	22.42	217.8	21.08	216.0	20.23	214.4	19.32	210.3	17.56
		38.6	291.0	26.92	284.6	26.12	278.7	24.93	273.8	23.88	268.9	22.86	259.6	20.75
		48.3	292.7	26.99	286.3	26.19	280.3	25.00	275.4	23.95	270.5	22.93	261.1	20.82
		96.4	299.5	27.24	293.1	26.44	286.7	25.29	281.8	24.24	276.9	23.18	267.1	21.07
	41	106.1	304.0	27.24	297.6	26.44	291.2	25.29	285.9	24.24	281.1	23.18	271.3	21.07
		121.6	306.3	27.24	299.9	26.44	293.5	25.29	288.0	24.24	283.1	23.18	273.3	21.07
		38.6	429.5	28.94	415.2	28.23	404.5	27.14	396.3	25.99	377.5	24.88	360.2	22.62
		48.3	431.0	29.07	415.9	28.36	404.6	27.27	396.3	26.12	377.5	25.00	360.2	22.73
	50	96.4	437.0	29.58	418.9	28.87	405.0	27.82	396.3	26.67	377.5	25.52	360.2	23.18
		106.1	439.7	29.77	420.1	29.07	405.0	28.01	396.3	26.86	377.5	25.68	360.2	23.34
	59	121.6	441.0	29.87	420.6	29.16	405.0	28.11	396.3	26.96	377.5	25.76	360.2	23.42
		38.6	431.8	25.87	416.5	25.31	405.0	24.52	396.3	23.69	377.5	22.52	360.2	20.60
	68	48.3	432.9	26.00	417.1	25.39	405.0	24.59	396.3	23.73	377.5	22.54	360.2	20.62
		96.4	437.0	26.48	419.3	25.71	405.0	24.88	396.3	23.85	377.5	22.64	360.2	20.72
	77	106.1	440.0	26.38	421.2	25.71	405.0	24.81	396.3	23.79	377.5	22.57	360.2	20.62
		121.6	441.6	26.33	422.1	25.71	405.0	24.78	396.3	23.76	377.5	22.54	360.2	20.58
	86	38.6	434.2	22.81	418.3	22.43	405.0	21.93	396.3	21.41	377.5	20.15	360.2	18.63
		48.3	434.8	22.93	418.6	22.45	405.0	21.93	396.3	21.33	377.5	20.08	360.2	18.55
	95	96.4	437.0	23.37	419.7	22.51	405.0	21.93	396.3	21.01	377.5	19.79	360.2	18.23
		106.1	440.8	22.99	422.0	22.32	405.0	21.65	396.3	20.72	377.5	19.47	360.2	17.94
	104	121.6	442.7	22.80	423.1	22.22	405.0	21.50	396.3	20.57	377.5	19.31	360.2	17.79
		38.6	436.5	19.51	420.5	19.01	405.0	18.55	396.3	18.30	377.5	17.09	360.2	16.25
	113	48.3	438.2	19.60	420.8	19.03	405.0	18.55	396.3	18.23	377.5	17.01	360.2	16.08
		96.4	444.6	19.95	422.0	19.09	405.0	18.55	396.3	17.94	377.5	16.69	360.2	15.44
	121.6	106.1	447.2	19.60	425.7	18.93	405.0	18.23	396.3	17.62	377.5	16.37	360.2	15.16
		121.6	448.5	19.42	427.6	18.85	405.0	18.06	396.3	17.46	377.5	16.21	360.2	15.01
	130	38.6	441.8	17.06	427.2	16.52	405.0	15.84	396.3	15.24	377.5	14.31	360.2	12.98
		48.3	443.4	17.07	427.2	16.44	405.0	15.76	396.3	15.16	377.5	14.23	360.2	12.98
	139	96.4	449.8	17.14	427.2	16.08	405.0	15.44	396.3	14.84	377.5	13.91	360.2	12.98
		106.1	452.1	16.75	427.2	15.96	405.0	15.16	396.3	14.52	377.5	13.91	360.2	12.66
	148	121.6	453.2	16.56	427.2	15.89	405.0	15.01	396.3	14.36	377.5	13.91	360.2	12.50
		38.6	452.1	15.52	427.2	14.31	405.0	13.33	396.3	13.06	377.5	12.05	360.2	11.53
	157	48.3	452.1	15.44	427.2	14.23	405.0	13.30	396.3	12.98	377.5	12.05	360.2	11.45
		96.4	452.1	15.16	427.2	13.91	405.0	13.17	396.3	12.66	377.5	12.05	360.2	11.13
	166	106.1	452.1	14.84	427.2	13.91	405.0	12.98	396.3	12.66	377.5	11.73	360.2	11.13
		121.6	452.1	14.68	427.2	13.91	405.0	12.89	396.3	12.66	377.5	11.57	360.2	11.13
	175	38.6	452.1	14.39	427.2	13.14	405.0	11.77	396.3	11.53	377.5	10.88	360.2	9.95
		48.3	452.1	14.23	427.2	12.98	405.0	11.73	396.3	11.45	377.5	10.81	360.2	9.88
	184	96.4	452.1	13.59	427.2	12.37	405.0	11.61	396.3	11.13	377.5	10.52	360.2	9.59
		106.1	452.1	13.59	427.2	12.37	405.0	11.45	396.3	11.13	377.5	10.52	360.2	9.59
	193	121.6	452.1	13.59	427.2	12.37	405.0	11.37	396.3	11.13	377.5	10.52	360.2	9.59
		38.6	452.1	13.46	427.2	12.21	405.0	10.55	396.3	10.28	377.5	9.67	360.2	9.03
	202	48.3	452.1	13.30	427.2	12.05	405.0	10.52	396.3	10.20	377.5	9.59	360.2	8.95
		96.4	452.1	12.66	427.2	11.45	405.0	10.39	396.3	9.88	377.5	9.27	360.2	8.67
	211	106.1	452.1	12.37	427.2	11.45	405.0	10.20	396.3	9.88	377.5	9.27	360.2	8.67
		121.6	452.1	12.23	427.2	11.45	405.0	10.10	396.3	9.88	377.5	9.27	360.2	8.67
	220	38.6	452.1	12.54	427.2	11.28	405.0	9.31	396.3	9.03	377.5	8.43	360.2	8.10
		48.3	452.1	12.37	427.2	11.13	405.0	9.27	396.3	8.95	377.5	8.35	360.2	8.03
	229	96.4	452.1	11.73	427.2	10.52	405.0	9.14	396.3	8.67	377.5	8.03	360.2	7.74
		106.1	452.1	11.13	427.2	10.52	405.0	8.95	396.3	8.67	377.5	8.03	360.2	7.74
		121.6	452.1	10.82	427.2	10.52	405.0	8.86	396.3	8.67	377.5	8.03	360.2	7.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	38.6	153.7	18.26	148.9	16.63	144.6	14.61	143.5	13.92	142.4	13.42	139.9	12.04
		48.3	159.0	18.58	154.1	16.95	149.6	14.93	148.4	14.23	147.3	13.72	144.7	12.31
		96.4	180.1	19.82	174.4	18.19	169.2	16.21	168.0	15.44	166.9	14.90	163.5	13.37
		106.1	198.9	21.07	192.5	19.47	186.9	17.49	185.4	16.66	184.2	16.05	180.8	14.42
		121.6	208.4	21.70	201.6	20.12	195.8	18.13	194.1	17.27	193.0	16.63	189.6	14.95
	32	38.6	274.9	24.88	262.2	23.34	250.1	21.43	246.5	20.44	242.3	19.67	233.3	17.67
		48.3	276.5	24.94	263.7	23.41	251.7	21.49	247.9	20.50	243.8	19.73	234.7	17.71
		96.4	282.9	25.20	269.7	23.66	257.7	21.71	253.5	20.72	249.4	19.95	240.4	17.91
		106.1	287.1	25.20	273.9	23.66	261.8	21.71	257.3	20.72	253.5	19.95	244.1	17.91
		121.6	289.2	25.20	276.0	23.66	263.9	21.71	259.2	20.72	255.6	19.95	246.0	17.91
	41	38.6	388.4	26.71	375.9	25.20	363.9	23.32	356.4	22.24	340.6	21.41	324.4	19.22
		48.3	388.8	26.83	375.6	25.32	363.9	23.44	356.4	22.35	340.6	21.52	324.4	19.31
		96.4	390.3	27.31	374.5	25.80	363.9	23.89	356.4	22.80	340.6	21.97	324.4	19.70
		106.1	392.6	27.47	375.6	25.96	363.9	24.08	356.4	22.96	340.6	22.13	324.4	19.86
		121.6	393.7	27.55	376.2	26.04	363.9	24.17	356.4	23.04	340.6	22.21	324.4	19.94
	50	38.6	390.5	23.58	377.2	22.42	363.9	21.11	356.4	20.25	340.6	19.43	324.4	17.51
		48.3	390.3	23.60	376.7	22.45	363.9	21.14	356.4	20.27	340.6	19.41	324.4	17.52
		96.4	389.6	23.66	374.9	22.54	363.9	21.23	356.4	20.37	340.6	19.34	324.4	17.59
		106.1	392.2	23.60	376.0	22.48	363.9	21.17	356.4	20.30	340.6	19.41	324.4	17.65
		121.6	393.5	23.57	376.6	22.45	363.9	21.14	356.4	20.27	340.6	19.44	324.4	17.68
	59	38.6	392.5	20.42	378.5	19.68	363.9	18.95	356.4	18.30	340.6	17.45	324.4	15.84
		48.3	391.8	20.34	377.9	19.60	363.9	18.87	356.4	18.23	340.6	17.30	324.4	15.76
		96.4	389.2	20.02	375.2	19.28	363.9	18.55	356.4	17.94	340.6	16.69	324.4	15.44
		106.1	391.8	19.73	376.4	18.99	363.9	18.23	356.4	17.62	340.6	16.69	324.4	15.44
		121.6	393.1	19.58	376.9	18.85	363.9	18.06	356.4	17.46	340.6	16.69	324.4	15.44
	68	38.6	394.8	17.23	380.1	16.74	363.9	16.16	356.4	15.52	340.6	14.99	324.4	14.06
		48.3	394.5	17.23	379.4	16.69	363.9	16.08	356.4	15.44	340.6	14.84	324.4	13.91
		96.4	392.9	17.23	376.4	16.50	363.9	15.76	356.4	15.16	340.6	14.23	324.4	13.30
		106.1	394.1	16.95	377.5	16.37	363.9	15.76	356.4	15.16	340.6	14.23	324.4	13.30
		121.6	394.6	16.80	378.1	16.31	363.9	15.76	356.4	15.16	340.6	14.23	324.4	13.30
	77	38.6	401.4	15.06	385.0	14.26	363.9	13.66	356.4	12.98	340.6	12.46	324.4	11.53
		48.3	402.4	15.03	385.0	14.23	363.9	13.59	356.4	12.98	340.6	12.37	324.4	11.45
		96.4	406.1	14.90	385.0	14.10	363.9	13.30	356.4	12.98	340.6	12.05	324.4	11.13
		106.1	407.6	14.52	385.0	13.78	363.9	13.30	356.4	12.66	340.6	12.05	324.4	11.13
		121.6	408.4	14.32	385.0	13.62	363.9	13.30	356.4	12.50	340.6	12.05	324.4	11.13
	86	38.6	407.6	13.66	385.0	12.73	363.9	11.81	356.4	11.53	340.6	10.88	324.4	9.88
		48.3	407.6	13.59	385.0	12.66	363.9	11.73	356.4	11.45	340.6	10.81	324.4	9.88
		96.4	407.6	13.30	385.0	12.37	363.9	11.45	356.4	11.13	340.6	10.52	324.4	9.88
		106.1	407.6	12.98	385.0	12.05	363.9	11.45	356.4	11.13	340.6	10.52	324.4	9.59
		121.6	407.6	12.82	385.0	11.89	363.9	11.45	356.4	11.13	340.6	10.52	324.4	9.45
	95	38.6	407.6	12.46	385.0	11.53	363.9	10.60	356.4	10.28	340.6	9.67	324.4	9.03
		48.3	407.6	12.37	385.0	11.45	363.9	10.52	356.4	10.20	340.6	9.59	324.4	8.95
		96.4	407.6	12.05	385.0	11.13	363.9	10.20	356.4	9.88	340.6	9.27	324.4	8.67
		106.1	407.6	11.73	385.0	10.81	363.9	9.88	356.4	9.59	340.6	9.27	324.4	8.67
		121.6	407.6	11.57	385.0	10.65	363.9	9.72	356.4	9.45	340.6	9.27	324.4	8.67
	104	38.6	407.6	11.61	385.0	10.60	363.9	9.35	356.4	9.03	340.6	8.75	324.4	8.10
		48.3	407.6	11.45	385.0	10.52	363.9	9.27	356.4	8.95	340.6	8.67	324.4	8.03
		96.4	407.6	10.81	385.0	10.20	363.9	8.95	356.4	8.67	340.6	8.35	324.4	7.74
		106.1	407.6	10.81	385.0	10.20	363.9	8.95	356.4	8.67	340.6	8.35	324.4	7.74
		121.6	407.6	10.81	385.0	10.20	363.9	8.95	356.4	8.67	340.6	8.35	324.4	7.74
	113	38.6	407.6	10.75	385.0	9.67	363.9	8.10	356.4	7.82	340.6	7.82	324.4	7.17
		48.3	407.6	10.52	385.0	9.59	363.9	8.03	356.4	7.74	340.6	7.74	324.4	7.10
		96.4	407.6	9.59	385.0	9.27	363.9	7.74	356.4	7.42	340.6	7.42	324.4	6.81
		106.1	407.6	9.88	385.0	9.59	363.9	8.03	356.4	7.74	340.6	7.42	324.4	6.81
		121.6	407.6	10.03	385.0	9.75	363.9	8.17	356.4	7.90	340.6	7.42	324.4	6.81

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50-130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM360DAS5

360,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	38.6	145.4	13.01	136.2	12.52	129.0	11.99	127.5	11.58	126.7	11.04	124.2	10.17
		48.3	150.3	13.30	140.9	12.79	133.4	12.25	131.9	11.83	131.1	11.29	128.5	10.39
		96.4	169.9	14.45	159.4	13.88	150.7	13.27	149.2	12.82	148.4	12.25	145.4	11.26
		106.1	188.0	15.57	175.9	14.96	166.5	14.32	164.6	13.85	163.9	13.21	160.5	12.15
	32	121.6	197.1	16.14	184.3	15.51	174.5	14.86	172.4	14.36	171.7	13.69	168.1	12.60
		38.6	259.5	19.10	239.3	18.33	222.8	17.57	218.7	16.96	215.7	16.16	207.5	14.89
		48.3	261.1	19.15	240.7	18.39	224.2	17.62	220.0	17.01	217.0	16.21	208.7	14.93
		96.4	267.5	19.38	246.4	18.61	229.4	17.81	225.3	17.20	222.3	16.40	213.6	15.09
	41	106.1	271.3	19.38	250.2	18.61	233.2	17.81	228.7	17.20	225.7	16.40	217.0	15.09
		121.6	273.2	19.38	252.1	18.61	235.1	17.81	230.4	17.20	227.4	16.40	218.7	15.09
		38.6	359.0	20.77	338.8	19.98	323.9	19.08	316.8	18.45	303.3	17.59	288.2	16.19
		48.3	359.8	20.88	339.4	20.08	324.0	19.19	316.8	18.55	303.3	17.68	288.2	16.28
	50	96.4	362.8	21.33	342.1	20.46	324.4	19.60	316.8	18.93	303.3	18.03	288.2	16.63
		106.1	362.8	21.46	341.7	20.62	324.4	19.73	316.8	19.06	303.3	18.16	288.2	16.72
		121.6	362.8	21.52	341.5	20.70	324.4	19.79	316.8	19.12	303.3	18.23	288.2	16.77
		38.6	360.9	19.11	340.2	18.25	323.9	17.32	316.8	16.84	303.3	15.95	288.2	14.76
	59	48.3	361.3	19.09	340.6	18.23	324.0	17.33	316.8	16.85	303.3	15.96	288.2	14.77
		96.4	362.8	18.99	342.1	18.13	324.4	17.36	316.8	16.88	303.3	15.99	288.2	14.80
		106.1	362.8	18.93	341.7	18.19	324.4	17.43	316.8	16.79	303.3	15.89	288.2	14.71
		121.6	362.8	18.90	341.5	18.23	324.4	17.46	316.8	16.74	303.3	15.84	288.2	14.66
	68	38.6	362.8	17.45	341.7	16.52	324.4	15.52	316.8	15.24	303.3	14.31	288.2	13.38
		48.3	362.8	17.30	341.7	16.37	324.4	15.44	316.8	15.16	303.3	14.23	288.2	13.30
		96.4	362.8	16.69	341.7	15.76	324.4	15.16	316.8	14.84	303.3	13.91	288.2	12.98
		106.1	362.8	16.37	341.7	15.76	324.4	15.16	316.8	14.52	303.3	13.59	288.2	12.66
	77	121.6	362.8	16.21	341.7	15.76	324.4	15.16	316.8	14.36	303.3	13.43	288.2	12.50
		38.6	362.8	14.59	341.7	13.99	324.4	13.30	316.8	13.06	303.3	12.46	288.2	11.53
		48.3	362.8	14.52	341.7	13.91	324.4	13.30	316.8	12.98	303.3	12.37	288.2	11.45
		96.4	362.8	14.23	341.7	13.59	324.4	13.30	316.8	12.66	303.3	12.05	288.2	11.13
	86	106.1	362.8	13.91	341.7	13.30	324.4	12.98	316.8	12.66	303.3	11.73	288.2	11.13
		121.6	362.8	13.75	341.7	13.16	324.4	12.82	316.8	12.66	303.3	11.57	288.2	11.13
		38.6	362.8	13.06	341.7	12.14	324.4	11.45	316.8	11.21	303.3	10.60	288.2	9.95
		48.3	362.8	12.98	341.7	12.05	324.4	11.45	316.8	11.13	303.3	10.52	288.2	9.88
	95	96.4	362.8	12.66	341.7	11.73	324.4	11.45	316.8	10.81	303.3	10.20	288.2	9.59
		106.1	362.8	12.37	341.7	11.73	324.4	11.13	316.8	10.81	303.3	10.20	288.2	9.59
		121.6	362.8	12.23	341.7	11.73	324.4	10.97	316.8	10.81	303.3	10.20	288.2	9.59
		38.6	362.8	11.53	341.7	10.88	324.4	10.28	316.8	9.95	303.3	9.35	288.2	8.75
	104	48.3	362.8	11.45	341.7	10.81	324.4	10.20	316.8	9.88	303.3	9.27	288.2	8.67
		96.4	362.8	11.13	341.7	10.52	324.4	9.88	316.8	9.59	303.3	8.95	288.2	8.35
		106.1	362.8	11.13	341.7	10.52	324.4	9.88	316.8	9.59	303.3	8.95	288.2	8.35
		121.6	362.8	11.13	341.7	10.52	324.4	9.88	316.8	9.59	303.3	8.95	288.2	8.35
	113	38.6	362.8	10.60	341.7	9.95	324.4	9.03	316.8	8.67	303.3	8.43	288.2	7.74
		48.3	362.8	10.52	341.7	9.88	324.4	8.95	316.8	8.67	303.3	8.35	288.2	7.74
		96.4	362.8	10.20	341.7	9.59	324.4	8.67	316.8	8.67	303.3	8.03	288.2	7.74
		106.1	362.8	10.20	341.7	9.27	324.4	8.67	316.8	8.35	303.3	8.03	288.2	7.42
	121.6	121.6	362.8	10.20	341.7	9.11	324.4	8.67	316.8	8.18	303.3	8.03	288.2	7.26
		38.6	362.8	10.03	341.7	9.03	324.4	8.03	316.8	8.10	303.3	7.42	288.2	7.17
		48.3	362.8	9.88	341.7	8.95	324.4	8.03	316.8	8.03	303.3	7.42	288.2	7.10
		96.4	362.8	9.27	341.7	8.67	324.4	8.03	316.8	7.74	303.3	7.42	288.2	6.81
	121.6	106.1	362.8	9.27	341.7	8.67	324.4	7.74	316.8	7.74	303.3	7.42	288.2	6.81
		121.6	362.8	9.27	341.7	8.67	324.4	7.59	316.8	7.74	303.3	7.42	288.2	6.81
		38.6	362.8	9.51	341.7	8.10	324.4	7.02	316.8	7.57	303.3	6.41	288.2	6.64
		48.3	362.8	9.27	341.7	8.03	324.4	7.10	316.8	7.42	303.3	6.49	288.2	6.49
	121.6	96.4	362.8	8.35	341.7	7.74	324.4	7.42	316.8	6.81	303.3	6.81	288.2	5.88
		106.1	362.8	8.35	341.7	8.03	324.4	6.81	316.8	7.10	303.3	6.81	288.2	6.17
		121.6	362.8	8.35	341.7	8.17	324.4	6.50	316.8	7.24	303.3	6.81	288.2	6.32

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	38.6	126.7	11.17	119.1	10.64	112.6	10.29	111.5	9.70	110.7	9.36	108.9	8.51
		48.3	131.1	11.42	123.2	10.87	116.4	10.52	115.3	9.91	114.5	9.56	112.6	8.70
		96.4	148.4	12.37	139.4	11.80	131.5	11.42	130.4	10.74	129.6	10.36	127.3	9.43
		106.1	164.3	13.37	154.1	12.73	145.4	12.31	144.3	11.58	143.2	11.19	140.5	10.17
		121.6	172.2	13.87	161.5	13.19	152.4	12.76	151.3	11.99	150.0	11.61	147.2	10.54
	32	38.6	227.0	16.35	209.7	15.60	194.8	15.08	191.4	14.19	188.4	13.71	181.7	12.47
		48.3	228.3	16.40	211.0	15.64	195.9	15.12	192.5	14.23	189.5	13.75	182.7	12.50
		96.4	233.6	16.60	215.9	15.80	200.4	15.32	197.0	14.39	194.0	13.91	186.9	12.63
		106.1	237.0	16.60	219.3	15.80	203.4	15.32	200.1	14.39	197.0	13.91	189.9	12.63
		121.6	238.7	16.60	221.0	15.80	205.0	15.32	201.6	14.39	198.6	13.91	191.4	12.63
	41	38.6	313.5	17.82	297.1	16.95	282.8	16.41	276.9	15.47	264.5	14.92	252.0	13.55
		48.3	314.2	17.91	297.6	17.04	282.9	16.50	276.9	15.54	264.5	15.00	252.0	13.62
		96.4	316.8	18.26	299.9	17.39	283.3	16.85	276.9	15.83	264.5	15.32	252.0	13.91
		106.1	316.8	18.39	299.5	17.52	283.3	16.98	276.9	15.96	264.5	15.41	252.0	14.01
		121.6	316.8	18.45	299.3	17.59	283.3	17.04	276.9	16.02	264.5	15.46	252.0	14.05
	50	38.6	315.0	16.40	298.1	15.51	283.3	14.93	276.9	14.10	264.5	13.53	252.0	12.37
		48.3	315.3	16.37	298.4	15.48	283.3	14.90	276.9	14.10	264.5	13.53	252.0	12.37
		96.4	316.8	16.24	299.5	15.35	283.3	14.77	276.9	14.10	264.5	13.53	252.0	12.37
		106.1	316.8	16.31	299.5	15.41	283.3	14.84	276.9	14.17	264.5	13.43	252.0	12.41
		121.6	316.8	16.34	299.5	15.44	283.3	14.87	276.9	14.20	264.5	13.38	252.0	12.42
	59	38.6	316.8	14.99	299.5	14.06	283.3	13.46	276.9	12.73	264.5	12.14	252.0	11.21
		48.3	316.8	14.84	299.5	13.91	283.3	13.30	276.9	12.66	264.5	12.05	252.0	11.13
		96.4	316.8	14.23	299.5	13.30	283.3	12.66	276.9	12.37	264.5	11.73	252.0	10.81
		106.1	316.8	14.23	299.5	13.30	283.3	12.66	276.9	12.37	264.5	11.45	252.0	10.81
		121.6	316.8	14.23	299.5	13.30	283.3	12.66	276.9	12.37	264.5	11.30	252.0	10.81
	68	38.6	316.8	12.46	299.5	11.81	283.3	11.53	276.9	11.21	264.5	10.60	252.0	9.95
		48.3	316.8	12.37	299.5	11.73	283.3	11.45	276.9	11.13	264.5	10.52	252.0	9.88
		96.4	316.8	12.05	299.5	11.45	283.3	11.13	276.9	10.81	264.5	10.20	252.0	9.59
		106.1	316.8	12.05	299.5	11.45	283.3	11.13	276.9	10.52	264.5	10.20	252.0	9.27
		121.6	316.8	12.05	299.5	11.45	283.3	11.13	276.9	10.37	264.5	10.20	252.0	9.11
	77	38.6	316.8	11.21	299.5	10.60	283.3	9.95	276.9	9.67	264.5	8.95	252.0	8.35
		48.3	316.8	11.13	299.5	10.52	283.3	9.88	276.9	9.59	264.5	8.95	252.0	8.35
		96.4	316.8	10.81	299.5	10.20	283.3	9.59	276.9	9.27	264.5	8.95	252.0	8.35
		106.1	316.8	10.52	299.5	9.88	283.3	9.59	276.9	9.27	264.5	8.67	252.0	8.35
		121.6	316.8	10.37	299.5	9.72	283.3	9.59	276.9	9.27	264.5	8.52	252.0	8.35
	86	38.6	316.8	9.95	299.5	9.35	283.3	8.75	276.9	8.35	264.5	8.10	252.0	7.42
		48.3	316.8	9.88	299.5	9.27	283.3	8.67	276.9	8.35	264.5	8.03	252.0	7.42
		96.4	316.8	9.59	299.5	8.95	283.3	8.35	276.9	8.35	264.5	7.74	252.0	7.42
		106.1	316.8	9.59	299.5	8.95	283.3	8.35	276.9	8.03	264.5	7.74	252.0	7.42
		121.6	316.8	9.59	299.5	8.95	283.3	8.35	276.9	7.86	264.5	7.74	252.0	7.42
	95	38.6	316.8	9.03	299.5	8.43	283.3	7.74	276.9	7.82	264.5	7.10	252.0	6.89
		48.3	316.8	8.95	299.5	8.35	283.3	7.74	276.9	7.74	264.5	7.10	252.0	6.81
		96.4	316.8	8.67	299.5	8.03	283.3	7.74	276.9	7.42	264.5	7.10	252.0	6.49
		106.1	316.8	8.67	299.5	8.03	283.3	7.42	276.9	7.42	264.5	7.10	252.0	6.49
		121.6	316.8	8.67	299.5	8.03	283.3	7.26	276.9	7.42	264.5	7.10	252.0	6.49
	104	38.6	316.8	8.43	299.5	7.82	283.3	7.17	276.9	6.81	264.5	6.49	252.0	6.24
		48.3	316.8	8.35	299.5	7.74	283.3	7.10	276.9	6.81	264.5	6.49	252.0	6.17
		96.4	316.8	8.03	299.5	7.42	283.3	6.81	276.9	6.81	264.5	6.49	252.0	5.88
		106.1	316.8	8.03	299.5	7.42	283.3	6.81	276.9	6.49	264.5	6.17	252.0	5.88
		121.6	316.8	8.03	299.5	7.42	283.3	6.81	276.9	6.33	264.5	6.01	252.0	5.88
	113	38.6	316.8	7.82	299.5	7.17	283.3	6.64	276.9	5.81	264.5	5.88	252.0	5.64
		48.3	316.8	7.74	299.5	7.10	283.3	6.49	276.9	5.88	264.5	5.88	252.0	5.56
		96.4	316.8	7.42	299.5	6.81	283.3	5.88	276.9	6.17	264.5	5.88	252.0	5.24
		106.1	316.8	7.42	299.5	6.81	283.3	6.17	276.9	5.56	264.5	5.24	252.0	5.24
		121.6	316.8	7.42	299.5	6.81	283.3	6.32	276.9	5.26	264.5	4.92	252.0	5.24

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM360DAS5

360,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	38.6	108.8	9.07	102.0	8.73	96.5	8.38	95.4	7.79	95.0	7.66	93.2	6.85
		48.3	112.6	9.27	105.5	8.92	99.8	8.57	98.7	7.96	98.3	7.83	96.4	7.00
		96.4	127.7	10.07	119.4	9.69	113.0	9.30	111.9	8.63	111.5	8.51	109.3	7.61
		106.1	140.9	10.84	131.9	10.46	125.1	10.04	123.6	9.34	123.2	9.18	120.6	8.19
	32	121.6	147.5	11.23	138.1	10.84	131.2	10.41	129.5	9.69	129.1	9.52	126.3	8.48
		38.6	194.8	13.29	179.4	12.82	167.4	12.27	164.1	11.41	161.8	11.25	155.9	10.05
		48.3	195.9	13.33	180.5	12.85	168.4	12.31	165.0	11.45	162.8	11.29	156.7	10.07
		96.4	200.4	13.49	184.6	12.98	172.5	12.47	168.8	11.58	166.5	11.42	160.1	10.17
	41	106.1	203.4	13.49	187.6	12.98	175.2	12.47	171.4	11.58	169.2	11.42	162.8	10.17
		121.6	205.0	13.49	189.1	12.98	176.5	12.47	172.7	11.58	170.5	11.42	164.1	10.17
		38.6	269.2	14.48	253.8	13.93	243.4	13.36	237.3	12.44	227.2	12.25	216.3	10.91
		48.3	269.7	14.55	254.3	14.01	243.4	13.43	237.3	12.50	227.2	12.31	216.3	10.97
	50	96.4	272.0	14.84	256.2	14.29	243.4	13.72	237.3	12.76	227.2	12.57	216.3	11.19
		106.1	272.0	14.96	255.8	14.39	243.4	13.81	237.3	12.85	227.2	12.63	216.3	11.29
		121.6	272.0	15.03	255.6	14.44	243.4	13.86	237.3	12.90	227.2	12.66	216.3	11.34
		38.6	270.6	13.30	254.8	12.73	243.4	12.12	237.3	11.32	227.2	11.10	216.3	9.95
	59	48.3	270.9	13.30	255.1	12.73	243.4	12.12	237.3	11.35	227.2	11.10	216.3	9.98
		96.4	272.0	13.30	256.2	12.73	243.4	12.12	237.3	11.48	227.2	11.06	216.3	10.07
		106.1	272.0	13.33	255.8	12.60	243.4	11.99	237.3	11.35	227.2	10.97	216.3	9.98
		121.6	272.0	13.35	255.6	12.53	243.4	11.93	237.3	11.29	227.2	10.92	216.3	9.93
	68	38.6	272.0	12.14	255.8	11.53	243.4	10.88	237.3	10.20	227.2	9.95	216.3	8.95
		48.3	272.0	12.05	255.8	11.45	243.4	10.81	237.3	10.20	227.2	9.88	216.3	8.95
		96.4	272.0	11.73	255.8	11.13	243.4	10.52	237.3	10.20	227.2	9.59	216.3	8.95
		106.1	272.0	11.73	255.8	10.81	243.4	10.20	237.3	9.88	227.2	9.27	216.3	8.67
	77	121.6	272.0	11.73	255.8	10.65	243.4	10.04	237.3	9.72	227.2	9.11	216.3	8.52
		38.6	272.0	10.60	255.8	9.95	243.4	9.35	237.3	9.03	227.2	8.75	216.3	8.10
		48.3	272.0	10.52	255.8	9.88	243.4	9.27	237.3	8.95	227.2	8.67	216.3	8.03
		96.4	272.0	10.20	255.8	9.59	243.4	8.95	237.3	8.67	227.2	8.35	216.3	7.74
	86	106.1	272.0	10.20	255.8	9.59	243.4	8.95	237.3	8.67	227.2	8.35	216.3	7.74
		121.6	272.0	10.20	255.8	9.59	243.4	8.95	237.3	8.67	227.2	8.35	216.3	7.74
		38.6	272.0	9.35	255.8	8.75	243.4	8.03	237.3	8.10	227.2	7.42	216.3	7.17
		48.3	272.0	9.27	255.8	8.67	243.4	8.03	237.3	8.03	227.2	7.42	216.3	7.10
	95	96.4	272.0	8.95	255.8	8.35	243.4	8.03	237.3	7.74	227.2	7.42	216.3	6.81
		106.1	272.0	8.95	255.8	8.35	243.4	7.74	237.3	7.74	227.2	7.42	216.3	6.81
		121.6	272.0	8.95	255.8	8.35	243.4	7.59	237.3	7.74	227.2	7.42	216.3	6.81
		38.6	272.0	8.43	255.8	7.82	243.4	7.50	237.3	7.17	227.2	6.89	216.3	6.57
	104	48.3	272.0	8.35	255.8	7.74	243.4	7.42	237.3	7.10	227.2	6.81	216.3	6.49
		96.4	272.0	8.03	255.8	7.42	243.4	7.10	237.3	6.81	227.2	6.49	216.3	6.17
		106.1	272.0	8.03	255.8	7.42	243.4	7.10	237.3	6.81	227.2	6.49	216.3	6.17
		121.6	272.0	8.03	255.8	7.42	243.4	7.10	237.3	6.81	227.2	6.49	216.3	6.17
	113	38.6	272.0	7.42	255.8	7.17	243.4	6.49	237.3	6.57	227.2	6.24	216.3	5.96
		48.3	272.0	7.42	255.8	7.10	243.4	6.49	237.3	6.49	227.2	6.17	216.3	5.88
		96.4	272.0	7.42	255.8	6.81	243.4	6.49	237.3	6.17	227.2	5.88	216.3	5.56
		106.1	272.0	7.42	255.8	6.81	243.4	6.17	237.3	6.17	227.2	5.88	216.3	5.56
	113	121.6	272.0	7.42	255.8	6.81	243.4	6.01	237.3	6.17	227.2	5.88	216.3	5.56
		38.6	272.0	6.81	255.8	6.57	243.4	5.88	237.3	5.96	227.2	5.64	216.3	5.24
		48.3	272.0	6.81	255.8	6.49	243.4	5.88	237.3	5.88	227.2	5.56	216.3	5.24
		96.4	272.0	6.81	255.8	6.17	243.4	5.88	237.3	5.56	227.2	5.24	216.3	5.24
	113	106.1	272.0	6.81	255.8	6.17	243.4	5.88	237.3	5.56	227.2	5.24	216.3	5.24
		121.6	272.0	6.81	255.8	6.17	243.4	5.88	237.3	5.56	227.2	5.24	216.3	5.24
		38.6	272.0	6.17	255.8	5.96	243.4	5.24	237.3	5.32	227.2	5.04	216.3	4.56
		48.3	272.0	6.17	255.8	5.88	243.4	5.24	237.3	5.24	227.2	4.96	216.3	4.64
	113	96.4	272.0	6.17	255.8	5.56	243.4	5.24	237.3	4.96	227.2	4.64	216.3	4.96
		106.1	272.0	6.17	255.8	5.56	243.4	5.56	237.3	4.96	227.2	4.64	216.3	4.96
	113	121.6	272.0	6.17	255.8	5.56	243.4	5.72	237.3	4.96	227.2	4.64	216.3	4.96

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	38.6	90.8	7.23	85.3	6.85	80.5	6.48	79.4	6.13	79.0	5.75	77.6	5.45
		48.3	93.8	7.39	88.2	7.00	83.3	6.62	82.1	6.27	81.8	5.88	80.2	5.56
		96.4	105.9	7.99	99.5	7.61	94.2	7.16	93.1	6.81	92.7	6.40	90.8	6.01
		106.1	117.2	8.63	110.0	8.19	104.0	7.74	102.9	7.35	102.1	6.87	100.6	6.49
	32	121.6	122.9	8.96	115.3	8.48	108.9	8.03	107.8	7.63	106.8	7.12	105.5	6.73
		38.6	161.8	10.59	149.8	10.05	139.3	9.46	136.3	8.98	134.4	8.45	129.6	7.97
		48.3	162.8	10.62	150.7	10.07	140.1	9.50	137.1	9.02	135.3	8.47	130.4	7.99
		96.4	166.5	10.71	154.1	10.17	143.5	9.62	140.5	9.14	138.6	8.57	133.4	8.09
	41	106.1	169.2	10.71	156.3	10.17	145.4	9.62	142.8	9.14	140.5	8.57	135.6	8.09
		121.6	170.5	10.71	157.5	10.17	146.4	9.62	143.9	9.14	141.5	8.57	136.8	8.09
		38.6	223.7	11.52	212.1	10.91	202.2	10.30	197.4	9.80	188.7	9.20	180.1	8.65
		48.3	224.2	11.58	212.5	10.97	202.3	10.36	197.4	9.85	188.7	9.24	180.1	8.70
	50	96.4	226.0	11.80	214.0	11.19	202.7	10.58	197.4	10.04	188.7	9.40	180.1	8.89
		106.1	226.0	11.89	213.6	11.29	202.7	10.65	197.4	10.10	188.7	9.50	180.1	8.95
		121.6	226.0	11.94	213.4	11.34	202.7	10.68	197.4	10.14	188.7	9.54	180.1	8.99
	59	38.6	225.1	10.60	212.6	9.98	202.2	9.38	197.4	8.97	188.7	8.29	180.1	7.91
		48.3	225.3	10.58	212.9	9.98	202.3	9.37	197.4	8.95	188.7	8.31	180.1	7.90
		96.4	226.0	10.52	214.0	9.94	202.7	9.30	197.4	8.89	188.7	8.41	180.1	7.83
		106.1	226.0	10.58	213.6	9.98	202.7	9.34	197.4	8.92	188.7	8.28	180.1	7.87
	68	121.6	226.0	10.62	213.4	9.99	202.7	9.35	197.4	8.94	188.7	8.22	180.1	7.88
		38.6	226.0	9.67	213.6	9.03	202.7	8.43	197.4	8.10	188.7	7.42	180.1	7.17
		48.3	226.0	9.59	213.6	8.95	202.7	8.35	197.4	8.03	188.7	7.42	180.1	7.10
		96.4	226.0	9.27	213.6	8.67	202.7	8.03	197.4	7.74	188.7	7.42	180.1	6.81
	77	106.1	226.0	9.27	213.6	8.67	202.7	8.03	197.4	7.74	188.7	7.10	180.1	6.81
		121.6	226.0	9.27	213.6	8.67	202.7	8.03	197.4	7.74	188.7	6.94	180.1	6.81
		38.6	226.0	8.43	213.6	7.82	202.7	7.50	197.4	7.17	188.7	6.89	180.1	6.17
		48.3	226.0	8.35	213.6	7.74	202.7	7.42	197.4	7.10	188.7	6.81	180.1	6.17
	86	96.4	226.0	8.03	213.6	7.42	202.7	7.10	197.4	6.81	188.7	6.49	180.1	6.17
		106.1	226.0	8.03	213.6	7.42	202.7	7.10	197.4	6.81	188.7	6.49	180.1	6.17
		121.6	226.0	8.03	213.6	7.42	202.7	7.10	197.4	6.81	188.7	6.49	180.1	6.17
		38.6	226.0	7.50	213.6	6.81	202.7	6.57	197.4	6.17	188.7	5.88	180.1	5.56
	95	48.3	226.0	7.42	213.6	6.81	202.7	6.49	197.4	6.17	188.7	5.88	180.1	5.56
		96.4	226.0	7.10	213.6	6.81	202.7	6.17	197.4	6.17	188.7	5.88	180.1	5.56
		106.1	226.0	7.10	213.6	6.81	202.7	6.17	197.4	6.17	188.7	5.88	180.1	5.56
		121.6	226.0	7.10	213.6	6.81	202.7	6.17	197.4	6.17	188.7	5.88	180.1	5.56
	104	38.6	226.0	6.89	213.6	6.24	202.7	5.96	197.4	5.56	188.7	5.64	180.1	5.32
		48.3	226.0	6.81	213.6	6.17	202.7	5.88	197.4	5.56	188.7	5.56	180.1	5.24
		96.4	226.0	6.49	213.6	5.88	202.7	5.56	197.4	5.56	188.7	5.24	180.1	4.96
		106.1	226.0	6.49	213.6	5.88	202.7	5.56	197.4	5.56	188.7	5.24	180.1	4.96
	113	121.6	226.0	6.49	213.6	5.88	202.7	5.56	197.4	5.56	188.7	5.24	180.1	4.96
		38.6	226.0	6.24	213.6	5.56	202.7	5.24	197.4	5.32	188.7	4.96	180.1	4.64
		48.3	226.0	6.17	213.6	5.56	202.7	5.24	197.4	5.24	188.7	4.96	180.1	4.64
		96.4	226.0	5.88	213.6	5.56	202.7	5.24	197.4	4.96	188.7	4.96	180.1	4.64
	113	106.1	226.0	5.88	213.6	5.56	202.7	5.24	197.4	4.96	188.7	4.96	180.1	4.64
		121.6	226.0	5.88	213.6	5.56	202.7	5.24	197.4	4.96	188.7	4.96	180.1	4.64
		38.6	226.0	5.64	213.6	5.32	202.7	5.04	197.4	4.64	188.7	4.72	180.1	4.32
		48.3	226.0	5.56	213.6	5.24	202.7	4.96	197.4	4.64	188.7	4.64	180.1	4.32
	113	96.4	226.0	5.24	213.6	4.96	202.7	4.64	197.4	4.64	188.7	4.32	180.1	4.32
		106.1	226.0	5.24	213.6	4.96	202.7	4.64	197.4	4.64	188.7	4.32	180.1	4.32
		121.6	226.0	5.24	213.6	4.96	202.7	4.64	197.4	4.64	188.7	4.32	180.1	4.32
		38.6	226.0	5.04	213.6	5.12	202.7	4.79	197.4	3.96	188.7	4.47	180.1	4.03
	113	48.3	226.0	4.96	213.6	4.96	202.7	4.64	197.4	4.03	188.7	4.32	180.1	4.03
		96.4	226.0	4.64	213.6	4.32	202.7	4.03	197.4	4.32	188.7	3.71	180.1	4.03
		106.1	226.0	4.64	213.6	4.32	202.7	4.03	197.4	4.32	188.7	3.71	180.1	4.03
		121.6	226.0	4.64	213.6	4.32	202.7	4.03	197.4	4.32	188.7	3.71	180.1	4.03

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM432DAS5

432,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	42.6	229.9	29.47	228.2	27.74	226.9	25.83	223.8	25.06	226.4	24.41	220.2	21.89
		53.4	237.8	29.98	236.0	28.28	234.6	26.39	231.5	25.61	234.2	24.94	227.9	22.36
		106.5	269.0	32.02	266.7	30.42	265.4	28.62	261.8	27.80	264.9	27.02	258.1	24.26
		133.2	297.5	34.06	294.8	32.50	293.0	30.85	289.3	30.03	293.0	29.16	285.3	26.15
		159.9	311.8	35.08	308.9	33.55	306.9	31.98	303.2	31.15	307.1	30.23	298.9	27.10
	32	42.6	410.7	40.30	401.4	39.10	392.8	37.83	384.3	36.76	385.6	35.75	368.0	32.02
		53.4	413.2	40.41	403.7	39.20	395.1	37.94	386.5	36.87	387.9	35.85	370.3	32.11
		106.5	423.2	40.85	412.8	39.59	404.2	38.37	395.6	37.31	396.9	36.24	379.3	32.50
		133.2	429.5	40.85	419.1	39.59	410.5	38.37	401.5	37.31	402.8	36.24	384.7	32.50
		159.9	432.7	40.85	422.3	39.59	413.7	38.37	404.4	37.31	405.8	36.24	387.5	32.50
	41	42.6	591.5	43.32	582.6	42.25	570.4	41.17	556.1	40.01	541.2	38.90	511.3	34.84
		53.4	593.6	43.52	583.7	42.45	570.5	41.38	556.1	40.22	541.2	39.10	511.3	35.03
		106.5	601.7	44.29	587.7	43.22	571.0	42.21	556.1	41.04	541.2	39.88	511.3	35.75
		133.2	605.4	44.58	589.5	43.52	571.0	42.50	556.1	41.33	541.2	40.17	511.3	36.00
		159.9	607.2	44.73	590.4	43.66	571.0	42.64	556.1	41.48	541.2	40.31	511.3	36.12
	50	42.6	592.3	39.42	582.7	38.09	568.7	37.38	553.8	36.54	539.1	35.29	509.3	31.85
		53.4	595.9	39.34	585.5	38.13	571.0	37.45	556.1	36.53	541.2	35.27	511.3	31.82
		106.5	609.9	39.05	596.3	38.28	580.0	37.74	565.1	36.48	549.3	35.17	519.5	31.73
		133.2	613.0	39.59	600.4	38.81	583.7	37.89	567.8	36.63	552.9	35.75	522.6	33.23
		159.9	614.6	39.85	602.4	39.08	585.5	37.96	569.2	36.70	554.7	36.05	524.2	33.99
	59	42.6	593.2	35.53	582.8	34.01	566.4	33.64	551.5	33.09	537.0	31.68	507.2	28.87
		53.4	598.1	35.17	587.3	33.86	571.0	33.57	556.1	32.84	541.2	31.44	511.3	28.62
		106.5	617.6	33.76	604.9	33.28	589.1	33.28	574.2	31.87	557.4	30.47	527.6	27.65
		133.2	620.7	34.59	610.8	34.06	596.3	33.28	580.0	31.87	565.1	31.34	533.9	30.47
		159.9	622.3	35.00	613.7	34.45	600.0	33.28	583.0	31.87	569.0	31.78	537.1	31.88
	68	42.6	615.8	32.59	604.5	31.07	588.6	30.39	572.3	29.42	555.7	28.77	522.7	27.88
		53.4	620.7	32.36	609.4	31.05	593.1	30.37	576.9	29.54	560.6	28.96	527.6	27.65
		106.5	640.2	31.44	628.9	30.95	611.2	30.27	595.0	30.03	580.0	29.74	547.0	26.73
		133.2	642.9	31.44	633.4	30.95	618.5	30.47	600.8	30.03	584.6	29.74	551.6	28.43
		159.9	644.2	31.44	635.7	30.95	622.1	30.56	603.8	30.03	586.8	29.74	553.8	29.28
	77	42.6	650.1	31.07	633.4	30.18	618.5	29.67	606.7	29.17	593.1	28.74	559.2	26.85
		53.4	650.1	30.95	633.4	30.13	618.5	29.54	606.7	29.06	593.1	28.62	559.2	26.73
		106.5	650.1	30.47	633.4	29.93	618.5	29.06	606.7	28.62	593.1	28.14	559.2	26.25
		133.2	650.1	30.03	633.4	29.16	618.5	28.62	606.7	28.14	593.1	27.65	559.2	25.81
		159.9	650.1	29.81	633.4	28.76	618.5	28.40	606.7	27.89	593.1	27.41	559.2	25.59
	86	42.6	650.1	30.27	633.4	28.77	618.5	28.50	606.7	27.76	593.1	27.46	559.2	25.56
		53.4	650.1	30.03	633.4	28.72	618.5	28.33	606.7	27.65	593.1	27.22	559.2	25.32
		106.5	650.1	29.06	633.4	28.53	618.5	27.65	606.7	27.22	593.1	26.25	559.2	24.40
		133.2	650.1	28.62	633.4	27.75	618.5	27.22	606.7	26.73	593.1	26.25	559.2	24.40
		159.9	650.1	28.40	633.4	27.36	618.5	27.00	606.7	26.49	593.1	26.25	559.2	24.40
	95	42.6	650.1	28.87	633.4	27.91	618.5	27.34	606.7	26.36	593.1	25.45	559.2	23.66
		53.4	650.1	28.62	633.4	27.75	618.5	27.22	606.7	26.25	593.1	25.32	559.2	23.43
		106.5	650.1	27.65	633.4	27.12	618.5	26.73	606.7	25.81	593.1	24.84	559.2	22.51
		133.2	650.1	27.65	633.4	26.83	618.5	26.25	606.7	25.32	593.1	24.40	559.2	22.51
		159.9	650.1	27.65	633.4	26.68	618.5	26.00	606.7	25.08	593.1	24.18	559.2	22.51
	104	42.6	650.1	27.88	633.4	27.00	618.5	26.48	606.7	25.56	593.1	24.65	559.2	22.26
		53.4	650.1	27.65	633.4	26.83	618.5	26.25	606.7	25.32	593.1	24.40	559.2	22.02
		106.5	650.1	26.73	633.4	26.15	618.5	25.32	606.7	24.40	593.1	23.43	559.2	21.10
		133.2	650.1	26.25	633.4	25.71	618.5	25.32	606.7	24.40	593.1	23.43	559.2	21.10
		159.9	650.1	26.00	633.4	25.49	618.5	25.32	606.7	24.40	593.1	23.43	559.2	21.10
	113	42.6	650.1	26.96	633.4	26.08	618.5	25.68	606.7	24.76	593.1	23.79	559.2	20.85
		53.4	650.1	26.73	633.4	25.91	618.5	25.32	606.7	24.40	593.1	23.43	559.2	20.62
		106.5	650.1	25.81	633.4	25.23	618.5	23.92	606.7	22.99	593.1	22.02	559.2	19.70
		133.2	650.1	24.84	633.4	24.60	618.5	24.40	606.7	23.43	593.1	22.51	559.2	19.70
		159.9	650.1	24.35	633.4	24.28	618.5	24.65	606.7	23.65	593.1	22.75	559.2	19.70

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	42.6	218.5	29.47	216.8	27.74	215.5	25.83	212.9	24.74	214.6	24.02	208.9	21.50
		53.4	226.0	29.98	224.2	28.28	222.9	26.39	220.2	25.27	222.0	24.55	216.1	21.98
		106.5	255.9	32.02	253.6	30.42	252.3	28.62	249.1	27.41	251.4	26.63	244.6	23.87
		133.2	282.6	34.06	280.3	32.50	278.5	30.85	275.3	29.59	277.6	28.72	269.9	25.71
		159.9	296.0	35.08	293.7	33.55	291.7	31.98	288.5	30.69	290.8	29.77	282.7	26.64
	32	42.6	390.6	40.30	381.1	39.10	373.0	37.83	365.4	36.23	365.4	35.22	348.7	31.48
		53.4	392.9	40.41	383.4	39.20	375.2	37.94	367.6	36.34	367.6	35.32	350.8	31.58
		106.5	401.9	40.85	392.4	39.59	384.3	38.37	376.1	36.77	376.1	35.70	359.4	31.97
		133.2	408.2	40.85	398.7	39.59	390.2	38.37	382.0	36.77	381.6	35.70	364.8	31.97
		159.9	411.4	40.85	401.9	39.59	393.1	38.37	385.0	36.77	384.3	35.70	367.6	31.97
	41	42.6	563.1	43.32	554.6	42.25	542.5	41.17	529.4	39.43	512.7	38.32	484.6	34.32
		53.4	565.1	43.52	555.6	42.45	542.5	41.38	529.4	39.63	512.7	38.52	484.6	34.49
		106.5	573.3	44.29	559.7	43.22	542.5	42.21	529.4	40.46	512.7	39.29	484.6	35.17
		133.2	576.4	44.58	556.5	43.52	542.5	42.50	529.4	40.75	512.7	39.59	484.6	35.41
		159.9	578.0	44.73	554.9	43.66	542.5	42.64	529.4	40.90	512.7	39.73	484.6	35.54
	50	42.6	565.2	38.92	554.7	37.84	541.0	37.07	527.9	35.95	511.3	34.76	483.4	31.25
		53.4	567.8	39.05	557.0	37.98	542.5	37.21	529.4	36.00	512.7	34.73	484.6	31.29
		106.5	578.2	39.59	566.0	38.57	548.4	37.74	535.3	36.19	518.1	34.64	489.6	31.44
		133.2	581.4	39.44	564.2	38.57	550.6	37.89	537.5	36.34	520.4	34.78	491.9	32.50
		159.9	583.0	39.37	563.3	38.57	551.8	37.96	538.7	36.41	521.5	34.86	493.0	33.04
	59	42.6	566.8	34.52	555.4	33.50	539.4	32.98	526.4	32.48	510.0	31.18	482.0	28.26
		53.4	570.1	34.59	558.8	33.57	542.5	33.04	529.4	32.36	512.7	30.95	484.6	28.14
		106.5	583.2	34.88	572.3	33.86	554.7	33.28	541.2	31.87	523.1	30.03	495.0	27.65
		133.2	586.4	34.35	571.9	33.57	559.2	33.28	545.7	31.87	527.6	30.03	499.6	29.54
		159.9	588.0	34.08	571.7	33.42	561.5	33.28	548.0	31.87	529.9	30.03	501.8	30.50
	68	42.6	582.6	31.05	571.6	29.72	554.3	28.94	539.1	28.51	521.6	28.16	493.4	26.73
		53.4	586.4	31.05	575.1	29.83	557.4	29.06	542.5	28.62	524.9	28.14	496.4	26.63
		106.5	601.3	31.05	588.6	30.27	569.6	29.54	556.1	29.06	538.0	28.04	508.2	26.25
		133.2	604.0	30.76	588.2	30.03	574.2	29.54	559.2	29.06	541.2	28.14	511.3	27.22
		159.9	605.4	30.61	587.9	29.91	576.4	29.54	560.8	29.06	542.8	28.19	512.9	27.70
	77	42.6	610.9	29.36	593.1	27.99	574.2	27.46	562.0	26.85	547.0	26.36	517.2	24.52
		53.4	611.2	29.25	593.1	27.94	574.2	27.41	562.0	26.73	547.0	26.25	517.2	24.40
		106.5	612.6	28.82	593.1	27.75	574.2	27.22	562.0	26.25	547.0	25.81	517.2	23.92
		133.2	614.4	27.75	593.1	27.02	574.2	26.73	562.0	26.25	547.0	25.32	517.2	23.92
		159.9	615.3	27.21	593.1	26.65	574.2	26.49	562.0	26.25	547.0	25.08	517.2	23.92
	86	42.6	614.4	28.08	593.1	26.70	574.2	25.93	562.0	24.95	547.0	24.65	517.2	22.63
		53.4	614.4	27.85	593.1	26.54	574.2	25.81	562.0	24.84	547.0	24.40	517.2	22.51
		106.5	614.4	26.92	593.1	25.91	574.2	25.32	562.0	24.40	547.0	23.43	517.2	22.02
		133.2	614.4	26.05	593.1	25.32	574.2	24.84	562.0	24.40	547.0	23.43	517.2	21.59
		159.9	614.4	25.61	593.1	25.03	574.2	24.59	562.0	24.40	547.0	23.43	517.2	21.37
	95	42.6	614.4	26.82	593.1	25.36	574.2	24.65	562.0	23.66	547.0	22.74	517.2	20.73
		53.4	614.4	26.44	593.1	25.13	574.2	24.40	562.0	23.43	547.0	22.51	517.2	20.62
		106.5	614.4	24.94	593.1	24.21	574.2	23.43	562.0	22.51	547.0	21.59	517.2	20.18
		133.2	614.4	24.64	593.1	24.01	574.2	23.43	562.0	22.51	547.0	21.59	517.2	19.70
		159.9	614.4	24.50	593.1	23.92	574.2	23.43	562.0	22.51	547.0	21.59	517.2	19.45
	104	42.6	614.4	26.02	593.1	24.20	574.2	23.24	562.0	22.26	547.0	21.34	517.2	19.32
		53.4	614.4	25.52	593.1	23.92	574.2	22.99	562.0	22.02	547.0	21.10	517.2	19.21
		106.5	614.4	23.53	593.1	22.80	574.2	22.02	562.0	21.10	547.0	20.18	517.2	18.77
		133.2	614.4	23.24	593.1	22.51	574.2	22.02	562.0	21.10	547.0	20.18	517.2	18.29
		159.9	614.4	23.09	593.1	22.36	574.2	22.02	562.0	21.10	547.0	20.18	517.2	18.04
	113	42.6	614.4	25.22	593.1	23.03	574.2	21.83	562.0	20.85	547.0	19.93	517.2	17.91
		53.4	614.4	24.60	593.1	22.70	574.2	21.59	562.0	20.62	547.0	19.70	517.2	17.80
		106.5	614.4	22.12	593.1	21.39	574.2	20.62	562.0	19.70	547.0	18.77	517.2	17.37
		133.2	614.4	21.83	593.1	21.01	574.2	20.62	562.0	19.70	547.0	18.77	517.2	16.88
		159.9	614.4	21.68	593.1	20.81	574.2	20.62	562.0	19.70	547.0	18.77	517.2	16.64

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM432DAS5

432,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	42.6	206.8	29.85	205.4	27.74	204.0	25.83	201.9	24.74	202.5	24.02	197.9	21.50
		53.4	213.8	30.37	212.5	28.28	211.1	26.39	208.9	25.27	209.3	24.55	204.8	21.98
		106.5	241.9	32.41	240.5	30.42	239.2	28.62	236.4	27.41	236.4	26.63	231.9	23.87
		133.2	267.2	34.49	265.4	32.50	264.0	30.85	261.3	29.59	261.3	28.72	255.9	25.71
		159.9	279.9	35.54	277.9	33.55	276.6	31.98	273.8	30.69	273.8	29.77	268.0	26.64
	32	42.6	369.5	40.85	361.3	39.10	353.7	37.83	347.0	36.23	343.8	35.22	330.8	31.48
		53.4	371.6	40.94	363.5	39.20	355.8	37.94	349.0	36.34	345.9	35.32	332.7	31.58
		106.5	380.2	41.33	372.1	39.59	363.9	38.37	357.2	36.77	354.0	35.70	340.4	31.97
		133.2	386.1	41.33	377.9	39.59	369.8	38.37	362.6	36.77	359.4	35.70	345.4	31.97
		159.9	389.0	41.33	380.9	39.59	372.8	38.37	365.3	36.77	362.1	35.70	347.9	31.97
	41	42.6	538.9	43.90	526.1	42.25	513.9	41.17	502.3	39.43	482.8	38.32	459.3	34.32
		53.4	540.7	44.10	527.1	42.45	514.0	41.38	502.3	39.63	482.8	38.52	459.3	34.49
		106.5	547.9	44.87	531.2	43.22	514.5	42.21	502.3	40.46	482.8	39.29	459.3	35.17
		133.2	551.1	45.16	532.6	43.52	514.5	42.50	502.3	40.75	482.8	39.59	459.3	35.41
		159.9	552.7	45.31	533.2	43.66	514.5	42.64	502.3	40.90	482.8	39.73	459.3	35.54
	50	42.6	540.9	39.37	527.6	38.02	513.2	37.20	501.5	35.95	482.0	34.76	458.8	31.25
		53.4	543.0	39.44	528.9	38.13	514.0	37.31	502.3	36.00	482.8	34.73	459.3	31.29
		106.5	551.1	39.73	534.4	38.57	517.2	37.74	505.4	36.19	486.0	34.64	461.6	31.44
		133.2	554.3	39.73	536.6	38.57	519.0	37.65	506.3	36.09	486.9	34.78	462.9	31.78
		159.9	555.9	39.73	537.8	38.57	519.9	37.60	506.8	36.04	487.4	34.86	463.6	31.95
	59	42.6	542.5	34.83	528.4	33.86	513.0	33.28	500.8	32.48	481.2	31.18	458.2	28.26
		53.4	544.8	34.78	530.3	33.86	514.5	33.28	502.3	32.36	482.8	30.95	459.3	28.14
		106.5	553.8	34.59	538.0	33.86	520.4	33.28	508.2	31.87	489.2	30.03	463.8	27.65
		133.2	557.0	34.35	540.7	33.57	523.1	32.84	510.0	31.44	490.5	30.03	466.6	28.14
		159.9	558.6	34.22	542.1	33.42	524.4	32.62	510.9	31.22	491.2	30.03	467.9	28.38
	68	42.6	552.7	30.06	537.5	29.35	520.2	28.62	506.2	28.14	487.7	27.34	462.0	25.57
		53.4	555.6	30.13	539.3	29.35	521.7	28.62	508.2	28.14	489.2	27.22	463.8	25.52
		106.5	567.4	30.37	546.6	29.35	527.6	28.62	515.8	28.14	495.0	26.73	471.1	25.32
		133.2	570.5	30.37	551.1	29.35	530.8	28.62	517.2	27.65	497.8	26.73	472.4	25.32
		159.9	572.1	30.37	553.4	29.35	532.4	28.62	517.9	27.41	499.1	26.73	473.1	25.32
	77	42.6	569.9	27.36	552.9	26.36	530.8	25.93	519.0	24.95	500.9	24.04	474.2	22.02
		53.4	571.0	27.31	552.9	26.25	530.8	25.81	519.0	24.84	500.9	23.92	474.2	22.02
		106.5	575.5	27.12	552.9	25.81	530.8	25.32	519.0	24.40	500.9	23.43	474.2	22.02
		133.2	578.2	27.12	552.9	25.91	530.8	24.84	519.0	24.40	500.9	22.99	474.2	21.59
		159.9	579.6	27.12	552.9	25.95	530.8	24.59	519.0	24.40	500.9	22.77	474.2	21.37
	86	42.6	578.2	24.95	552.9	24.04	530.8	23.12	519.0	22.63	500.9	21.23	474.2	19.82
		53.4	578.2	24.84	552.9	23.92	530.8	22.99	519.0	22.51	500.9	21.10	474.2	19.70
		106.5	578.2	24.40	552.9	23.43	530.8	22.51	519.0	22.02	500.9	20.62	474.2	19.21
		133.2	578.2	24.21	552.9	22.99	530.8	22.02	519.0	21.59	500.9	20.62	474.2	19.21
		159.9	578.2	24.11	552.9	22.77	530.8	21.78	519.0	21.37	500.9	20.62	474.2	19.21
	95	42.6	578.2	23.66	552.9	22.13	530.8	21.23	519.0	20.30	500.9	19.32	474.2	17.91
		53.4	578.2	23.43	552.9	22.02	530.8	21.10	519.0	20.18	500.9	19.21	474.2	17.80
		106.5	578.2	22.51	552.9	21.59	530.8	20.62	519.0	19.70	500.9	18.77	474.2	17.37
		133.2	578.2	21.93	552.9	21.10	530.8	20.18	519.0	19.70	500.9	18.77	474.2	17.37
		159.9	578.2	21.63	552.9	20.86	530.8	19.96	519.0	19.70	500.9	18.77	474.2	17.37
	104	42.6	578.2	22.26	552.9	21.34	530.8	19.93	519.0	18.90	500.9	17.91	474.2	16.51
		53.4	578.2	22.02	552.9	21.10	530.8	19.70	519.0	18.77	500.9	17.80	474.2	16.40
		106.5	578.2	21.10	552.9	20.18	530.8	18.77	519.0	18.29	500.9	17.37	474.2	15.96
		133.2	578.2	20.81	552.9	19.70	530.8	18.77	519.0	17.80	500.9	16.88	474.2	15.48
		159.9	578.2	20.66	552.9	19.45	530.8	18.77	519.0	17.56	500.9	16.64	474.2	15.23
	113	42.6	578.2	20.85	552.9	20.54	530.8	18.64	519.0	17.49	500.9	16.51	474.2	15.10
		53.4	578.2	20.62	552.9	20.18	530.8	18.29	519.0	17.37	500.9	16.40	474.2	14.99
		106.5	578.2	19.70	552.9	18.77	530.8	16.88	519.0	16.88	500.9	15.96	474.2	14.55
		133.2	578.2	19.70	552.9	18.29	530.8	17.37	519.0	15.96	500.9	14.99	474.2	13.58
		159.9	578.2	19.70	552.9	18.04	530.8	17.61	519.0	15.50	500.9	14.50	474.2	13.09

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	42.6	195.3	29.85	194.0	28.13	193.2	25.83	191.5	24.74	189.7	23.63	186.1	21.50
		53.4	202.1	30.37	200.7	28.67	199.8	26.39	198.0	25.27	196.2	24.16	192.6	21.98
		106.5	228.8	32.41	227.4	30.81	226.0	28.62	223.8	27.41	222.0	26.25	218.4	23.87
		133.2	252.7	34.49	250.9	32.94	249.6	30.85	247.3	29.59	245.5	28.28	241.0	25.71
	32	159.9	264.8	35.54	262.8	34.02	261.4	31.98	259.1	30.69	257.3	29.31	252.4	26.64
		42.6	349.2	40.85	341.5	39.63	334.4	37.83	328.5	36.23	322.7	34.69	311.5	31.48
		53.4	351.3	40.94	343.6	39.73	336.4	37.94	330.5	36.34	324.6	34.78	313.3	31.58
		106.5	359.4	41.33	351.7	40.12	344.0	38.37	338.2	36.77	332.3	35.17	320.5	31.97
		133.2	364.8	41.33	357.2	40.12	349.5	38.37	343.1	36.77	337.3	35.17	325.5	31.97
	41	159.9	367.6	41.33	359.9	40.12	352.2	38.37	345.6	36.77	339.8	35.17	328.0	31.97
		42.6	515.4	43.90	498.2	42.83	485.4	41.17	475.6	39.43	453.0	37.74	432.2	34.32
		53.4	517.2	44.10	499.1	43.03	485.5	41.38	475.6	39.63	453.0	37.94	432.2	34.49
		106.5	524.4	44.87	502.7	43.81	486.0	42.21	475.6	40.46	453.0	38.71	432.2	35.17
	50	133.2	527.6	45.16	504.1	44.10	486.0	42.50	475.6	40.75	453.0	38.96	432.2	35.41
		159.9	529.2	45.31	504.8	44.24	486.0	42.64	475.6	40.90	453.0	39.08	432.2	35.54
	59	42.6	518.2	39.26	499.8	38.40	486.0	37.20	475.6	35.95	453.0	34.16	432.2	31.25
		53.4	519.5	39.44	500.5	38.52	486.0	37.31	475.6	36.00	453.0	34.20	432.2	31.29
		106.5	524.4	40.17	503.2	39.00	486.0	37.74	475.6	36.19	453.0	34.35	432.2	31.44
		133.2	528.0	40.02	505.4	39.00	486.0	37.65	475.6	36.09	453.0	34.25	432.2	31.29
	68	159.9	529.9	39.95	506.6	39.00	486.0	37.60	475.6	36.04	453.0	34.20	432.2	31.22
		42.6	521.0	34.61	501.9	34.03	486.0	33.28	475.6	32.48	453.0	30.58	432.2	28.26
		53.4	521.7	34.78	502.3	34.06	486.0	33.28	475.6	32.36	453.0	30.47	432.2	28.14
		106.5	524.4	35.46	503.6	34.15	486.0	33.28	475.6	31.87	453.0	30.03	432.2	27.65
	77	133.2	528.9	34.88	506.3	33.86	486.0	32.84	475.6	31.44	453.0	29.54	432.2	27.22
		159.9	531.2	34.59	507.7	33.71	486.0	32.62	475.6	31.22	453.0	29.30	432.2	27.00
	86	42.6	523.8	29.60	504.6	28.84	486.0	28.14	475.6	27.76	453.0	25.93	432.2	24.65
		53.4	525.8	29.74	505.0	28.86	486.0	28.14	475.6	27.65	453.0	25.81	432.2	24.40
		106.5	533.5	30.27	506.3	28.96	486.0	28.14	475.6	27.22	453.0	25.32	432.2	23.43
		133.2	536.6	29.74	510.9	28.72	486.0	27.65	475.6	26.73	453.0	24.84	432.2	22.99
	95	159.9	538.2	29.47	513.1	28.60	486.0	27.41	475.6	26.49	453.0	24.59	432.2	22.77
		42.6	530.2	25.88	512.7	25.07	486.0	24.04	475.6	23.12	453.0	21.71	432.2	19.70
		53.4	532.1	25.91	512.7	24.94	486.0	23.92	475.6	22.99	453.0	21.59	432.2	19.70
		106.5	539.8	26.00	512.7	24.40	486.0	23.43	475.6	22.51	453.0	21.10	432.2	19.70
	104	133.2	542.5	25.42	512.7	24.21	486.0	22.99	475.6	22.02	453.0	21.10	432.2	19.21
		159.9	543.9	25.13	512.7	24.11	486.0	22.77	475.6	21.78	453.0	21.10	432.2	18.97
	113	42.6	542.5	23.54	512.7	21.71	486.0	20.23	475.6	19.82	453.0	18.29	432.2	17.49
		53.4	542.5	23.43	512.7	21.59	486.0	20.18	475.6	19.70	453.0	18.29	432.2	17.37
		106.5	542.5	22.99	512.7	21.10	486.0	19.99	475.6	19.21	453.0	18.29	432.2	16.88
		133.2	542.5	22.51	512.7	21.10	486.0	19.70	475.6	19.21	453.0	17.80	432.2	16.88
	122	159.9	542.5	22.27	512.7	21.10	486.0	19.55	475.6	19.21	453.0	17.56	432.2	16.88
		42.6	542.5	21.83	512.7	19.93	486.0	17.85	475.6	17.49	453.0	16.51	432.2	15.10
		53.4	542.5	21.59	512.7	19.70	486.0	17.80	475.6	17.37	453.0	16.40	432.2	14.99
		106.5	542.5	20.62	512.7	18.77	486.0	17.61	475.6	16.88	453.0	15.96	432.2	14.55
	131	133.2	542.5	20.62	512.7	18.77	486.0	17.37	475.6	16.88	453.0	15.96	432.2	14.55
		159.9	542.5	20.62	512.7	18.77	486.0	17.25	475.6	16.88	453.0	15.96	432.2	14.55
	140	42.6	542.5	20.43	512.7	18.52	486.0	16.01	475.6	15.60	453.0	14.68	432.2	13.69
		53.4	542.5	20.18	512.7	18.29	486.0	15.96	475.6	15.48	453.0	14.55	432.2	13.58
		106.5	542.5	19.21	512.7	17.37	486.0	15.77	475.6	14.99	453.0	14.07	432.2	13.15
		133.2	542.5	18.77	512.7	17.37	486.0	15.48	475.6	14.99	453.0	14.07	432.2	13.15
	149	159.9	542.5	18.55	512.7	17.37	486.0	15.33	475.6	14.99	453.0	14.07	432.2	13.15
		42.6	542.5	19.02	512.7	17.12	486.0	14.12	475.6	13.69	453.0	12.78	432.2	12.29
		53.4	542.5	18.77	512.7	16.88	486.0	14.07	475.6	13.58	453.0	12.66	432.2	12.18
		106.5	542.5	17.80	512.7	15.96	486.0	13.87	475.6	13.15	453.0	12.18	432.2	11.74
	158	133.2	542.5	16.88	512.7	15.96	486.0	13.58	475.6	13.15	453.0	12.18	432.2	11.74
		159.9	542.5	16.42	512.7	15.96	486.0	13.44	475.6	13.15	453.0	12.18	432.2	11.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA

ARWM432DAS5

432,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	42.6	184.4	27.71	178.7	25.23	173.5	22.16	172.2	21.12	170.8	20.36	167.9	18.27
		53.4	190.8	28.19	184.9	25.71	179.5	22.66	178.1	21.59	176.8	20.81	173.6	18.68
		106.5	216.1	30.08	209.3	27.60	203.0	24.60	201.6	23.43	200.3	22.61	196.2	20.28
		133.2	238.7	31.97	231.0	29.54	224.2	26.54	222.4	25.27	221.1	24.35	217.0	21.88
		159.9	250.1	32.92	242.0	30.52	234.9	27.51	232.9	26.20	231.6	25.23	227.5	22.69
	32	42.6	329.9	37.74	314.6	35.41	300.2	32.51	295.8	31.01	290.8	29.85	279.9	26.80
		53.4	331.8	37.84	316.5	35.51	302.0	32.60	297.5	31.10	292.5	29.93	281.7	26.88
		106.5	339.5	38.23	323.7	35.90	309.2	32.94	304.3	31.44	299.3	30.27	288.4	27.17
		133.2	344.5	38.23	328.7	35.90	314.2	32.94	308.8	31.44	304.3	30.27	293.0	27.17
		159.9	347.0	38.23	331.2	35.90	316.7	32.94	311.1	31.44	306.8	30.27	295.2	27.17
	41	42.6	466.1	40.52	451.1	38.24	436.7	35.39	427.7	33.74	408.7	32.48	389.3	29.15
		53.4	466.6	40.70	450.7	38.42	436.7	35.56	427.7	33.91	408.7	32.65	389.3	29.30
		106.5	468.4	41.43	449.4	39.15	436.7	36.24	427.7	34.59	408.7	33.33	389.3	29.88
		133.2	471.1	41.67	450.7	39.39	436.7	36.53	427.7	34.83	408.7	33.57	389.3	30.13
		159.9	472.4	41.79	451.4	39.51	436.7	36.68	427.7	34.95	408.7	33.69	389.3	30.25
	50	42.6	468.6	35.78	452.7	34.02	436.7	32.03	427.7	30.72	408.7	29.47	389.3	26.56
		53.4	468.4	35.80	452.1	34.06	436.7	32.07	427.7	30.76	408.7	29.45	389.3	26.58
		106.5	467.5	35.90	449.8	34.20	436.7	32.21	427.7	30.90	408.7	29.35	389.3	26.68
		133.2	470.6	35.80	451.2	34.10	436.7	32.11	427.7	30.81	408.7	29.45	389.3	26.78
		159.9	472.2	35.75	451.9	34.06	436.7	32.07	427.7	30.76	408.7	29.50	389.3	26.83
	59	42.6	471.0	30.98	454.2	29.86	436.7	28.74	427.7	27.76	408.7	26.48	389.3	24.04
		53.4	470.2	30.85	453.4	29.74	436.7	28.62	427.7	27.65	408.7	26.25	389.3	23.92
		106.5	467.0	30.37	450.3	29.25	436.7	28.14	427.7	27.22	408.7	25.32	389.3	23.43
		133.2	470.2	29.93	451.6	28.82	436.7	27.65	427.7	26.73	408.7	25.32	389.3	23.43
		159.9	471.8	29.71	452.3	28.60	436.7	27.41	427.7	26.49	408.7	25.32	389.3	23.43
	68	42.6	473.8	26.15	456.2	25.40	436.7	24.52	427.7	23.54	408.7	22.74	389.3	21.34
		53.4	473.3	26.15	455.3	25.32	436.7	24.40	427.7	23.43	408.7	22.51	389.3	21.10
		106.5	471.5	26.15	451.6	25.03	436.7	23.92	427.7	22.99	408.7	21.59	389.3	20.18
		133.2	472.9	25.71	453.0	24.84	436.7	23.92	427.7	22.99	408.7	21.59	389.3	20.18
		159.9	473.6	25.49	453.7	24.74	436.7	23.92	427.7	22.99	408.7	21.59	389.3	20.18
	77	42.6	481.7	22.85	462.0	21.64	436.7	20.73	427.7	19.70	408.7	18.90	389.3	17.49
		53.4	482.8	22.80	462.0	21.59	436.7	20.62	427.7	19.70	408.7	18.77	389.3	17.37
		106.5	487.4	22.61	462.0	21.39	436.7	20.18	427.7	19.70	408.7	18.29	389.3	16.88
		133.2	489.2	22.02	462.0	20.91	436.7	20.18	427.7	19.21	408.7	18.29	389.3	16.88
		159.9	490.1	21.73	462.0	20.66	436.7	20.18	427.7	18.97	408.7	18.29	389.3	16.88
	86	42.6	489.2	20.73	462.0	19.32	436.7	17.91	427.7	17.49	408.7	16.51	389.3	14.99
		53.4	489.2	20.62	462.0	19.21	436.7	17.80	427.7	17.37	408.7	16.40	389.3	14.99
		106.5	489.2	20.18	462.0	18.77	436.7	17.37	427.7	16.88	408.7	15.96	389.3	14.99
		133.2	489.2	19.70	462.0	18.29	436.7	17.37	427.7	16.88	408.7	15.96	389.3	14.55
		159.9	489.2	19.45	462.0	18.04	436.7	17.37	427.7	16.88	408.7	15.96	389.3	14.33
	95	42.6	489.2	18.90	462.0	17.49	436.7	16.08	427.7	15.60	408.7	14.68	389.3	13.69
		53.4	489.2	18.77	462.0	17.37	436.7	15.96	427.7	15.48	408.7	14.55	389.3	13.58
		106.5	489.2	18.29	462.0	16.88	436.7	15.48	427.7	14.99	408.7	14.07	389.3	13.15
		133.2	489.2	17.80	462.0	16.40	436.7	14.99	427.7	14.55	408.7	14.07	389.3	13.15
		159.9	489.2	17.56	462.0	16.15	436.7	14.75	427.7	14.33	408.7	14.07	389.3	13.15
	104	42.6	489.2	17.61	462.0	16.08	436.7	14.19	427.7	13.69	408.7	13.27	389.3	12.29
		53.4	489.2	17.37	462.0	15.96	436.7	14.07	427.7	13.58	408.7	13.15	389.3	12.18
		106.5	489.2	16.40	462.0	15.48	436.7	13.58	427.7	13.15	408.7	12.66	389.3	11.74
		133.2	489.2	16.40	462.0	15.48	436.7	13.58	427.7	13.15	408.7	12.66	389.3	11.74
		159.9	489.2	16.40	462.0	15.48	436.7	13.58	427.7	13.15	408.7	12.66	389.3	11.74
	113	42.6	489.2	16.32	462.0	14.68	436.7	12.29	427.7	11.86	408.7	11.86	389.3	10.88
		53.4	489.2	15.96	462.0	14.55	436.7	12.18	427.7	11.74	408.7	11.74	389.3	10.77
		106.5	489.2	14.55	462.0	14.07	436.7	11.74	427.7	11.25	408.7	11.25	389.3	10.33
		133.2	489.2	14.99	462.0	14.55	436.7	12.18	427.7	11.74	408.7	11.25	389.3	10.33
		159.9	489.2	15.21	462.0	14.80	436.7	12.40	427.7	11.98	408.7	11.25	389.3	10.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	42.6	174.4	19.74	163.5	18.99	154.8	18.19	153.0	17.57	152.1	16.76	149.0	15.44
		53.4	180.4	20.18	169.1	19.40	160.0	18.58	158.2	17.95	157.3	17.12	154.2	15.77
		106.5	203.9	21.93	191.2	21.05	180.8	20.13	179.0	19.45	178.1	18.58	174.5	17.08
		133.2	225.6	23.63	211.1	22.70	199.8	21.73	197.6	21.01	196.7	20.04	192.6	18.43
		159.9	236.5	24.48	221.2	23.53	209.4	22.54	206.9	21.79	206.0	20.77	201.7	19.12
	32	42.6	311.4	28.97	287.2	27.81	267.4	26.66	262.4	25.73	258.8	24.52	249.0	22.59
		53.4	313.3	29.06	288.9	27.89	269.0	26.73	264.0	25.81	260.4	24.60	250.5	22.66
		106.5	321.0	29.40	295.7	28.23	275.3	27.02	270.4	26.10	266.7	24.89	256.3	22.90
		133.2	325.5	29.40	300.2	28.23	279.8	27.02	274.4	26.10	270.8	24.89	260.4	22.90
		159.9	327.8	29.40	302.5	28.23	282.1	27.02	276.5	26.10	272.9	24.89	262.5	22.90
	41	42.6	430.8	31.51	406.5	30.32	388.7	28.95	380.2	27.99	363.9	26.69	345.9	24.56
		53.4	431.7	31.68	407.3	30.47	388.8	29.11	380.2	28.14	363.9	26.83	345.9	24.69
		106.5	435.4	32.36	410.5	31.05	389.3	29.74	380.2	28.72	363.9	27.36	345.9	25.23
		133.2	435.4	32.55	410.0	31.29	389.3	29.93	380.2	28.91	363.9	27.55	345.9	25.37
		159.9	435.4	32.65	409.8	31.41	389.3	30.03	380.2	29.01	363.9	27.65	345.9	25.45
	50	42.6	433.1	29.00	408.2	27.69	388.7	26.28	380.2	25.55	363.9	24.20	345.9	22.40
		53.4	433.6	28.96	408.7	27.65	388.8	26.29	380.2	25.57	363.9	24.21	345.9	22.41
		106.5	435.4	28.82	410.5	27.51	389.3	26.34	380.2	25.61	363.9	24.26	345.9	22.46
		133.2	435.4	28.72	410.0	27.60	389.3	26.44	380.2	25.47	363.9	24.11	345.9	22.32
		159.9	435.4	28.67	409.8	27.65	389.3	26.49	380.2	25.40	363.9	24.04	345.9	22.24
	59	42.6	435.4	26.48	410.0	25.07	389.3	23.54	380.2	23.12	363.9	21.71	345.9	20.30
		53.4	435.4	26.25	410.0	24.84	389.3	23.43	380.2	22.99	363.9	21.59	345.9	20.18
		106.5	435.4	25.32	410.0	23.92	389.3	22.99	380.2	22.51	363.9	21.10	345.9	19.70
		133.2	435.4	24.84	410.0	23.92	389.3	22.99	380.2	22.02	363.9	20.62	345.9	19.21
		159.9	435.4	24.59	410.0	23.92	389.3	22.99	380.2	21.78	363.9	20.37	345.9	18.97
	68	42.6	435.4	22.13	410.0	21.23	389.3	20.18	380.2	19.82	363.9	18.90	345.9	17.49
		53.4	435.4	22.02	410.0	21.10	389.3	20.18	380.2	19.70	363.9	18.77	345.9	17.37
		106.5	435.4	21.59	410.0	20.62	389.3	20.18	380.2	19.21	363.9	18.29	345.9	16.88
		133.2	435.4	21.10	410.0	20.18	389.3	19.70	380.2	19.21	363.9	17.80	345.9	16.88
		159.9	435.4	20.86	410.0	19.96	389.3	19.45	380.2	19.21	363.9	17.56	345.9	16.88
	77	42.6	435.4	19.82	410.0	18.41	389.3	17.37	380.2	17.00	363.9	16.08	345.9	15.10
		53.4	435.4	19.70	410.0	18.29	389.3	17.37	380.2	16.88	363.9	15.96	345.9	14.99
		106.5	435.4	19.21	410.0	17.80	389.3	17.37	380.2	16.40	363.9	15.48	345.9	14.55
		133.2	435.4	18.77	410.0	17.80	389.3	16.88	380.2	16.40	363.9	15.48	345.9	14.55
		159.9	435.4	18.55	410.0	17.80	389.3	16.64	380.2	16.40	363.9	15.48	345.9	14.55
	86	42.6	435.4	17.49	410.0	16.51	389.3	15.60	380.2	15.10	363.9	14.19	345.9	13.27
		53.4	435.4	17.37	410.0	16.40	389.3	15.48	380.2	14.99	363.9	14.07	345.9	13.15
		106.5	435.4	16.88	410.0	15.96	389.3	14.99	380.2	14.55	363.9	13.58	345.9	12.66
		133.2	435.4	16.88	410.0	15.96	389.3	14.99	380.2	14.55	363.9	13.58	345.9	12.66
		159.9	435.4	16.88	410.0	15.96	389.3	14.99	380.2	14.55	363.9	13.58	345.9	12.66
	95	42.6	435.4	16.08	410.0	15.10	389.3	13.69	380.2	13.15	363.9	12.78	345.9	11.74
		53.4	435.4	15.96	410.0	14.99	389.3	13.58	380.2	13.15	363.9	12.66	345.9	11.74
		106.5	435.4	15.48	410.0	14.55	389.3	13.15	380.2	13.15	363.9	12.18	345.9	11.74
		133.2	435.4	15.48	410.0	14.07	389.3	13.15	380.2	12.66	363.9	12.18	345.9	11.25
		159.9	435.4	15.48	410.0	13.82	389.3	13.15	380.2	12.42	363.9	12.18	345.9	11.01
	104	42.6	435.4	15.22	410.0	13.69	389.3	12.18	380.2	12.29	363.9	11.25	345.9	10.88
		53.4	435.4	14.99	410.0	13.58	389.3	12.18	380.2	12.18	363.9	11.25	345.9	10.77
		106.5	435.4	14.07	410.0	13.15	389.3	12.18	380.2	11.74	363.9	11.25	345.9	10.33
		133.2	435.4	14.07	410.0	13.15	389.3	11.74	380.2	11.74	363.9	11.25	345.9	10.33
		159.9	435.4	14.07	410.0	13.15	389.3	11.52	380.2	11.74	363.9	11.25	345.9	10.33
	113	42.6	435.4	14.42	410.0	12.29	389.3	10.65	380.2	11.49	363.9	9.73	345.9	10.08
		53.4	435.4	14.07	410.0	12.18	389.3	10.77	380.2	11.25	363.9	9.85	345.9	9.85
		106.5	435.4	12.66	410.0	11.74	389.3	11.25	380.2	10.33	363.9	10.33	345.9	8.93
		133.2	435.4	12.66	410.0	12.18	389.3	10.33	380.2	10.77	363.9	10.33	345.9	9.36
		159.9	435.4	12.66	410.0	12.40	389.3	9.87	380.2	10.99	363.9	10.33	345.9	9.58

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM432DAS5

432,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	42.6	152.1	16.95	142.9	16.14	135.1	15.62	133.8	14.72	132.9	14.20	130.7	12.91
		53.4	157.3	17.32	147.8	16.49	139.7	15.96	138.3	15.04	137.4	14.51	135.2	13.20
		106.5	178.1	18.77	167.3	17.90	157.8	17.32	156.4	16.30	155.5	15.72	152.8	14.31
		133.2	197.1	20.28	184.9	19.31	174.5	18.68	173.2	17.56	171.8	16.98	168.6	15.43
	32	159.9	206.7	21.04	193.8	20.02	182.9	19.36	181.6	18.20	180.0	17.61	176.6	15.99
		42.6	272.4	24.81	251.7	23.66	233.7	22.87	229.6	21.53	226.0	20.80	218.0	18.92
		53.4	274.0	24.89	253.2	23.72	235.1	22.95	231.0	21.59	227.4	20.86	219.3	18.97
		106.5	280.3	25.18	259.0	23.96	240.5	23.24	236.4	21.83	232.8	21.10	224.2	19.16
		133.2	284.4	25.18	263.1	23.96	244.1	23.24	240.1	21.83	236.4	21.10	227.9	19.16
	41	159.9	286.4	25.18	265.2	23.96	246.0	23.24	241.9	21.83	238.3	21.10	229.7	19.16
		42.6	376.2	27.03	356.5	25.72	339.4	24.90	332.3	23.47	317.4	22.63	302.5	20.56
		53.4	377.0	27.17	357.2	25.86	339.5	25.03	332.3	23.58	317.4	22.75	302.5	20.67
		106.5	380.2	27.70	359.9	26.39	340.0	25.57	332.3	24.01	317.4	23.24	302.5	21.10
	50	133.2	380.2	27.89	359.4	26.58	340.0	25.76	332.3	24.21	317.4	23.38	302.5	21.25
		159.9	380.2	27.99	359.2	26.68	340.0	25.86	332.3	24.31	317.4	23.46	302.5	21.32
		42.6	377.9	24.89	357.7	23.53	340.0	22.66	332.3	21.39	317.4	20.52	302.5	18.77
		53.4	378.4	24.84	358.1	23.48	340.0	22.61	332.3	21.39	317.4	20.52	302.5	18.77
	59	106.5	380.2	24.64	359.4	23.29	340.0	22.41	332.3	21.39	317.4	20.52	302.5	18.77
		133.2	380.2	24.74	359.4	23.38	340.0	22.51	332.3	21.49	317.4	20.38	302.5	18.82
		159.9	380.2	24.79	359.4	23.43	340.0	22.56	332.3	21.54	317.4	20.30	302.5	18.85
	68	42.6	380.2	22.74	359.4	21.34	340.0	20.43	332.3	19.32	317.4	18.41	302.5	17.00
		53.4	380.2	22.51	359.4	21.10	340.0	20.18	332.3	19.21	317.4	18.29	302.5	16.88
		106.5	380.2	21.59	359.4	20.18	340.0	19.21	332.3	18.77	317.4	17.80	302.5	16.40
		133.2	380.2	21.59	359.4	20.18	340.0	19.21	332.3	18.77	317.4	17.37	302.5	16.40
	77	159.9	380.2	21.59	359.4	20.18	340.0	19.21	332.3	18.77	317.4	17.15	302.5	16.40
		42.6	380.2	18.90	359.4	17.91	340.0	17.49	332.3	17.00	317.4	16.08	302.5	15.10
		53.4	380.2	18.77	359.4	17.80	340.0	17.37	332.3	16.88	317.4	15.96	302.5	14.99
		106.5	380.2	18.29	359.4	17.37	340.0	16.88	332.3	16.40	317.4	15.48	302.5	14.55
	86	133.2	380.2	18.29	359.4	17.37	340.0	16.88	332.3	15.96	317.4	15.48	302.5	14.07
		159.9	380.2	18.29	359.4	17.37	340.0	16.88	332.3	15.74	317.4	15.48	302.5	13.82
	95	42.6	380.2	17.00	359.4	16.08	340.0	15.10	332.3	14.68	317.4	13.58	302.5	12.66
		53.4	380.2	16.88	359.4	15.96	340.0	14.99	332.3	14.55	317.4	13.58	302.5	12.66
		106.5	380.2	16.40	359.4	15.48	340.0	14.55	332.3	14.07	317.4	13.58	302.5	12.66
		133.2	380.2	15.96	359.4	14.99	340.0	14.55	332.3	14.07	317.4	13.15	302.5	12.66
	104	159.9	380.2	15.74	359.4	14.75	340.0	14.55	332.3	14.07	317.4	12.93	302.5	12.66
		42.6	380.2	15.10	359.4	14.19	340.0	13.27	332.3	12.66	317.4	12.29	302.5	11.25
		53.4	380.2	14.99	359.4	14.07	340.0	13.15	332.3	12.66	317.4	12.18	302.5	11.25
		106.5	380.2	14.55	359.4	13.58	340.0	12.66	332.3	12.66	317.4	11.74	302.5	11.25
	113	133.2	380.2	14.55	359.4	13.58	340.0	12.66	332.3	12.18	317.4	11.74	302.5	11.25
		159.9	380.2	14.55	359.4	13.58	340.0	12.66	332.3	11.93	317.4	11.74	302.5	11.25
	113	42.6	380.2	13.69	359.4	12.78	340.0	11.74	332.3	11.86	317.4	10.77	302.5	10.46
		53.4	380.2	13.58	359.4	12.66	340.0	11.74	332.3	11.74	317.4	10.77	302.5	10.33
		106.5	380.2	13.15	359.4	12.18	340.0	11.74	332.3	11.25	317.4	10.77	302.5	9.85
		133.2	380.2	13.15	359.4	12.18	340.0	11.25	332.3	11.25	317.4	10.77	302.5	9.85
	113	159.9	380.2	13.15	359.4	12.18	340.0	11.01	332.3	11.25	317.4	10.77	302.5	9.85
		42.6	380.2	12.78	359.4	11.86	340.0	10.88	332.3	10.33	317.4	9.85	302.5	9.47
		53.4	380.2	12.66	359.4	11.74	340.0	10.77	332.3	10.33	317.4	9.85	302.5	9.36
		106.5	380.2	12.18	359.4	11.25	340.0	10.33	332.3	10.33	317.4	9.85	302.5	8.93
	113	133.2	380.2	12.18	359.4	11.25	340.0	10.33	332.3	9.85	317.4	9.36	302.5	8.93
		159.9	380.2	12.18	359.4	11.25	340.0	10.33	332.3	9.60	317.4	9.12	302.5	8.93
	113	42.6	380.2	11.86	359.4	10.88	340.0	10.08	332.3	8.82	317.4	8.93	302.5	8.56
		53.4	380.2	11.74	359.4	10.77	340.0	9.85	332.3	8.93	317.4	8.93	302.5	8.44
		106.5	380.2	11.25	359.4	10.33	340.0	8.93	332.3	8.93	317.4	8.93	302.5	7.96
		133.2	380.2	11.25	359.4	10.33	340.0	9.36	332.3	8.44	317.4	7.96	302.5	7.96
	113	159.9	380.2	11.25	359.4	10.33	340.0	9.58	332.3	7.98	317.4	7.47	302.5	7.96

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	42.6	130.6	13.76	122.4	13.24	115.8	12.72	114.5	11.82	114.0	11.63	111.9	10.39
		53.4	135.2	14.07	126.6	13.53	119.8	13.00	118.4	12.08	118.0	11.89	115.7	10.62
		106.5	153.3	15.28	143.3	14.70	135.6	14.12	134.3	13.10	133.8	12.90	131.1	11.55
		133.2	169.1	16.45	158.2	15.86	150.1	15.23	148.3	14.17	147.8	13.92	144.7	12.42
		159.9	177.1	17.03	165.8	16.45	157.4	15.80	155.3	14.70	154.9	14.44	151.5	12.86
	32	42.6	233.7	20.17	215.3	19.45	200.8	18.62	196.9	17.32	194.2	17.08	187.0	15.24
		53.4	235.1	20.23	216.6	19.50	202.1	18.68	198.0	17.37	195.3	17.12	188.1	15.28
		106.5	240.5	20.47	221.5	19.70	207.1	18.92	202.5	17.56	199.8	17.32	192.1	15.43
		133.2	244.1	20.47	225.1	19.70	210.2	18.92	205.7	17.56	203.0	17.32	195.3	15.43
		159.9	246.0	20.47	227.0	19.70	211.8	18.92	207.3	17.56	204.6	17.32	196.9	15.43
	41	42.6	323.0	21.96	304.6	21.14	292.1	20.26	284.8	18.87	272.6	18.58	259.5	16.55
		53.4	323.7	22.07	305.2	21.25	292.1	20.38	284.8	18.97	272.6	18.68	259.5	16.64
		106.5	326.4	22.51	307.4	21.68	292.1	20.81	284.8	19.36	272.6	19.07	259.5	16.98
		133.2	326.4	22.70	307.0	21.83	292.1	20.96	284.8	19.50	272.6	19.16	259.5	17.12
		159.9	326.4	22.80	306.7	21.90	292.1	21.03	284.8	19.58	272.6	19.21	259.5	17.20
	50	42.6	324.7	20.18	305.7	19.31	292.1	18.39	284.8	17.17	272.6	16.85	259.5	15.10
		53.4	325.1	20.18	306.1	19.31	292.1	18.39	284.8	17.22	272.6	16.83	259.5	15.14
		106.5	326.4	20.18	307.4	19.31	292.1	18.39	284.8	17.42	272.6	16.79	259.5	15.28
		133.2	326.4	20.23	307.0	19.11	292.1	18.19	284.8	17.22	272.6	16.64	259.5	15.14
		159.9	326.4	20.25	306.7	19.02	292.1	18.09	284.8	17.12	272.6	16.57	259.5	15.06
	59	42.6	326.4	18.41	307.0	17.49	292.1	16.51	284.8	15.48	272.6	15.10	259.5	13.58
		53.4	326.4	18.29	307.0	17.37	292.1	16.40	284.8	15.48	272.6	14.99	259.5	13.58
		106.5	326.4	17.80	307.0	16.88	292.1	15.96	284.8	15.48	272.6	14.55	259.5	13.58
		133.2	326.4	17.80	307.0	16.40	292.1	15.48	284.8	14.99	272.6	14.07	259.5	13.15
		159.9	326.4	17.80	307.0	16.15	292.1	15.23	284.8	14.75	272.6	13.82	259.5	12.93
	68	42.6	326.4	16.08	307.0	15.10	292.1	14.19	284.8	13.69	272.6	13.27	259.5	12.29
		53.4	326.4	15.96	307.0	14.99	292.1	14.07	284.8	13.58	272.6	13.15	259.5	12.18
		106.5	326.4	15.48	307.0	14.55	292.1	13.58	284.8	13.15	272.6	12.66	259.5	11.74
		133.2	326.4	15.48	307.0	14.55	292.1	13.58	284.8	13.15	272.6	12.66	259.5	11.74
		159.9	326.4	15.48	307.0	14.55	292.1	13.58	284.8	13.15	272.6	12.66	259.5	11.74
	77	42.6	326.4	14.19	307.0	13.27	292.1	12.18	284.8	12.29	272.6	11.25	259.5	10.88
		53.4	326.4	14.07	307.0	13.15	292.1	12.18	284.8	12.18	272.6	11.25	259.5	10.77
		106.5	326.4	13.58	307.0	12.66	292.1	12.18	284.8	11.74	272.6	11.25	259.5	10.33
		133.2	326.4	13.58	307.0	12.66	292.1	11.74	284.8	11.74	272.6	11.25	259.5	10.33
		159.9	326.4	13.58	307.0	12.66	292.1	11.52	284.8	11.74	272.6	11.25	259.5	10.33
	86	42.6	326.4	12.78	307.0	11.86	292.1	11.38	284.8	10.88	272.6	10.46	259.5	9.97
		53.4	326.4	12.66	307.0	11.74	292.1	11.25	284.8	10.77	272.6	10.33	259.5	9.85
		106.5	326.4	12.18	307.0	11.25	292.1	10.77	284.8	10.33	272.6	9.85	259.5	9.36
		133.2	326.4	12.18	307.0	11.25	292.1	10.77	284.8	10.33	272.6	9.85	259.5	9.36
		159.9	326.4	12.18	307.0	11.25	292.1	10.77	284.8	10.33	272.6	9.85	259.5	9.36
	95	42.6	326.4	11.25	307.0	10.88	292.1	9.85	284.8	9.97	272.6	9.47	259.5	9.05
		53.4	326.4	11.25	307.0	10.77	292.1	9.85	284.8	9.85	272.6	9.36	259.5	8.93
		106.5	326.4	11.25	307.0	10.33	292.1	9.85	284.8	9.36	272.6	8.93	259.5	8.44
		133.2	326.4	11.25	307.0	10.33	292.1	9.36	284.8	9.36	272.6	8.93	259.5	8.44
		159.9	326.4	11.25	307.0	10.33	292.1	9.12	284.8	9.36	272.6	8.93	259.5	8.44
	104	42.6	326.4	10.33	307.0	9.97	292.1	8.93	284.8	9.05	272.6	8.56	259.5	7.96
		53.4	326.4	10.33	307.0	9.85	292.1	8.93	284.8	8.93	272.6	8.44	259.5	7.96
		106.5	326.4	10.33	307.0	9.36	292.1	8.93	284.8	8.44	272.6	7.96	259.5	7.96
		133.2	326.4	10.33	307.0	9.36	292.1	8.93	284.8	8.44	272.6	7.96	259.5	7.96
		159.9	326.4	10.33	307.0	9.36	292.1	8.93	284.8	8.44	272.6	7.96	259.5	7.96
	113	42.6	326.4	9.36	307.0	9.05	292.1	7.96	284.8	8.07	272.6	7.64	259.5	6.91
		53.4	326.4	9.36	307.0	8.93	292.1	7.96	284.8	7.96	272.6	7.52	259.5	7.03
		106.5	326.4	9.36	307.0	8.44	292.1	7.96	284.8	7.52	272.6	7.03	259.5	7.52
		133.2	326.4	9.36	307.0	8.44	292.1	8.44	284.8	7.52	272.6	7.03	259.5	7.52
		159.9	326.4	9.36	307.0	8.44	292.1	8.69	284.8	7.52	272.6	7.03	259.5	7.52

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM432DAS5

432,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	42.6	108.9	10.97	102.4	10.39	96.6	9.83	95.2	9.30	94.8	8.73	93.1	8.27
		53.4	112.6	11.21	105.8	10.62	99.9	10.04	98.6	9.51	98.1	8.93	96.3	8.44
		106.5	127.0	12.13	119.4	11.55	113.0	10.87	111.7	10.33	111.2	9.70	109.0	9.12
		133.2	140.6	13.10	132.0	12.42	124.8	11.74	123.4	11.16	122.5	10.43	120.7	9.85
		159.9	147.4	13.59	138.4	12.86	130.7	12.18	129.3	11.57	128.2	10.80	126.6	10.21
	32	42.6	194.2	16.07	179.8	15.24	167.2	14.36	163.5	13.63	161.3	12.82	155.5	12.09
		53.4	195.3	16.11	180.8	15.28	168.2	14.41	164.6	13.68	162.3	12.86	156.4	12.13
		106.5	199.8	16.25	184.9	15.43	172.2	14.60	168.6	13.87	166.4	13.00	160.0	12.27
		133.2	203.0	16.25	187.6	15.43	174.5	14.60	171.3	13.87	168.6	13.00	162.8	12.27
		159.9	204.6	16.25	189.0	15.43	175.6	14.60	172.7	13.87	169.8	13.00	164.1	12.27
	41	42.6	268.4	17.48	254.5	16.55	242.7	15.63	236.9	14.87	226.5	13.96	216.1	13.12
		53.4	269.0	17.56	255.0	16.64	242.8	15.72	236.9	14.94	226.5	14.02	216.1	13.20
		106.5	271.3	17.90	256.8	16.98	243.2	16.06	236.9	15.23	226.5	14.26	216.1	13.49
		133.2	271.3	18.05	256.3	17.12	243.2	16.15	236.9	15.33	226.5	14.41	216.1	13.58
		159.9	271.3	18.12	256.1	17.20	243.2	16.20	236.9	15.38	226.5	14.48	216.1	13.63
	50	42.6	270.1	16.08	255.1	15.15	242.7	14.24	236.9	13.61	226.5	12.58	216.1	12.01
		53.4	270.4	16.06	255.4	15.14	242.8	14.21	236.9	13.58	226.5	12.61	216.1	11.98
		106.5	271.3	15.96	256.8	15.09	243.2	14.12	236.9	13.49	226.5	12.76	216.1	11.89
		133.2	271.3	16.06	256.3	15.14	243.2	14.17	236.9	13.53	226.5	12.56	216.1	11.93
		159.9	271.3	16.11	256.1	15.16	243.2	14.19	236.9	13.56	226.5	12.47	216.1	11.96
	59	42.6	271.3	14.68	256.3	13.69	243.2	12.78	236.9	12.29	226.5	11.25	216.1	10.88
		53.4	271.3	14.55	256.3	13.58	243.2	12.66	236.9	12.18	226.5	11.25	216.1	10.77
		106.5	271.3	14.07	256.3	13.15	243.2	12.18	236.9	11.74	226.5	11.25	216.1	10.33
		133.2	271.3	14.07	256.3	13.15	243.2	12.18	236.9	11.74	226.5	10.77	216.1	10.33
		159.9	271.3	14.07	256.3	13.15	243.2	12.18	236.9	11.74	226.5	10.53	216.1	10.33
	68	42.6	271.3	12.78	256.3	11.86	243.2	11.38	236.9	10.88	226.5	10.46	216.1	9.36
		53.4	271.3	12.66	256.3	11.74	243.2	11.25	236.9	10.77	226.5	10.33	216.1	9.36
		106.5	271.3	12.18	256.3	11.25	243.2	10.77	236.9	10.33	226.5	9.85	216.1	9.36
		133.2	271.3	12.18	256.3	11.25	243.2	10.77	236.9	10.33	226.5	9.85	216.1	9.36
		159.9	271.3	12.18	256.3	11.25	243.2	10.77	236.9	10.33	226.5	9.85	216.1	9.36
	77	42.6	271.3	11.38	256.3	10.33	243.2	9.97	236.9	9.36	226.5	8.93	216.1	8.44
		53.4	271.3	11.25	256.3	10.33	243.2	9.85	236.9	9.36	226.5	8.93	216.1	8.44
		106.5	271.3	10.77	256.3	10.33	243.2	9.36	236.9	9.36	226.5	8.93	216.1	8.44
		133.2	271.3	10.77	256.3	10.33	243.2	9.36	236.9	9.36	226.5	8.93	216.1	8.44
		159.9	271.3	10.77	256.3	10.33	243.2	9.36	236.9	9.36	226.5	8.93	216.1	8.44
	86	42.6	271.3	10.46	256.3	9.47	243.2	9.05	236.9	8.44	226.5	8.56	216.1	8.07
		53.4	271.3	10.33	256.3	9.36	243.2	8.93	236.9	8.44	226.5	8.44	216.1	7.96
		106.5	271.3	9.85	256.3	8.93	243.2	8.44	236.9	8.44	226.5	7.96	216.1	7.52
		133.2	271.3	9.85	256.3	8.93	243.2	8.44	236.9	8.44	226.5	7.96	216.1	7.52
		159.9	271.3	9.85	256.3	8.93	243.2	8.44	236.9	8.44	226.5	7.96	216.1	7.52
	95	42.6	271.3	9.47	256.3	8.44	243.2	7.96	236.9	8.07	226.5	7.52	216.1	7.03
		53.4	271.3	9.36	256.3	8.44	243.2	7.96	236.9	7.96	226.5	7.52	216.1	7.03
		106.5	271.3	8.93	256.3	8.44	243.2	7.96	236.9	7.52	226.5	7.52	216.1	7.03
		133.2	271.3	8.93	256.3	8.44	243.2	7.96	236.9	7.52	226.5	7.52	216.1	7.03
		159.9	271.3	8.93	256.3	8.44	243.2	7.96	236.9	7.52	226.5	7.52	216.1	7.03
	104	42.6	271.3	8.56	256.3	8.07	243.2	7.64	236.9	7.03	226.5	7.16	216.1	6.55
		53.4	271.3	8.44	256.3	7.96	243.2	7.52	236.9	7.03	226.5	7.03	216.1	6.55
		106.5	271.3	7.96	256.3	7.52	243.2	7.03	236.9	7.03	226.5	6.55	216.1	6.55
		133.2	271.3	7.96	256.3	7.52	243.2	7.03	236.9	7.03	226.5	6.55	216.1	6.55
		159.9	271.3	7.96	256.3	7.52	243.2	7.03	236.9	7.03	226.5	6.55	216.1	6.55
	113	42.6	271.3	7.64	256.3	7.76	243.2	7.27	236.9	6.00	226.5	6.78	216.1	6.11
		53.4	271.3	7.52	256.3	7.52	243.2	7.03	236.9	6.11	226.5	6.55	216.1	6.11
		106.5	271.3	7.03	256.3	6.55	243.2	6.11	236.9	6.55	226.5	5.63	216.1	6.11
		133.2	271.3	7.03	256.3	6.55	243.2	6.11	236.9	6.55	226.5	5.63	216.1	6.11
		159.9	271.3	7.03	256.3	6.55	243.2	6.11	236.9	6.55	226.5	5.63	216.1	6.11

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	52.8	268.2	37.10	266.3	34.93	264.7	32.52	261.1	31.56	264.2	30.73	256.9	27.56
		66.1	277.4	37.75	275.3	35.61	273.7	33.23	270.1	32.25	273.2	31.40	265.8	28.16
		131.9	313.8	40.31	311.2	38.30	309.6	36.04	305.4	35.00	309.1	34.02	301.2	30.54
		150.5	333.0	41.79	330.1	39.82	328.2	37.66	324.0	36.63	328.0	35.57	319.5	31.92
		174.9	363.8	44.17	360.4	42.25	358.0	40.26	353.8	39.23	358.3	38.06	348.8	34.12
	32	52.8	479.2	50.74	468.3	49.23	458.3	47.63	448.3	46.28	449.9	45.02	429.3	40.31
		66.1	482.1	50.88	471.0	49.35	461.0	47.77	451.0	46.42	452.5	45.14	432.0	40.44
		131.9	493.7	51.43	481.6	49.84	471.5	48.32	461.5	46.97	463.1	45.63	442.5	40.92
		150.5	498.0	51.43	485.9	49.84	475.8	48.32	465.5	46.97	467.1	45.63	446.2	40.92
		174.9	504.8	51.43	492.7	49.84	482.6	48.32	471.8	46.97	473.4	45.63	452.0	40.92
	41	52.8	690.1	54.54	679.7	53.20	665.5	51.84	648.8	50.37	631.3	48.98	596.5	43.87
		66.1	692.5	54.79	680.9	53.45	665.6	52.10	648.8	50.64	631.3	49.23	596.5	44.10
		131.9	702.0	55.77	685.7	54.42	666.2	53.14	648.8	51.67	631.3	50.21	596.5	45.02
		150.5	704.5	55.98	686.9	54.63	666.2	53.35	648.8	51.89	631.3	50.42	596.5	45.20
		174.9	708.4	56.32	688.8	54.97	666.2	53.69	648.8	52.23	631.3	50.76	596.5	45.48
	50	52.8	691.0	49.63	679.8	47.96	663.5	47.06	646.1	46.01	628.9	44.44	594.1	40.10
		66.1	695.2	49.54	683.0	48.01	666.2	47.15	648.8	45.99	631.3	44.41	596.5	40.07
		131.9	711.5	49.17	695.7	48.19	676.7	47.52	659.3	45.93	640.8	44.28	606.0	39.95
		150.5	713.7	49.56	698.4	48.58	679.2	47.63	661.1	46.04	643.3	44.71	608.2	41.04
		174.9	717.1	50.18	702.8	49.20	683.1	47.80	664.1	46.21	647.2	45.39	611.6	42.79
	59	52.8	692.1	44.73	680.0	42.82	660.8	42.36	643.4	41.66	626.6	39.89	591.7	36.35
		66.1	697.8	44.28	685.1	42.63	666.2	42.27	648.8	41.35	631.3	39.58	596.5	36.04
		131.9	720.5	42.51	705.7	41.90	687.3	41.90	669.9	40.13	650.3	38.36	615.5	34.82
		150.5	722.6	43.11	709.7	42.47	692.1	41.90	673.9	40.13	655.5	38.99	619.8	36.86
		174.9	726.0	44.07	716.0	43.37	699.9	41.90	680.2	40.13	663.8	40.01	626.6	40.14
	68	52.8	718.4	41.03	705.3	39.12	686.7	38.27	667.7	37.04	648.3	36.22	609.8	35.11
		66.1	724.2	40.74	711.0	39.09	692.0	38.24	673.0	37.20	654.0	36.47	615.5	34.82
		131.9	746.9	39.58	733.7	38.97	713.1	38.11	694.1	37.81	676.7	37.44	638.2	33.66
		150.5	748.7	39.58	736.7	38.97	718.0	38.25	698.1	37.81	679.7	37.44	641.2	34.89
		174.9	751.6	39.58	741.6	38.97	725.8	38.48	704.4	37.81	684.6	37.44	646.1	36.87
	77	52.8	758.5	39.12	738.9	37.99	721.5	37.35	707.8	36.73	692.0	36.19	652.4	33.81
		66.1	758.5	38.97	738.9	37.93	721.5	37.20	707.8	36.59	692.0	36.04	652.4	33.66
		131.9	758.5	38.36	738.9	37.69	721.5	36.59	707.8	36.04	692.0	35.43	652.4	33.04
		150.5	758.5	38.04	738.9	37.12	721.5	36.27	707.8	35.69	692.0	35.08	652.4	32.72
		174.9	758.5	37.53	738.9	36.22	721.5	35.76	707.8	35.12	692.0	34.51	652.4	32.22
	86	52.8	758.5	38.12	738.9	36.22	721.5	35.89	707.8	34.96	692.0	34.58	652.4	32.18
		66.1	758.5	37.81	738.9	36.16	721.5	35.67	707.8	34.82	692.0	34.27	652.4	31.88
		131.9	758.5	36.59	738.9	35.92	721.5	34.82	707.8	34.27	692.0	33.04	652.4	30.72
		150.5	758.5	36.27	738.9	35.35	721.5	34.50	707.8	33.92	692.0	33.04	652.4	30.72
		174.9	758.5	35.76	738.9	34.45	721.5	33.99	707.8	33.35	692.0	33.04	652.4	30.72
	95	52.8	758.5	36.35	738.9	35.14	721.5	34.42	707.8	33.18	692.0	32.04	652.4	29.80
		66.1	758.5	36.04	738.9	34.94	721.5	34.27	707.8	33.04	692.0	31.88	652.4	29.50
		131.9	758.5	34.82	738.9	34.14	721.5	33.66	707.8	32.50	692.0	31.27	652.4	28.34
		150.5	758.5	34.82	738.9	33.93	721.5	33.31	707.8	32.15	692.0	30.95	652.4	28.34
		174.9	758.5	34.82	738.9	33.59	721.5	32.74	707.8	31.58	692.0	30.45	652.4	28.34
	104	52.8	758.5	35.11	738.9	33.99	721.5	33.34	707.8	32.18	692.0	31.03	652.4	28.02
		66.1	758.5	34.82	738.9	33.78	721.5	33.04	707.8	31.88	692.0	30.72	652.4	27.73
		131.9	758.5	33.66	738.9	32.92	721.5	31.88	707.8	30.72	692.0	29.50	652.4	26.57
		150.5	758.5	33.31	738.9	32.60	721.5	31.88	707.8	30.72	692.0	29.50	652.4	26.57
		174.9	758.5	32.74	738.9	32.10	721.5	31.88	707.8	30.72	692.0	29.50	652.4	26.57
	113	52.8	758.5	33.95	738.9	32.83	721.5	32.33	707.8	31.17	692.0	29.95	652.4	26.25
		66.1	758.5	33.66	738.9	32.62	721.5	31.88	707.8	30.72	692.0	29.50	652.4	25.96
		131.9	758.5	32.50	738.9	31.76	721.5	30.11	707.8	28.95	692.0	27.73	652.4	24.80
		150.5	758.5	31.79	738.9	31.30	721.5	30.46	707.8	29.27	692.0	28.08	652.4	24.80
		174.9	758.5	30.66	738.9	30.57	721.5	31.03	707.8	29.78	692.0	28.65	652.4	24.80

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM504DAS5

504,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	23	52.8	254.9	37.10	253.0	34.93	251.4	32.52	248.3	31.14	250.3	30.24	243.7	27.07
		66.1	263.7	37.75	261.6	35.61	260.0	33.23	256.9	31.82	259.0	30.91	252.1	27.67
		131.9	298.5	40.31	295.9	38.30	294.3	36.04	290.6	34.51	293.3	33.53	285.3	30.05
		150.5	316.5	41.79	313.9	39.82	312.0	37.66	308.3	36.10	311.0	35.05	302.4	31.39
	32	174.9	345.3	44.17	342.7	42.25	340.3	40.26	336.6	38.64	339.3	37.48	329.8	33.54
		52.8	455.7	50.74	444.6	49.23	435.1	47.63	426.3	45.61	426.3	44.34	406.8	39.64
		66.1	458.3	50.88	447.3	49.35	437.8	47.77	428.8	45.75	428.8	44.47	409.3	39.76
		131.9	468.9	51.43	457.8	49.84	448.3	48.32	438.8	46.30	438.8	44.96	419.3	40.25
		150.5	473.2	51.43	462.1	49.84	452.3	48.32	442.8	46.30	442.5	44.96	423.0	40.25
	41	174.9	480.0	51.43	468.9	49.84	458.6	48.32	449.1	46.30	448.4	44.96	428.8	40.25
		52.8	656.9	54.54	647.0	53.20	632.9	51.84	617.6	49.64	598.1	48.25	565.4	43.21
		66.1	659.3	54.79	648.2	53.45	632.9	52.10	617.6	49.90	598.1	48.50	565.4	43.43
		131.9	668.8	55.77	653.0	54.42	632.9	53.14	617.6	50.94	598.1	49.48	565.4	44.28
	50	150.5	670.9	55.98	650.8	54.63	632.9	53.35	617.6	51.15	598.1	49.69	565.4	44.46
		174.9	674.3	56.32	647.4	54.97	632.9	53.69	617.6	51.49	598.1	50.03	565.4	44.74
		52.8	659.4	49.00	647.1	47.64	631.2	46.68	615.9	45.26	596.5	43.76	564.0	39.35
		66.1	662.5	49.17	649.8	47.83	632.9	46.85	617.6	45.32	598.1	43.73	565.4	39.40
	59	131.9	674.6	49.84	660.4	48.56	639.8	47.52	624.5	45.57	604.4	43.61	571.2	39.58
		150.5	676.8	49.74	659.2	48.56	641.3	47.63	626.0	45.67	605.9	43.72	572.7	40.36
		174.9	680.2	49.57	657.2	48.56	643.8	47.80	628.5	45.84	608.4	43.89	575.2	41.60
		52.8	661.2	43.46	647.9	42.18	629.3	41.52	614.2	40.90	595.1	39.26	562.4	35.58
	68	66.1	665.1	43.55	651.9	42.27	632.9	41.60	617.6	40.74	598.1	38.97	565.4	35.43
		131.9	680.4	43.92	667.7	42.63	647.2	41.90	631.3	40.13	610.3	37.81	577.5	34.82
		150.5	682.6	43.53	667.4	42.42	650.2	41.90	634.4	40.13	613.3	37.81	580.6	36.20
		174.9	686.0	42.91	666.9	42.08	655.1	41.90	639.3	40.13	618.2	37.81	585.5	38.40
	77	52.8	679.7	39.09	666.9	37.43	646.7	36.43	628.9	35.90	608.5	35.46	575.7	33.66
		66.1	684.1	39.09	670.9	37.56	650.3	36.59	632.9	36.04	612.4	35.43	579.1	33.53
		131.9	701.5	39.09	686.7	38.11	664.6	37.20	648.8	36.59	627.7	35.30	592.8	33.04
		150.5	703.3	38.88	686.4	37.94	667.6	37.20	650.9	36.59	629.8	35.37	595.0	33.75
	86	174.9	706.3	38.54	685.9	37.66	672.5	37.20	654.3	36.59	633.2	35.49	598.4	34.88
		52.8	712.7	36.97	692.0	35.24	669.9	34.57	655.6	33.81	638.2	33.18	603.4	30.88
		66.1	713.1	36.83	692.0	35.18	669.9	34.51	655.6	33.66	638.2	33.04	603.4	30.72
		131.9	714.7	36.28	692.0	34.94	669.9	34.27	655.6	33.04	638.2	32.50	603.4	30.11
	95	150.5	715.9	35.50	692.0	34.41	669.9	33.92	655.6	33.04	638.2	32.15	603.4	30.11
		174.9	717.9	34.26	692.0	33.56	669.9	33.35	655.6	33.04	638.2	31.58	603.4	30.11
		52.8	716.8	35.35	692.0	33.61	669.9	32.65	655.6	31.41	638.2	31.03	603.4	28.50
		66.1	716.8	35.06	692.0	33.41	669.9	32.50	655.6	31.27	638.2	30.72	603.4	28.34
	104	131.9	716.8	33.90	692.0	32.62	669.9	31.88	655.6	30.72	638.2	29.50	603.4	27.73
		150.5	716.8	33.27	692.0	32.19	669.9	31.53	655.6	30.72	638.2	29.50	603.4	27.41
		174.9	716.8	32.25	692.0	31.51	669.9	30.97	655.6	30.72	638.2	29.50	603.4	26.90
		52.8	716.8	33.77	692.0	31.93	669.9	31.03	655.6	29.80	638.2	28.63	603.4	26.10
	113	66.1	716.8	33.29	692.0	31.64	669.9	30.72	655.6	29.50	638.2	28.34	603.4	25.96
		131.9	716.8	31.40	692.0	30.48	669.9	29.50	655.6	28.34	638.2	27.18	603.4	25.41
		150.5	716.8	31.18	692.0	30.34	669.9	29.50	655.6	28.34	638.2	27.18	603.4	25.06
		174.9	716.8	30.84	692.0	30.11	669.9	29.50	655.6	28.34	638.2	27.18	603.4	24.49
	120	52.8	716.8	32.76	692.0	30.47	669.9	29.26	655.6	28.02	638.2	26.86	603.4	24.33
		66.1	716.8	32.13	692.0	30.11	669.9	28.95	655.6	27.73	638.2	26.57	603.4	24.19
		131.9	716.8	29.62	692.0	28.71	669.9	27.73	655.6	26.57	638.2	25.41	603.4	23.64
		150.5	716.8	29.41	692.0	28.50	669.9	27.73	655.6	26.57	638.2	25.41	603.4	23.29
	120	174.9	716.8	29.07	692.0	28.16	669.9	27.73	655.6	26.57	638.2	25.41	603.4	22.72
		52.8	716.8	31.75	692.0	29.00	669.9	27.49	655.6	26.25	638.2	25.09	603.4	22.56
		66.1	716.8	30.97	692.0	28.59	669.9	27.18	655.6	25.96	638.2	24.80	603.4	22.42
		131.9	716.8	27.85	692.0	26.94	669.9	25.96	655.6	24.80	638.2	23.64	603.4	21.87
	120	150.5	716.8	27.64	692.0	26.66	669.9	25.96	655.6	24.80	638.2	23.64	603.4	21.52
		174.9	716.8	27.30	692.0	26.20	669.9	25.96	655.6	24.80	638.2	23.64	603.4	20.95

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCKN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	52.8	241.2	37.59	239.6	34.93	238.1	32.52	235.6	31.14	236.2	30.24	230.9	27.07
		66.1	249.5	38.24	247.9	35.61	246.3	33.23	243.7	31.82	244.2	30.91	238.9	27.67
		131.9	282.2	40.80	280.6	38.30	279.0	36.04	275.9	34.51	275.9	33.53	270.6	30.05
		150.5	299.3	42.32	297.4	39.82	295.8	37.66	292.7	36.10	292.7	35.05	286.7	31.39
	32	174.9	326.6	44.75	324.2	42.25	322.6	40.26	319.5	38.64	319.5	37.48	312.6	33.54
		52.8	431.0	51.43	421.5	49.23	412.7	47.63	404.8	45.61	401.1	44.34	385.9	39.64
		66.1	433.6	51.55	424.1	49.35	415.1	47.77	407.2	45.75	403.5	44.47	388.2	39.76
		131.9	443.6	52.04	434.1	49.84	424.6	48.32	416.7	46.30	413.0	44.96	397.2	40.25
		150.5	447.6	52.04	438.1	49.84	428.6	48.32	420.4	46.30	416.7	44.96	400.5	40.25
	41	174.9	453.9	52.04	444.4	49.84	434.9	48.32	426.2	46.30	422.5	44.96	405.9	40.25
		52.8	628.7	55.28	613.8	53.20	599.6	51.84	586.0	49.64	563.3	48.25	535.9	43.21
		66.1	630.8	55.52	615.0	53.45	599.7	52.10	586.0	49.90	563.3	48.50	535.9	43.43
		131.9	639.3	56.50	619.7	54.42	600.2	53.14	586.0	50.94	563.3	49.48	535.9	44.28
	50	150.5	641.4	56.71	620.6	54.63	600.2	53.35	586.0	51.15	563.3	49.69	535.9	44.46
		174.9	644.8	57.05	622.1	54.97	600.2	53.69	586.0	51.49	563.3	50.03	535.9	44.74
	59	52.8	631.1	49.57	615.5	47.87	598.8	46.83	585.1	45.26	562.4	43.76	535.2	39.35
		66.1	633.5	49.66	617.1	48.01	599.7	46.97	586.0	45.32	563.3	43.73	535.9	39.40
		131.9	643.0	50.03	623.4	48.56	603.4	47.52	589.7	45.57	567.0	43.61	538.5	39.58
		150.5	645.1	50.03	624.9	48.56	604.6	47.45	590.3	45.50	567.6	43.72	539.4	39.83
	68	174.9	648.5	50.03	627.4	48.56	606.6	47.34	591.3	45.38	568.6	43.89	540.9	40.22
		52.8	632.9	43.86	616.4	42.63	598.5	41.90	584.3	40.90	561.4	39.26	534.5	35.58
		66.1	635.6	43.80	618.7	42.63	600.2	41.90	586.0	40.74	563.3	38.97	535.9	35.43
		131.9	646.1	43.55	627.7	42.63	607.1	41.90	592.8	40.13	570.7	37.81	541.2	34.82
	77	150.5	648.3	43.37	629.5	42.42	608.9	41.58	594.0	39.81	571.6	37.81	543.0	35.17
		174.9	651.7	43.09	632.4	42.08	611.8	41.07	596.0	39.30	573.1	37.81	545.9	35.73
	86	52.8	644.8	37.85	627.1	36.95	606.9	36.04	590.6	35.43	569.0	34.42	539.0	32.19
		66.1	648.2	37.93	629.2	36.95	608.7	36.04	592.8	35.43	570.7	34.27	541.2	32.13
		131.9	661.9	38.24	637.7	36.95	615.5	36.04	601.8	35.43	577.5	33.66	549.6	31.88
		150.5	664.1	38.24	640.7	36.95	617.7	36.04	602.7	35.08	579.3	33.66	550.5	31.88
	95	174.9	667.5	38.24	645.6	36.95	621.1	36.04	604.2	34.51	582.3	33.66	552.0	31.88
		52.8	664.8	34.45	645.1	33.18	619.2	32.65	605.5	31.41	584.4	30.27	553.3	27.73
		66.1	666.2	34.39	645.1	33.04	619.2	32.50	605.5	31.27	584.4	30.11	553.3	27.73
		131.9	671.4	34.14	645.1	32.50	619.2	31.88	605.5	30.72	584.4	29.50	553.3	27.73
	104	150.5	673.2	34.14	645.1	32.57	619.2	31.53	605.5	30.72	584.4	29.18	553.3	27.41
		174.9	676.2	34.14	645.1	32.68	619.2	30.97	605.5	30.72	584.4	28.68	553.3	26.90
	113	52.8	674.6	31.41	645.1	30.27	619.2	29.11	605.5	28.50	584.4	26.72	553.3	24.95
		66.1	674.6	31.27	645.1	30.11	619.2	28.95	605.5	28.34	584.4	26.57	553.3	24.80
		131.9	674.6	30.72	645.1	29.50	619.2	28.34	605.5	27.73	584.4	25.96	553.3	24.19
		150.5	674.6	30.58	645.1	29.18	619.2	27.99	605.5	27.41	584.4	25.96	553.3	24.19
	113	174.9	674.6	30.36	645.1	28.68	619.2	27.42	605.5	26.90	584.4	25.96	553.3	24.19
		52.8	674.6	29.80	645.1	27.87	619.2	26.72	605.5	25.56	584.4	24.33	553.3	22.56
		66.1	674.6	29.50	645.1	27.73	619.2	26.57	605.5	25.41	584.4	24.19	553.3	22.42
		131.9	674.6	28.34	645.1	27.18	619.2	25.96	605.5	24.80	584.4	23.64	553.3	21.87
	113	150.5	674.6	27.92	645.1	26.83	619.2	25.64	605.5	24.80	584.4	23.64	553.3	21.87
		174.9	674.6	27.24	645.1	26.26	619.2	25.13	605.5	24.80	584.4	23.64	553.3	21.87
	113	52.8	674.6	28.02	645.1	26.86	619.2	25.09	605.5	23.79	584.4	22.56	553.3	20.78
		66.1	674.6	27.73	645.1	26.57	619.2	24.80	605.5	23.64	584.4	22.42	553.3	20.65
		131.9	674.6	26.57	645.1	25.41	619.2	23.64	605.5	23.03	584.4	21.87	553.3	20.10
		150.5	674.6	26.36	645.1	25.06	619.2	23.64	605.5	22.68	584.4	21.52	553.3	19.75
	113	174.9	674.6	26.02	645.1	24.49	619.2	23.64	605.5	22.11	584.4	20.95	553.3	19.18
		52.8	674.6	26.25	645.1	25.86	619.2	23.47	605.5	22.02	584.4	20.78	553.3	19.01
		66.1	674.6	25.96	645.1	25.41	619.2	23.03	605.5	21.87	584.4	20.65	553.3	18.87
		131.9	674.6	24.80	645.1	23.64	619.2	21.26	605.5	21.26	584.4	20.10	553.3	18.32
	113	150.5	674.6	24.80	645.1	23.29	619.2	21.61	605.5	20.59	584.4	19.39	553.3	17.62
		174.9	674.6	24.80	645.1	22.72	619.2	22.17	605.5	19.51	584.4	18.26	553.3	16.49

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM504DAS5

504,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	52.8	227.9	37.59	226.3	35.42	225.4	32.52	223.4	31.14	221.3	29.75	217.1	27.07
		66.1	235.8	38.24	234.2	36.10	233.1	33.23	231.0	31.82	228.9	30.42	224.7	27.67
		131.9	266.9	40.80	265.3	38.79	263.7	36.04	261.1	34.51	259.0	33.04	254.8	30.05
		150.5	283.0	42.32	281.2	40.34	279.6	37.66	276.9	36.10	274.8	34.52	270.0	31.39
	32	174.9	308.9	44.75	306.6	42.83	305.0	40.26	302.3	38.64	300.2	36.90	294.4	33.54
		52.8	407.4	51.43	398.5	49.90	390.2	47.63	383.3	45.61	376.4	43.67	363.4	39.64
		66.1	409.8	51.55	400.9	50.03	392.4	47.77	385.6	45.75	378.7	43.80	365.5	39.76
		131.9	419.3	52.04	410.3	50.51	401.4	48.32	394.5	46.30	387.7	44.28	374.0	40.25
		150.5	423.0	52.04	414.0	50.51	405.1	48.32	397.9	46.30	391.0	44.28	377.3	40.25
	41	174.9	428.8	52.04	419.9	50.51	410.9	48.32	403.3	46.30	396.4	44.28	382.7	40.25
		52.8	601.3	55.28	581.2	53.93	566.3	51.84	554.9	49.64	528.5	47.52	504.2	43.21
		66.1	603.4	55.52	582.3	54.18	566.5	52.10	554.9	49.90	528.5	47.77	504.2	43.43
		131.9	611.8	56.50	586.5	55.16	567.0	53.14	554.9	50.94	528.5	48.74	504.2	44.28
	50	150.5	614.0	56.71	587.4	55.37	567.0	53.35	554.9	51.15	528.5	48.92	504.2	44.46
		174.9	617.4	57.05	588.9	55.71	567.0	53.69	554.9	51.49	528.5	49.20	504.2	44.74
		52.8	604.6	49.43	583.1	48.34	567.0	46.83	554.9	45.26	528.5	43.02	504.2	39.35
		66.1	606.0	49.66	583.9	48.50	567.0	46.97	554.9	45.32	528.5	43.06	504.2	39.40
	59	131.9	611.8	50.58	587.0	49.11	567.0	47.52	554.9	45.57	528.5	43.25	504.2	39.58
		150.5	614.3	50.47	588.5	49.11	567.0	47.45	554.9	45.50	528.5	43.18	504.2	39.47
		174.9	618.2	50.30	591.0	49.11	567.0	47.34	554.9	45.38	528.5	43.06	504.2	39.30
		52.8	607.9	43.58	585.6	42.85	567.0	41.90	554.9	40.90	528.5	38.50	504.2	35.58
	68	66.1	608.7	43.80	586.0	42.88	567.0	41.90	554.9	40.74	528.5	38.36	504.2	35.43
		131.9	611.8	44.65	587.6	43.00	567.0	41.90	554.9	40.13	528.5	37.81	504.2	34.82
		150.5	614.9	44.23	589.4	42.79	567.0	41.58	554.9	39.81	528.5	37.46	504.2	34.50
		174.9	619.8	43.55	592.3	42.45	567.0	41.07	554.9	39.30	528.5	36.89	504.2	33.99
	77	52.8	611.2	37.27	588.8	36.31	567.0	35.43	554.9	34.96	528.5	32.65	504.2	31.03
		66.1	613.4	37.44	589.2	36.34	567.0	35.43	554.9	34.82	528.5	32.50	504.2	30.72
		131.9	622.4	38.11	590.7	36.47	567.0	35.43	554.9	34.27	528.5	31.88	504.2	29.50
		150.5	624.5	37.72	593.8	36.29	567.0	35.08	554.9	33.92	528.5	31.53	504.2	29.18
	86	174.9	627.9	37.10	598.7	36.01	567.0	34.51	554.9	33.35	528.5	30.97	504.2	28.68
		52.8	618.5	32.59	598.1	31.57	567.0	30.27	554.9	29.11	528.5	27.34	504.2	24.80
		66.1	620.8	32.62	598.1	31.40	567.0	30.11	554.9	28.95	528.5	27.18	504.2	24.80
		131.9	629.8	32.74	598.1	30.72	567.0	29.50	554.9	28.34	528.5	26.57	504.2	24.80
	95	150.5	631.6	32.32	598.1	30.58	567.0	29.18	554.9	27.99	528.5	26.57	504.2	24.45
		174.9	634.5	31.64	598.1	30.36	567.0	28.68	554.9	27.42	528.5	26.57	504.2	23.88
		52.8	632.9	29.64	598.1	27.34	567.0	25.47	554.9	24.95	528.5	23.03	504.2	22.02
		66.1	632.9	29.50	598.1	27.18	567.0	25.41	554.9	24.80	528.5	23.03	504.2	21.87
	104	131.9	632.9	28.95	598.1	26.57	567.0	25.17	554.9	24.19	528.5	23.03	504.2	21.26
		150.5	632.9	28.60	598.1	26.57	567.0	24.95	554.9	24.19	528.5	22.68	504.2	21.26
		174.9	632.9	28.03	598.1	26.57	567.0	24.61	554.9	24.19	528.5	22.11	504.2	21.26
		52.8	632.9	27.49	598.1	25.09	567.0	22.48	554.9	22.02	528.5	20.78	504.2	19.01
	113	66.1	632.9	27.18	598.1	24.80	567.0	22.42	554.9	21.87	528.5	20.65	504.2	18.87
		131.9	632.9	25.96	598.1	23.64	567.0	22.17	554.9	21.26	528.5	20.10	504.2	18.32
		150.5	632.9	25.96	598.1	23.64	567.0	21.99	554.9	21.26	528.5	20.10	504.2	18.32
		174.9	632.9	25.96	598.1	23.64	567.0	21.71	554.9	21.26	528.5	20.10	504.2	18.32
	104	52.8	632.9	25.72	598.1	23.32	567.0	20.16	554.9	19.64	528.5	18.48	504.2	17.24
		66.1	632.9	25.41	598.1	23.03	567.0	20.10	554.9	19.48	528.5	18.32	504.2	17.10
		131.9	632.9	24.19	598.1	21.87	567.0	19.85	554.9	18.87	528.5	17.71	504.2	16.55
		150.5	632.9	23.87	598.1	21.87	567.0	19.64	554.9	18.87	528.5	17.71	504.2	16.55
	113	174.9	632.9	23.36	598.1	21.87	567.0	19.30	554.9	18.87	528.5	17.71	504.2	16.55
		52.8	632.9	23.95	598.1	21.55	567.0	17.78	554.9	17.24	528.5	16.10	504.2	15.47
		66.1	632.9	23.64	598.1	21.26	567.0	17.71	554.9	17.10	528.5	15.94	504.2	15.33
		131.9	632.9	22.42	598.1	20.10	567.0	17.47	554.9	16.55	528.5	15.33	504.2	14.78
		150.5	632.9	21.75	598.1	20.10	567.0	17.26	554.9	16.55	528.5	15.33	504.2	14.78
		174.9	632.9	20.67	598.1	20.10	567.0	16.92	554.9	16.55	528.5	15.33	504.2	14.78

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	52.8	215.1	34.89	208.5	31.77	202.5	27.91	200.9	26.59	199.3	25.63	195.9	23.01
		66.1	222.6	35.49	215.7	32.37	209.4	28.52	207.8	27.18	206.2	26.20	202.5	23.52
		131.9	252.1	37.87	244.2	34.76	236.8	30.97	235.2	29.50	233.7	28.46	228.9	25.53
		150.5	267.4	39.25	258.8	36.17	251.1	32.38	249.2	30.84	247.7	29.73	242.9	26.69
	32	174.9	291.8	41.45	282.3	38.43	274.1	34.64	271.7	32.99	270.1	31.77	265.4	28.56
		52.8	384.9	47.52	367.1	44.59	350.2	40.94	345.1	39.04	339.3	37.58	326.6	33.75
		66.1	387.1	47.64	369.2	44.71	352.3	41.05	347.1	39.15	341.3	37.69	328.6	33.84
		131.9	396.1	48.13	377.6	45.20	360.8	41.47	355.0	39.58	349.2	38.11	336.5	34.21
		150.5	399.4	48.13	381.0	45.20	364.1	41.47	358.0	39.58	352.5	38.11	339.5	34.21
	41	174.9	404.8	48.13	386.4	45.20	369.5	41.47	362.9	39.58	357.9	38.11	344.4	34.21
		52.8	543.8	51.02	526.3	48.14	509.5	44.56	499.0	42.48	476.8	40.89	454.1	36.71
		66.1	544.3	51.25	525.9	48.38	509.5	44.77	499.0	42.70	476.8	41.11	454.1	36.89
		131.9	546.4	52.16	524.3	49.29	509.5	45.63	499.0	43.55	476.8	41.96	454.1	37.63
	50	150.5	548.2	52.34	525.2	49.47	509.5	45.84	499.0	43.73	476.8	42.14	454.1	37.81
		174.9	551.2	52.62	526.7	49.75	509.5	46.18	499.0	44.01	476.8	42.42	454.1	38.09
	59	52.8	546.7	45.05	528.1	42.83	509.5	40.33	499.0	38.68	476.8	37.11	454.1	33.44
		66.1	546.4	45.08	527.4	42.88	509.5	40.37	499.0	38.73	476.8	37.08	454.1	33.47
		131.9	545.4	45.20	524.8	43.06	509.5	40.56	499.0	38.91	476.8	36.95	454.1	33.59
		150.5	547.5	45.13	525.7	42.99	509.5	40.49	499.0	38.84	476.8	37.02	454.1	33.66
	68	174.9	550.9	45.02	527.2	42.88	509.5	40.37	499.0	38.72	476.8	37.14	454.1	33.78
		52.8	549.5	39.00	530.0	37.60	509.5	36.19	499.0	34.96	476.8	33.34	454.1	30.27
		66.1	548.5	38.85	529.0	37.44	509.5	36.04	499.0	34.82	476.8	33.04	454.1	30.11
		131.9	544.8	38.24	525.3	36.83	509.5	35.43	499.0	34.27	476.8	31.88	454.1	29.50
	77	150.5	547.0	37.92	526.2	36.51	509.5	35.08	499.0	33.92	476.8	31.88	454.1	29.50
		174.9	550.4	37.41	527.7	36.01	509.5	34.51	499.0	33.35	476.8	31.88	454.1	29.50
	86	52.8	552.8	32.92	532.2	31.98	509.5	30.88	499.0	29.64	476.8	28.63	454.1	26.86
		66.1	552.2	32.92	531.1	31.88	509.5	30.72	499.0	29.50	476.8	28.34	454.1	26.57
		131.9	550.1	32.92	526.9	31.52	509.5	30.11	499.0	28.95	476.8	27.18	454.1	25.41
		150.5	551.0	32.60	527.8	31.38	509.5	30.11	499.0	28.95	476.8	27.18	454.1	25.41
	95	174.9	552.5	32.10	529.3	31.15	509.5	30.11	499.0	28.95	476.8	27.18	454.1	25.41
		52.8	562.0	28.77	539.0	27.24	509.5	26.10	499.0	24.80	476.8	23.79	454.1	22.02
		66.1	563.3	28.71	539.0	27.18	509.5	25.96	499.0	24.80	476.8	23.64	454.1	21.87
		131.9	568.6	28.46	539.0	26.94	509.5	25.41	499.0	24.80	476.8	23.03	454.1	21.26
	104	150.5	569.8	28.04	539.0	26.59	509.5	25.41	499.0	24.45	476.8	23.03	454.1	21.26
		174.9	571.8	27.36	539.0	26.02	509.5	25.41	499.0	23.88	476.8	23.03	454.1	21.26
	113	52.8	570.7	26.10	539.0	24.33	509.5	22.56	499.0	22.02	476.8	20.78	454.1	18.87
		66.1	570.7	25.96	539.0	24.19	509.5	22.42	499.0	21.87	476.8	20.65	454.1	18.87
		131.9	570.7	25.41	539.0	23.64	509.5	21.87	499.0	21.26	476.8	20.10	454.1	18.87
		150.5	570.7	25.06	539.0	23.29	509.5	21.87	499.0	21.26	476.8	20.10	454.1	18.55
	122	174.9	570.7	24.49	539.0	22.72	509.5	21.87	499.0	21.26	476.8	20.10	454.1	18.05
		52.8	570.7	23.79	539.0	22.02	509.5	20.25	499.0	19.64	476.8	18.48	454.1	17.24
		66.1	570.7	23.64	539.0	21.87	509.5	20.10	499.0	19.48	476.8	18.32	454.1	17.10
		131.9	570.7	23.03	539.0	21.26	509.5	19.48	499.0	18.87	476.8	17.71	454.1	16.55
	131	150.5	570.7	22.68	539.0	20.91	509.5	19.13	499.0	18.55	476.8	17.71	454.1	16.55
		174.9	570.7	22.11	539.0	20.34	509.5	18.57	499.0	18.05	476.8	17.71	454.1	16.55
	140	52.8	570.7	22.18	539.0	20.25	509.5	17.87	499.0	17.24	476.8	16.71	454.1	15.47
		66.1	570.7	21.87	539.0	20.10	509.5	17.71	499.0	17.10	476.8	16.55	454.1	15.33
		131.9	570.7	20.65	539.0	19.48	509.5	17.10	499.0	16.55	476.8	15.94	454.1	14.78
		150.5	570.7	20.65	539.0	19.48	509.5	17.10	499.0	16.55	476.8	15.94	454.1	14.78
	149	174.9	570.7	20.65	539.0	19.48	509.5	17.10	499.0	16.55	476.8	15.94	454.1	14.78
		52.8	570.7	20.54	539.0	18.48	509.5	15.47	499.0	14.94	476.8	14.94	454.1	13.70
		66.1	570.7	20.10	539.0	18.32	509.5	15.33	499.0	14.78	476.8	14.78	454.1	13.56
		131.9	570.7	18.32	539.0	17.71	509.5	14.78	499.0	14.17	476.8	14.17	454.1	13.01
	158	150.5	570.7	18.64	539.0	18.06	509.5	15.10	499.0	14.52	476.8	14.17	454.1	13.01
		174.9	570.7	19.15	539.0	18.63	509.5	15.61	499.0	15.09	476.8	14.17	454.1	13.01

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA

ARWM504DAS5

504,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	52.8	203.5	24.85	190.7	23.91	180.6	22.90	178.5	22.12	177.4	21.10	173.9	19.43
		66.1	210.4	25.41	197.3	24.43	186.7	23.39	184.6	22.60	183.5	21.56	179.9	19.85
		131.9	237.9	27.61	223.1	26.51	211.0	25.35	208.9	24.49	207.8	23.39	203.6	21.50
		150.5	252.5	28.84	236.5	27.71	223.8	26.51	221.4	25.62	220.3	24.45	215.8	22.49
		174.9	276.0	30.82	258.0	29.63	244.3	28.38	241.4	27.43	240.3	26.15	235.3	24.07
	32	52.8	363.3	36.48	335.0	35.01	312.0	33.56	306.2	32.40	301.9	30.88	290.5	28.45
		66.1	365.5	36.59	337.0	35.12	313.8	33.66	308.0	32.50	303.8	30.97	292.2	28.52
		131.9	374.5	37.02	344.9	35.55	321.2	34.02	315.4	32.86	311.2	31.33	299.1	28.83
		150.5	377.5	37.02	348.0	35.55	324.2	34.02	318.1	32.86	313.9	31.33	301.8	28.83
		174.9	382.4	37.02	352.9	35.55	329.1	34.02	322.5	32.86	318.3	31.33	306.2	28.83
	41	52.8	502.6	39.67	474.3	38.17	453.5	36.45	443.6	35.24	424.6	33.61	403.5	30.92
		66.1	503.7	39.89	475.2	38.36	453.6	36.65	443.6	35.43	424.6	33.78	403.5	31.09
		131.9	507.9	40.74	478.9	39.09	454.1	37.44	443.6	36.16	424.6	34.45	403.5	31.76
		150.5	507.9	40.88	478.6	39.27	454.1	37.58	443.6	36.30	424.6	34.59	403.5	31.87
		174.9	507.9	41.11	478.1	39.55	454.1	37.81	443.6	36.53	424.6	34.82	403.5	32.04
	50	52.8	505.3	36.51	476.3	34.86	453.5	33.09	443.6	32.17	424.6	30.46	403.5	28.20
		66.1	505.8	36.47	476.8	34.82	453.6	33.11	443.6	32.19	424.6	30.48	403.5	28.22
		131.9	507.9	36.28	478.9	34.63	454.1	33.17	443.6	32.25	424.6	30.54	403.5	28.28
		150.5	507.9	36.21	478.6	34.70	454.1	33.24	443.6	32.15	424.6	30.43	403.5	28.17
		174.9	507.9	36.10	478.1	34.82	454.1	33.35	443.6	31.98	424.6	30.26	403.5	28.00
	59	52.8	507.9	33.34	478.4	31.57	454.1	29.64	443.6	29.11	424.6	27.34	403.5	25.56
		66.1	507.9	33.04	478.4	31.27	454.1	29.50	443.6	28.95	424.6	27.18	403.5	25.41
		131.9	507.9	31.88	478.4	30.11	454.1	28.95	443.6	28.34	424.6	26.57	403.5	24.80
		150.5	507.9	31.53	478.4	30.11	454.1	28.95	443.6	27.99	424.6	26.22	403.5	24.45
		174.9	507.9	30.97	478.4	30.11	454.1	28.95	443.6	27.42	424.6	25.65	403.5	23.88
	68	52.8	507.9	27.87	478.4	26.72	454.1	25.41	443.6	24.95	424.6	23.79	403.5	22.02
		66.1	507.9	27.73	478.4	26.57	454.1	25.41	443.6	24.80	424.6	23.64	403.5	21.87
		131.9	507.9	27.18	478.4	25.96	454.1	25.41	443.6	24.19	424.6	23.03	403.5	21.26
		150.5	507.9	26.83	478.4	25.64	454.1	25.06	443.6	24.19	424.6	22.68	403.5	21.26
		174.9	507.9	26.26	478.4	25.13	454.1	24.49	443.6	24.19	424.6	22.11	403.5	21.26
	77	52.8	507.9	24.95	478.4	23.18	454.1	21.87	443.6	21.41	424.6	20.25	403.5	19.01
		66.1	507.9	24.80	478.4	23.03	454.1	21.87	443.6	21.26	424.6	20.10	403.5	18.87
		131.9	507.9	24.19	478.4	22.42	454.1	21.87	443.6	20.65	424.6	19.48	403.5	18.32
		150.5	507.9	23.87	478.4	22.42	454.1	21.52	443.6	20.65	424.6	19.48	403.5	18.32
		174.9	507.9	23.36	478.4	22.42	454.1	20.95	443.6	20.65	424.6	19.48	403.5	18.32
	86	52.8	507.9	22.02	478.4	20.78	454.1	19.64	443.6	19.01	424.6	17.87	403.5	16.71
		66.1	507.9	21.87	478.4	20.65	454.1	19.48	443.6	18.87	424.6	17.71	403.5	16.55
		131.9	507.9	21.26	478.4	20.10	454.1	18.87	443.6	18.32	424.6	17.10	403.5	15.94
		150.5	507.9	21.26	478.4	20.10	454.1	18.87	443.6	18.32	424.6	17.10	403.5	15.94
		174.9	507.9	21.26	478.4	20.10	454.1	18.87	443.6	18.32	424.6	17.10	403.5	15.94
	95	52.8	507.9	20.25	478.4	19.01	454.1	17.24	443.6	16.55	424.6	16.10	403.5	14.78
		66.1	507.9	20.10	478.4	18.87	454.1	17.10	443.6	16.55	424.6	15.94	403.5	14.78
		131.9	507.9	19.48	478.4	18.32	454.1	16.55	443.6	16.55	424.6	15.33	403.5	14.78
		150.5	507.9	19.48	478.4	17.97	454.1	16.55	443.6	16.20	424.6	15.33	403.5	14.43
		174.9	507.9	19.48	478.4	17.41	454.1	16.55	443.6	15.63	424.6	15.33	403.5	13.86
	104	52.8	507.9	19.17	478.4	17.24	454.1	15.33	443.6	15.47	424.6	14.17	403.5	13.70
		66.1	507.9	18.87	478.4	17.10	454.1	15.33	443.6	15.33	424.6	14.17	403.5	13.56
		131.9	507.9	17.71	478.4	16.55	454.1	15.33	443.6	14.78	424.6	14.17	403.5	13.01
		150.5	507.9	17.71	478.4	16.55	454.1	15.01	443.6	14.78	424.6	14.17	403.5	13.01
		174.9	507.9	17.71	478.4	16.55	454.1	14.50	443.6	14.78	424.6	14.17	403.5	13.01
	113	52.8	507.9	18.16	478.4	15.47	454.1	13.41	443.6	14.46	424.6	12.25	403.5	12.69
		66.1	507.9	17.71	478.4	15.33	454.1	13.56	443.6	14.17	424.6	12.40	403.5	12.40
		131.9	507.9	15.94	478.4	14.78	454.1	14.17	443.6	13.01	424.6	13.01	403.5	11.24
		150.5	507.9	15.94	478.4	15.10	454.1	13.50	443.6	13.33	424.6	13.01	403.5	11.56
		174.9	507.9	15.94	478.4	15.61	454.1	12.43	443.6	13.84	424.6	13.01	403.5	12.07

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	52.8	177.4	21.34	166.7	20.32	157.7	19.66	156.1	18.53	155.0	17.88	152.5	16.26
		66.1	183.5	21.81	172.5	20.77	163.0	20.10	161.4	18.94	160.3	18.26	157.7	16.61
		131.9	207.8	23.64	195.2	22.54	184.1	21.81	182.5	20.52	181.4	19.79	178.3	18.02
		150.5	220.6	24.74	207.1	23.56	195.4	22.80	193.8	21.44	192.4	20.71	188.9	18.83
		174.9	241.1	26.49	226.1	25.20	213.4	24.38	211.8	22.91	210.0	22.18	206.0	20.13
	32	52.8	317.8	31.24	293.6	29.79	272.7	28.80	267.9	27.10	263.7	26.19	254.3	23.82
		66.1	319.6	31.33	295.4	29.87	274.3	28.89	269.5	27.18	265.3	26.26	255.8	23.88
		131.9	327.0	31.70	302.2	30.17	280.6	29.26	275.9	27.49	271.6	26.57	261.6	24.13
		150.5	329.8	31.70	305.0	30.17	283.0	29.26	278.3	27.49	274.1	26.57	264.1	24.13
		174.9	334.2	31.70	309.4	30.17	286.9	29.26	282.2	27.49	278.0	26.57	268.0	24.13
	41	52.8	439.0	34.04	415.9	32.39	396.0	31.35	387.7	29.55	370.3	28.49	352.9	25.88
		66.1	439.9	34.21	416.7	32.56	396.1	31.52	387.7	29.69	370.3	28.65	352.9	26.02
		131.9	443.6	34.88	419.8	33.23	396.6	32.19	387.7	30.24	370.3	29.26	352.9	26.57
		150.5	443.6	35.02	419.5	33.37	396.6	32.33	387.7	30.38	370.3	29.36	352.9	26.68
		174.9	443.6	35.24	419.1	33.60	396.6	32.56	387.7	30.60	370.3	29.53	352.9	26.85
	50	52.8	440.9	31.34	417.3	29.62	396.6	28.53	387.7	26.94	370.3	25.84	352.9	23.64
		66.1	441.5	31.27	417.7	29.56	396.6	28.46	387.7	26.94	370.3	25.84	352.9	23.64
		131.9	443.6	31.03	419.3	29.32	396.6	28.22	387.7	26.94	370.3	25.84	352.9	23.64
		150.5	443.6	31.10	419.3	29.39	396.6	28.29	387.7	27.01	370.3	25.73	352.9	23.67
		174.9	443.6	31.21	419.3	29.50	396.6	28.40	387.7	27.12	370.3	25.56	352.9	23.73
	59	52.8	443.6	28.63	419.3	26.86	396.6	25.72	387.7	24.33	370.3	23.18	352.9	21.41
		66.1	443.6	28.34	419.3	26.57	396.6	25.41	387.7	24.19	370.3	23.03	352.9	21.26
		131.9	443.6	27.18	419.3	25.41	396.6	24.19	387.7	23.64	370.3	22.42	352.9	20.65
		150.5	443.6	27.18	419.3	25.41	396.6	24.19	387.7	23.64	370.3	22.10	352.9	20.65
		174.9	443.6	27.18	419.3	25.41	396.6	24.19	387.7	23.64	370.3	21.59	352.9	20.65
	68	52.8	443.6	23.79	419.3	22.56	396.6	22.02	387.7	21.41	370.3	20.25	352.9	19.01
		66.1	443.6	23.64	419.3	22.42	396.6	21.87	387.7	21.26	370.3	20.10	352.9	18.87
		131.9	443.6	23.03	419.3	21.87	396.6	21.26	387.7	20.65	370.3	19.48	352.9	18.32
		150.5	443.6	23.03	419.3	21.87	396.6	21.26	387.7	20.33	370.3	19.48	352.9	17.97
		174.9	443.6	23.03	419.3	21.87	396.6	21.26	387.7	19.82	370.3	19.48	352.9	17.41
	77	52.8	443.6	21.41	419.3	20.25	396.6	19.01	387.7	18.48	370.3	17.10	352.9	15.94
		66.1	443.6	21.26	419.3	20.10	396.6	18.87	387.7	18.32	370.3	17.10	352.9	15.94
		131.9	443.6	20.65	419.3	19.48	396.6	18.32	387.7	17.71	370.3	17.10	352.9	15.94
		150.5	443.6	20.33	419.3	19.13	396.6	18.32	387.7	17.71	370.3	16.78	352.9	15.94
		174.9	443.6	19.82	419.3	18.57	396.6	18.32	387.7	17.71	370.3	16.28	352.9	15.94
	86	52.8	443.6	19.01	419.3	17.87	396.6	16.71	387.7	15.94	370.3	15.47	352.9	14.17
		66.1	443.6	18.87	419.3	17.71	396.6	16.55	387.7	15.94	370.3	15.33	352.9	14.17
		131.9	443.6	18.32	419.3	17.10	396.6	15.94	387.7	15.94	370.3	14.78	352.9	14.17
		150.5	443.6	18.32	419.3	17.10	396.6	15.94	387.7	15.59	370.3	14.78	352.9	14.17
		174.9	443.6	18.32	419.3	17.10	396.6	15.94	387.7	15.02	370.3	14.78	352.9	14.17
	95	52.8	443.6	17.24	419.3	16.10	396.6	14.78	387.7	14.94	370.3	13.56	352.9	13.16
		66.1	443.6	17.10	419.3	15.94	396.6	14.78	387.7	14.78	370.3	13.56	352.9	13.01
		131.9	443.6	16.55	419.3	15.33	396.6	14.78	387.7	14.17	370.3	13.56	352.9	12.40
		150.5	443.6	16.55	419.3	15.33	396.6	14.43	387.7	14.17	370.3	13.56	352.9	12.40
		174.9	443.6	16.55	419.3	15.33	396.6	13.86	387.7	14.17	370.3	13.56	352.9	12.40
	104	52.8	443.6	16.10	419.3	14.94	396.6	13.70	387.7	13.01	370.3	12.40	352.9	11.93
		66.1	443.6	15.94	419.3	14.78	396.6	13.56	387.7	13.01	370.3	12.40	352.9	11.79
		131.9	443.6	15.33	419.3	14.17	396.6	13.01	387.7	13.01	370.3	12.40	352.9	11.24
		150.5	443.6	15.33	419.3	14.17	396.6	13.01	387.7	12.66	370.3	12.05	352.9	11.24
		174.9	443.6	15.33	419.3	14.17	396.6	13.01	387.7	12.09	370.3	11.48	352.9	11.24
	113	52.8	443.6	14.94	419.3	13.70	396.6	12.69	387.7	11.10	370.3	11.24	352.9	10.78
		66.1	443.6	14.78	419.3	13.56	396.6	12.40	387.7	11.24	370.3	11.24	352.9	10.63
		131.9	443.6	14.17	419.3	13.01	396.6	11.24	387.7	11.79	370.3	11.24	352.9	10.02
		150.5	443.6	14.17	419.3	13.01	396.6	11.56	387.7	11.12	370.3	10.53	352.9	10.02
		174.9	443.6	14.17	419.3	13.01	396.6	12.07	387.7	10.04	370.3	9.40	352.9	10.02

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM504DAS5

504,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	52.8	152.4	17.33	142.8	16.67	135.1	16.01	133.5	14.89	133.0	14.64	130.5	13.08
		66.1	157.7	17.71	147.7	17.04	139.8	16.37	138.2	15.21	137.7	14.96	135.0	13.38
		131.9	178.8	19.24	167.2	18.51	158.2	17.77	156.7	16.49	156.1	16.25	153.0	14.54
		150.5	189.5	20.09	177.3	19.36	168.0	18.58	166.1	17.27	165.6	16.99	162.1	15.17
	32	174.9	206.6	21.45	193.4	20.71	183.6	19.89	181.2	18.51	180.7	18.18	176.8	16.19
		52.8	272.7	25.39	251.2	24.49	234.3	23.44	229.7	21.81	226.5	21.50	218.2	19.19
		66.1	274.3	25.47	252.6	24.55	235.8	23.52	231.0	21.87	227.9	21.56	219.4	19.24
		131.9	280.6	25.78	258.4	24.80	241.6	23.82	236.3	22.11	233.1	21.81	224.2	19.42
		150.5	283.0	25.78	260.9	24.80	243.7	23.82	238.4	22.11	235.3	21.81	226.3	19.42
	41	174.9	286.9	25.78	264.8	24.80	247.1	23.82	241.8	22.11	238.7	21.81	229.7	19.42
		52.8	376.8	27.65	355.4	26.61	340.7	25.52	332.3	23.76	318.0	23.39	302.8	20.84
		66.1	377.6	27.79	356.0	26.75	340.7	25.65	332.3	23.88	318.0	23.52	302.8	20.95
		131.9	380.8	28.34	358.7	27.30	340.7	26.20	332.3	24.37	318.0	24.00	302.8	21.38
	50	150.5	380.8	28.48	358.4	27.41	340.7	26.31	332.3	24.48	318.0	24.07	302.8	21.48
		174.9	380.8	28.71	357.9	27.58	340.7	26.48	332.3	24.65	318.0	24.19	302.8	21.65
		52.8	378.8	25.41	356.7	24.31	340.7	23.15	332.3	21.62	318.0	21.21	302.8	19.01
		66.1	379.2	25.41	357.1	24.31	340.7	23.15	332.3	21.68	318.0	21.20	302.8	19.06
	59	131.9	380.8	25.41	358.7	24.31	340.7	23.15	332.3	21.93	318.0	21.13	302.8	19.24
		150.5	380.8	25.44	358.4	24.17	340.7	23.01	332.3	21.79	318.0	21.03	302.8	19.13
		174.9	380.8	25.50	357.9	23.94	340.7	22.78	332.3	21.56	318.0	20.86	302.8	18.96
		52.8	380.8	23.18	358.1	22.02	340.7	20.78	332.3	19.48	318.0	19.01	302.8	17.10
	68	66.1	380.8	23.03	358.1	21.87	340.7	20.65	332.3	19.48	318.0	18.87	302.8	17.10
		131.9	380.8	22.42	358.1	21.26	340.7	20.10	332.3	19.48	318.0	18.32	302.8	17.10
		150.5	380.8	22.42	358.1	20.91	340.7	19.75	332.3	19.13	318.0	17.97	302.8	16.78
		174.9	380.8	22.42	358.1	20.34	340.7	19.18	332.3	18.57	318.0	17.41	302.8	16.28
	77	52.8	380.8	20.25	358.1	19.01	340.7	17.87	332.3	17.24	318.0	16.71	302.8	15.47
		66.1	380.8	20.10	358.1	18.87	340.7	17.71	332.3	17.10	318.0	16.55	302.8	15.33
		131.9	380.8	19.48	358.1	18.32	340.7	17.10	332.3	16.55	318.0	15.94	302.8	14.78
		150.5	380.8	19.48	358.1	18.32	340.7	17.10	332.3	16.55	318.0	15.94	302.8	14.78
	86	174.9	380.8	19.48	358.1	18.32	340.7	17.10	332.3	16.55	318.0	15.94	302.8	14.78
		52.8	380.8	17.87	358.1	16.71	340.7	15.33	332.3	15.47	318.0	14.17	302.8	13.70
		66.1	380.8	17.71	358.1	16.55	340.7	15.33	332.3	15.33	318.0	14.17	302.8	13.56
		131.9	380.8	17.10	358.1	15.94	340.7	15.33	332.3	14.78	318.0	14.17	302.8	13.01
	95	150.5	380.8	17.10	358.1	15.94	340.7	15.01	332.3	14.78	318.0	14.17	302.8	13.01
		174.9	380.8	17.10	358.1	15.94	340.7	14.50	332.3	14.78	318.0	14.17	302.8	13.01
		52.8	380.8	16.10	358.1	14.94	340.7	14.33	332.3	13.70	318.0	13.16	302.8	12.55
		66.1	380.8	15.94	358.1	14.78	340.7	14.17	332.3	13.56	318.0	13.01	302.8	12.40
	104	131.9	380.8	15.33	358.1	14.17	340.7	13.56	332.3	13.01	318.0	12.40	302.8	11.79
		150.5	380.8	15.33	358.1	14.17	340.7	13.56	332.3	13.01	318.0	12.40	302.8	11.79
		174.9	380.8	15.33	358.1	14.17	340.7	13.56	332.3	13.01	318.0	12.40	302.8	11.79
		52.8	380.8	14.17	358.1	13.70	340.7	12.40	332.3	12.55	318.0	11.93	302.8	11.39
	113	66.1	380.8	14.17	358.1	13.56	340.7	12.40	332.3	12.40	318.0	11.79	302.8	11.24
		131.9	380.8	14.17	358.1	13.01	340.7	12.40	332.3	11.79	318.0	11.24	302.8	10.63
		150.5	380.8	14.17	358.1	13.01	340.7	12.05	332.3	11.79	318.0	11.24	302.8	10.63
		174.9	380.8	14.17	358.1	13.01	340.7	11.48	332.3	11.79	318.0	11.24	302.8	10.63
	113	52.8	380.8	13.01	358.1	12.55	340.7	11.24	332.3	11.39	318.0	10.78	302.8	10.02
		66.1	380.8	13.01	358.1	12.40	340.7	11.24	332.3	11.24	318.0	10.63	302.8	10.02
		131.9	380.8	13.01	358.1	11.79	340.7	11.24	332.3	10.63	318.0	10.02	302.8	10.02
		150.5	380.8	13.01	358.1	11.79	340.7	11.24	332.3	10.63	318.0	10.02	302.8	10.02
	113	174.9	380.8	13.01	358.1	11.79	340.7	11.24	332.3	10.63	318.0	10.02	302.8	10.02
		52.8	380.8	11.79	358.1	11.39	340.7	10.02	332.3	10.16	318.0	9.62	302.8	8.70
		66.1	380.8	11.79	358.1	11.24	340.7	10.02	332.3	10.02	318.0	9.47	302.8	8.86
		131.9	380.8	11.79	358.1	10.63	340.7	10.02	332.3	9.47	318.0	8.86	302.8	9.47
		150.5	380.8	11.79	358.1	10.63	340.7	10.37	332.3	9.47	318.0	8.86	302.8	9.47
		174.9	380.8	11.79	358.1	10.63	340.7	10.94	332.3	9.47	318.0	8.86	302.8	9.47

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	52.8	127.1	13.82	119.4	13.08	112.7	12.38	111.1	11.71	110.6	10.99	108.6	10.41
		66.1	131.3	14.11	123.4	13.38	116.6	12.64	115.0	11.97	114.5	11.24	112.3	10.63
		131.9	148.2	15.27	139.2	14.54	131.9	13.68	130.3	13.01	129.8	12.22	127.1	11.48
		150.5	157.3	15.98	147.8	15.17	139.8	14.32	138.2	13.61	137.4	12.75	135.0	12.01
	32	174.9	172.0	17.11	161.5	16.19	152.5	15.34	150.9	14.57	149.6	13.59	147.7	12.86
		52.8	226.5	20.23	209.8	19.19	195.0	18.08	190.8	17.16	188.2	16.14	181.4	15.22
		66.1	227.9	20.28	211.0	19.24	196.2	18.14	192.0	17.22	189.4	16.19	182.5	15.27
		131.9	233.1	20.46	215.7	19.42	201.0	18.39	196.7	17.47	194.1	16.37	186.7	15.45
		150.5	235.3	20.46	217.5	19.42	202.5	18.39	198.5	17.47	195.6	16.37	188.5	15.45
	41	174.9	238.7	20.46	220.5	19.42	204.9	18.39	201.5	17.47	198.1	16.37	191.5	15.45
		52.8	313.2	22.00	296.9	20.84	283.1	19.68	276.4	18.72	264.2	17.58	252.1	16.52
		66.1	313.8	22.11	297.5	20.95	283.2	19.79	276.4	18.81	264.2	17.65	252.1	16.61
		131.9	316.5	22.54	299.6	21.38	283.8	20.22	276.4	19.18	264.2	17.96	252.1	16.98
	50	150.5	316.5	22.64	299.3	21.48	283.8	20.29	276.4	19.25	264.2	18.06	252.1	17.05
		174.9	316.5	22.81	298.8	21.65	283.8	20.40	276.4	19.36	264.2	18.23	252.1	17.16
	59	52.8	315.1	20.25	297.6	19.07	283.1	17.93	276.4	17.13	264.2	15.83	252.1	15.12
		66.1	315.4	20.22	298.0	19.06	283.2	17.90	276.4	17.10	264.2	15.88	252.1	15.09
		131.9	316.5	20.10	299.6	19.00	283.8	17.77	276.4	16.98	264.2	16.06	252.1	14.96
		150.5	316.5	20.17	299.3	19.03	283.8	17.81	276.4	17.01	264.2	15.92	252.1	15.00
	68	174.9	316.5	20.28	298.8	19.09	283.8	17.87	276.4	17.07	264.2	15.70	252.1	15.06
		52.8	316.5	18.48	299.1	17.24	283.8	16.10	276.4	15.47	264.2	14.17	252.1	13.70
		66.1	316.5	18.32	299.1	17.10	283.8	15.94	276.4	15.33	264.2	14.17	252.1	13.56
		131.9	316.5	17.71	299.1	16.55	283.8	15.33	276.4	14.78	264.2	14.17	252.1	13.01
	77	150.5	316.5	17.71	299.1	16.55	283.8	15.33	276.4	14.78	264.2	13.82	252.1	13.01
		174.9	316.5	17.71	299.1	16.55	283.8	15.33	276.4	14.78	264.2	13.25	252.1	13.01
	86	52.8	316.5	16.10	299.1	14.94	283.8	14.33	276.4	13.70	264.2	13.16	252.1	11.79
		66.1	316.5	15.94	299.1	14.78	283.8	14.17	276.4	13.56	264.2	13.01	252.1	11.79
		131.9	316.5	15.33	299.1	14.17	283.8	13.56	276.4	13.01	264.2	12.40	252.1	11.79
		150.5	316.5	15.33	299.1	14.17	283.8	13.56	276.4	13.01	264.2	12.40	252.1	11.79
	95	174.9	316.5	15.33	299.1	14.17	283.8	13.56	276.4	13.01	264.2	12.40	252.1	11.79
		52.8	316.5	14.33	299.1	13.01	283.8	12.55	276.4	11.79	264.2	11.24	252.1	10.63
		66.1	316.5	14.17	299.1	13.01	283.8	12.40	276.4	11.79	264.2	11.24	252.1	10.63
		131.9	316.5	13.56	299.1	13.01	283.8	11.79	276.4	11.79	264.2	11.24	252.1	10.63
	104	150.5	316.5	13.56	299.1	13.01	283.8	11.79	276.4	11.79	264.2	11.24	252.1	10.63
		174.9	316.5	13.56	299.1	13.01	283.8	11.79	276.4	11.79	264.2	11.24	252.1	10.63
		52.8	316.5	13.16	299.1	11.93	283.8	11.39	276.4	10.63	264.2	10.78	252.1	10.16
		66.1	316.5	13.01	299.1	11.79	283.8	11.24	276.4	10.63	264.2	10.63	252.1	10.02
	113	131.9	316.5	12.40	299.1	11.24	283.8	10.63	276.4	10.63	264.2	10.02	252.1	9.47
		150.5	316.5	12.40	299.1	11.24	283.8	10.63	276.4	10.63	264.2	10.02	252.1	9.47
		174.9	316.5	12.40	299.1	11.24	283.8	10.63	276.4	10.63	264.2	10.02	252.1	9.47
		52.8	316.5	11.93	299.1	10.63	283.8	10.02	276.4	10.16	264.2	9.47	252.1	8.86
	113	66.1	316.5	11.79	299.1	10.63	283.8	10.02	276.4	10.02	264.2	9.47	252.1	8.86
		131.9	316.5	11.24	299.1	10.63	283.8	10.02	276.4	9.47	264.2	9.47	252.1	8.86
		150.5	316.5	11.24	299.1	10.63	283.8	10.02	276.4	9.47	264.2	9.47	252.1	8.86
		174.9	316.5	11.24	299.1	10.63	283.8	10.02	276.4	9.47	264.2	9.47	252.1	8.86
	113	52.8	316.5	10.78	299.1	10.16	283.8	9.62	276.4	8.86	264.2	9.01	252.1	8.25
		66.1	316.5	10.63	299.1	10.02	283.8	9.47	276.4	8.86	264.2	8.86	252.1	8.25
		131.9	316.5	10.02	299.1	9.47	283.8	8.86	276.4	8.86	264.2	8.25	252.1	8.25
		150.5	316.5	10.02	299.1	9.47	283.8	8.86	276.4	8.86	264.2	8.25	252.1	8.25
	113	174.9	316.5	10.02	299.1	9.47	283.8	8.86	276.4	8.86	264.2	8.25	252.1	8.25
		52.8	316.5	9.62	299.1	9.78	283.8	9.15	276.4	7.56	264.2	8.54	252.1	7.70
		66.1	316.5	9.47	299.1	9.47	283.8	8.86	276.4	7.70	264.2	8.25	252.1	7.70
		131.9	316.5	8.86	299.1	8.25	283.8	7.70	276.4	8.25	264.2	7.09	252.1	7.70
	113	150.5	316.5	8.86	299.1	8.25	283.8	7.70	276.4	8.25	264.2	7.09	252.1	7.70
		174.9	316.5	8.86	299.1	8.25	283.8	7.70	276.4	8.25	264.2	7.09	252.1	7.70

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM576DAS5

576,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	60.9	306.6	43.56	304.3	41.02	302.5	38.18	298.4	37.05	301.9	36.09	293.6	32.36
		76.2	317.1	44.32	314.7	41.81	312.8	39.02	308.6	37.87	312.2	36.86	303.8	33.06
		152.1	358.7	47.34	355.6	44.97	353.8	42.32	349.0	41.10	353.2	39.95	344.2	35.86
		167.4	387.5	49.63	384.0	47.31	381.7	44.82	376.9	43.60	381.6	42.34	371.7	37.99
		182.4	415.8	51.87	411.9	49.61	409.1	47.28	404.3	46.06	409.4	44.69	398.6	40.07
	32	60.9	547.6	59.58	535.2	57.81	523.8	55.92	512.3	54.34	514.1	52.86	490.6	47.33
		76.2	551.0	59.74	538.3	57.95	526.8	56.09	515.4	54.51	517.2	53.00	493.7	47.48
		152.1	564.2	60.39	550.3	58.52	538.9	56.73	527.4	55.15	529.3	53.58	505.7	48.05
		167.4	570.6	60.39	556.7	58.52	545.3	56.73	533.4	55.15	535.2	53.58	511.2	48.05
		182.4	576.9	60.39	563.0	58.52	551.6	56.73	539.2	55.15	541.0	53.58	516.6	48.05
	41	60.9	788.7	64.04	776.8	62.47	760.6	60.87	741.4	59.15	721.5	57.52	681.8	51.51
		76.2	791.5	64.33	778.2	62.76	760.7	61.18	741.4	59.46	721.5	57.81	681.8	51.78
		152.1	802.3	65.48	783.6	63.90	761.3	62.40	741.4	60.68	721.5	58.95	681.8	52.86
		167.4	806.0	65.81	785.5	64.23	761.3	62.72	741.4	61.00	721.5	59.28	681.8	53.13
		182.4	809.6	66.13	787.3	64.55	761.3	63.04	741.4	61.32	721.5	59.60	681.8	53.40
	50	60.9	789.8	58.27	777.0	56.32	758.3	55.26	738.4	54.02	718.8	52.18	679.0	47.09
		76.2	794.5	58.17	780.6	56.37	761.3	55.37	741.4	54.01	721.5	52.14	681.8	47.05
		152.1	813.2	57.74	795.1	56.59	773.4	55.80	753.5	53.93	732.4	52.00	692.6	46.91
		167.4	816.4	58.34	799.2	57.19	777.0	55.96	756.2	54.10	736.0	52.65	695.8	48.60
		182.4	819.5	58.92	803.2	57.77	780.6	56.12	758.9	54.26	739.6	53.29	699.0	50.25
	59	60.9	790.9	52.52	777.1	50.28	755.2	49.74	735.3	48.92	716.1	46.84	676.3	42.68
		76.2	797.5	52.00	783.0	50.06	761.3	49.63	741.4	48.55	721.5	46.48	681.8	42.32
		152.1	823.4	49.92	806.5	49.20	785.4	49.20	765.5	47.12	743.2	45.04	703.5	40.88
		167.4	826.6	50.84	812.5	50.07	792.7	49.20	771.5	47.12	751.0	46.02	709.9	44.04
		182.4	829.8	51.75	818.3	50.93	799.9	49.20	777.3	47.12	758.7	46.98	716.1	47.14
	68	60.9	821.1	48.18	806.0	45.94	784.8	44.93	763.1	43.50	740.9	42.53	696.9	41.22
		76.2	827.6	47.84	812.6	45.90	790.9	44.90	769.2	43.68	747.5	42.82	703.5	40.88
		152.1	853.6	46.48	838.5	45.76	815.0	44.75	793.3	44.40	773.4	43.96	729.4	39.52
		167.4	856.3	46.48	843.0	45.76	822.3	44.97	799.3	44.40	777.9	43.96	733.9	41.42
		182.4	859.0	46.48	847.5	45.76	829.5	45.19	805.1	44.40	782.4	43.96	738.4	43.29
	77	60.9	866.8	45.94	844.5	44.61	824.6	43.86	808.9	43.12	790.9	42.50	745.7	39.70
		76.2	866.8	45.76	844.5	44.54	824.6	43.68	808.9	42.96	790.9	42.32	745.7	39.52
		152.1	866.8	45.04	844.5	44.25	824.6	42.96	808.9	42.32	790.9	41.60	745.7	38.80
		167.4	866.8	44.55	844.5	43.38	824.6	42.47	808.9	41.77	790.9	41.05	745.7	38.31
		182.4	866.8	44.07	844.5	42.53	824.6	41.99	808.9	41.24	790.9	40.52	745.7	37.83
	86	60.9	866.8	44.76	844.5	42.53	824.6	42.14	808.9	41.04	790.9	40.60	745.7	37.78
		76.2	866.8	44.40	844.5	42.46	824.6	41.88	808.9	40.88	790.9	40.24	745.7	37.44
		152.1	866.8	42.96	844.5	42.17	824.6	40.88	808.9	40.24	790.9	38.80	745.7	36.08
		167.4	866.8	42.47	844.5	41.30	824.6	40.39	808.9	39.69	790.9	38.80	745.7	36.08
		182.4	866.8	41.99	844.5	40.45	824.6	39.91	808.9	39.16	790.9	38.80	745.7	36.08
	95	60.9	866.8	42.68	844.5	41.26	824.6	40.42	808.9	38.96	790.9	37.62	745.7	34.99
		76.2	866.8	42.32	844.5	41.02	824.6	40.24	808.9	38.80	790.9	37.44	745.7	34.64
		152.1	866.8	40.88	844.5	40.09	824.6	39.52	808.9	38.16	790.9	36.72	745.7	33.28
		167.4	866.8	40.88	844.5	39.76	824.6	38.97	808.9	37.61	790.9	36.23	745.7	33.28
		182.4	866.8	40.88	844.5	39.44	824.6	38.44	808.9	37.08	790.9	35.75	745.7	33.28
	104	60.9	866.8	41.22	844.5	39.92	824.6	39.15	808.9	37.78	790.9	36.44	745.7	32.91
		76.2	866.8	40.88	844.5	39.66	824.6	38.80	808.9	37.44	790.9	36.08	745.7	32.56
		152.1	866.8	39.52	844.5	38.66	824.6	37.44	808.9	36.08	790.9	34.64	745.7	31.20
		167.4	866.8	38.97	844.5	38.17	824.6	37.44	808.9	36.08	790.9	34.64	745.7	31.20
		182.4	866.8	38.44	844.5	37.69	824.6	37.44	808.9	36.08	790.9	34.64	745.7	31.20
	113	60.9	866.8	39.86	844.5	38.55	824.6	37.96	808.9	36.60	790.9	35.17	745.7	30.83
		76.2	866.8	39.52	844.5	38.30	824.6	37.44	808.9	36.08	790.9	34.64	745.7	30.48
		152.1	866.8	38.16	844.5	37.29	824.6	35.36	808.9	34.00	790.9	32.56	745.7	29.12
		167.4	866.8	37.07	844.5	36.58	824.6	35.91	808.9	34.49	790.9	33.11	745.7	29.12
		182.4	866.8	36.00	844.5	35.89	824.6	36.44	808.9	34.97	790.9	33.64	745.7	29.12

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	60.9	291.3	43.56	289.1	41.02	287.3	38.18	283.8	36.57	286.1	35.51	278.5	31.78
		76.2	301.4	44.32	299.0	41.81	297.2	39.02	293.6	37.37	296.0	36.29	288.1	32.49
		152.1	341.2	47.34	338.2	44.97	336.4	42.32	332.1	40.52	335.2	39.37	326.1	35.29
		167.4	368.2	49.63	365.2	47.31	362.9	44.82	358.7	42.97	361.7	41.71	351.8	37.36
		182.4	394.7	51.87	391.7	49.61	388.9	47.28	384.7	45.38	387.7	44.01	376.9	39.39
	32	60.9	520.8	59.58	508.1	57.81	497.3	55.92	487.2	53.56	487.2	52.07	464.9	46.55
		76.2	523.8	59.74	511.2	57.95	500.3	56.09	490.1	53.72	490.1	52.21	467.8	46.69
		152.1	535.9	60.39	523.2	58.52	512.4	56.73	501.5	54.36	501.5	52.79	479.2	47.26
		167.4	542.3	60.39	529.6	58.52	518.4	56.73	507.5	54.36	507.0	52.79	484.7	47.26
		182.4	548.6	60.39	535.9	58.52	524.2	56.73	513.3	54.36	512.4	52.79	490.1	47.26
	41	60.9	750.7	64.04	739.5	62.47	723.3	60.87	705.9	58.29	683.6	56.66	646.2	50.74
		76.2	753.5	64.33	740.8	62.76	723.3	61.18	705.9	58.60	683.6	56.95	646.2	50.99
		152.1	764.3	65.48	746.3	63.90	723.3	62.40	705.9	59.82	683.6	58.09	646.2	52.00
		167.4	767.5	65.81	743.1	64.23	723.3	62.72	705.9	60.14	683.6	58.42	646.2	52.27
		182.4	770.7	66.13	739.9	64.55	723.3	63.04	705.9	60.46	683.6	58.74	646.2	52.54
	50	60.9	753.6	57.54	739.6	55.94	721.4	54.81	703.9	53.14	681.7	51.39	644.5	46.21
		76.2	757.1	57.74	742.6	56.16	723.3	55.01	705.9	53.22	683.6	51.35	646.2	46.26
		152.1	771.0	58.52	754.7	57.02	731.2	55.80	713.7	53.50	690.8	51.21	652.8	46.48
		167.4	774.2	58.36	752.9	57.02	733.5	55.96	716.0	53.67	693.1	51.37	655.1	47.68
		182.4	777.3	58.20	751.1	57.02	735.7	56.12	718.2	53.83	695.3	51.53	657.4	48.85
	59	60.9	755.7	51.03	740.5	49.52	719.2	48.75	701.9	48.02	680.1	46.10	642.7	41.78
		76.2	760.1	51.14	745.0	49.63	723.3	48.84	705.9	47.84	683.6	45.76	646.2	41.60
		152.1	777.6	51.57	763.1	50.06	739.6	49.20	721.5	47.12	697.4	44.40	660.1	40.88
		167.4	780.8	50.97	762.6	49.73	744.2	49.20	726.1	47.12	702.0	44.40	664.6	43.01
		182.4	783.9	50.38	762.2	49.41	748.7	49.20	730.6	47.12	706.5	44.40	669.1	45.09
	68	60.9	776.8	45.90	762.2	43.95	739.1	42.78	718.8	42.15	695.4	41.63	657.9	39.52
		76.2	781.8	45.90	766.7	44.11	743.2	42.96	723.3	42.32	699.8	41.60	661.9	39.37
		152.1	801.7	45.90	784.8	44.75	759.5	43.68	741.4	42.96	717.3	41.45	677.5	38.80
		167.4	804.5	45.57	784.3	44.48	764.1	43.68	744.6	42.96	720.5	41.56	680.7	39.89
		182.4	807.2	45.25	783.9	44.21	768.6	43.68	747.8	42.96	723.7	41.67	683.9	40.96
	77	60.9	814.5	43.41	790.9	41.38	765.5	40.59	749.3	39.70	729.4	38.96	689.6	36.26
		76.2	815.0	43.25	790.9	41.31	765.5	40.52	749.3	39.52	729.4	38.80	689.6	36.08
		152.1	816.8	42.60	790.9	41.02	765.5	40.24	749.3	38.80	729.4	38.16	689.6	35.36
		167.4	818.6	41.40	790.9	40.21	765.5	39.69	749.3	38.80	729.4	37.61	689.6	35.36
		182.4	820.4	40.23	790.9	39.41	765.5	39.16	749.3	38.80	729.4	37.08	689.6	35.36
	86	60.9	819.2	41.51	790.9	39.47	765.5	38.34	749.3	36.88	729.4	36.44	689.6	33.46
		76.2	819.2	41.17	790.9	39.23	765.5	38.16	749.3	36.72	729.4	36.08	689.6	33.28
		152.1	819.2	39.80	790.9	38.30	765.5	37.44	749.3	36.08	729.4	34.64	689.6	32.56
		167.4	819.2	38.82	790.9	37.64	765.5	36.89	749.3	36.08	729.4	34.64	689.6	32.07
		182.4	819.2	37.86	790.9	37.00	765.5	36.36	749.3	36.08	729.4	34.64	689.6	31.59
	95	60.9	819.2	39.65	790.9	37.50	765.5	36.44	749.3	34.99	729.4	33.62	689.6	30.64
		76.2	819.2	39.09	790.9	37.15	765.5	36.08	749.3	34.64	729.4	33.28	689.6	30.48
		152.1	819.2	36.86	790.9	35.79	765.5	34.64	749.3	33.28	729.4	31.92	689.6	29.84
		167.4	819.2	36.54	790.9	35.57	765.5	34.64	749.3	33.28	729.4	31.92	689.6	29.29
		182.4	819.2	36.22	790.9	35.36	765.5	34.64	749.3	33.28	729.4	31.92	689.6	28.76
	104	60.9	819.2	38.47	790.9	35.77	765.5	34.36	749.3	32.91	729.4	31.54	689.6	28.56
		76.2	819.2	37.73	790.9	35.36	765.5	34.00	749.3	32.56	729.4	31.20	689.6	28.40
		152.1	819.2	34.78	790.9	33.71	765.5	32.56	749.3	31.20	729.4	29.84	689.6	27.76
		167.4	819.2	34.46	790.9	33.38	765.5	32.56	749.3	31.20	729.4	29.84	689.6	27.21
		182.4	819.2	34.14	790.9	33.06	765.5	32.56	749.3	31.20	729.4	29.84	689.6	26.68
	113	60.9	819.2	37.29	790.9	34.05	765.5	32.28	749.3	30.83	729.4	29.46	689.6	26.48
		76.2	819.2	36.36	790.9	33.57	765.5	31.92	749.3	30.48	729.4	29.12	689.6	26.32
		152.1	819.2	32.70	790.9	31.63	765.5	30.48	749.3	29.12	729.4	27.76	689.6	25.68
		167.4	819.2	32.38	790.9	31.20	765.5	30.48	749.3	29.12	729.4	27.76	689.6	25.13
		182.4	819.2	32.06	790.9	30.77	765.5	30.48	749.3	29.12	729.4	27.76	689.6	24.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA



ARWM576DAS5

576,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	23	60.9	275.7	44.14	273.9	41.02	272.1	38.18	269.2	36.57	270.0	35.51	263.9	31.78
		76.2	285.1	44.90	283.3	41.81	281.5	39.02	278.5	37.37	279.1	36.29	273.1	32.49
		152.1	322.5	47.91	320.7	44.97	318.9	42.32	315.3	40.52	315.3	39.37	309.2	35.29
		167.4	348.2	50.25	345.8	47.31	344.0	44.82	340.4	42.97	340.4	41.71	333.5	37.36
		182.4	373.3	52.55	370.5	49.61	368.7	47.28	365.1	45.38	365.1	44.01	357.3	39.39
	32	60.9	492.6	60.39	481.8	57.81	471.7	55.92	462.6	53.56	458.4	52.07	441.1	46.55
		76.2	495.5	60.53	484.6	57.95	474.4	56.09	465.4	53.72	461.1	52.21	443.7	46.69
		152.1	506.9	61.11	496.1	58.52	485.2	56.73	476.2	54.36	472.0	52.79	453.9	47.26
		167.4	512.9	61.11	502.1	58.52	491.2	56.73	481.7	54.36	477.5	52.79	458.9	47.26
		182.4	518.7	61.11	507.9	58.52	497.0	56.73	487.1	54.36	482.9	52.79	463.9	47.26
	41	60.9	718.5	64.90	701.5	62.47	685.2	60.87	669.7	58.29	643.8	56.66	612.4	50.74
		76.2	720.9	65.19	702.9	62.76	685.4	61.18	669.7	58.60	643.8	56.95	612.4	50.99
		152.1	730.6	66.34	708.3	63.90	686.0	62.40	669.7	59.82	643.8	58.09	612.4	52.00
		167.4	733.8	66.67	709.7	64.23	686.0	62.72	669.7	60.14	643.8	58.42	612.4	52.27
		182.4	736.9	66.99	711.0	64.55	686.0	63.04	669.7	60.46	643.8	58.74	612.4	52.54
	50	60.9	721.2	58.20	703.4	56.21	684.3	54.99	668.6	53.14	642.7	51.39	611.7	46.21
		76.2	724.0	58.31	705.3	56.37	685.4	55.15	669.7	53.22	643.8	51.35	612.4	46.26
		152.1	734.8	58.74	712.5	57.02	689.6	55.80	673.9	53.50	648.0	51.21	615.4	46.48
		167.4	738.0	58.74	714.8	57.02	691.4	55.69	674.8	53.39	648.9	51.37	616.8	46.86
		182.4	741.1	58.74	717.0	57.02	693.2	55.58	675.7	53.29	649.8	51.53	618.2	47.23
	59	60.9	723.3	51.50	704.5	50.06	684.0	49.20	667.7	48.02	641.6	46.10	610.9	41.78
		76.2	726.4	51.42	707.1	50.06	686.0	49.20	669.7	47.84	643.8	45.76	612.4	41.60
		152.1	738.4	51.14	717.3	50.06	693.8	49.20	677.5	47.12	652.2	44.40	618.5	40.88
		167.4	741.6	50.87	720.1	49.73	696.6	48.71	679.4	46.63	653.6	44.40	621.2	41.43
		182.4	744.8	50.60	722.8	49.41	699.3	48.23	681.2	46.15	654.9	44.40	623.9	41.96
	68	60.9	736.9	44.45	716.7	43.39	693.6	42.32	674.9	41.60	650.2	40.42	616.0	37.80
		76.2	740.8	44.54	719.1	43.39	695.6	42.32	677.5	41.60	652.2	40.24	618.5	37.73
		152.1	756.5	44.90	728.8	43.39	703.5	42.32	687.8	41.60	660.1	39.52	628.1	37.44
		167.4	759.7	44.90	733.3	43.39	706.7	42.32	689.2	41.05	662.8	39.52	629.5	37.44
		182.4	762.8	44.90	737.8	43.39	709.8	42.32	690.5	40.52	665.5	39.52	630.8	37.44
	77	60.9	759.8	40.45	737.2	38.96	707.7	38.34	692.0	36.88	667.9	35.54	632.3	32.56
		76.2	761.3	40.38	737.2	38.80	707.7	38.16	692.0	36.72	667.9	35.36	632.3	32.56
		152.1	767.4	40.09	737.2	38.16	707.7	37.44	692.0	36.08	667.9	34.64	632.3	32.56
		167.4	770.1	40.09	737.2	38.27	707.7	36.89	692.0	36.08	667.9	34.15	632.3	32.07
		182.4	772.8	40.09	737.2	38.37	707.7	36.36	692.0	36.08	667.9	33.67	632.3	31.59
	86	60.9	771.0	36.88	737.2	35.54	707.7	34.18	692.0	33.46	667.9	31.38	632.3	29.30
		76.2	771.0	36.72	737.2	35.36	707.7	34.00	692.0	33.28	667.9	31.20	632.3	29.12
		152.1	771.0	36.08	737.2	34.64	707.7	33.28	692.0	32.56	667.9	30.48	632.3	28.40
		167.4	771.0	35.86	737.2	34.15	707.7	32.73	692.0	32.07	667.9	30.48	632.3	28.40
		182.4	771.0	35.64	737.2	33.67	707.7	32.20	692.0	31.59	667.9	30.48	632.3	28.40
	95	60.9	771.0	34.99	737.2	32.72	707.7	31.38	692.0	30.02	667.9	28.56	632.3	26.48
		76.2	771.0	34.64	737.2	32.56	707.7	31.20	692.0	29.84	667.9	28.40	632.3	26.32
		152.1	771.0	33.28	737.2	31.92	707.7	30.48	692.0	29.12	667.9	27.76	632.3	25.68
		167.4	771.0	32.62	737.2	31.37	707.7	29.99	692.0	29.12	667.9	27.76	632.3	25.68
		182.4	771.0	31.98	737.2	30.84	707.7	29.51	692.0	29.12	667.9	27.76	632.3	25.68
	104	60.9	771.0	32.91	737.2	31.54	707.7	29.46	692.0	27.94	667.9	26.48	632.3	24.40
		76.2	771.0	32.56	737.2	31.20	707.7	29.12	692.0	27.76	667.9	26.32	632.3	24.24
		152.1	771.0	31.20	737.2	29.84	707.7	27.76	692.0	27.04	667.9	25.68	632.3	23.60
		167.4	771.0	30.87	737.2	29.29	707.7	27.76	692.0	26.49	667.9	25.13	632.3	23.05
		182.4	771.0	30.55	737.2	28.76	707.7	27.76	692.0	25.96	667.9	24.60	632.3	22.52
	113	60.9	771.0	30.83	737.2	30.36	707.7	27.56	692.0	25.86	667.9	24.40	632.3	22.32
		76.2	771.0	30.48	737.2	29.84	707.7	27.04	692.0	25.68	667.9	24.24	632.3	22.16
		152.1	771.0	29.12	737.2	27.76	707.7	24.96	692.0	24.96	667.9	23.60	632.3	21.52
		167.4	771.0	29.12	737.2	27.21	707.7	25.51	692.0	23.92	667.9	22.51	632.3	20.43
		182.4	771.0	29.12	737.2	26.68	707.7	26.04	692.0	22.91	667.9	21.44	632.3	19.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	60.9	260.5	44.14	258.7	41.59	257.6	38.18	255.3	36.57	252.9	34.94	248.1	31.78
		76.2	269.4	44.90	267.6	42.39	266.4	39.02	264.0	37.37	261.6	35.72	256.8	32.49
		152.1	305.0	47.91	303.2	45.54	301.4	42.32	298.4	40.52	296.0	38.80	291.1	35.29
		167.4	329.3	50.25	327.0	47.94	325.2	44.82	322.2	42.97	319.8	41.09	314.0	37.36
		182.4	353.1	52.55	350.3	50.29	348.5	47.28	345.5	45.38	343.1	43.33	336.5	39.39
	32	60.9	465.6	60.39	455.4	58.59	445.9	55.92	438.1	53.56	430.2	51.28	415.3	46.55
		76.2	468.4	60.53	458.1	58.74	448.5	56.09	440.6	53.72	432.8	51.42	417.7	46.69
		152.1	479.2	61.11	469.0	59.31	458.7	56.73	450.9	54.36	443.1	52.00	427.4	47.26
		167.4	484.7	61.11	474.5	59.31	464.2	56.73	455.9	54.36	448.1	52.00	432.4	47.26
	41	60.9	687.2	64.90	664.3	63.33	647.2	60.87	634.1	58.29	604.0	55.80	576.3	50.74
		76.2	689.6	65.19	665.5	63.62	647.4	61.18	634.1	58.60	604.0	56.09	576.3	50.99
		152.1	699.2	66.34	670.3	64.76	648.0	62.40	634.1	59.82	604.0	57.23	576.3	52.00
		167.4	702.4	66.67	671.7	65.09	648.0	62.72	634.1	60.14	604.0	57.50	576.3	52.27
	50	60.9	690.9	58.04	666.4	56.77	648.0	54.99	634.1	53.14	604.0	50.51	576.3	46.21
		76.2	692.6	58.31	667.3	56.95	648.0	55.15	634.1	53.22	604.0	50.56	576.3	46.26
		152.1	699.2	59.38	670.9	57.66	648.0	55.80	634.1	53.50	604.0	50.78	576.3	46.48
		167.4	702.9	59.22	673.2	57.66	648.0	55.69	634.1	53.39	604.0	50.67	576.3	46.31
	59	60.9	694.7	51.17	669.2	50.31	648.0	49.20	634.1	48.02	604.0	45.20	576.3	41.78
		76.2	695.6	51.42	669.7	50.35	648.0	49.20	634.1	47.84	604.0	45.04	576.3	41.60
		152.1	699.2	52.43	671.5	50.49	648.0	49.20	634.1	47.12	604.0	44.40	576.3	40.88
		167.4	703.8	51.77	674.2	50.16	648.0	48.71	634.1	46.63	604.0	43.85	576.3	40.39
	68	60.9	698.5	43.77	672.9	42.64	648.0	41.60	634.1	41.04	604.0	38.34	576.3	36.44
		76.2	701.0	43.96	673.3	42.67	648.0	41.60	634.1	40.88	604.0	38.16	576.3	36.08
		152.1	711.3	44.75	675.1	42.82	648.0	41.60	634.1	40.24	604.0	37.44	576.3	34.64
		167.4	714.5	44.15	679.7	42.55	648.0	41.05	634.1	39.69	604.0	36.89	576.3	34.15
	77	60.9	706.9	38.26	683.6	37.06	648.0	35.54	634.1	34.18	604.0	32.10	576.3	29.12
		76.2	709.5	38.30	683.6	36.86	648.0	35.36	634.1	34.00	604.0	31.92	576.3	29.12
		152.1	719.7	38.44	683.6	36.08	648.0	34.64	634.1	33.28	604.0	31.20	576.3	29.12
		167.4	722.5	37.79	683.6	35.86	648.0	34.15	634.1	32.73	604.0	31.20	576.3	28.57
	86	60.9	723.3	34.80	683.6	32.10	648.0	29.91	634.1	29.30	604.0	27.04	576.3	25.86
		76.2	723.3	34.64	683.6	31.92	648.0	29.84	634.1	29.12	604.0	27.04	576.3	25.68
		152.1	723.3	34.00	683.6	31.20	648.0	29.55	634.1	28.40	604.0	27.04	576.3	24.96
		167.4	723.3	33.45	683.6	31.20	648.0	29.22	634.1	28.40	604.0	26.49	576.3	24.96
	95	60.9	723.3	32.28	683.6	29.46	648.0	26.39	634.1	25.86	604.0	24.40	576.3	22.32
		76.2	723.3	31.92	683.6	29.12	648.0	26.32	634.1	25.68	604.0	24.24	576.3	22.16
		152.1	723.3	30.48	683.6	27.76	648.0	26.03	634.1	24.96	604.0	23.60	576.3	21.52
		167.4	723.3	30.48	683.6	27.76	648.0	25.76	634.1	24.96	604.0	23.60	576.3	21.52
	104	60.9	723.3	30.20	683.6	27.38	648.0	23.67	634.1	23.06	604.0	21.70	576.3	20.24
		76.2	723.3	29.84	683.6	27.04	648.0	23.60	634.1	22.88	604.0	21.52	576.3	20.08
		152.1	723.3	28.40	683.6	25.68	648.0	23.31	634.1	22.16	604.0	20.80	576.3	19.44
		167.4	723.3	27.91	683.6	25.68	648.0	22.98	634.1	22.16	604.0	20.80	576.3	19.44
	113	60.9	723.3	28.12	683.6	25.30	648.0	20.87	634.1	20.24	604.0	18.90	576.3	18.16
		76.2	723.3	27.76	683.6	24.96	648.0	20.80	634.1	20.08	604.0	18.72	576.3	18.00
		152.1	723.3	26.32	683.6	23.60	648.0	20.51	634.1	19.44	604.0	18.00	576.3	17.36
		167.4	723.3	25.28	683.6	23.60	648.0	20.18	634.1	19.44	604.0	18.00	576.3	17.36
		182.4	723.3	24.27	683.6	23.60	648.0	19.86	634.1	19.44	604.0	18.00	576.3	17.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM576DAS5

576,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	60.9	245.9	40.96	238.3	37.31	231.4	32.77	229.6	31.23	227.8	30.10	223.9	27.01
		76.2	254.4	41.67	246.5	38.01	239.3	33.49	237.5	31.92	235.7	30.77	231.5	27.61
		152.1	288.1	44.47	279.1	40.81	270.7	36.36	268.8	34.64	267.0	33.42	261.6	29.98
		167.4	311.0	46.59	301.1	42.99	292.2	38.54	289.9	36.71	288.1	35.38	282.7	31.78
	32	182.4	333.5	48.67	322.6	45.12	313.3	40.68	310.5	38.74	308.7	37.30	303.3	33.54
		60.9	439.9	55.80	419.5	52.35	400.2	48.07	394.4	45.85	387.7	44.12	373.3	39.62
		76.2	442.4	55.94	422.0	52.50	402.7	48.20	396.6	45.97	390.0	44.25	375.5	39.73
		152.1	452.7	56.52	431.6	53.07	412.3	48.70	405.7	46.48	399.0	44.75	384.6	40.16
		167.4	457.7	56.52	436.6	53.07	417.3	48.70	410.2	46.48	404.0	44.75	389.1	40.16
	41	182.4	462.7	56.52	441.6	53.07	422.3	48.70	414.7	46.48	409.0	44.75	393.6	40.16
		60.9	621.5	59.90	601.4	56.53	582.3	52.32	570.2	49.88	544.9	48.01	519.0	43.10
		76.2	622.1	60.17	601.0	56.80	582.3	52.57	570.2	50.13	544.9	48.27	519.0	43.32
		152.1	624.5	61.25	599.2	57.88	582.3	53.58	570.2	51.14	544.9	49.27	519.0	44.18
		167.4	627.2	61.52	600.6	58.15	582.3	53.90	570.2	51.41	544.9	49.54	519.0	44.45
	50	182.4	629.9	61.79	601.9	58.42	582.3	54.22	570.2	51.68	544.9	49.81	519.0	44.72
		60.9	624.8	52.89	603.6	50.29	582.3	47.35	570.2	45.42	544.9	43.57	519.0	39.27
		76.2	624.5	52.93	602.8	50.35	582.3	47.41	570.2	45.47	544.9	43.53	519.0	39.30
		152.1	623.3	53.07	599.8	50.56	582.3	47.62	570.2	45.69	544.9	43.39	519.0	39.45
	59	167.4	626.5	52.96	601.2	50.45	582.3	47.51	570.2	45.58	544.9	43.50	519.0	39.56
		182.4	629.6	52.86	602.5	50.35	582.3	47.41	570.2	45.47	544.9	43.61	519.0	39.66
		60.9	628.0	45.80	605.7	44.15	582.3	42.50	570.2	41.04	544.9	39.15	519.0	35.54
		76.2	626.9	45.61	604.6	43.96	582.3	42.32	570.2	40.88	544.9	38.80	519.0	35.36
	68	152.1	622.7	44.90	600.4	43.25	582.3	41.60	570.2	40.24	544.9	37.44	519.0	34.64
		167.4	625.9	44.41	601.8	42.76	582.3	41.05	570.2	39.69	544.9	37.44	519.0	34.64
		182.4	629.0	43.93	603.1	42.28	582.3	40.52	570.2	39.16	544.9	37.44	519.0	34.64
		60.9	631.7	38.66	608.2	37.55	582.3	36.26	570.2	34.80	544.9	33.62	519.0	31.54
	77	76.2	631.1	38.66	607.0	37.44	582.3	36.08	570.2	34.64	544.9	33.28	519.0	31.20
		152.1	628.7	38.66	602.2	37.01	582.3	35.36	570.2	34.00	544.9	31.92	519.0	29.84
		167.4	630.1	38.17	603.6	36.79	582.3	35.36	570.2	34.00	544.9	31.92	519.0	29.84
		182.4	631.4	37.69	604.9	36.58	582.3	35.36	570.2	34.00	544.9	31.92	519.0	29.84
	86	60.9	642.3	33.78	616.1	31.99	582.3	30.64	570.2	29.12	544.9	27.94	519.0	25.86
		76.2	643.8	33.71	616.1	31.92	582.3	30.48	570.2	29.12	544.9	27.76	519.0	25.68
		152.1	649.8	33.42	616.1	31.63	582.3	29.84	570.2	29.12	544.9	27.04	519.0	24.96
		167.4	651.6	32.77	616.1	31.08	582.3	29.84	570.2	28.57	544.9	27.04	519.0	24.96
	95	182.4	653.4	32.13	616.1	30.55	582.3	29.84	570.2	28.04	544.9	27.04	519.0	24.96
		60.9	652.2	30.64	616.1	28.56	582.3	26.48	570.2	25.86	544.9	24.40	519.0	22.16
		76.2	652.2	30.48	616.1	28.40	582.3	26.32	570.2	25.68	544.9	24.24	519.0	22.16
		152.1	652.2	29.84	616.1	27.76	582.3	25.68	570.2	24.96	544.9	23.60	519.0	22.16
	104	167.4	652.2	29.29	616.1	27.21	582.3	25.68	570.2	24.96	544.9	23.60	519.0	21.67
		182.4	652.2	28.76	616.1	26.68	582.3	25.68	570.2	24.96	544.9	23.60	519.0	21.19
		60.9	652.2	27.94	616.1	25.86	582.3	23.78	570.2	23.06	544.9	21.70	519.0	20.24
		76.2	652.2	27.76	616.1	25.68	582.3	23.60	570.2	22.88	544.9	21.52	519.0	20.08
	113	152.1	652.2	27.04	616.1	24.96	582.3	22.88	570.2	22.16	544.9	20.80	519.0	19.44
		167.4	652.2	26.49	616.1	24.41	582.3	22.33	570.2	21.67	544.9	20.80	519.0	19.44
		182.4	652.2	25.96	616.1	23.88	582.3	21.80	570.2	21.19	544.9	20.80	519.0	19.44
		60.9	652.2	26.04	616.1	23.78	582.3	20.98	570.2	20.24	544.9	19.62	519.0	18.16
	121	76.2	652.2	25.68	616.1	23.60	582.3	20.80	570.2	20.08	544.9	19.44	519.0	18.00
		152.1	652.2	24.24	616.1	22.88	582.3	20.08	570.2	19.44	544.9	18.72	519.0	17.36
		167.4	652.2	24.24	616.1	22.88	582.3	20.08	570.2	19.44	544.9	18.72	519.0	17.36
		182.4	652.2	24.24	616.1	22.88	582.3	20.08	570.2	19.44	544.9	18.72	519.0	17.36
	129	60.9	652.2	24.12	616.1	21.70	582.3	18.16	570.2	17.54	544.9	17.54	519.0	16.09
		76.2	652.2	23.60	616.1	21.52	582.3	18.00	570.2	17.36	544.9	17.36	519.0	15.92
		152.1	652.2	21.52	616.1	20.80	582.3	17.36	570.2	16.64	544.9	16.64	519.0	15.28
		167.4	652.2	22.01	616.1	21.35	582.3	17.85	570.2	17.19	544.9	16.64	519.0	15.28
	137	182.4	652.2	22.49	616.1	21.88	582.3	18.33	570.2	17.72	544.9	16.64	519.0	15.28

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	60.9	232.6	29.18	218.0	28.07	206.4	26.89	204.0	25.98	202.8	24.77	198.7	22.82
		76.2	240.5	29.84	225.4	28.69	213.4	27.47	211.0	26.54	209.8	25.32	205.6	23.31
		152.1	271.9	32.42	255.0	31.13	241.1	29.76	238.7	28.76	237.5	27.47	232.7	25.25
		167.4	293.9	34.32	275.1	32.98	260.3	31.56	257.5	30.50	256.3	29.10	251.0	26.77
	32	182.4	315.4	36.19	294.9	34.79	279.2	33.32	275.9	32.21	274.7	30.70	268.9	28.27
		60.9	415.1	42.83	382.9	41.11	356.5	39.41	349.9	38.05	345.1	36.25	332.0	33.40
		76.2	417.7	42.96	385.2	41.24	358.7	39.52	352.0	38.16	347.2	36.36	333.9	33.49
		152.1	428.0	43.46	394.2	41.74	367.1	39.95	360.5	38.59	355.6	36.79	341.8	33.85
	41	167.4	432.5	43.46	398.8	41.74	371.7	39.95	364.6	38.59	359.7	36.79	345.9	33.85
		182.4	437.0	43.46	403.3	41.74	376.2	39.95	368.6	38.59	363.8	36.79	349.9	33.85
		60.9	574.4	46.58	542.0	44.82	518.2	42.80	506.9	41.38	485.2	39.46	461.1	36.31
		76.2	575.7	46.83	543.1	45.04	518.4	43.03	506.9	41.60	485.2	39.66	461.1	36.51
	50	152.1	580.5	47.84	547.3	45.90	519.0	43.96	506.9	42.46	485.2	40.45	461.1	37.29
		167.4	580.5	48.06	546.8	46.17	519.0	44.18	506.9	42.68	485.2	40.67	461.1	37.46
		182.4	580.5	48.27	546.4	46.44	519.0	44.40	506.9	42.89	485.2	40.88	461.1	37.62
		60.9	577.5	42.87	544.3	40.94	518.2	38.85	506.9	37.78	485.2	35.77	461.1	33.12
	59	76.2	578.1	42.82	544.9	40.88	518.4	38.87	506.9	37.80	485.2	35.79	461.1	33.13
		152.1	580.5	42.60	547.3	40.67	519.0	38.94	506.9	37.87	485.2	35.86	461.1	33.21
		167.4	580.5	42.49	546.8	40.78	519.0	39.05	506.9	37.70	485.2	35.70	461.1	33.04
		182.4	580.5	42.39	546.4	40.88	519.0	39.16	506.9	37.54	485.2	35.54	461.1	32.88
	68	60.9	580.5	39.15	546.7	37.07	519.0	34.80	506.9	34.18	485.2	32.10	461.1	30.02
		76.2	580.5	38.80	546.7	36.72	519.0	34.64	506.9	34.00	485.2	31.92	461.1	29.84
		152.1	580.5	37.44	546.7	35.36	519.0	34.00	506.9	33.28	485.2	31.20	461.1	29.12
		167.4	580.5	36.89	546.7	35.36	519.0	34.00	506.9	32.73	485.2	30.65	461.1	28.57
	77	182.4	580.5	36.36	546.7	35.36	519.0	34.00	506.9	32.20	485.2	30.12	461.1	28.04
		60.9	580.5	32.72	546.7	31.38	519.0	29.84	506.9	29.30	485.2	27.94	461.1	25.86
		76.2	580.5	32.56	546.7	31.20	519.0	29.84	506.9	29.12	485.2	27.76	461.1	25.68
		152.1	580.5	31.92	546.7	30.48	519.0	29.84	506.9	28.40	485.2	27.04	461.1	24.96
	86	167.4	580.5	31.37	546.7	29.99	519.0	29.29	506.9	28.40	485.2	26.49	461.1	24.96
		182.4	580.5	30.84	546.7	29.51	519.0	28.76	506.9	28.40	485.2	25.96	461.1	24.96
		60.9	580.5	29.30	546.7	27.22	519.0	25.68	506.9	25.14	485.2	23.78	461.1	22.32
		76.2	580.5	29.12	546.7	27.04	519.0	25.68	506.9	24.96	485.2	23.60	461.1	22.16
	95	152.1	580.5	28.40	546.7	26.32	519.0	25.68	506.9	24.24	485.2	22.88	461.1	21.52
		167.4	580.5	27.91	546.7	26.32	519.0	25.13	506.9	24.24	485.2	22.88	461.1	21.52
		182.4	580.5	27.43	546.7	26.32	519.0	24.60	506.9	24.24	485.2	22.88	461.1	21.52
		60.9	580.5	25.86	546.7	24.40	519.0	23.06	506.9	22.32	485.2	20.98	461.1	19.62
	104	76.2	580.5	25.68	546.7	24.24	519.0	22.88	506.9	22.16	485.2	20.80	461.1	19.44
		152.1	580.5	24.96	546.7	23.60	519.0	22.16	506.9	21.52	485.2	20.08	461.1	18.72
		167.4	580.5	24.96	546.7	23.60	519.0	22.16	506.9	21.52	485.2	20.08	461.1	18.72
		182.4	580.5	24.96	546.7	23.60	519.0	22.16	506.9	21.52	485.2	20.08	461.1	18.72
	113	60.9	580.5	23.78	546.7	22.32	519.0	20.24	506.9	19.44	485.2	18.90	461.1	17.36
		76.2	580.5	23.60	546.7	22.16	519.0	20.08	506.9	19.44	485.2	18.72	461.1	17.36
		152.1	580.5	22.88	546.7	21.52	519.0	19.44	506.9	19.44	485.2	18.00	461.1	17.36
		167.4	580.5	22.88	546.7	20.97	519.0	19.44	506.9	18.89	485.2	18.00	461.1	16.81
	122	182.4	580.5	22.88	546.7	20.44	519.0	19.44	506.9	18.36	485.2	18.00	461.1	16.28
		60.9	580.5	22.51	546.7	20.24	519.0	18.00	506.9	18.16	485.2	16.64	461.1	16.09
		76.2	580.5	22.16	546.7	20.08	519.0	18.00	506.9	18.00	485.2	16.64	461.1	15.92
		152.1	580.5	20.80	546.7	19.44	519.0	18.00	506.9	17.36	485.2	16.64	461.1	15.28
	131	167.4	580.5	20.80	546.7	19.44	519.0	17.51	506.9	17.36	485.2	16.64	461.1	15.28
		182.4	580.5	20.80	546.7	19.44	519.0	17.03	506.9	17.36	485.2	16.64	461.1	15.28
		60.9	580.5	21.32	546.7	18.16	519.0	15.74	506.9	16.98	485.2	14.38	461.1	14.90
		76.2	580.5	20.80	546.7	18.00	519.0	15.92	506.9	16.64	485.2	14.56	461.1	14.56
	140	152.1	580.5	18.72	546.7	17.36	519.0	16.64	506.9	15.28	485.2	15.28	461.1	13.20
		167.4	580.5	18.72	546.7	17.85	519.0	15.60	506.9	15.77	485.2	15.28	461.1	13.69
	149	182.4	580.5	18.72	546.7	18.33	519.0	14.59	506.9	16.25	485.2	15.28	461.1	14.17

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.



# HEATING CAPACITY DATA



ARWM576DAS5

576,000 Btu/h, 460V Heat Pump/Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	60.9	202.8	25.06	190.6	23.86	180.2	23.09	178.4	21.76	177.2	20.99	174.3	19.09
		76.2	209.8	25.60	197.1	24.39	186.3	23.60	184.5	22.23	183.2	21.44	180.2	19.51
		152.1	237.5	27.76	223.0	26.46	210.4	25.60	208.6	24.10	207.4	23.24	203.7	21.16
		167.4	256.7	29.45	240.9	28.04	227.3	27.12	225.5	25.51	223.9	24.65	219.8	22.41
		182.4	275.6	31.10	258.4	29.59	243.9	28.62	242.1	26.90	240.0	26.04	235.5	23.64
	32	60.9	363.2	36.68	335.6	34.98	311.6	33.82	306.2	31.83	301.4	30.75	290.7	27.97
		76.2	365.3	36.79	337.6	35.07	313.5	33.92	308.0	31.92	303.2	30.84	292.4	28.04
		152.1	373.7	37.22	345.4	35.43	320.7	34.35	315.3	32.27	310.4	31.20	299.0	28.33
		167.4	377.8	37.22	349.5	35.43	324.3	34.35	318.9	32.27	314.1	31.20	302.6	28.33
		182.4	381.9	37.22	353.6	35.43	327.9	34.35	322.5	32.27	317.7	31.20	306.2	28.33
	41	60.9	501.7	39.96	475.3	38.03	452.5	36.81	443.1	34.69	423.2	33.46	403.3	30.39
		76.2	502.7	40.16	476.2	38.23	452.7	37.01	443.1	34.86	423.2	33.64	403.3	30.55
		152.1	506.9	40.95	479.8	39.02	453.3	37.80	443.1	35.50	423.2	34.35	403.3	31.20
		167.4	506.9	41.17	479.3	39.24	453.3	38.02	443.1	35.72	423.2	34.52	403.3	31.36
		182.4	506.9	41.38	478.9	39.45	453.3	38.23	443.1	35.93	423.2	34.68	403.3	31.52
	50	60.9	503.9	36.79	477.0	34.79	453.3	33.49	443.1	31.63	423.2	30.34	403.3	27.76
		76.2	504.5	36.72	477.4	34.71	453.3	33.42	443.1	31.63	423.2	30.34	403.3	27.76
		152.1	506.9	36.43	479.2	34.43	453.3	33.13	443.1	31.63	423.2	30.34	403.3	27.76
		167.4	506.9	36.54	479.2	34.54	453.3	33.24	443.1	31.74	423.2	30.17	403.3	27.81
		182.4	506.9	36.65	479.2	34.64	453.3	33.35	443.1	31.84	423.2	30.01	403.3	27.86
	59	60.9	506.9	33.62	479.2	31.54	453.3	30.20	443.1	28.56	423.2	27.22	403.3	25.14
		76.2	506.9	33.28	479.2	31.20	453.3	29.84	443.1	28.40	423.2	27.04	403.3	24.96
		152.1	506.9	31.92	479.2	29.84	453.3	28.40	443.1	27.76	423.2	26.32	403.3	24.24
		167.4	506.9	31.92	479.2	29.84	453.3	28.40	443.1	27.76	423.2	25.83	403.3	24.24
		182.4	506.9	31.92	479.2	29.84	453.3	28.40	443.1	27.76	423.2	25.35	403.3	24.24
	68	60.9	506.9	27.94	479.2	26.48	453.3	25.86	443.1	25.14	423.2	23.78	403.3	22.32
		76.2	506.9	27.76	479.2	26.32	453.3	25.68	443.1	24.96	423.2	23.60	403.3	22.16
		152.1	506.9	27.04	479.2	25.68	453.3	24.96	443.1	24.24	423.2	22.88	403.3	21.52
		167.4	506.9	27.04	479.2	25.68	453.3	24.96	443.1	23.75	423.2	22.88	403.3	20.97
		182.4	506.9	27.04	479.2	25.68	453.3	24.96	443.1	23.27	423.2	22.88	403.3	20.44
	77	60.9	506.9	25.14	479.2	23.78	453.3	22.32	443.1	21.70	423.2	20.08	403.3	18.72
		76.2	506.9	24.96	479.2	23.60	453.3	22.16	443.1	21.52	423.2	20.08	403.3	18.72
		152.1	506.9	24.24	479.2	22.88	453.3	21.52	443.1	20.80	423.2	20.08	403.3	18.72
		167.4	506.9	23.75	479.2	22.33	453.3	21.52	443.1	20.80	423.2	19.59	403.3	18.72
		182.4	506.9	23.27	479.2	21.80	453.3	21.52	443.1	20.80	423.2	19.11	403.3	18.72
	86	60.9	506.9	22.32	479.2	20.98	453.3	19.62	443.1	18.72	423.2	18.16	403.3	16.64
		76.2	506.9	22.16	479.2	20.80	453.3	19.44	443.1	18.72	423.2	18.00	403.3	16.64
		152.1	506.9	21.52	479.2	20.08	453.3	18.72	443.1	18.72	423.2	17.36	403.3	16.64
		167.4	506.9	21.52	479.2	20.08	453.3	18.72	443.1	18.17	423.2	17.36	403.3	16.64
		182.4	506.9	21.52	479.2	20.08	453.3	18.72	443.1	17.64	423.2	17.36	403.3	16.64
	95	60.9	506.9	20.24	479.2	18.90	453.3	17.36	443.1	17.54	423.2	15.92	403.3	15.46
		76.2	506.9	20.08	479.2	18.72	453.3	17.36	443.1	17.36	423.2	15.92	403.3	15.28
		152.1	506.9	19.44	479.2	18.00	453.3	17.36	443.1	16.64	423.2	15.92	403.3	14.56
		167.4	506.9	19.44	479.2	18.00	453.3	16.81	443.1	16.64	423.2	15.92	403.3	14.56
		182.4	506.9	19.44	479.2	18.00	453.3	16.28	443.1	16.64	423.2	15.92	403.3	14.56
	104	60.9	506.9	18.90	479.2	17.54	453.3	16.09	443.1	15.28	423.2	14.56	403.3	14.01
		76.2	506.9	18.72	479.2	17.36	453.3	15.92	443.1	15.28	423.2	14.56	403.3	13.84
		152.1	506.9	18.00	479.2	16.64	453.3	15.28	443.1	15.28	423.2	14.56	403.3	13.20
		167.4	506.9	18.00	479.2	16.64	453.3	15.28	443.1	14.73	423.2	14.01	403.3	13.20
		182.4	506.9	18.00	479.2	16.64	453.3	15.28	443.1	14.20	423.2	13.48	403.3	13.20
	113	60.9	506.9	17.54	479.2	16.09	453.3	14.90	443.1	13.03	423.2	13.20	403.3	12.66
		76.2	506.9	17.36	479.2	15.92	453.3	14.56	443.1	13.20	423.2	13.20	403.3	12.48
		152.1	506.9	16.64	479.2	15.28	453.3	13.20	443.1	13.84	423.2	13.20	403.3	11.76
		167.4	506.9	16.64	479.2	15.28	453.3	13.69	443.1	12.80	423.2	12.11	403.3	11.76
		182.4	506.9	16.64	479.2	15.28	453.3	14.17	443.1	11.79	423.2	11.04	403.3	11.76

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	60.9	174.1	20.35	163.1	19.58	154.4	18.80	152.6	17.48	152.0	17.19	149.1	15.36
		76.2	180.2	20.80	168.8	20.01	159.7	19.22	157.9	17.86	157.3	17.57	154.3	15.71
		152.1	204.3	22.59	191.1	21.73	180.8	20.87	179.0	19.36	178.4	19.08	174.8	17.07
		167.4	220.4	23.90	206.2	23.04	195.4	22.12	193.2	20.56	192.6	20.22	188.5	18.05
		182.4	236.1	25.18	221.0	24.32	209.8	23.35	207.1	21.74	206.5	21.34	202.0	19.01
	32	60.9	311.6	29.82	287.1	28.76	267.8	27.52	262.5	25.60	258.9	25.24	249.4	22.54
		76.2	313.5	29.91	288.7	28.83	269.4	27.61	264.0	25.68	260.4	25.32	250.8	22.59
		152.1	320.7	30.27	295.4	29.12	276.1	27.97	270.1	25.96	266.4	25.60	256.2	22.81
		167.4	324.3	30.27	299.0	29.12	279.3	27.97	273.3	25.96	269.6	25.60	259.4	22.81
	41	60.9	430.7	32.47	406.1	31.25	389.4	29.96	379.8	27.90	363.5	27.47	346.0	24.47
		76.2	431.6	32.63	406.9	31.41	389.4	30.12	379.8	28.04	363.5	27.61	346.0	24.60
		152.1	435.2	33.28	409.9	32.06	389.4	30.77	379.8	28.62	363.5	28.19	346.0	25.10
		167.4	435.2	33.50	409.4	32.22	389.4	30.93	379.8	28.78	363.5	28.30	346.0	25.27
	50	60.9	435.2	33.71	409.0	32.38	389.4	31.09	379.8	28.94	363.5	28.40	346.0	25.43
		76.2	432.9	29.84	407.6	28.54	389.4	27.18	379.8	25.39	363.5	24.91	346.0	22.32
		152.1	435.2	29.84	409.9	28.54	389.4	27.18	379.8	25.75	363.5	24.82	346.0	22.59
		167.4	435.2	29.89	409.4	28.32	389.4	26.96	379.8	25.53	363.5	24.65	346.0	22.43
	59	60.9	435.2	29.94	409.0	28.11	389.4	26.75	379.8	25.32	363.5	24.49	346.0	22.27
		76.2	435.2	27.22	409.3	25.86	389.4	24.40	379.8	22.88	363.5	22.32	346.0	20.08
		152.1	435.2	27.04	409.3	25.68	389.4	24.24	379.8	22.88	363.5	22.16	346.0	20.08
		167.4	435.2	26.32	409.3	24.96	389.4	23.60	379.8	22.88	363.5	21.52	346.0	20.08
	68	60.9	435.2	26.32	409.3	24.41	389.4	23.05	379.8	22.33	363.5	20.97	346.0	19.59
		76.2	435.2	26.32	409.3	23.88	389.4	22.52	379.8	21.80	363.5	20.44	346.0	19.11
		152.1	435.2	23.78	409.3	22.32	389.4	20.98	379.8	20.24	363.5	19.62	346.0	18.16
		167.4	435.2	23.60	409.3	22.16	389.4	20.80	379.8	20.08	363.5	19.44	346.0	18.00
	77	60.9	435.2	22.88	409.3	21.52	389.4	20.08	379.8	19.44	363.5	18.72	346.0	17.36
		76.2	435.2	22.88	409.3	21.52	389.4	20.08	379.8	19.44	363.5	18.72	346.0	17.36
		152.1	435.2	22.88	409.3	21.52	389.4	20.08	379.8	19.44	363.5	18.72	346.0	17.36
		167.4	435.2	22.88	409.3	21.52	389.4	20.08	379.8	19.44	363.5	18.72	346.0	17.36
	86	60.9	435.2	20.98	409.3	19.62	389.4	18.00	379.8	18.16	363.5	16.64	346.0	16.09
		76.2	435.2	20.80	409.3	19.44	389.4	18.00	379.8	18.00	363.5	16.64	346.0	15.92
		152.1	435.2	20.08	409.3	18.72	389.4	18.00	379.8	17.36	363.5	16.64	346.0	15.28
		167.4	435.2	20.08	409.3	18.72	389.4	17.51	379.8	17.36	363.5	16.64	346.0	15.28
	95	60.9	435.2	20.08	409.3	18.72	389.4	17.03	379.8	17.36	363.5	16.64	346.0	15.28
		76.2	435.2	18.90	409.3	17.54	389.4	16.82	379.8	16.09	363.5	15.46	346.0	14.74
		152.1	435.2	18.72	409.3	17.36	389.4	16.64	379.8	15.92	363.5	15.28	346.0	14.56
		167.4	435.2	18.00	409.3	16.64	389.4	15.92	379.8	15.28	363.5	14.56	346.0	13.84
	104	60.9	435.2	18.00	409.3	16.64	389.4	15.92	379.8	15.28	363.5	14.56	346.0	13.84
		76.2	435.2	16.64	409.3	16.09	389.4	14.56	379.8	14.74	363.5	14.01	346.0	13.38
		152.1	435.2	16.64	409.3	15.92	389.4	14.56	379.8	14.56	363.5	13.84	346.0	13.20
		167.4	435.2	16.64	409.3	15.28	389.4	14.01	379.8	13.84	363.5	13.20	346.0	12.48
	113	60.9	435.2	16.64	409.3	15.28	389.4	13.48	379.8	13.84	363.5	13.20	346.0	12.48
		76.2	435.2	15.28	409.3	14.74	389.4	13.20	379.8	13.38	363.5	12.66	346.0	11.76
		152.1	435.2	15.28	409.3	13.84	389.4	13.20	379.8	12.48	363.5	11.76	346.0	11.76
		167.4	435.2	15.28	409.3	13.84	389.4	13.20	379.8	12.48	363.5	11.76	346.0	11.76
	122	60.9	435.2	15.28	409.3	13.84	389.4	13.20	379.8	12.48	363.5	11.76	346.0	11.76
		76.2	435.2	13.84	409.3	13.38	389.4	11.76	379.8	11.93	363.5	11.30	346.0	10.22
		152.1	435.2	13.84	409.3	13.20	389.4	11.76	379.8	11.76	363.5	11.12	346.0	10.40
		167.4	435.2	13.84	409.3	12.48	389.4	11.76	379.8	11.12	363.5	10.40	346.0	11.12
	131	60.9	435.2	13.84	409.3	12.48	389.4	12.31	379.8	11.12	363.5	10.40	346.0	11.12
		76.2	435.2	13.84	409.3	12.48	389.4	12.84	379.8	11.12	363.5	10.40	346.0	11.12

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# HEATING CAPACITY DATA

ARWM576DAS5

576,000 Btu/h, 460V Heat Pump/Heat Recovery Units



Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	60.9	145.2	16.22	136.5	15.36	128.8	14.54	127.0	13.75	126.4	12.91	124.1	12.23
		76.2	150.1	16.57	141.1	15.71	133.2	14.85	131.4	14.06	130.8	13.20	128.4	12.48
		152.1	169.4	17.93	159.1	17.07	150.7	16.07	148.9	15.28	148.3	14.34	145.3	13.48
		167.4	183.1	19.02	171.9	18.05	162.6	17.05	160.8	16.20	159.8	15.16	157.2	14.30
		182.4	196.6	20.09	184.5	19.01	174.3	18.01	172.5	17.11	171.0	15.96	168.8	15.10
	32	60.9	258.9	23.76	239.7	22.54	222.9	21.23	218.0	20.15	215.0	18.95	207.3	17.88
		76.2	260.4	23.81	241.1	22.59	224.2	21.30	219.4	20.23	216.4	19.01	208.6	17.93
		152.1	266.4	24.03	246.5	22.81	229.7	21.59	224.8	20.51	221.8	19.22	213.4	18.15
		167.4	269.6	24.03	249.3	22.81	232.0	21.59	227.6	20.51	224.1	19.22	216.1	18.15
		182.4	272.8	24.03	252.0	22.81	234.2	21.59	230.3	20.51	226.4	19.22	218.8	18.15
	41	60.9	357.9	25.84	339.4	24.47	323.5	23.11	315.9	21.98	302.0	20.64	288.1	19.40
		76.2	358.7	25.96	340.0	24.60	323.7	23.24	315.9	22.09	302.0	20.73	288.1	19.51
		152.1	361.7	26.46	342.4	25.10	324.3	23.74	315.9	22.52	302.0	21.09	288.1	19.94
		167.4	361.7	26.63	341.9	25.27	324.3	23.85	315.9	22.63	302.0	21.25	288.1	20.05
		182.4	361.7	26.79	341.5	25.43	324.3	23.96	315.9	22.74	302.0	21.41	288.1	20.15
	50	60.9	360.2	23.78	340.1	22.39	323.5	21.05	315.9	20.12	302.0	18.59	288.1	17.75
		76.2	360.5	23.74	340.6	22.38	323.7	21.01	315.9	20.08	302.0	18.65	288.1	17.72
		152.1	361.7	23.60	342.4	22.31	324.3	20.87	315.9	19.94	302.0	18.86	288.1	17.57
		167.4	361.7	23.71	341.9	22.36	324.3	20.93	315.9	20.00	302.0	18.64	288.1	17.63
		182.4	361.7	23.81	341.5	22.41	324.3	20.98	315.9	20.05	302.0	18.43	288.1	17.68
	59	60.9	361.7	21.70	341.8	20.24	324.3	18.90	315.9	18.16	302.0	16.64	288.1	16.09
		76.2	361.7	21.52	341.8	20.08	324.3	18.72	315.9	18.00	302.0	16.64	288.1	15.92
		152.1	361.7	20.80	341.8	19.44	324.3	18.00	315.9	17.36	302.0	16.64	288.1	15.28
		167.4	361.7	20.80	341.8	19.44	324.3	18.00	315.9	17.36	302.0	16.09	288.1	15.28
		182.4	361.7	20.80	341.8	19.44	324.3	18.00	315.9	17.36	302.0	15.56	288.1	15.28
	68	60.9	361.7	18.90	341.8	17.54	324.3	16.82	315.9	16.09	302.0	15.46	288.1	13.84
		76.2	361.7	18.72	341.8	17.36	324.3	16.64	315.9	15.92	302.0	15.28	288.1	13.84
		152.1	361.7	18.00	341.8	16.64	324.3	15.92	315.9	15.28	302.0	14.56	288.1	13.84
		167.4	361.7	18.00	341.8	16.64	324.3	15.92	315.9	15.28	302.0	14.56	288.1	13.84
		182.4	361.7	18.00	341.8	16.64	324.3	15.92	315.9	15.28	302.0	14.56	288.1	13.84
	77	60.9	361.7	16.82	341.8	15.28	324.3	14.74	315.9	13.84	302.0	13.20	288.1	12.48
		76.2	361.7	16.64	341.8	15.28	324.3	14.56	315.9	13.84	302.0	13.20	288.1	12.48
		152.1	361.7	15.92	341.8	15.28	324.3	13.84	315.9	13.84	302.0	13.20	288.1	12.48
		167.4	361.7	15.92	341.8	15.28	324.3	13.84	315.9	13.84	302.0	13.20	288.1	12.48
		182.4	361.7	15.92	341.8	15.28	324.3	13.84	315.9	13.84	302.0	13.20	288.1	12.48
	86	60.9	361.7	15.46	341.8	14.01	324.3	13.38	315.9	12.48	302.0	12.66	288.1	11.93
		76.2	361.7	15.28	341.8	13.84	324.3	13.20	315.9	12.48	302.0	12.48	288.1	11.76
		152.1	361.7	14.56	341.8	13.20	324.3	12.48	315.9	12.48	302.0	11.76	288.1	11.12
		167.4	361.7	14.56	341.8	13.20	324.3	12.48	315.9	12.48	302.0	11.76	288.1	11.12
		182.4	361.7	14.56	341.8	13.20	324.3	12.48	315.9	12.48	302.0	11.76	288.1	11.12
	95	60.9	361.7	14.01	341.8	12.48	324.3	11.76	315.9	11.93	302.0	11.12	288.1	10.40
		76.2	361.7	13.84	341.8	12.48	324.3	11.76	315.9	11.76	302.0	11.12	288.1	10.40
		152.1	361.7	13.20	341.8	12.48	324.3	11.76	315.9	11.12	302.0	11.12	288.1	10.40
		167.4	361.7	13.20	341.8	12.48	324.3	11.76	315.9	11.12	302.0	11.12	288.1	10.40
		182.4	361.7	13.20	341.8	12.48	324.3	11.76	315.9	11.12	302.0	11.12	288.1	10.40
	104	60.9	361.7	12.66	341.8	11.93	324.3	11.30	315.9	10.40	302.0	10.58	288.1	9.68
		76.2	361.7	12.48	341.8	11.76	324.3	11.12	315.9	10.40	302.0	10.40	288.1	9.68
		152.1	361.7	11.76	341.8	11.12	324.3	10.40	315.9	10.40	302.0	9.68	288.1	9.68
		167.4	361.7	11.76	341.8	11.12	324.3	10.40	315.9	10.40	302.0	9.68	288.1	9.68
		182.4	361.7	11.76	341.8	11.12	324.3	10.40	315.9	10.40	302.0	9.68	288.1	9.68
	113	60.9	361.7	11.30	341.8	11.48	324.3	10.74	315.9	8.87	302.0	10.03	288.1	9.04
		76.2	361.7	11.12	341.8	11.12	324.3	10.40	315.9	9.04	302.0	9.68	288.1	9.04
		152.1	361.7	10.40	341.8	9.68	324.3	9.04	315.9	9.68	302.0	8.32	288.1	9.04
		167.4	361.7	10.40	341.8	9.68	324.3	9.04	315.9	9.68	302.0	8.32	288.1	9.04
		182.4	361.7	10.40	341.8	9.68	324.3	9.04	315.9	9.68	302.0	8.32	288.1	9.04

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

Variable water flow control kit PWFCN000 is required for applications with entering water temperatures below 59°F (one kit per frame).

For heating and synchronous operation applications with entering water temperatures lower than 50°F, refer to the Water Loop Circuit Design and Installation section in the Installation Manual.

# CORRECTION FACTORS

<b>WSU Capacity Correction Factors</b>	<b>450</b>
<b>WSU Cooling/Heating Capacity Correction Factor Calculation</b>	<b>452</b>
<b>Cooling and Heating Correction Factor Tables</b>	<b>453</b>

# EQUIPMENT SELECTION PROCEDURE



## WSU Cooling/Heating Capacity Correction Factors

### WSU Capacity Correction Factors

#### Note:

The LATS software program calculates these correction factors. Use this procedure only when performing manual calculations.

The nominal heating and/or cooling capacities of WSU(s) can be reduced by the design of the refrigerant piping system. Parameters that can reduce nominal capacity are the following:

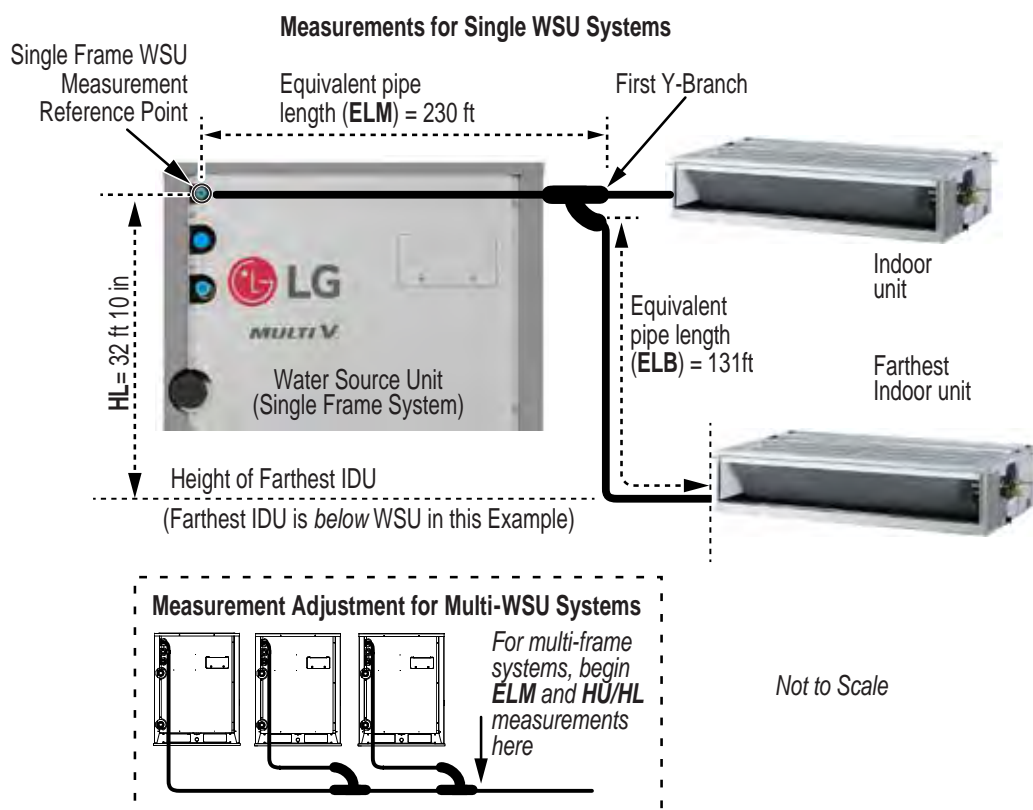
- Length of the liquid refrigerant pipe run to the farthest IDU (vapor pipes do not affect this calculation)
- Number and type of components in this liquid pipe run (elbows, Y-branches, etc.)
- Distance above or below the WSU(s) of the farthest IDU

To determine WSU capacity in your system design, multiply the WSU cooling and heating nominal capacities by the correction factors calculated in this procedure. The correction factor could be 1.0, resulting in no capacity loss, or could be less than 1.0, resulting in a certain amount of capacity loss. If the cooling or heating correction factor causes reduced capacity, the system designer must determine if the reduced capacity is acceptable or if redesign is required.

Two parameters determine WSU cooling and heating correction factors:

1. Height in feet above (HU) or below (HL) the WSU of the IDU farthest away from the WSU. Follow the procedure in the "HU/HL Measurement" section to find this parameter.
2. Total equivalent length (TEL) in feet of the liquid refrigerant pipe between the WSU and the IDU farthest away from the WSU. Equivalent length considers the effect of pressure drop due to components such as elbows and Y-branches. Equivalent feet will be a larger number than the measured physical distance in feet. Follow the procedure in the "Liquid Pipe Total Equivalent Length Calculation" section to find this parameter.
3. After determining the HU/HL and TEL parameters, follow the procedure in the "WSU Cooling/Heating Capacity Correction Factor Calculation" section to determine if the proposed refrigerant pipe design and WSU/IDU locations will reduce WSU capacity.

Figure 1: Equivalent Pipe Length Measurements Example.



#### HU/HL Measurement

Follow this procedure to determine the value of HU (farthest IDU above WSU) or HL (farthest IDU below WSU). Refer to the figure above.

1. Based on your system's refrigerant pipe design, determine which IDU is the farthest from the WSU.
2. Determine the vertical distance in feet between the WSU and the farthest IDU. For a single WSU system, measure from the WSU liquid pipe connection. For a dual or triple WSU system, measure from the end of the last multi-frame connector. At the IDU end, measure to the IDU's liquid pipe connection.
3. Record the vertical distance measurement in feet, and note if the IDU is above the WSU (HU) or below the WSU (HL).
4. Proceed to the total equivalent pipe length calculation.



## Liquid Pipe Total Equivalent Length Calculation

A Multi V system may have many liquid refrigerant pipe runs, each composed of multiple segments, elbows, and other components, but the single pipe run that determines TEL is the run from the WSU(s) through the first Y-branch, to the farthest IDU. The TEL of this pipe run is its physical length plus an amount of "length" added to represent the effect of pressure drop due to elbows, Y-branches, headers, and other pipe system components.

Use this formula to calculate TEL:

**TEL = (ELM x CF) + ELB**, where:

**TEL** = total equivalent length of the liquid refrigerant pipe

**ELM** = equivalent length of the liquid refrigerant pipe to end of first Y-branch

**CF** = pipe length correction factor

**ELB** = equivalent length of the liquid refrigerant pipe from end of first Y-branch to farthest IDU

The ELM and ELB parameters will vary according to the system design. CF is a constant and is listed in the table on the next page. Determine ELM and ELB and then use the TEL formula to calculate total equivalent length.

Follow these steps to calculate ELM. Refer to the "Equivalent Pipe Length Measurements Example" figure.

- Determine the beginning measurement reference point at the WSU end of the liquid refrigerant pipe.
  - For a single WSU system, begin the measurement at the WSU's liquid refrigerant pipe connection (smallest diameter pipe, closest to top of unit).
  - For a dual or triple WSU system, begin the measurement at the end of the last multi-frame connector.
- Locate the first Y-branch in the liquid pipe.
- Measure the length in feet of this liquid pipe run. Measure along the length of the pipe, following any changes in direction. Record this value.
- Count the number of elbow connectors in the pipe measured in step 3. Determine the outside diameter (OD) of the elbow connectors. All elbows in this segment should have the same OD.
- Refer to the table below and find the equivalent length for this size of elbow connector. Multiply the number of elbows by the equivalent length in feet. Record this value.
- Add the physical measurement found in step 3, the elbow connector value found in step 5, and 1.6 ft. for the first Y-branch. The result is the equivalent length in feet of this section of pipe, and is the **ELM** parameter of the total equivalent length equation.

Follow these steps to calculate **ELB**. Refer to the "Equivalent Pipe Length Measurements Example" figure.

- Measure the distance in feet from the end of the first liquid pipe Y-branch to the liquid pipe connection of the farthest IDU. Measure along the length of the pipe, following any changes in direction. Record this value.
- Count the number of elbow connectors in the liquid pipe run measured in step 1. If there is more than one size of elbow connector, count the number of each size. Determine the outside diameter (OD) of each size of elbow connector.
- Refer to the table below and find the equivalent length for each size of elbow connector. Multiply the number of each size of elbow by its equivalent length. Add these equivalent length values to determine a total equivalent length for elbow connectors. Record this value.
- Count the number of Y-branches in the liquid pipe run measured in step 1. Multiply the number of Y-branches by 1.6 to determine their equivalent length in feet. Record this value. If there are no Y-branches, the value is zero.

Table 1: Equivalent Piping Length for Elbow Pipe Connectors.

Equivalent Lengths of Elbow Pipe Connectors															
Elbow (90° or 45°)	Size, inches OD	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2	1-5/8	1-3/4	2-1/8
	Equivalent Length (ft.)	0.5	0.6	0.7	0.8	1.2	1.3	1.5	1.6	1.8	2.0	2.1	2.3	2.5	2.8
Y-branch (ft.)		1.6													
Header (ft.)		3.3													
Heat Recovery Unit (ft.) (For ARWB Heat Recovery Units only)		8.2													

## Steps to calculate ELB, continued.

- Count the number of headers in the liquid pipe run measured in step 1. Multiply the number of headers by 3.3 to determine their equivalent length in feet. Record this value. If there are no headers, the value is zero.
- Count the number of heat recovery units in the liquid pipe run measured in step 1. Multiply the number of heat recovery units by 8.2 to determine their equivalent length in feet. Record this value. If there are no heat recovery units, the value is zero.
- Add the physical measurement found in step 1, the elbow connector value found in step 3, the Y-branch value found in step 4, the header value found in step 5 and the heat recovery unit value found in step 6. The result is the equivalent length in feet of this liquid pipe run, and is the **ELB** parameter of the total equivalent length equation.

## Follow these steps to calculate TEL.

- Multiply ELM by in feet to ELB in feet. This value is the equivalent length in feet of this section of refrigerant pipe.
- Refer to the table below to find the equivalent length correction factor (**CF**) for cooling or heading mode.
- Use the equation below with the HU/HL, ELB, and CF parameters to calculate total equivalent pipe length. Record this value.

$$\text{Total Equivalent Length (TEL) in feet} = [(\text{ELM in feet}) \times (\text{CF from Table below})] + (\text{ELB in feet})$$

Table 2: Equivalent Pipe Length Correction Factors.

If Equivalent Pipe Length (ELM + ELB) is:	
Less than 295 ft, Correction Factor (CF) is:	295 ft or More Correction Factor (CF) is:
1.0 for Cooling	0.5 for Cooling
1.0 for Heating	0.2 for Heating

## WSU Cooling/Heating Capacity Correction Factor Calculation

Follow this procedure to determine the system's WSU corrected capacity. You must have the results of the HU/HL Measurement procedure and the Total Equivalent Pipe Length Calculation procedure to accurately calculate the correction factors. If the cooling or heating correction factor causes reduced capacity, the system designer must determine if the reduced capacity is acceptable or if redesign is required.

- Locate the recorded results of the HU/HL Measurement and the Total Equivalent Pipe Length Calculation.
- Refer to the Cooling Capacity Correction Factors table. Refer to the HU or HL section of the table, as appropriate for your system.
- Use the HU/HL measurement and the calculated TEL length to find the cooling correction factor. Record this value.
- Multiply the nominal WSU cooling capacity by the correction factor found in step 3 to determine the corrected cooling capacity.
- Refer to the Heating Capacity Correction Factors table. Refer to the HU or HL section of the table, as appropriate for your system.
- Use the HU/HL measurement and the calculated TEL length to find the heating correction factor. Record this value.
- Multiply the nominal WSU cooling capacity by the correction factor found in step 6 to determine the corrected heating capacity.
- If either the cooling or heating corrected capacity is less than the nominal capacity, determine if the corrected capacity is acceptable or if system parameters must change to achieve an acceptable corrected capacity.

## WSU Cooling/Heating Capacity Correction Factor Calculation Examples

Examples below use the data in the "Equivalent Pipe Length Measurements" figure to determine cooling and heating capacity correction factors.

In Figure 1, ELM = 230 ft; ELB = 131 ft; HL = 33 ft

- For the cooling calculation:
  - TEL = (230 ft x 0.5) + 131 ft
  - TEL = 246 ft.
  - Cooling capacity correction factor when TEL is 246 ft and HL is 33 ft is approximately 0.88
  - Multiplying the WSU nominal cooling capacity by 0.88 gives the corrected cooling capacity
- For the heating calculation,
  - TEL = (230 ft x 0.2) + 131 ft
  - TEL = 177 ft.
  - Heating capacity correction factor when TEL is 177 ft and HL is 33 ft is approximately 1.0
  - Multiplying the WSU nominal heating capacity by 1.0 gives the corrected heating capacity

## Cooling and Heating Correction Factor Tables

These tables show the change in capacity of a standard indoor unit system at maximum load under standard conditions. If pipe insulation is insufficient, heat loss will become larger and capacity will decrease.

### Note:

The LATS software program calculates these correction factors. To reduce the risk of designing an improper applied system or one that will not operate correctly, designers MUST use LATS when designing LG VRF systems.

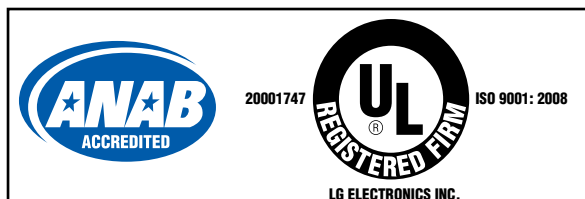
Table 3: WSU Capacity Cooling Correction Factors.

Elevation Difference (ft.) Above WSU (HU)	Total Equivalent Length (TEL) in Feet												
	25	33	66	98	131	164	197	230	263	295	328	361	394
	Correction Factor												
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95	0.86	0.85	0.84
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95	0.86	0.85	0.84
33	–	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95	0.86	0.85	0.84
66	–	–	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95	0.86	0.84	0.83
98	–	–	–	1.0	1.0	1.0	1.0	0.98	0.96	0.95	0.85	0.84	0.83
131	–	–	–	–	1.0	1.0	1.0	0.98	0.96	0.95	0.85	0.84	0.83
164	–	–	–	–	–	1.0	1.0	0.98	0.96	0.95	0.85	0.84	0.83
Elevation Difference (ft.) Below WSU (HL)	Total Equivalent Length (TEL) in Feet												
	25	33	66	98	131	164	197	230	263	295	328	361	394
	Correction Factor												
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95	0.86	0.85	0.84
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95	0.86	0.85	0.84
33	–	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95	0.86	0.85	0.84
66	–	–	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95	0.86	0.85	0.84
98	–	–	–	1.0	1.0	1.0	1.0	0.98	0.96	0.95	0.86	0.85	0.84
131	–	–	–	–	1.0	1.0	1.0	0.98	0.96	0.95	0.86	0.85	0.84
164	–	–	–	–	–	1.0	1.0	0.98	0.96	0.95	0.86	0.85	0.84

Table 4: WSU Capacity Heating Correction Factors.

Elevation Difference (ft.) Above WSU (HU)	Total Equivalent Length (TEL) in Feet									
	25	33	66	98	131	164	197	230	263	295
	Correction Factor									
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95
33	–	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95
66	–	–	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95
98	–	–	–	1.0	1.0	1.0	1.0	0.98	0.96	0.95
131	–	–	–	–	1.0	1.0	1.0	0.98	0.96	0.95
164	–	–	–	–	–	1.0	1.0	0.98	0.96	0.95
Elevation Difference (ft.) Below WSU (HL)	Total Equivalent Length (TEL) in Feet									
	25	33	66	98	131	164	197	230	263	295
	Correction Factor									
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95
33	–	1.0	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95
66	–	–	1.0	1.0	1.0	1.0	1.0	0.98	0.96	0.95
98	–	–	–	1.0	1.0	1.0	1.0	0.98	0.96	0.95
131	–	–	–	–	1.0	1.0	1.0	0.98	0.96	0.95
164	–	–	–	–	–	1.0	1.0	0.98	0.96	0.95

*Inverter*



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