



# ***MULTI V***™

## **DUCTED INDOOR UNIT ENGINEERING MANUAL**



High Static Ducted  
7,500 to 95,900 Btu/h



Low Static Ducted  
7,500 to 24,000 Btu/h



Vertical / Horizontal Air Handler  
12,000 to 54,000 Btu/h

## **PROPRIETARY DATA NOTICE**

**This document, as well as all reports, illustrations, data, information, and other materials are the property of LG Electronics U.S.A., Inc., and are disclosed by LG Electronics U.S.A., Inc. only in confidence.  
This document is for design purposes only.**

A summary list of safety precautions is on page 3.

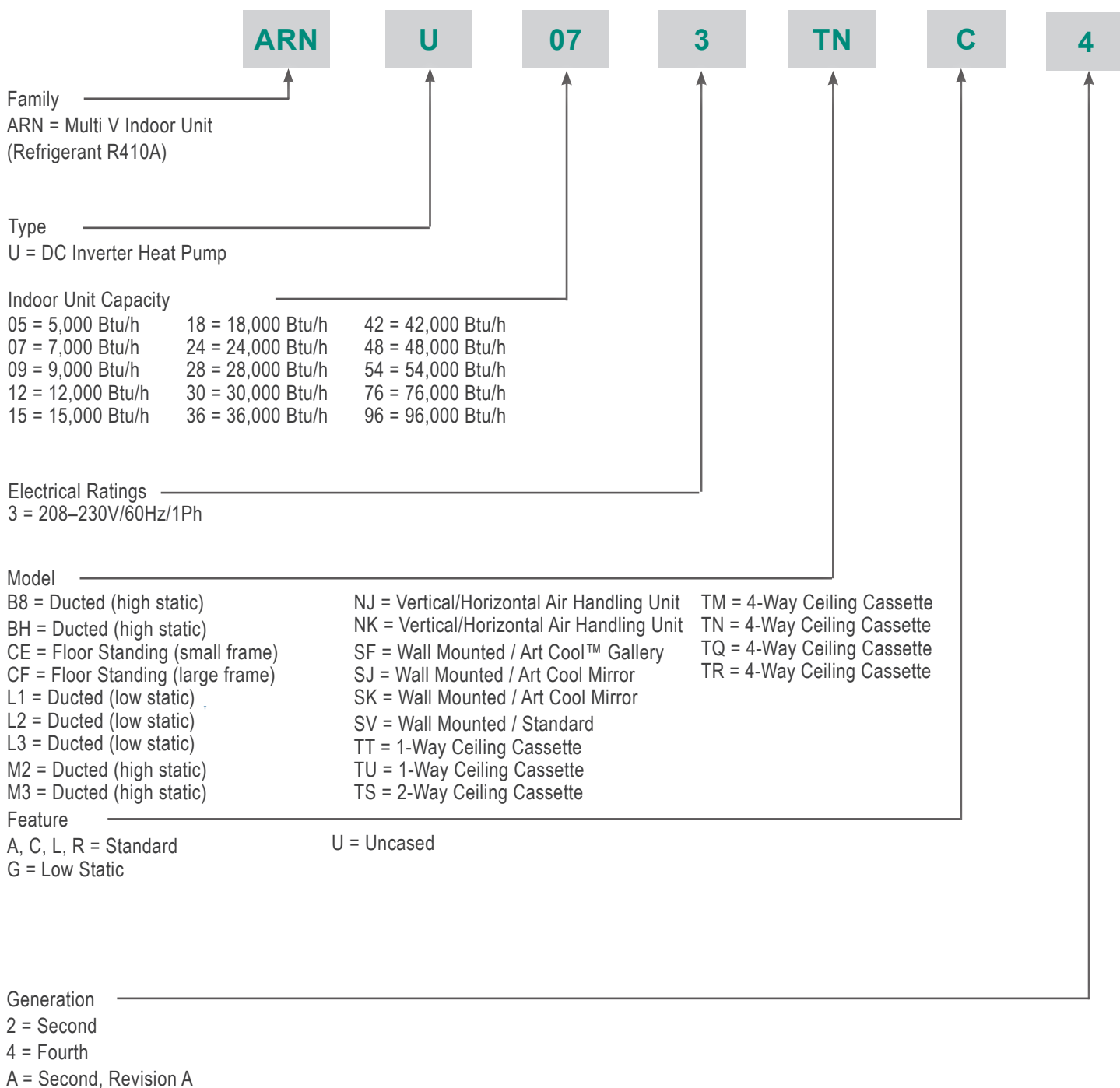
**For more technical materials such as submittals, catalogs, installation, owner's, and service manuals, visit [www.lghvac.com](http://www.lghvac.com).**

<b>Unit Nomenclature</b> .....	<b>4</b>	<b>Vertical / Horizontal Air Handler Units</b> .....	<b>153-189</b>
<b>LATS Overview</b> .....	<b>5-6</b>	<i>Mechanical Specifications</i> .....	154-155
<b>Refrigerant Charge Worksheet</b> .....	<b>7-9</b>	<i>General Data</i> .....	156-157
<b>High Static Ducted Indoor Units</b> .....	<b>10-124</b>	<i>Electrical Data</i> .....	158
<i>Mechanical Specifications</i> .....	11	<i>External Dimensions</i> .....	159-160
<i>General Data</i> .....	12-16	<i>Electrical Wiring Diagrams</i> .....	161-164
<i>Electrical Data</i> .....	17	<i>Refrigerant Flow Diagrams</i> .....	165
<i>External Dimensions</i> .....	18-21	<i>External Static Pressure and Air Flow</i> .....	166
<i>Electrical Wiring Diagrams</i> .....	22-29	<i>External Static Pressure Ranges</i> .....	167
<i>Refrigerant Flow Diagrams</i> .....	30-31	<i>Heater Capacity Airflow / Static Pressure Drop Factors</i> .....	168
<i>External Static Pressure and Air Flow</i> .....	32-37	<i>Acoustic Data</i> .....	169-172
<i>External Static Pressure Ranges</i> .....	38-42	<i>Capacity Tables</i> .....	173-188
<i>Acoustic Data</i> .....	43-73	<i>Optional Accessories</i> .....	189
<i>Capacity Tables</i> .....	74-123	<b>Application Guidelines</b> .....	<b>190-202</b>
<i>Optional Accessories</i> .....	124	<i>Selecting the Best Location</i> .....	191-192
<b>Low Static Ducted Indoor Units</b> .....	<b>125-152</b>	<i>General Mounting</i> .....	193-196
<i>Mechanical Specifications</i> .....	126	<i>General Drain Piping Information</i> .....	197-198
<i>General Data</i> .....	127	<i>Wiring Guidelines</i> .....	199-201
<i>Electrical Data</i> .....	128	<i>Wired Remote Controller Location</i> .....	201
<i>External Dimensions</i> .....	129-130	<b>Acronyms</b> .....	<b>202</b>
<i>Electrical Wiring Diagrams</i> .....	131-133		
<i>Refrigerant Flow Diagrams</i> .....	134		
<i>External Static Pressure and Air Flow</i> .....	135-136		
<i>External Static Pressure Ranges</i> .....	137		
<i>Acoustic Data</i> .....	138-140		
<i>Capacity Tables</i> .....	141-152		

## TABLE OF SYMBOLS

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

# UNIT NOMENCLATURE





## LG Air Conditioner Technical Solution (LATS) Software

A properly designed and installed refrigerant piping system is critical to the optimal performance of LG air-conditioning systems. To assist engineers, LG offers, free of charge, LG Air Conditioner Technical Solution (LATS) software—a total design solution for LG air conditioning systems.

### Note:

To reduce the risk of designing an improper applied system or one that will not operate correctly, LG requires that LATS software be used on all projects.

### Formats

LATS is available to LG customers in three user interfaces: LATS HVAC, LATS CAD2, and LATS REVIT. All three LATS formats are available through [www.myLGHVAC.com](http://www.myLGHVAC.com), or contact an LG Sales Representative.

**LATS HVAC** is a Windows®-based application that aids engineers in designing LG Variable Refrigerant Flow (VRF), Multi F / Multi F MAX, Single-Zone, and Energy Recovery Ventilator (ERV) systems.

\*Windows® is a registered mark of Microsoft® Corporation.

**LATS CAD2** combines the LG LATS program with AutoCAD® software\*\*. It permits engineers to layout and validate LG Multi V Variable Refrigerant Flow (VRF), Multi F / Multi F MAX, Single-Zone, and Energy Recovery Ventilator (ERV) systems directly into CAD drawings.

**LATS Revit** integrates the LG LATS program with Revit® software\*\*. It permits engineers to layout and validate Multi V VRF systems directly into Revit drawings.

\*\*AutoCAD® and Revit® are both registered marks of Autodesk, Inc.

### Features

All LG product design criteria have been loaded into the program, making LATS simple to use: double click or drag and drop the component choices. Build systems in Tree Mode where the refrigerant system can be viewed. Switch to a Schematic diagram to see the electrical and communications wiring.

LATS software permits the user to input region data, indoor and outdoor design temperatures, modify humidity default values, zoning, specify type and size of outdoor units and indoor units, and input air flow and external static pressure (ESP) for ducted indoor units.

The program can also:

- Import building loads from a separate Excel file.
- Present options for outdoor unit auto selection.
- Automatically calculate component capacity based on design conditions for the chosen region.
- Verify if the height differences between the various system components are within system limits.
- Provide the correct size of each refrigerant piping segment and LG Y-Branched and Headers.
- Adjust overall piping system length when elbows are added.
- Check for component piping limitations and flag if any parameters are broken.
- Factor operation and capacity for defrost operation.
- Calculate refrigerant charge, noting any additional trim charge.
- Suggest accessories for indoor units and outdoor units.
- Run system simulation.

### Note:

Features depend on which LATS program is being used, and the type of system being designed.

Figure 1: Example of LATS CAD2.



# LG AIR CONDITIONER TECHNICAL SOLUTION (LATS)

## LATS Generates a Complete Project Report

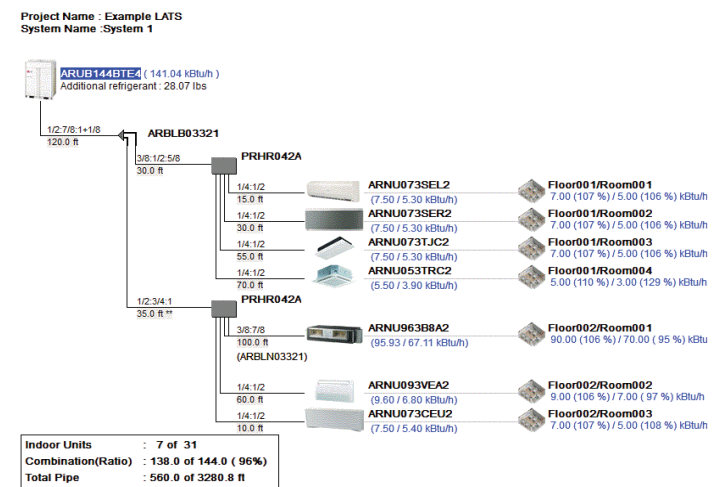
LATS software also generates a report containing project design parameters, cooling and heating design data, system component performance, and capacity data. The report includes system combination ratio and refrigerant charge calculations; and provides detailed bill of material, including outdoor units, indoor units, control devices, accessories, refrigerant pipe sizes segregated by building, by system, by pipe size, and by pipe segments. LATS can generate an Excel GERP report that can imported into the LG SOPS pricing and ordering system.

## Proper Design to Install Procedure

LG encourages a two report design-to-install-procedure. After the design engineer determines building / zone loads and other details, the engineer opens the LATS program and inputs the project's information. When the design is complete, the "Auto Piping" and "System Check" functions must be used to verify piping sizes, limitations, and if any design errors are present. If errors are found, engineers must adjust the design, and run Auto Piping and System Check again. When the design passes the checks, then the engineer prints out a project "Shop Drawing" (LATS Tree Diagram) and provides it to the installing contractor. The contractor must follow the LATS Tree Diagram when building the piping system, but oftentimes the design changes on the building site:

- Architect has changed location and/or purpose of room(s).
- Outdoor unit cannot be placed where originally intended.
- Structural elements prevent routing the piping as planned.
- Air conditioning system conflicts with other building systems (plumbing, gas lines, etc.).

Figure 2: Example of a LATS Tree Diagram.



The contractor must mark any deviation from the design on the Shop Drawing, including as-built straight lines and elbows. This "Mark Up" drawing must be returned to the design engineer or Rep, who must input contractor changes into the LATS file. (Copy the original LATS software file, save and rename as a separate file, and modify all piping lengths by double-clicking on each length and editing information.) Like the shop drawing, the Auto Piping and System Check must also be run on this new "As Built" drawing. The design engineer or Rep must then provide the final As Built file to the contractor. The Mark Up version must be compared to the As Built version for:

- Differences in pipe diameter(s). If incorrect diameters have been installed, the piping must be changed out. If pipe diameters have changed, check to see if Y-Branches will also need to be changed.
- Changes to outdoor unit and indoor unit capacities. Capacities changes may impact line length changes.
- Additional refrigerant charge quantity ("Trim Charge"). Trim charge will change if piping lengths and diameters change. The As Built version must reflect installed piping lengths to ensure correct trim charge.

All documents submitted by the contractor, as well as the Shop Drawing and the As Built Drawing files must be provided for commissioning purposes. Model and serial numbers for all system components must also be submitted. If the steps previously detailed are not followed, and all documents are not provided to the commissioning agent, the project runs the risk of not being commissioned and voiding any limited warranty LG offers on the equipment.

# REFRIGERANT CHARGE WORKSHEET

Multi V 5 System R410A Refrigerant Charge Calculator (lbs.)

<b>System Tag or ID:</b>		<b>Job Name:</b> _____				
		<b>Project Manager:</b> _____			<b>Date:</b> _____	
Line #	Description	Chassis I.D.	Size	Quantity	CF (Ref.) <sup>1</sup>	Total (lbs.)
1	Linear feet of 1/4" liquid line tubing <sup>2</sup>	—	—		0.015	
2	Linear feet of 3/8" liquid line tubing <sup>2</sup>	—	—		0.041	
3	Linear feet of 1/2" liquid line tubing <sup>2</sup>	—	—		0.079	
4	Linear feet of 5/8" liquid line tubing <sup>2</sup>	—	—		0.116	
5	Linear feet of 3/4" liquid line tubing <sup>2</sup>	—	—		0.179	
6	Linear feet of 7/8" liquid line tubing <sup>2</sup>	—	—		0.238	
7	Linear feet of 1" liquid line tubing <sup>2</sup>	—	—		0.323	
8	Standard + Art Cool Mirror	SJ, SK	5k to 15k		0.53	
9	Standard + Art Cool Mirror	SJ, SK	18k to 24k		0.62	
10	Standard	SV	30k to 36k		1.01	
11	Art Cool Gallery	SF	9k to 12k		0.22	
12	1-Way Cassette	TU	7k to 12k		0.44	
13	1-Way Cassette	TT	18k to 24k		0.64	
14	2-Way Cassette	TS	18k to 24k		0.75	
15	4-Way 2' x 2' Cassette	TR	5k to 7k		0.40	
16	4-Way 2' x 2' Cassette	TR	9k to 12k		0.55	
17	4-Way 2' x 2' Cassette	TQ	15k to 18k		0.71	
18	4-Way 3' x 3' Cassette	TN	7k to 24k		0.88	
19	4-Way 3' x 3' Cassette	TM	28k to 36k		1.08	
20	4-Way 3' x 3' Cassette	TM	42k to 48k		1.41	
21	High Static Ducted	BH	7k to 24k		0.57	
22	High Static Ducted	M2	7k to 24k		0.77	
23	High Static Ducted	M2	28k to 42k		1.15	
24	High Static Ducted	M3	28k to 54k		1.35	
25	High Static Ducted	B8	36k to 96k		2.20	
26	Low Static Ducted, Low Static Ducted Bottom Return	L1	5k to 9k		0.31	
27	Low Static Ducted, Low Static Ducted Bottom Return	L2	12k to 18k		0.42	
28	Low Static Ducted, Low Static Ducted Bottom Return	L3	21k to 24k		0.55	
29	Vertical / Horizontal Air Handling Unit	NJ	12k to 30k		1.04	
30	Vertical / Horizontal Air Handling Unit	NJ	36k		1.57	
31	Vertical / Horizontal Air Handling Unit	NK	42k to 54k		2.00	
32	Floor Standing	CE (U)	7k to 15k		0.37	
33	Floor Standing	CF (U)	18k to 24k		0.82	
34	HRU: PRHR022A/023A, 032A/033A, 042A/043A, 063A, 083A	—	—		1.1	
35	<b>ADDITIONAL Refrigerant Charge Required (Sum of lines 1 – 34)</b>					
36	Outdoor Unit Factory Refrigerant Charge	36A	ARUM072*TE5	72k		14.3
		36B	ARUM096*TE5	96k		23.2
		36C	ARUM121*TE5	121k		23.2
		36D	ARUM144*TE5	144k		26.5
		36E	ARUM168*TE5	168k		26.5
		36F	ARUM192*TE5	192k		30.9
		36G	ARUM216*TE5	216k		37.5
		36H	ARUM241*TE5	241k		37.5
37	<b>Total ODU FACTORY Refrigerant Charge (Sum of factory refrigerant charges for all ODUs in the system, lines 36A -36H)</b>					
38	<b>TOTAL SYSTEM CHARGE</b> Sum of Additional Refrigerant Charge Required (line 35) and Total ODU Factory Refrigerant Charge (line 37)					

<sup>1</sup>CF (Ref.) = Correction Factor for Refrigerant Charge. <sup>2</sup>For refrigerant charge purposes, consider only the liquid line; ignore the vapor line(s).

# REFRIGERANT CHARGE WORKSHEET

Water IV System R410A Refrigerant Charge Calculator (lbs.)

<b>System Tag or ID:</b>		<b>Job Name:</b> _____				
		<b>Project Manager:</b> _____			<b>Date:</b> _____	
Line #	Description	Chassis I.D.	Size	Quantity	CF (Ref.) <sup>1</sup>	Total (lbs.)
1	Linear feet of 1/4" liquid line tubing <sup>2</sup>	—	—		0.015	
2	Linear feet of 3/8" liquid line tubing <sup>2</sup>	—	—		0.041	
3	Linear feet of 1/2" liquid line tubing <sup>2</sup>	—	—		0.079	
4	Linear feet of 5/8" liquid line tubing <sup>2</sup>	—	—		0.116	
5	Linear feet of 3/4" liquid line tubing <sup>2</sup>	—	—		0.179	
6	Linear feet of 7/8" liquid line tubing <sup>2</sup>	—	—		0.238	
7	Linear feet of 1" liquid line tubing <sup>2</sup>	—	—		0.323	
8	Standard + Art Cool Mirror	SJ, SK	5k to 15k		0.53	
9	Standard + Art Cool Mirror	SJ, SK	18k to 24k		0.62	
10	Standard	SV	30k to 36k		1.01	
11	Art Cool Gallery	SF	9k to 12k		0.22	
12	1-Way Cassette	TU	7k to 12k		0.44	
13	1-Way Cassette	TT	18k to 24k		0.64	
14	2-Way Cassette	TS	18k to 24k		0.75	
15	4-Way 2' x 2' Cassette	TR	5k to 7k		0.40	
16	4-Way 2' x 2' Cassette	TR	9k to 12k		0.55	
17	4-Way 2' x 2' Cassette	TQ	15k to 18k		0.71	
18	4-Way 3' x 3' Cassette	TN	7k to 24k		0.88	
19	4-Way 3' x 3' Cassette	TM	28k to 36k		1.08	
20	4-Way 3' x 3' Cassette	TM	42k to 48k		1.41	
21	High Static Ducted	BH	7k to 24k		0.57	
22	High Static Ducted	M2	7k to 24k		0.77	
23	High Static Ducted	M2	28k to 42k		1.15	
24	High Static Ducted	M3	28k to 54k		1.35	
25	High Static Ducted	B8	36k to 96k		2.20	
26	Low Static Ducted, Low Static Ducted Bottom Return	L1	5k to 9k		0.31	
27	Low Static Ducted, Low Static Ducted Bottom Return	L2	12k to 18k		0.42	
28	Low Static Ducted, Low Static Ducted Bottom Return	L3	21k to 24k		0.55	
29	Vertical / Horizontal Air Handling Unit	NJ	12k to 30k		1.04	
30	Vertical / Horizontal Air Handling Unit	NJ	36k		1.57	
31	Vertical / Horizontal Air Handling Unit	NK	42k to 54k		2.00	
32	Floor Standing	CE (U)	7k to 15k		0.37	
33	Floor Standing	CF (U)	18k to 24k		0.82	
34	HRU: PRHR022A/023A, 032A/033A, 042A/043A, 063A, 083A	—	—		1.1	
35	<b>ADDITIONAL Refrigerant Charge Required (Sum of lines 1 – 34)</b>					
36	Water-Source Unit Factory Refrigerant Charge	ARW*072BAS4, ARW*096BAS4, ARW*121BAS4, ARW*144BAS4			10.42	
		ARW*072DAS4, ARW*096DAS4, ARW*121DAS4			10.42	
		ARW*144DAS4, ARW*192DAS4			11.66	
37	<b>Total WSU FACTORY Refrigerant Charge</b> (Sum of factory refrigerant charges for all WSUs in the system)					
38	<b>TOTAL SYSTEM CHARGE</b> Sum of Additional Refrigerant Charge Required (line 35) and Total WSU Factory Refrigerant Charge (line 37)					

<sup>1</sup>CF (Ref.) = Correction Factor for Refrigerant Charge. <sup>2</sup>For refrigerant charge purposes, consider only the liquid line; ignore the vapor line(s).

# REFRIGERANT CHARGE WORKSHEET

Multi V S System R410A Refrigerant Charge Calculator (lbs.)

<b>System Tag or ID:</b>		<b>Job Name:</b> _____				
		<b>Project Manager:</b> _____			<b>Date:</b> _____	
Line #	Description	Chassis I.D.	Size	Quantity	CF (Ref.) <sup>1</sup>	Total (lbs.)
1	Linear feet of 1/4" liquid line tubing <sup>2</sup>	—	—		0.015	
2	Linear feet of 3/8" liquid line tubing <sup>2</sup>	—	—		0.041	
3	Linear feet of 1/2" liquid line tubing <sup>2</sup>	—	—		0.079	
4	Linear feet of 5/8" liquid line tubing <sup>2</sup>	—	—		0.116	
5	Linear feet of 3/4" liquid line tubing <sup>2</sup>	—	—		0.179	
6	Linear feet of 7/8" liquid line tubing <sup>2</sup>	—	—		0.238	
7	Linear feet of 1" liquid line tubing <sup>2</sup>	—	—		0.323	
8	Standard + Art Cool Mirror	SJ, SK	5k to 15k		0.53	
9	Standard + Art Cool Mirror	SJ, SK	18k to 24k		0.62	
10	Standard	SV	30k to 36k		1.01	
11	Art Cool Gallery	SF	9k to 12k		0.22	
12	1-Way Cassette	TU	7k to 12k		0.44	
13	1-Way Cassette	TT	18k to 24k		0.64	
14	2-Way Cassette	TS	18k to 24k		0.75	
15	4-Way 2' x 2' Cassette	TR	5k to 7k		0.40	
16	4-Way 2' x 2' Cassette	TR	9k to 12k		0.55	
17	4-Way 2' x 2' Cassette	TQ	15k to 18k		0.71	
18	4-Way 3' x 3' Cassette	TN	7k to 24k		0.88	
19	4-Way 3' x 3' Cassette	TM	28k to 36k		1.08	
20	4-Way 3' x 3' Cassette	TM	42k to 48k		1.41	
21	High Static Ducted	BH	7k to 24k		0.57	
22	High Static Ducted	M2	7k to 24k		0.77	
23	High Static Ducted	M2	28k to 42k		1.15	
24	High Static Ducted	M3	28k to 54k		1.35	
25	High Static Ducted	B8	36k to 96k		2.20	
26	Low Static Ducted, Low Static Ducted Bottom Return	L1	5k to 9k		0.31	
27	Low Static Ducted, Low Static Ducted Bottom Return	L2	12k to 18k		0.42	
28	Low Static Ducted, Low Static Ducted Bottom Return	L3	21k to 24k		0.55	
29	Vertical / Horizontal Air Handling Unit	NJ	12k to 30k		1.04	
30	Vertical / Horizontal Air Handling Unit	NJ	36k		1.57	
31	Vertical / Horizontal Air Handling Unit	NK	42k to 54k		2.00	
32	Floor Standing	CE (U)	7k to 15k		0.37	
33	Floor Standing	CF (U)	18k to 24k		0.82	
34	HRU: PRHR022A/023A, 032A/ 033A, 042A/ 043A, 063A, 083A	—	—		1.1	
35	<b>ADDITIONAL Refrigerant Charge Required (Sum of lines 1 – 34)</b>					
36	Total ODU FACTORY Refrigerant Charge (Choose One)	36A	ARUN024GSS4		0	
		36B	ARUN038GSS4		0	
		36C	ARUN048GSS4		0	
		36D	ARUN053GSS4		0	
		36F	ARUN060GSS4		0	
		36G	ARUB060GSS4		0	
37	<b>TOTAL SYSTEM CHARGE</b>					
Sum of Additional Refrigerant Charge Required (line 35) and Total ODU Factory Refrigerant Charge (from lines 36A through 36G)						

<sup>1</sup>CF (Ref.) = Correction Factor for Refrigerant Charge. <sup>2</sup>For refrigerant charge purposes, consider only the liquid line; ignore the vapor line(s).

# CEILING-CONCEALED DUCTED HIGH STATIC



**Mechanical Specifications on page 11**  
**General Data on page 12**  
**Electrical Data on page 17**  
**External Dimensions on page 18**  
**Electrical Wiring Diagrams on page 22**  
**Refrigerant Flow Diagrams on page 30**  
**External Static Pressure and Air Flow on page 32**  
**External Static Pressure Ranges on page 38**  
**Acoustic Data on page 43**  
**Capacity Tables on page 74**  
**Optional Accessories on page 124**



### Casing

The case is designed to mount concealed above a finished ceiling. Fan supply air is front horizontal with a dedicated rear horizontal return. The unit is manufactured with coated metal. Cold surfaces are covered with a coated polystyrene insulating material. The cold surface areas of the case are covered externally with sheet insulation made of Ethylene Propylene Diene Monomer (M-Class) (EPDM) conforming to ASTM Standard D-1418. The case is provided with hanger brackets designed to support the unit weight on four corners. Hanger brackets have pre-punched holes designed to accept field supplied, all-thread rod hangers.

### Fan Assembly and Control

The unit has Sirocco fans made of high strength ABS GP-2200 polymeric resin. Fans are directly driven and mounted on a common shaft. The fan motor is a Brushless Digitally Controlled (BLDC) design with permanently lubricated and sealed ball bearings. The fan motor includes thermal, overcurrent and low RPM protection. The fan / motor assembly is mounted on vibration attenuating rubber grommets. The fan impeller is statically and dynamically balanced. The fan speed is controlled using a microprocessor based, direct digital control algorithm that provides a high fan speed in cooling thermal ON and low fan speed in cooling thermal OFF, high fan speed in heating thermal ON and fan off in heating thermal OFF. The fan speeds can be field adjusted between low, medium, and high speeds and DIP switch settings will allow the fan to run constantly during defrost or oil return modes. Each setting can be field adjusted from the factory setting (RPM / ESP) to compensate for additional resistance to airflow caused by field connected ductwork or other airflow restricting devices.

### Air Filter

Return air is filtered with a removable, washable filter with antifungal treatment. MERV 13 filter modules with plenums available.

### Microprocessor Controls

The unit is provided with an integrated microprocessor-based controller. The controller is capable of performing functions necessary to operate the system without the use of a wall-mounted controller. A temperature thermistor is factory-mounted in the return air stream. All unit operation parameters, excluding the unit operating schedule, are stored in non-volatile memory resident on the unit microprocessor. Operating schedules are stored in select models of the optional, wall-mounted, local, or central controller. The field supplied communication cable between the indoor unit(s) and outdoor unit is to be a minimum of 18 AWG, 2-conductor, stranded, and shielded cable (RS-485), terminated via screw terminals on the control boards. The microprocessor control provides the following functions: auto addressing, self-diagnostics, auto restart following power restoration, test run, and will operate the indoor unit using one of five operating modes:

1. Auto Changeover (Heat Recovery only)
2. Heating
3. Cooling
4. Dry
5. Fan Only

For Heat Recovery systems the Auto Changeover setting automatically switches control of the indoor unit between cooling and heating modes based on space temperature conditions.

For Heat Pump systems, heated or cooled air delivery is dependent upon outdoor unit operating mode.

In Heating mode, the microprocessor control will activate the indoor unit when indoor room temperature falls below setpoint temperature and



signals the outdoor unit to begin heating cycle. The indoor unit fan operation is delayed until coil pipe temperature reaches 76°F. Significant airflow is generated when pipe temperature reaches 80°F. In lieu of factory return air thermistor, screw terminals on the microprocessor circuit board accommodate various models of wall-mounted local controllers and/or a wall-mounted remote temperature sensor. The unit microprocessor is capable of accepting space temperature readings concurrently or individually from either:

1. Wall-mounted wired controller(s)
2. Factory mounted return air thermistor or the optional wall-mounted wired remote temperature sensor

A single indoor unit has the capability of being controlled by up to two local wired controllers. The microprocessor controls space temperature using the value provided by the temperature sensor sensing a space temperature that is farthest away from the temperature set-point. The microprocessor control provides a cooling or heating mode test cycle that operates the unit for 18 minutes without regard to the space temperature. If the system is provided with an optional wall-mounted local or central controller, displayed diagnostic codes are specific, alpha numeric, and provide the service technician with a reason for the code displayed.

### Condensate Lift/Pump

The indoor unit is provided with a factory installed and wired condensate lift/pump capable of providing a minimum 27.5 inch lift from the bottom exterior surface of the unit casing. The unit drain pan is provided with a secondary drain port/plug allowing the pan to be drained for service. The lift pump comes with a safety switch that will shut off indoor unit if condensate rises too high in the drain pan.

### Condensate Drain Pan

The condensate drain pan is constructed of high impact polystyrene resin (HIPS).

### Coil

The indoor unit coil is constructed with grooved design copper tubes with slit coil fins, two (2) to three (3) rows, nineteen (19) to twenty-one (21) fins per inch.

### Controls Features

- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- External on/off control
- Dual thermistor control
- Dual setpoint control\*
- Filter life display\*
- Multiple auxiliary heater applications\*
- Group control
- External static pressure control
- Hot start
- Self diagnostics
- Timer (on / off)
- Weekly schedule
- Fan speed control
- Ventilation (outside air)
- Wi-Fi compatible
- Auto fan
- Leak detection

*\*To enable Generation 4 features, outdoor unit DIP Switch No. 3 must be set to ON. Please refer to the Multi V IV, Multi V Water IV, Multi V S Engineering Manual for additional information.*

# DUCTED HIGH STATIC

## General Data

### BH Units

Table 1: Ducted High Static (BH Frame) Indoor Unit General Data.

Model No.	ARNU073BHA4	ARNU093BHA4	ARNU123BHA4	ARNU153BHA4	ARNU183BHA4	ARNU243BHA4
<b>Cooling Mode Performance</b>						
Capacity (Btu/h)	7,500	9,600	12,300	15,400	19,100	24,200
Max. Power Input <sup>1</sup> (W)	150	150	150	150	150	150
L/M/H Power Input at Factory Default (W)	49 / 52 / 58	52 / 58 / 67	58 / 67 / 78	58 / 78 / 90	78 / 90 / 103	103 / 117 / 132
<b>Heating Mode Performance</b>						
Capacity (Btu/h)	8,500	10,900	13,600	17,100	21,500	27,300
Max. Power Input <sup>1</sup> (W)	150	150	150	150	150	150
L/M/H Power Input at Factory Default (W)	49 / 52 / 58	52 / 58 / 67	58 / 67 / 78	58 / 78 / 90	78 / 90 / 103	103 / 117 / 132
<b>Entering Mixed Air</b>						
Cooling Max. (°F WB)	76	76	76	76	76	76
Heating Min. (°F DB) <sup>2</sup>	59	59	59	59	59	59
<b>Unit Data</b>						
Refrigerant Type <sup>3</sup>	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Control	EEV	EEV	EEV	EEV	EEV	EEV
Sound Pressure <sup>4</sup> dB(A) (H/M/L)	34 / 33 / 32	35 / 34 / 33	37 / 35 / 34	39 / 37 / 34	40 / 38 / 37	42 / 41 / 40
Net Unit Weight (lbs.)	58.4	58.4	58.4	58.4	58.4	58.4
Shipping Weight (lbs.)	68.3	68.3	68.3	68.3	68.3	68.3
Communication Cable <sup>5</sup> (No. x AWG)	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
<b>Fan</b>						
Type	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
Motor	1	1	1	1	1	1
Housing	2	2	2	2	2	2
Motor/Drive	Brushless Digitally Controlled / Direct					
Airflow Rate H/M/L (CFM) Standard Mode	258 / 222 / 198	258 / 222 / 198	307 / 258 / 198	388 / 357 / 307	466 / 413 / 258	618 / 519 / 445
Airflow Rate H/M/L (CFM) High Mode (Factory Set)	230 / 205 / 191	286 / 230 / 205	339 / 286 / 230	399 / 339 / 230	459 / 399 / 339	565 / 509 / 459
External Static Pressure (in. wg) Standard Mode	0.23	0.23	0.23	0.23	0.23	0.23
External Static Pressure (in. wg) High Mode (Factory Set)	0.31	0.31	0.31	0.31	0.31	0.31
<b>Piping</b>						
Liquid Line (in., O.D.)	1/4 Flare	1/4 Flare	1/4 Flare	1/4 Flare	1/4 Flare	3/8 Flare
Vapor Line (in., O.D.)	1/2 Flare	1/2 Flare	1/2 Flare	1/2 Flare	1/2 Flare	5/8 Flare
Condensate Line (in., I.D.)	1	1	1	1	1	1

EEV: Electronic Expansion Valve

Power wiring is field supplied and must comply with the applicable local and national codes.

This unit comes with a dry nitrogen charge.

All capacities are net with a combination ratio between 95-105%.

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

<sup>1</sup>Max. power input is rated at maximum setting value.

<sup>2</sup>Low ambient performance with LGRED® heat technology is included in Multi V 5 Air

Source Units produced after February 2019.

<sup>3</sup>Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

<sup>4</sup>Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

<sup>5</sup>All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national codes. Ensure the communication cable is properly grounded at the master outdoor unit only. ⚡ Do not ground the ODU-IDU communication cable at any other point.



Table 2: Ducted High Static (M2 Frame) Indoor Unit General Data.

Model No.	ARNU073M2A4	ARNU093M2A4	ARNU123M2A4	ARNU153M2A4	ARNU183M2A4
<b>Cooling Mode Performance</b>					
Capacity (Btu/h)	7,500	9,600	12,300	15,400	19,100
Max Power Input <sup>1</sup> (W)	430	430	430	430	430
L/M/H Power Input at Factory Default (W)	21 / 29 / 38	21 / 29 / 38	25 / 34 / 43	25 / 34 / 43	34 / 43 / 67
<b>Heating Mode Performance</b>					
Capacity (Btu/h)	8,500	10,900	13,600	17,100	21,500
Max Power Input <sup>1</sup> (W)	430	430	430	430	430
L/M/H Power Input at Factory Default (W)	21 / 29 / 38	21 / 29 / 38	25 / 34 / 43	25 / 34 / 43	34 / 43 / 67
<b>Entering Mixed Air</b>					
Cooling Max. (°F WB)	76	76	76	76	76
Heating Min. (°F DB) <sup>2</sup>	59	59	59	59	59
<b>Unit Data</b>					
Refrigerant Type <sup>3</sup>	R410A	R410A	R410A	R410A	R410A
Refrigerant Control	EEV	EEV	EEV	EEV	EEV
Sound Pressure <sup>4</sup> dB(A) (H/M/L)	38 / 37 / 36	38 / 37 / 36	38 / 37 / 36	38 / 37 / 36	39 / 38 / 37
Net Unit Weight (lbs.)	82.9	82.9	82.9	82.9	82.9
Shipping Weight (lbs.)	95.5	95.5	95.5	95.5	95.5
Communication Cable <sup>5</sup> (No. x AWG)	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
<b>Fan</b>					
Type	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
Motor	1	1	1	1	1
Housing	2	2	2	2	2
Motor/Drive	Brushless Digitally Controlled / Direct				
Airflow Rate H/M/L (CFM) Standard Mode	477 / 399 / 327	477 / 399 / 327	520 / 435 / 363	520 / 435 / 363	640 / 520 / 435
Airflow Rate H/M/L (CFM) High Mode (Factory Set)	468 / 381 / 294	468 / 381 / 294	512 / 425 / 337	512 / 425 / 337	673 / 512 / 425
External Static Pressure (in. wg) Standard Mode	0.20	0.20	0.20	0.20	0.20
External Static Pressure (in. wg) High Mode (Factory Set)	0.24	0.24	0.24	0.24	0.24
<b>Piping</b>					
Liquid Line (in., O.D.)	1/4 Flare	1/4 Flare	1/4 Flare	1/4 Flare	1/4 Flare
Vapor Line (in., O.D.)	1/2 Flare	1/2 Flare	1/2 Flare	1/2 Flare	1/2 Flare
Condensate Line (in., I.D.)	1	1	1	1	1

EEV: Electronic Expansion Valve

Power wiring is field supplied and must comply with the applicable local and national codes.

This unit comes with a dry nitrogen charge.

All capacities are net with a combination ratio between 95-105%.

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

<sup>1</sup>Max. power input is rated at maximum setting value.

<sup>2</sup>Low ambient performance with LGRED<sup>®</sup> heat technology is included in Multi V 5 Air Source Units produced after February 2019.

<sup>3</sup>Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

<sup>4</sup>Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

<sup>5</sup>All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national codes. Ensure the communication cable is properly grounded at the master outdoor unit only. ⚠ Do not ground the ODU-IDU communication cable at any other point.

# DUCTED HIGH STATIC

## General Data

### M2 Units

Table 3: Ducted High Static (M2 Frame) Indoor Unit General Data, continued.

Model No.	ARNU243M2A4	ARNU283M2A4	ARNU363M2A4	ARNU423M2A4
<b>Cooling Mode Performance</b>				
Capacity (Btu/h)	24,200	28,000	36,200	42,000
Max Power Input <sup>1</sup> (W)	430	430	430	430
L/M/H Power Input at Factory Default (W)	34 / 43 / 67	57 / 88 / 123	88 / 123 / 184	136 / 193 / 231
<b>Heating Mode Performance</b>				
Capacity (Btu/h)	27,300	31,500	40,600	47,000
Max Power Input <sup>1</sup> (W)	450	450	450	450
L/M/H Power Input at Factory Default (W)	34 / 43 / 67	57 / 88 / 123	88 / 123 / 184	136 / 193 / 231
<b>Entering Mixed Air</b>				
Cooling Max. (°F WB)	76	76	76	76
Heating Min. (°F DB) <sup>2</sup>	59	59	59	59
<b>Unit Data</b>				
Refrigerant Type <sup>3</sup>	R410A	R410A	R410A	R410A
Refrigerant Control	EEV	EEV	EEV	EEV
Sound Pressure <sup>4</sup> dB(A) (H/M/L)	39 / 38 / 37	40 / 38 / 37	42 / 40 / 38	44 / 43 / 40
Net Unit Weight (lbs.)	82.9	86.2	86.2	86.2
Shipping Weight (lbs.)	95.5	99.2	99.2	99.2
Communication Cable <sup>5</sup> (No. x AWG)	2 x 18	2 x 18	2 x 18	2 x 18
<b>Fan</b>				
Type	Sirocco	Sirocco	Sirocco	Sirocco
Motor	1	1	1	1
Housing	2	2	2	2
Motor/Drive	Brushless Digitally Controlled / Direct			
Airflow Rate H/M/L (CFM) Standard Mode	640 / 520 / 435	892 / 770 / 645	1,021 / 844 / 695	1,262 / 1,087 / 917
Airflow Rate H/M/L (CFM) High Mode (Factory Set)	673 / 512 / 425	845 / 676 / 528	1,031 / 845 / 676	1,260 / 1,076 / 888
External Static Pressure (in. wg) Standard Mode	0.20	0.20	0.20	0.20
External Static Pressure (in. wg) High Mode (Factory Set)	0.24	0.24	0.24	0.24
<b>Piping</b>				
Liquid Line (in., O.D.)	3/8 Flare	3/8 Flare	3/8 Flare	3/8 Flare
Vapor Line (in., O.D.)	5/8 Flare	5/8 Flare	5/8 Flare	5/8 Flare
Condensate Line (in., I.D.)	1	1	1	1

EEV: Electronic Expansion Valve

Power wiring is field supplied and must comply with the applicable local and national codes.

This unit comes with a dry nitrogen charge.

All capacities are net with a combination ratio between 95-105%.

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

<sup>1</sup>Max. power input is rated at maximum setting value.

<sup>2</sup>Low ambient performance with LGRED<sup>®</sup> heat technology is included in Multi V 5 Air Source Units produced after February 2019.

<sup>3</sup>Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

<sup>4</sup>Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

<sup>5</sup>All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national codes. Ensure the communication cable is properly grounded at the master outdoor unit only. ⚡ Do not ground the ODU-IDU communication cable at any other point.

Table 4: Ducted High Static (M3 Frames) Indoor Unit General Data.

Model No.	ARNU283M3A4	ARNU363M3A4	ARNU423M3A4	ARNU483M3A4	ARNU543M3A4
<b>Cooling Mode Performance</b>					
Capacity (Btu/h)	28,000	36,200	42,000	48,100	54,000
Max Power Input <sup>1</sup> (W)	650	650	650	650	650
L/M/H Power Input at Factory Default (W)	60 / 83 / 109	75 / 107 / 161	75 / 107 / 161	75 / 107 / 172	172 / 215 / 260
<b>Heating Mode Performance</b>					
Capacity (Btu/h)	31,500	40,600	47,000	54,200	61,400
Power Input <sup>1</sup> (W)	650	650	650	650	650
L/M/H Power Input at Factory Default (W)	60 / 83 / 109	75 / 107 / 161	75 / 107 / 161	75 / 107 / 172	172 / 215 / 260
<b>Entering Mixed Air</b>					
Cooling Max. (°F WB)	76	76	76	76	76
Heating Min. (°F DB) <sup>2</sup>	59	59	59	59	59
<b>Unit Data</b>					
Refrigerant Type <sup>3</sup>	R410A	R410A	R410A	R410A	R410A
Refrigerant Control	EEV	EEV	EEV	EEV	EEV
Sound Pressure <sup>4</sup> dB(A) (H/M/L)	40/39/37	41/39/37	41/39/37	42/39/37	44/43/42
Net Unit Weight (lbs.)	96.1	96.1	96.1	96.1	96.1
Shipping Weight (lbs.)	110.0	110.0	110.0	110.0	110.0
Communication Cable <sup>5</sup> (No. x AWG)	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
<b>Fan</b>					
Type	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
Motor	1	1	1	1	1
Housing	2	2	2	2	2
Motor/Drive	Brushless Digitally Controlled / Direct				
Airflow Rate H/M/L (CFM) Standard Mode	1,235 / 1,060 / 915	1,327 / 1,097 / 952	1,327 / 1,097 / 952	1,457 / 1,189 / 952	1,720 / 1,558 / 1,424
Airflow Rate H/M/L (CFM) High Mode (Factory Set)	1,250 / 1,017 / 837	1,449 / 1,191 / 918	1,449 / 1,191 / 918	1,482 / 1,191 / 918	1,744 / 1,614 / 1,482
External Static Pressure (in. wg) Standard Mode	0.19	0.19	0.19	0.19	0.19
External Static Pressure (in. wg) High Mode (Factory Set)	0.23	0.23	0.23	0.23	0.23
<b>Piping</b>					
Liquid Line (in., O.D.)	3/8 Flare	3/8 Flare	3/8 Flare	3/8 Flare	3/8 Flare
Vapor Line (in., O.D.)	5/8 Flare	5/8 Flare	5/8 Flare	5/8 Flare	5/8 Flare
Condensate Line (in., I.D.)	1	1	1	1	1

EEV: Electronic Expansion Valve

Power wiring is field supplied and must comply with the applicable local and national codes.

This unit comes with a dry nitrogen charge.

All capacities are net with a combination ratio between 95-105%.

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

<sup>1</sup>Max. power input is rated at maximum setting value.

<sup>2</sup>Low ambient performance with LGRED<sup>®</sup> heat technology is included in Multi V 5 Air Source Units produced after February 2019.

<sup>3</sup>Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

<sup>4</sup>Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

<sup>5</sup>All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national codes. Ensure the communication cable is properly grounded at the master outdoor unit only. ⚡ Do not ground the ODU-IDU communication cable at any other point.

# DUCTED HIGH STATIC



## General Data

### B8 Units

Table 5: Ducted High Static (B8 Frames) Indoor Unit General Data.

Model No.	ARNU363B8A4	ARNU423B8A4	ARNU483B8A4	ARNU763B8A4	ARNU963B8A4
<b>Cooling Mode Performance</b>					
Capacity (Btu/h)	36,200	42,000	48,100	76,400	95,900
Max. Power Input <sup>1</sup> (W)	800	800	800	800	800
L/M/H Power Input at Factory Default (W)	403 / 420 / 478	465 / 497 / 528	482 / 500 / 538	505 / 505 / 765	750 / 750 / 800
<b>Heating Mode Performance</b>					
Capacity (Btu/h)	40,600	43,800	51,200	86,000	107,500
Max. Power Input <sup>1</sup> (W)	800	800	800	800	800
L/M/H Power Input at Factory Default (W)	403 / 420 / 478	465 / 497 / 528	482 / 500 / 538	505 / 505 / 765	750 / 750 / 800
<b>Entering Mixed Air</b>					
Cooling Max. (°F WB)	76	76	76	76	76
Heating Min. (°F DB) <sup>2</sup>	59	59	59	59	59
<b>Unit Data</b>					
Refrigerant Type <sup>3</sup>	R410A	R410A	R410A	R410A	R410A
Refrigerant Control	EEV	EEV	EEV	EEV	EEV
Sound Pressure <sup>4</sup> dB(A) (H/M/L)	46 / 45 / 42	47 / 46 / 43	47 / 46 / 44	50 / 48 / 48	52 / 50 / 50
Net Unit Weight (lbs.)	192	192	192	192	192
Shipping Weight (lbs.)	222	222	222	222	222
Communication Cable <sup>5</sup> (No. x AWG)	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
<b>Fan</b>					
Type	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
Motor	2	2	2	2	2
Housing	2	2	2	2	2
Motor/Drive	Brushless Digitally Controlled / Direct				
Airflow Rate H/M/L (CFM) Standard Mode	1,896 / 1,748 / 1,550	1,963 / 1,786 / 1,589	2,048 / 1,846 / 1,670	2,050 / 1,766 / 1,766	2,684 / 2,260 / 2,260
Airflow Rate H/M/L (CFM) High Mode (Factory Set)	1,730 / 1,317 / 1,066	1,914 / 1,458 / 1,123	2,019 / 1,518 / 1,200	2,260 / 1,766 / 1,766	2,542 / 2,260 / 2,260
External Static Pressure (in. wg) Standard Mode	0.35	0.35	0.35	0.59	0.59
External Static Pressure (in. wg) High Mode (Factory Set)	0.70	0.70	0.70	0.87	0.87
<b>Piping</b>					
Liquid Line (in., O.D.)	3/8 Brazed	3/8 Brazed	3/8 Brazed	3/8 Brazed	3/8 Brazed
Vapor Line (in., O.D.)	3/4 Brazed	3/4 Brazed	3/4 Brazed	3/4 Brazed	7/8 Brazed
Condensate Line (in., I.D.)	1	1	1	1	1

EEV: Electronic Expansion Valve

Power wiring is field supplied and must comply with the applicable local and national codes.

This unit comes with a dry nitrogen charge.

All capacities are net with a combination ratio between 95-105%.

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

<sup>1</sup>Max. power input is rated at maximum setting value.

<sup>2</sup>Low ambient performance with LGRED<sup>®</sup> heat technology is included in Multi V 5 Air Source Units produced after February 2019.

<sup>3</sup>Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

<sup>4</sup>Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

<sup>5</sup>All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national codes. Ensure the communication cable is properly grounded at the master outdoor unit only. ⚡ Do not ground the ODU-IDU communication cable at any other point.

Table 6: Ducted High Static Indoor Unit Electrical Data.

Model	Voltage Range	MCA	MOP	Rated Amps (A)	Power Supply			Power Input (W)		
					Hz	Volts	Phase	Max. Cooling	Max. Heating	L / M / H at Factory Default
BH Units										
ARNU073BHA4	208-230	1.32	15	1.06	60	208-230	1	150	150	49 / 52 / 58
ARNU093BHA4		1.32		1.06				150	150	52 / 58 / 67
ARNU123BHA4		1.32		1.06				150	150	58 / 67 / 78
ARNU153BHA4		1.32		1.06				150	150	58 / 78 / 90
ARNU183BHA4		1.32		1.06				150	150	78 / 90 / 103
ARNU243BHA4		1.32		1.06				150	150	103 / 117 / 132
M2 Units										
ARNU073M2A4	208-230	2.9	15	2.3	60	208-230	1	430	430	21 / 29 / 38
ARNU093M2A4		2.9		2.3				430	430	21 / 29 / 38
ARNU123M2A4		2.9		2.3				430	430	25 / 34 / 43
ARNU153M2A4		2.9		2.3				430	430	25 / 34 / 43
ARNU183M2A4		2.9		2.3				430	430	34 / 43 / 67
ARNU243M2A4		2.9		2.3				430	430	34 / 43 / 67
ARNU283M2A4		2.9		2.3				430	430	57 / 88 / 123
ARNU363M2A4		2.9		2.3				430	430	88 / 123 / 184
ARNU423M2A4		2.9		2.3				430	430	136 / 193 / 231
M3 Units										
ARNU283M3A4	208-230	3.1	15	2.5	60	208-230	1	650	650	60 / 83 / 109
ARNU363M3A4		3.1		2.5				650	650	75 / 107 / 161
ARNU423M3A4		3.1		2.5				650	650	75 / 107 / 161
ARNU483M3A4		3.1		2.5				650	650	75 / 107 / 172
ARNU543M3A4		3.1		2.5				650	650	172 / 215 / 260
B8 Units										
ARNU363B8A4	208-230	6.5	15	5.2	60	208-230	1	800	800	403 / 420 / 478
ARNU423B8A4		6.5		5.2				800	800	465 / 497 / 528
ARNU483B8A4		6.5		5.2				800	800	482 / 500 / 538
ARNU763B8A4		6.5		5.2				800	800	505 / 505 / 765
ARNU963B8A4		6.5		5.2				800	800	750 / 750 / 800

MCA : Minimum Circuit Ampacity.

MOP : Maximum Overcurrent Protection.

Units are suitable for use on an electrical system where voltage supplied to unit terminals is within the listed range limits.

Select wire size based on the larger MCA value.

Instead of fuse, use the circuit breaker.

Max. power input is rated at maximum setting value.

DUCTED HIGH STATIC

External Dimensions  
BH Units

Figure 3: ARNU073~243BHA4 Dimensions.

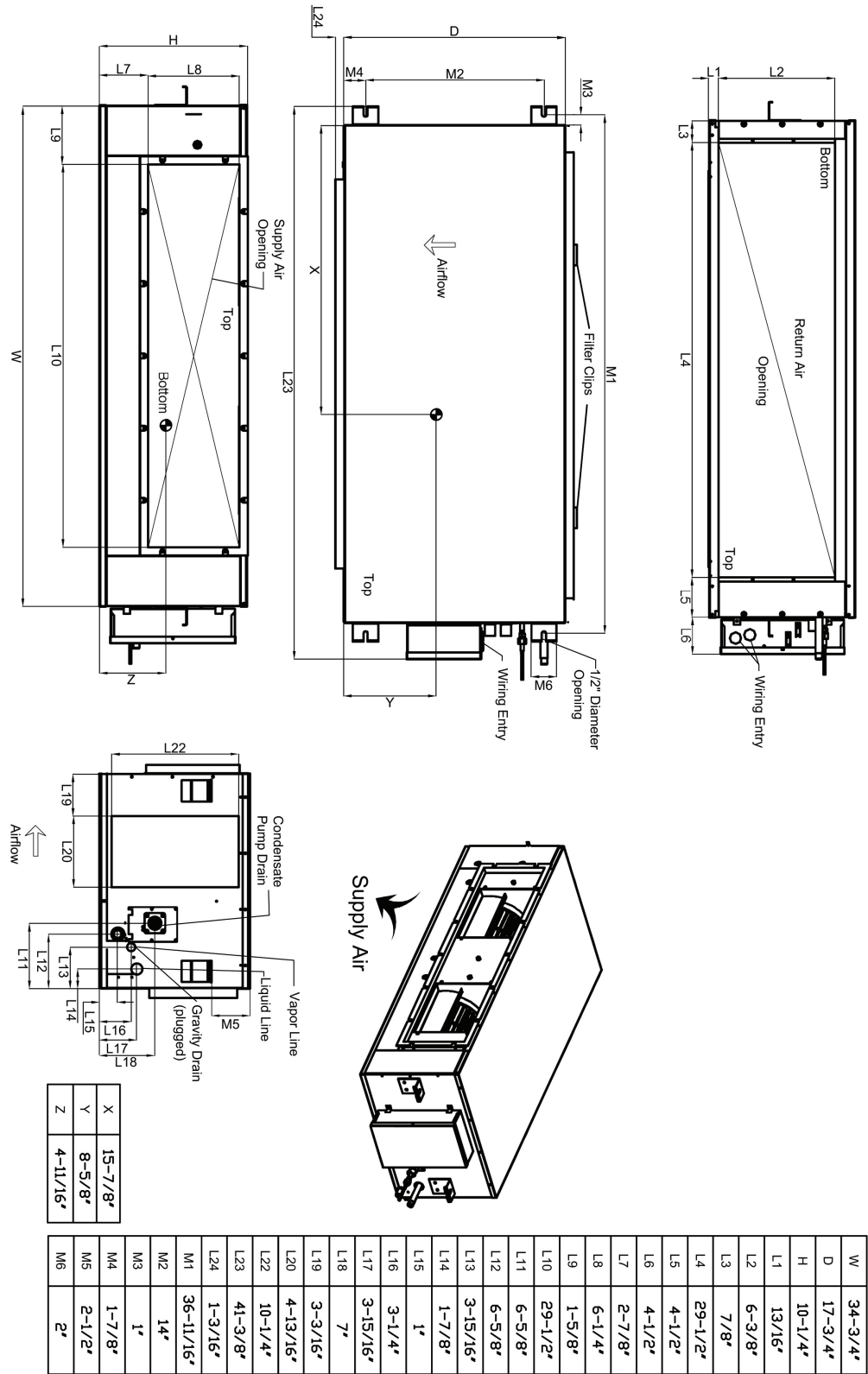
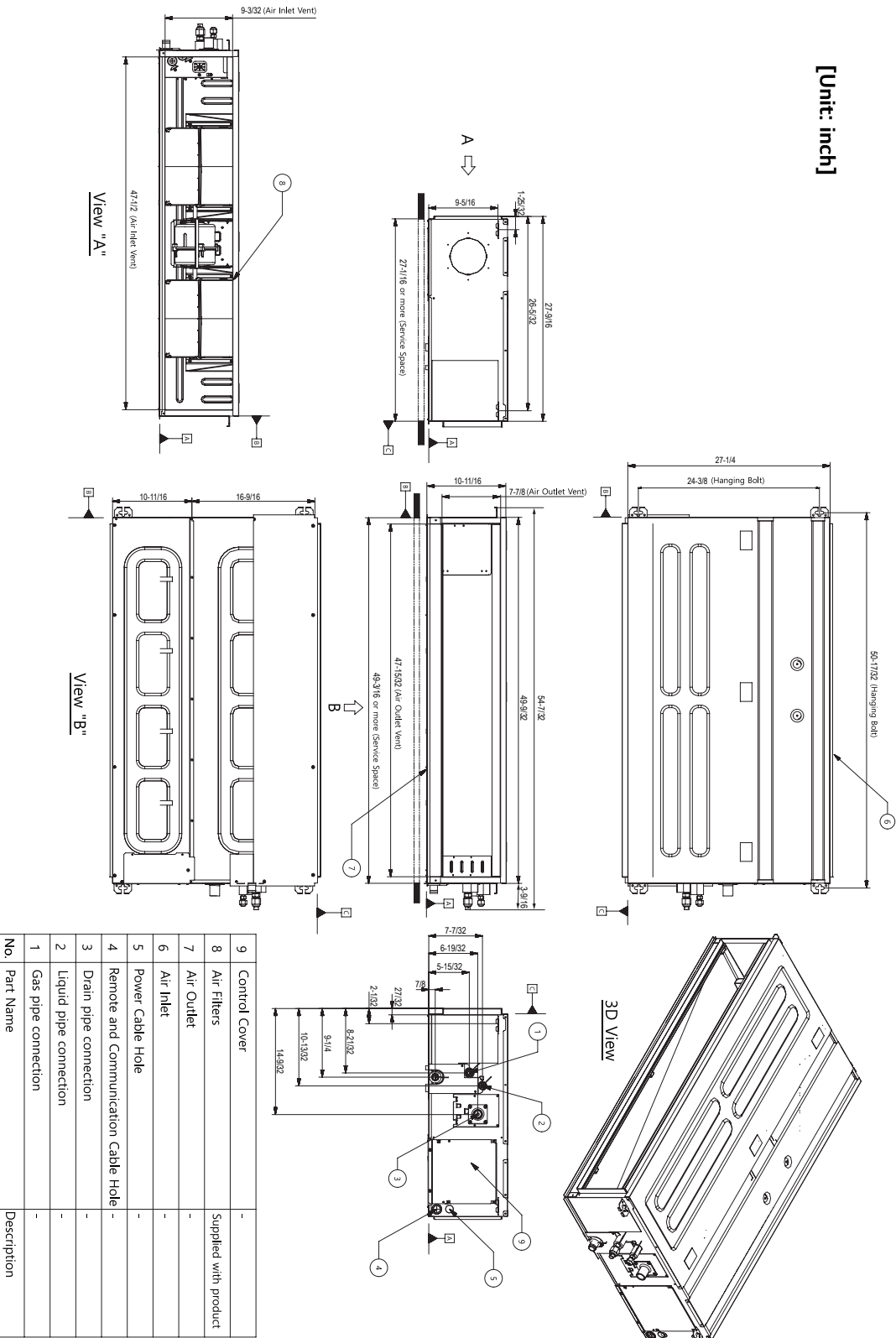


Figure 4: ARNU073~423M2A4 Dimensions.

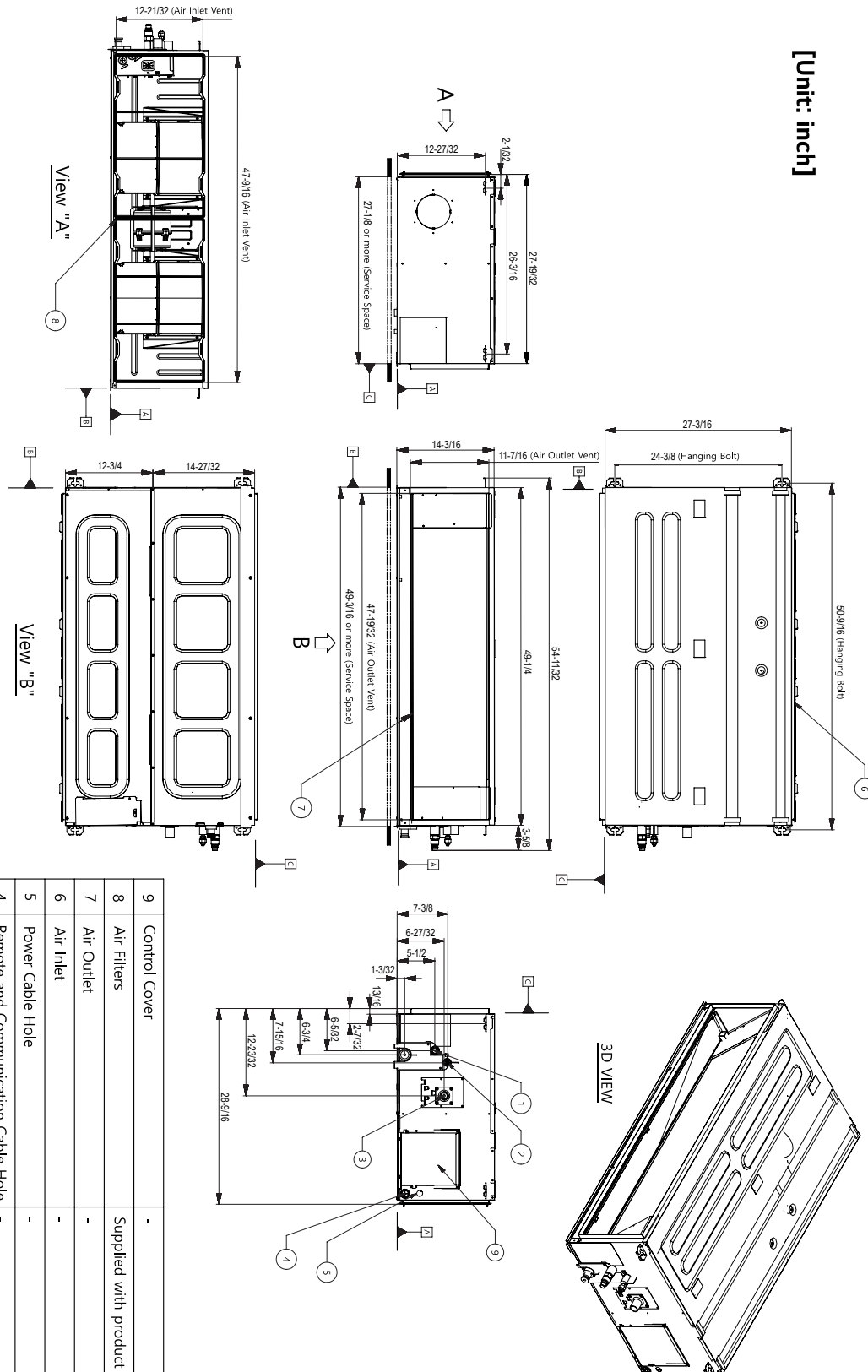




**MULTI V™**

# MULTI V Ducted Indoor Unit Engineering Manual

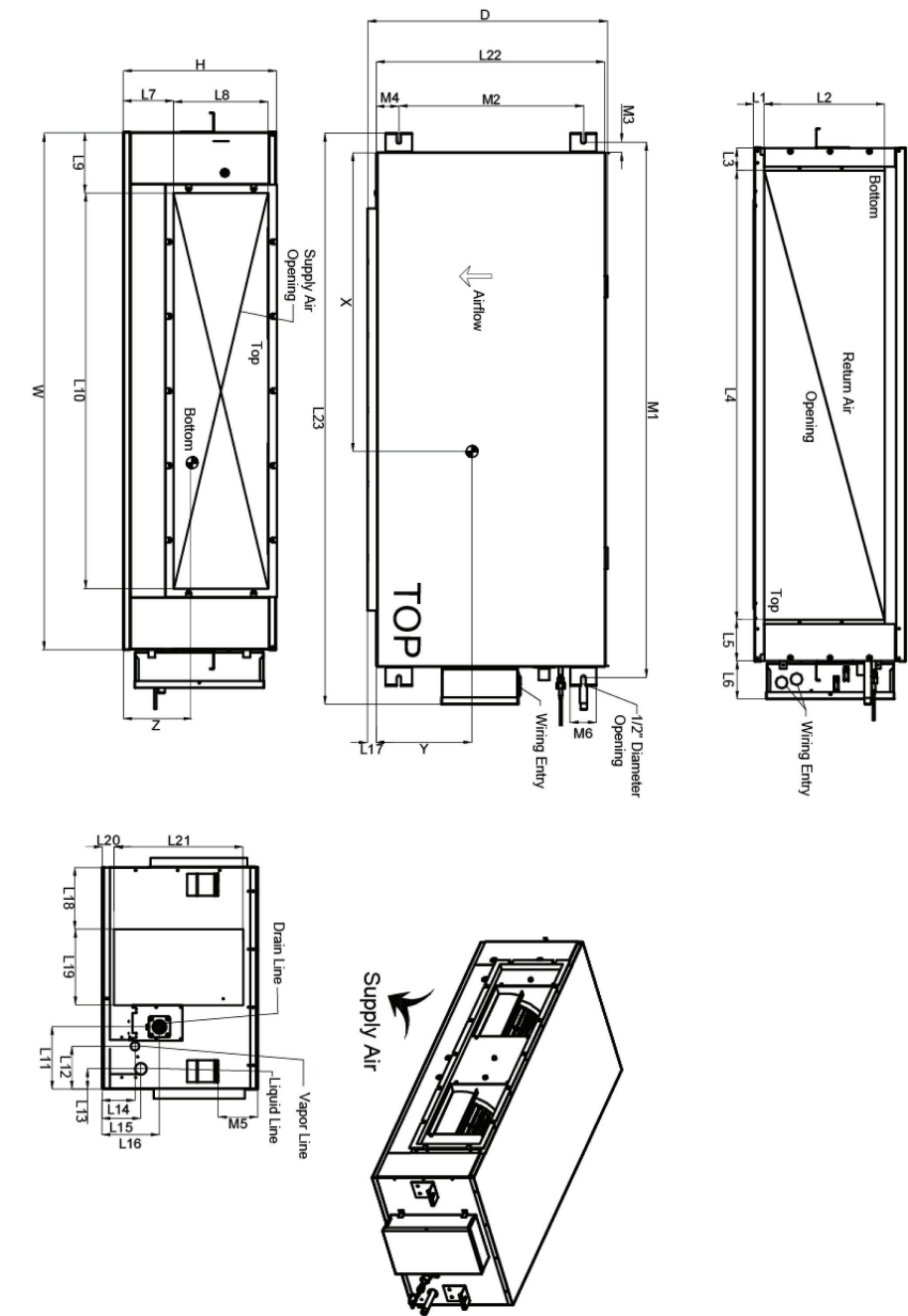
**[Unit: inch]**



9	Control Cover	-
8	Air Filters	Supplied with product
7	Air Outlet	-
6	Air Inlet	-
5	Power Cable Hole	-
4	Remote and Communication Cable Hole	-
3	Drain pipe connection	-
2	Liquid pipe connection	-
1	Gas pipe connection	-
No.	Part Name	Description



Figure 6: ARNU363~963B8A4 Dimensions.



W	61 1/2"
D	28 5/8"
H	18 1/8"
L1	2 3/8"
L2	15 7/16"
L3	2"
L4	55"
L5	4 9/16"
L6	4 1/2"
L7	6 3/8"
L8	12 1/2"
L9	6 3/4"
L10	44 1/4"
L11	7 5/8"
L12	5 1/4"
L13	2 1/2"
L14	4 3/4"
L15	5 1/2"
L16	6 7/8"
L17	1 3/16"
L18	7 13/16"
L19	9 3/16"
L20	1 5/16"
L21	15 3/8"
L22	27 1/8"
L23	68 1/4"
M1	63 13/16"
M2	22"
M3	1 3/16"
M4	2 1/2"
M5	4 1/8"
M6	3 3/16"

Center of Gravity

Note - All dimensions have a tolerance of ± 0.25 in.  
⊙ = Center of Gravity

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

## BH Units



Table 7: BH Unit Wiring Diagram Legend.

Terminal	Purpose	Function
CN-POWER	AC Power supply	AC Power line
CN-MOTOR1	Fan motor output	Motor output of BLDC
CN-DAMPER	N / A	N / A
CN-ZONE	Zone controller	Zone controller connection
CN-EXT	External on / off controller	External on / off Controller connection
CN-EEV	EEV Output	EEV control output
CN-OPTION	Optional PCB EPROM	Option PCB connection
CN-DISPLAY	Display	Display of indoor status
CN-PTC	Auxiliary heater	Connection for Auxiliary Heater
CN-CC	Dry contact	Dry Contact connection
CN-HUMID	N / A	N / A
CN-LEAK	Leak detector	Leak detector connection
CN-FLOAT	Float switch input	Float switch sensing
CN-PIPE/OUT	Discharge pipe sensor	Pipe out thermistor
CN-WF	Wi-Fi	Wi-Fi module connection
CN-AIRC	N / A	N / A
CN-PIPE/IN	Suction pipe sensor	Pipe in thermistor
CN-ROOM	Room sensor	Room air thermistor
CN-REMO	Wired remote controller	Wired remote control connection
CN-D/PUMP	Drain pump output	AC output for drain pump
CN-485	Communication	Connection between indoor and outdoor units

Table 8: BH Unit DIP Switch Settings.

DIP Switch Setting		Off	On	Remarks
SW3	GROUP CONTROL	Master	Slave	Group control setting using 7-Day Programmable Controller; selects Master / Slave on each indoor unit
SW4	DRY CONTACT MODE	Variable	Auto	Sets operation mode for optional Dry Contact accessory 1. Variable: Auto or Manual Mode can be set through 7-Day Programmable Controller or Wireless Remote Controller (factory default setting is Auto if there is no setting) 2. Auto: For Dry Contact, it is always Auto mode
SW5	CONTINUOUS FAN	Off	On	Selects continuous fan for ducted indoor units. 1. On: Indoor unit fan will always operate at a set fan speed, except when the system is off, or the outdoor unit is in defrost mode (when the outdoor unit is in defrost mode, the fan will operate at super low fan speed) 2. Off: Indoor unit fan speed can be changed by on / off

**\*For Gen 4 Multi V ducted indoor units, DIP Switches 1, 2, 6 through 8 must be set to OFF. These DIP switches are used for other models.**

**\*\*To enable Generation 4 features, outdoor unit DIP Switch No. 3 must be set to ON. Please refer to the Multi V IV, Multi V Water IV, Multi V S Engineering Manual for additional information.**

# DUCTED HIGH STATIC



## Electrical Wiring Diagram

### M2 Units

Figure 8: ARNU073~423M2A4 Wiring Diagram.

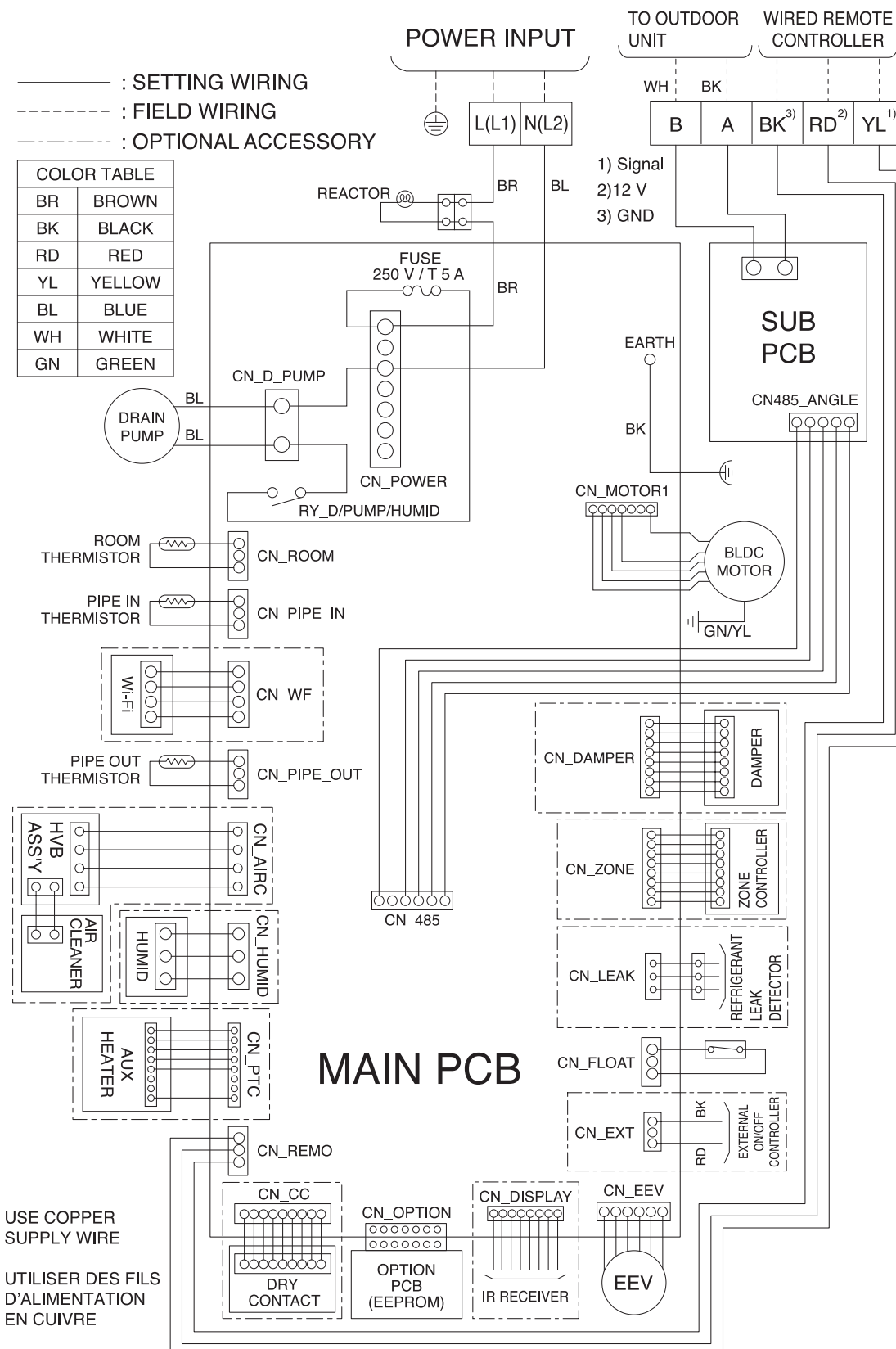


Table 9: M2 Unit Wiring Diagram Legend.

Terminal	Purpose	Function
CN-POWER	AC Power supply	AC Power line
CN-MOTOR1	Fan motor output	Motor output of BLDC
CN-VM	Sub PCB to Main PCB power supply	Power supply connection
CN-DAMPER	N / A	N / A
CN-ZONE	Zone controller	Zone controller connection
CN-EXT	External on / off controller	External on / off Controller connection
CN-EEV	EEV Output	EEV control output
CN-OPTION	Optional PCB EPROM	Option PCB connection
CN-DISPLAY	Display	Display of indoor status
CN-PTC	Auxiliary heater	Connection for Auxiliary Heater
CN-CC	Dry contact	Dry Contact connection
CN-HUMID	N / A	N / A
CN-LEAK	Leak detector	Leak detector connection
CN-FLOAT	Float switch input	Float switch sensing
CN-PIPE/OUT	Discharge pipe sensor	Pipe out thermistor
CN-WF	Wi-Fi	Wi-Fi module connection
CN-AIRC	N / A	N / A
CN-PIPE/IN	Suction pipe sensor	Pipe in thermistor
CN-ROOM	Room sensor	Room air thermistor
CN-REMO	Wired remote controller	Wired remote control connection
CN-D/PUMP	Drain pump output	AC output for drain pump
CN-485	Communication	Connection between indoor and outdoor units

Table 10: M2 Unit DIP Switch Settings.

DIP Switch Setting		Off	On	Remarks
SW3	GROUP CONTROL	Master	Slave	Group control setting using 7-Day Programmable Controller; selects Master / Slave on each indoor unit
SW4	DRY CONTACT MODE	Variable	Auto	Sets operation mode for optional Dry Contact accessory 1. Variable: Auto or Manual Mode can be set through 7-Day Programmable Controller or Wireless Remote Controller (factory default setting is Auto if there is no setting) 2. Auto: For Dry Contact, it is always Auto mode
SW5	CONTINUOUS FAN	Off	On	Selects continuous fan for ducted indoor units. 1. On: Indoor unit fan will always operate at a set fan speed, except when the system is off, or the outdoor unit is in defrost mode (when the outdoor unit is in defrost mode, the fan will operate at super low fan speed) 2. Off: Indoor unit fan speed can be changed by on / off

**\*For Gen 4 Multi V ducted indoor units, DIP Switches 1, 2, 6 through 8 must be set to OFF. These DIP switches are used for other models.**

**\*\*To enable Generation 4 features, outdoor unit DIP Switch No. 3 must be set to ON. Please refer to the Multi V IV, Multi V Water IV, Multi V S Engineering Manual for additional information.**

# DUCTED HIGH STATIC



## Electrical Wiring Diagram M3 Units

Figure 9: ARNU283~ARNU543M3A4 Wiring Diagram.

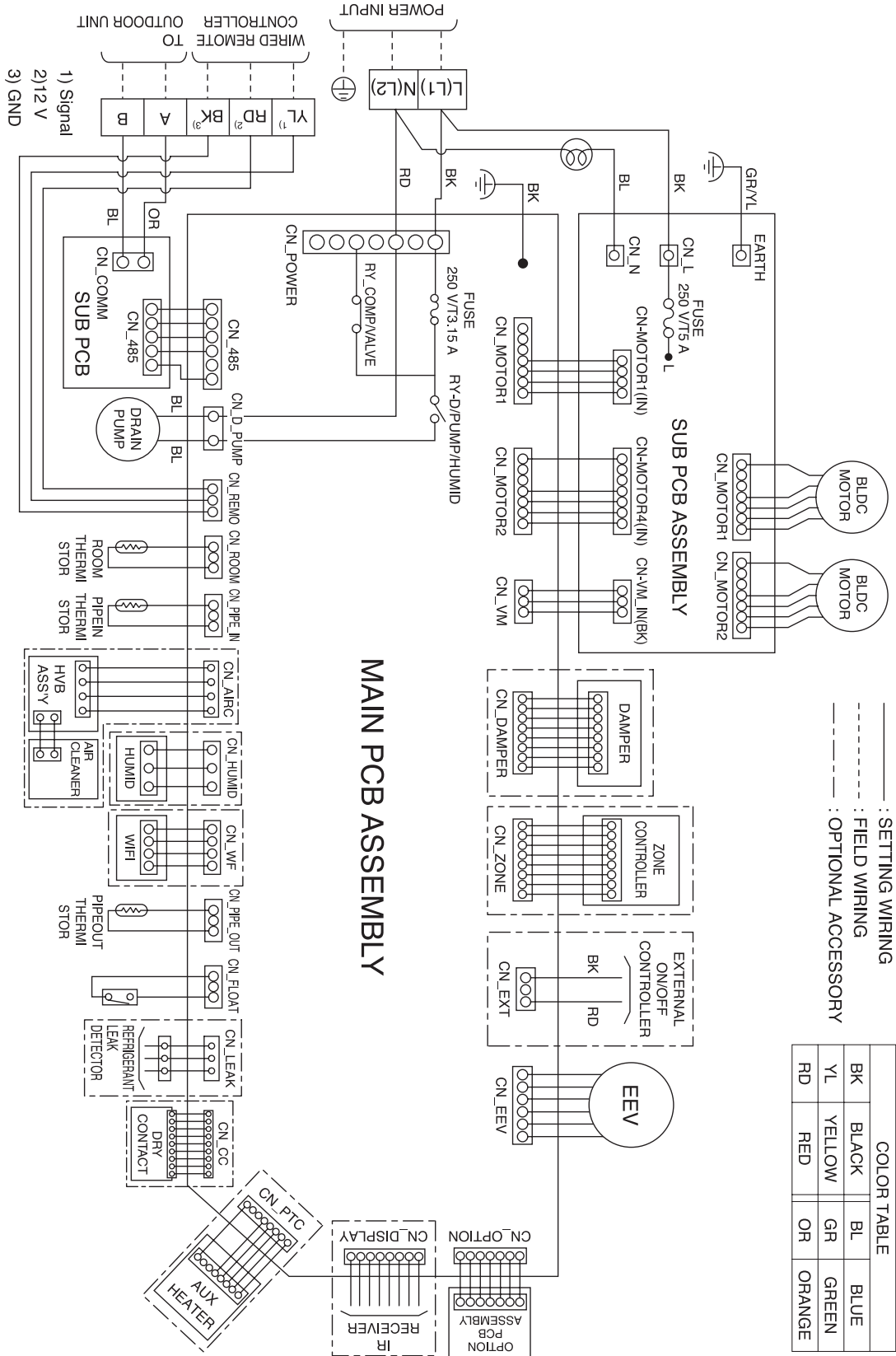


Table 11: M3 Unit Wiring Diagram Legend.

Terminal	Purpose	Function
CN-POWER	AC Power supply	AC Power line
CN-MOTOR1	Fan motor output	Motor output of BLDC
CN-MOTOR2	Fan motor output	Motor output of BLDC
CN-VM	Sub PCB to Main PCB power supply	Power supply connection
CN-DAMPER	N / A	N / A
CN-ZONE	Zone controller	Zone controller connection
CN-EXT	External on / off controller	External on / off Controller connection
CN-EEV	EEV Output	EEV control output
CN-OPTION	Optional PCB EPROM	Option PCB connection
CN-DISPLAY	Display	Display of indoor status
CN-PTC	Auxiliary heater	Connection for Auxiliary Heater
CN-CC	Dry contact	Dry Contact connection
CN-LEAK	Leak detector	Leak detector connection
CN-FLOAT	Float switch input	Float switch sensing
CN-PIPE/OUT	Discharge pipe sensor	Pipe out thermistor
CN-WF	Wi-Fi	Wi-Fi module connection
CN-HUMID	N / A	N / A
CN-AIRC	N / A	N / A
CN-PIPE/IN	Suction pipe sensor	Pipe in thermistor
CN-ROOM	Room sensor	Room air thermistor
CN-REMO	Wired remote controller	Wired remote control connection
CN-D/PUMP	Drain pump output	AC output for drain pump
CN-485	Communication	Connection between indoor and outdoor units

Table 12: M3 Unit DIP Switch Settings.

DIP Switch Setting		Off	On	Remarks
SW3	GROUP CONTROL	Master	Slave	Group control setting using 7-Day Programmable Controller; selects Master / Slave on each indoor unit
SW4	DRY CONTACT MODE	Variable	Auto	Sets operation mode for optional Dry Contact accessory 1. Variable: Auto or Manual Mode can be set through 7-Day Programmable Controller or Wireless Remote Controller (factory default setting is Auto if there is no setting) 2. Auto: For Dry Contact, it is always Auto mode
SW5	CONTINUOUS FAN	Off	On	Selects continuous fan for ducted indoor units. 1. On: Indoor unit fan will always operate at a set fan speed, except when the system is off, or the outdoor unit is in defrost mode (when the outdoor unit is in defrost mode, the fan will operate at super low fan speed) 2. Off: Indoor unit fan speed can be changed by on / off

**\*For Gen 4 Multi V ducted indoor units, DIP Switches 1, 2, 6 through 8 must be set to OFF. These DIP switches are used for other models.**

**\*\*To enable Generation 4 features, outdoor unit DIP Switch No. 3 must be set to ON. Please refer to the Multi V IV, Multi V Water IV, Multi V S Engineering Manual for additional information.**

# DUCTED HIGH STATIC

## Electrical Wiring Diagram B8 Units

Figure 10: ARNU363~963B8A4 Wiring Diagram.

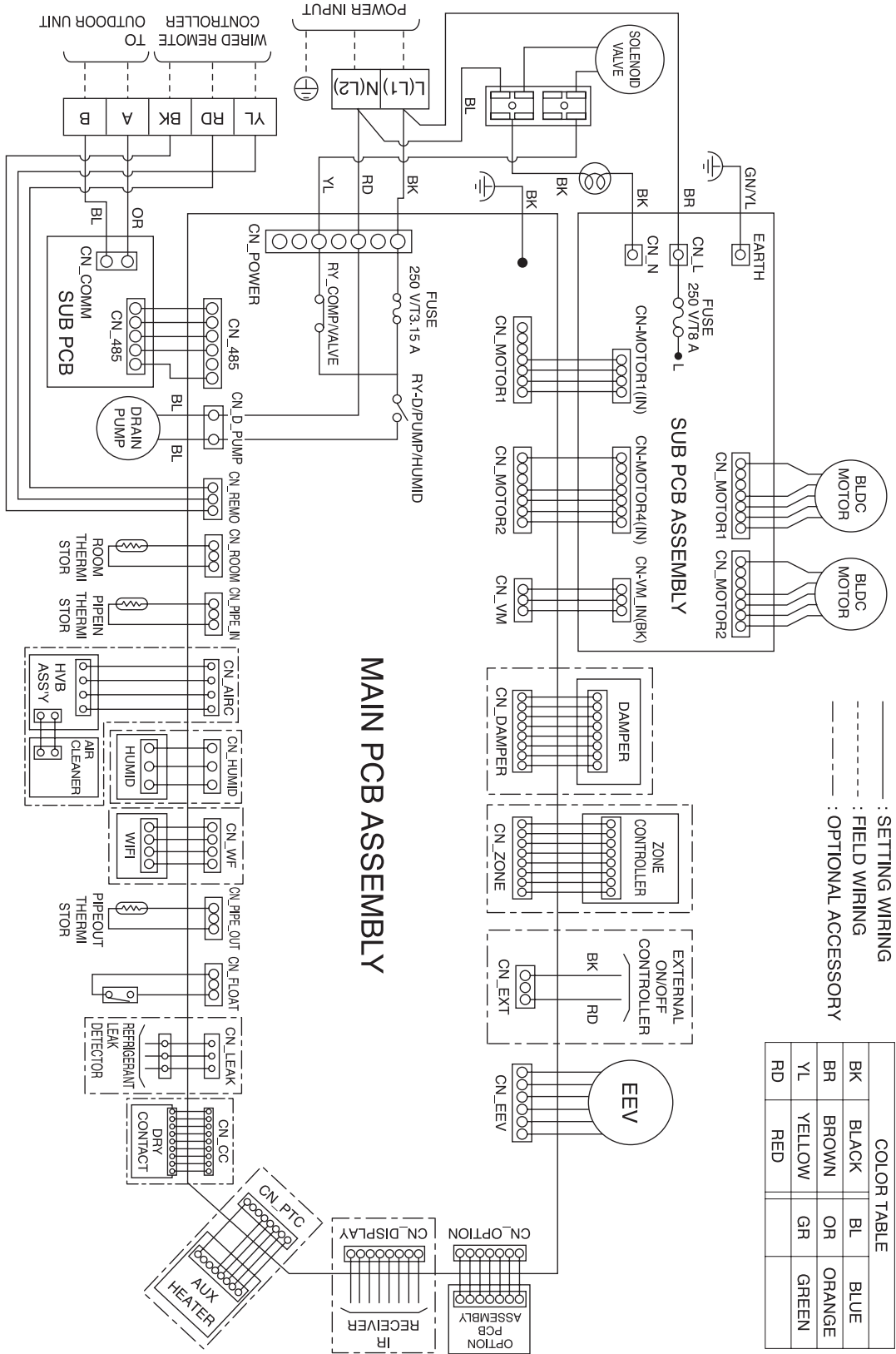




Table 13: B8 Unit Wiring Diagram Legend.

Terminal	Purpose	Function
CN-POWER	AC Power supply	AC Power line
CN-MOTOR1	Fan motor output	Motor output of BLDC
CN-MOTOR2	Fan motor output	Motor output of BLDC
CN-VM	Sub PCB to Main PCB power supply	Power supply connection
CN-DAMPER	N / A	N / A
CN-ZONE	Zone controller	Zone controller connection
CN-EXT	External on / off controller	External on / off Controller connection
CN-EEV	EEV Output	EEV control output
CN-OPTION	Optional PCB EPROM	Option PCB connection
CN-DISPLAY	Display	Display of indoor status
CN-PTC	Auxiliary heater	Connection for Auxiliary Heater
CN-CC	Dry contact	Dry Contact connection
CN-LEAK	Leak detector	Leak detector connection
CN-FLOAT	Float switch input	Float switch sensing
CN-PIPE/OUT	Discharge pipe sensor	Pipe out thermistor
CN-WF	Wi-Fi	Wi-Fi module connection
CN-HUMID	N / A	N / A
CN-AIRC	N / A	N / A
CN-PIPE/IN	Suction pipe sensor	Pipe in thermistor
CN-ROOM	Room sensor	Room air thermistor
CN-REMO	Wired remote controller	Wired remote control connection
CN-D/PUMP	Drain pump output	AC output for drain pump
CN-485	Communication	Connection between indoor and outdoor units

Table 14: B8 Unit DIP Switch Settings.

DIP Switch Setting		Off	On	Remarks
SW3	GROUP CONTROL	Master	Slave	Group control setting using 7-Day Programmable Controller; selects Master / Slave on each indoor unit
SW4	DRY CONTACT MODE	Variable	Auto	Sets operation mode for optional Dry Contact accessory 1. Variable: Auto or Manual Mode can be set through 7-Day Programmable Controller or Wireless Remote Controller (factory default setting is Auto if there is no setting) 2. Auto: For Dry Contact, it is always Auto mode
SW5	CONTINUOUS FAN	Off	On	Selects continuous fan for ducted indoor units. 1. On: Indoor unit fan will always operate at a set fan speed, except when the system is off, or the outdoor unit is in defrost mode (when the outdoor unit is in defrost mode, the fan will operate at super low fan speed) 2. Off: Indoor unit fan speed can be changed by on / off

**\*For Gen 4 Multi V ducted indoor units, DIP Switches 1, 2, 6 through 8 must be set to OFF. These DIP switches are used for other models.**

**\*\*To enable Generation 4 features, outdoor unit DIP Switch No. 3 must be set to ON. Please refer to the Multi V IV, Multi V Water IV, Multi V S Engineering Manual for additional information.**

# DUCTED HIGH STATIC

## Refrigerant Flow Diagram

### BH, M2, M3 Units

Figure 11: BH, M2, M3 Unit Refrigerant Flow Diagram.

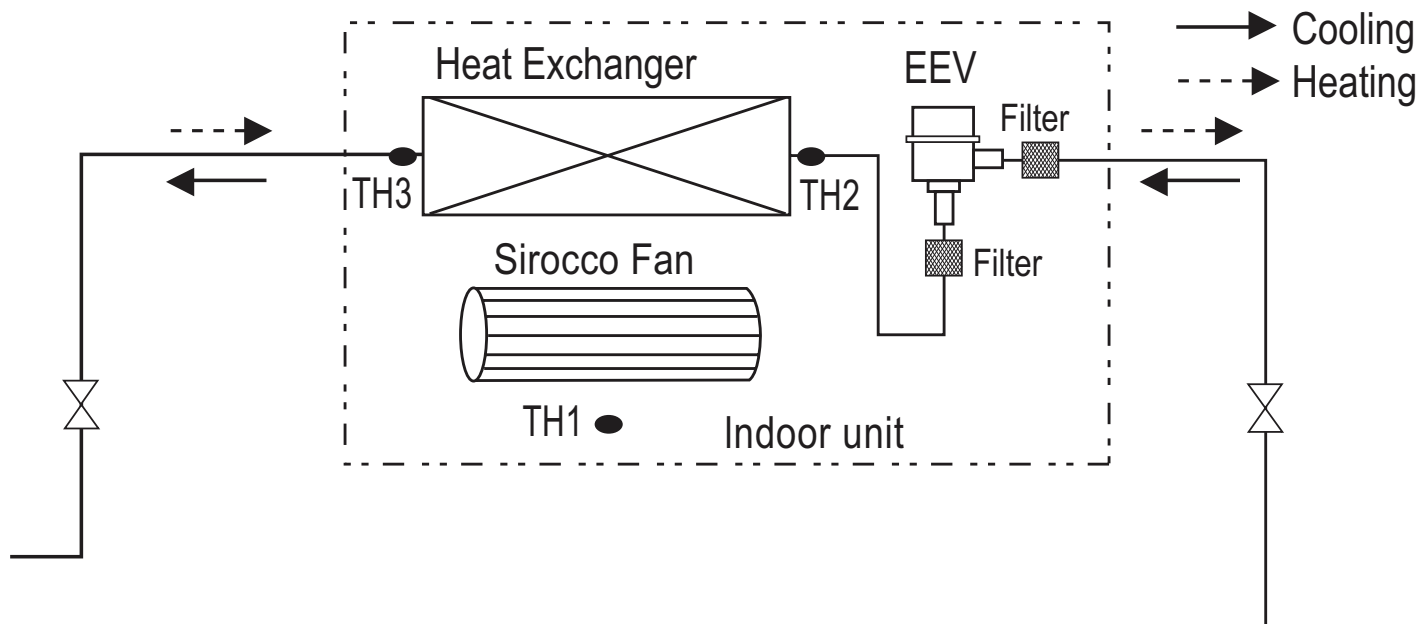


Table 15: BH, M2, M3 Unit Refrigerant Pipe Connection Port Diameters.

Model	Liquid (inch)	Vapor (inch)
<b>BH Units</b>		
ARNU073BHA4	1/4 Flare	1/2 Flare
ARNU093BHA4		
ARNU123BHA4		
ARNU153BHA4		
ARNU183BHA4		
ARNU243BHA4	3/8 Flare	5/8 Flare
<b>M2 Units</b>		
ARNU073M2A4	1/4 Flare	1/2 Flare
ARNU093M2A4	1/4 Flare	1/2 Flare
ARNU123M2A4	1/4 Flare	1/2 Flare
ARNU153M2A4	1/4 Flare	1/2 Flare
ARNU183M2A4	1/4 Flare	1/2 Flare
ARNU243M2A4	3/8 Flare	5/8 Flare
ARNU283M2A4	3/8 Flare	5/8 Flare
ARNU363M2A4	3/8 Flare	5/8 Flare
ARNU423M2A4	3/8 Flare	5/8 Flare
<b>M3 Units</b>		
ARNU283M3A4	3/8 Flare	5/8 Flare
ARNU363M3A4		
ARNU423M3A4		
ARNU483M3A4		
ARNU543M3A4		

Table 16: BH, M2, M3 Frame Thermistors.

Thermistor	Description
TH1	Return air thermistor
TH2	Pipe in thermistor
TH3	Pipe out thermistor

Figure 12: B8 Unit Refrigerant Flow Diagram.

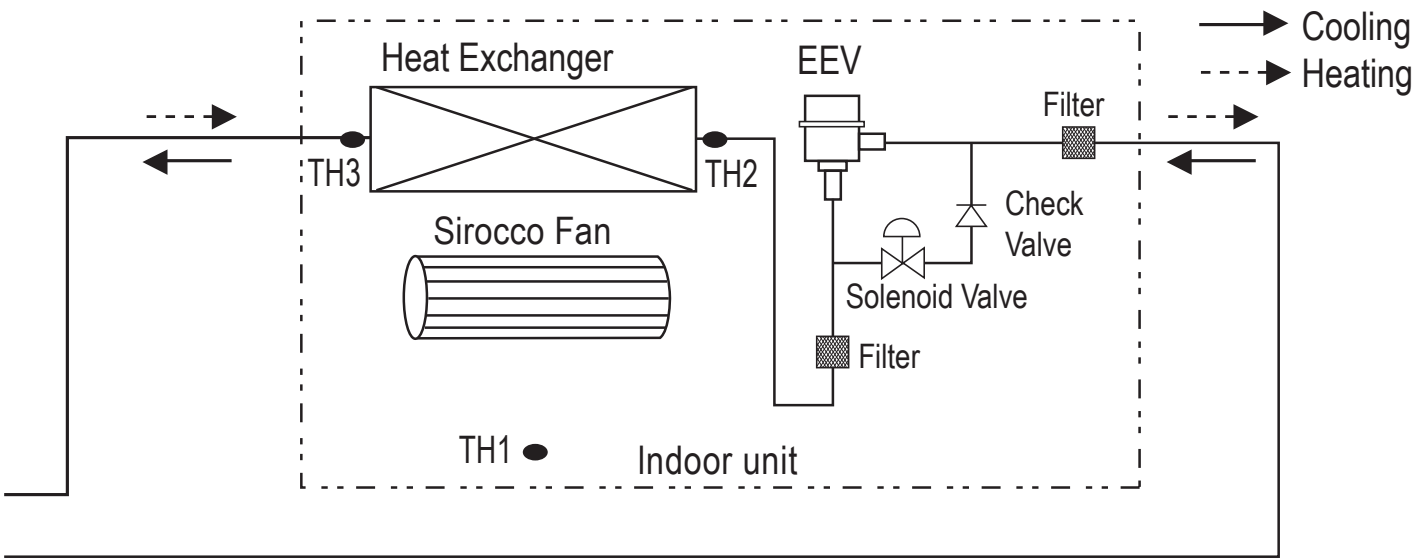


Table 17: B8 Unit Refrigerant Pipe Connection Port Diameters.

Model	Liquid (inch)	Vapor (inch)
ARNU363B8A4	3/8 Brazed	3/4 Brazed
ARNU423B8A4		
ARNU483B8A4		
ARNU763B8A4		
ARNU963B8A4		7/8 Brazed

Table 18: B8 Unit Thermistors.

Thermistor	Description
TH1	Return air thermistor
TH2	Pipe in thermistor
TH3	Pipe out thermistor

# DUCTED HIGH STATIC



## External Static Pressure and Air Flow Tables

### BH, M2 Units

#### BH Unit External Static Pressure and Air Flow Table.

Table 19: BH Unit External Static Pressure and Air Flow Table.

Set Value	Static Pressure (in. wg)								
	0.12	0.15	0.19	0.23	0.27	0.31	0.35	0.39	0.47
70	95	-	-	-	-	-	-	-	-
80	187	-	-	-	-	-	-	-	-
90	275	215	127	102	-	-	-	-	-
100	360	286	212	134	117	-	-	-	-
110	445	410	311	258	208	148	-	-	-
120	554	501	420	357	297	230	177	155	-
130	632	583	547	466	417	339	268	215	152
140	724	671	622	569	540	459	427	364	205
145	756	703	682	618	569	509	480	392	279
150	795	752	703	667	622	565	505	491	364

#### M2 Unit External Static Pressure and Air Flow Table.

ARNU073~243M2A4 External Static Pressure and Air Flow Table.

Table 20: ARNU073~243M2A4 External Static Pressure and Air Flow Table.

Set value	Static Pressure (in wg)							
	0.16	0.24	0.31	0.39	0.47	0.55	0.63	0.71
	Air Flow Rate [CFM]							
65								
70								
75	530							
80	672	267						
85	879	486	173					
90	974	720	276					
95	1073	861	554	182				
100	1168	1013	734	325	135			
105	1267	1119	851	618	238			
110	1363	1225	1077	784	406	195		
115	1416	1334	1193	985	713	321		
120		1380	1310	1108	868	632	263	
125			1358	1236	1063	748	389	235
130				1310	1130	974	551	353
135					1298	1113	857	572
140					1431	1267	1052	792
145						1407	1233	980
150							1391	1207
155								1309

1. All static pressure air flow rates are listed in CFM.
2. The tables above show the correlation between air flow rates and external static pressure.
3. The tables above show the available external static pressure range.

#### Note:

If the external static pressure of the installed indoor unit is less than the lowest value (as mentioned in the table), the indoor unit components can fail.

### M2 Unit External Static Pressure and Air Flow Table.

#### ARNU283~423M2A4 External Static Pressure and Air Flow Table.

Table 22: ARNU283~423M2A4 External Static Pressure and Air Flow Table.

Set value	Static Pressure (in wg)							
	0.16	0.24	0.31	0.39	0.47	0.55	0.63	0.71
	Air Flow Rate[CFM]							
90	812							
95	914	676						
100	1010	823						
105	1110	931	691					
110	1208	1056	854					
115	1292	1153	1016	765				
120	1383	1260	1121	926	692			
125	1473	1358	1227	1087	857			
130	1554	1456	1332	1203	1023	787		
135		1545	1437	1318	1150	971	723	
140			1534	1426	1313	1151	909	701
145				1533	1468	1320	1084	868
150					1532	1493	1249	1036
155						1543	1324	1155

### M3 Unit External Static Pressure and Air Flow Table.

#### ARNU283~543M3A4 External Static Pressure and Air Flow Table.

Table 21: M3 Unit External Static Pressure and Air Flow Table.

Set value	Static Pressure (in wg)								
	0.16	0.24	0.31	0.39	0.47	0.55	0.63	0.71	0.79
	Air Flow Rate [CFM]								
70	891								
75	1074	756							
80	1235	959	654						
85	1404	1250	869						
90	1562	1416	1111	800					
95	1741	1581	1300	1017	754				
100	1872	1744	1574	1251	978				
105	2020	1910	1737	1518	1234	935			
110		2076	1903	1691	1497	1193	858	522	
115			2069	1867	1687	1500	1108	717	646
120				2040	1874	1701	1384	1066	868
125					1913	1744	1520	1296	1168
130					1927	1860	1714	1567	1398
135								1772	1596

1. All static pressure air flow rates are listed in CFM.
2. The tables above show the correlation between air flow rates and external static pressure.
3. The tables above show the available external static pressure range.

**Note:**

If the external static pressure of the installed indoor unit is less than the lowest value (as mentioned in the table), the indoor unit components can fail.

# DUCTED HIGH STATIC

## External Static Pressure and Air Flow Tables

### B8 Units

### B8 Unit External Static Pressure and Air Flow Table.

Table 23: B8 Unit External Static Pressure and Air Flow Table.

Set Value	Static Pressure (in. wg)								
	0.23	0.35	0.47	0.59	0.71	0.79	0.86	0.90	0.98
60	1,430	-	-	-	-	-	-	-	-
65	1,861	1,388	-	-	-	-	-	-	-
70	2,249	1,663	-	-	-	-	-	-	-
75	2,511	2,009	1,578	-	-	-	-	-	-
80	2,694	2,461	1,949	-	-	-	-	-	-
85	2,941	2,775	2,380	1,974	1,123	-	-	-	-
91	3,167	3,076	2,786	2,387	1,914	-	-	-	-
95	3,298	3,227	3,040	2,719	2,345	1,787	1,059	-	-
100	3,298	3,227	3,118	2,998	2,680	2,454	2,147	1,522	-
105	3,291	3,224	3,118	2,998	2,864	2,733	2,443	2,398	1,811

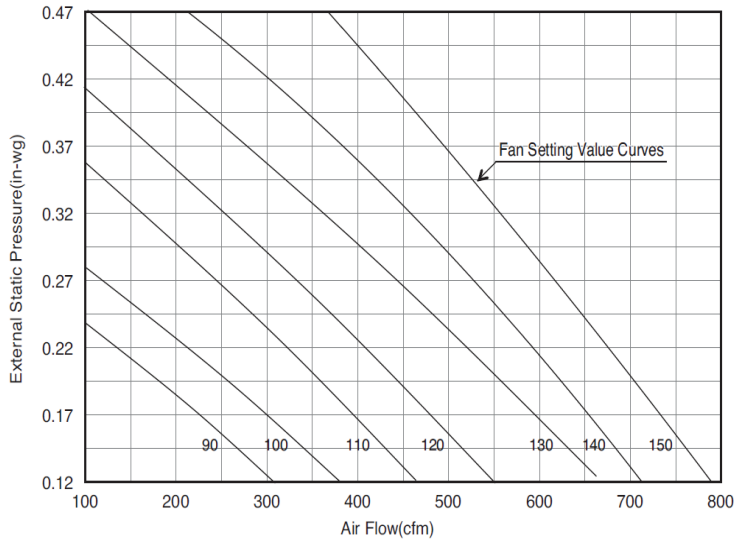
1. All static pressure air flow rates are listed in CFM.
2. The tables above show the correlation between air flow rates and external static pressure.
3. The tables above show the available external static pressure range.

**Note:**

If the external static pressure of the installed indoor unit is less than the lowest value (as mentioned in the table), the indoor unit components can fail.

### BH Unit External Static Pressure and Air Flow Chart.

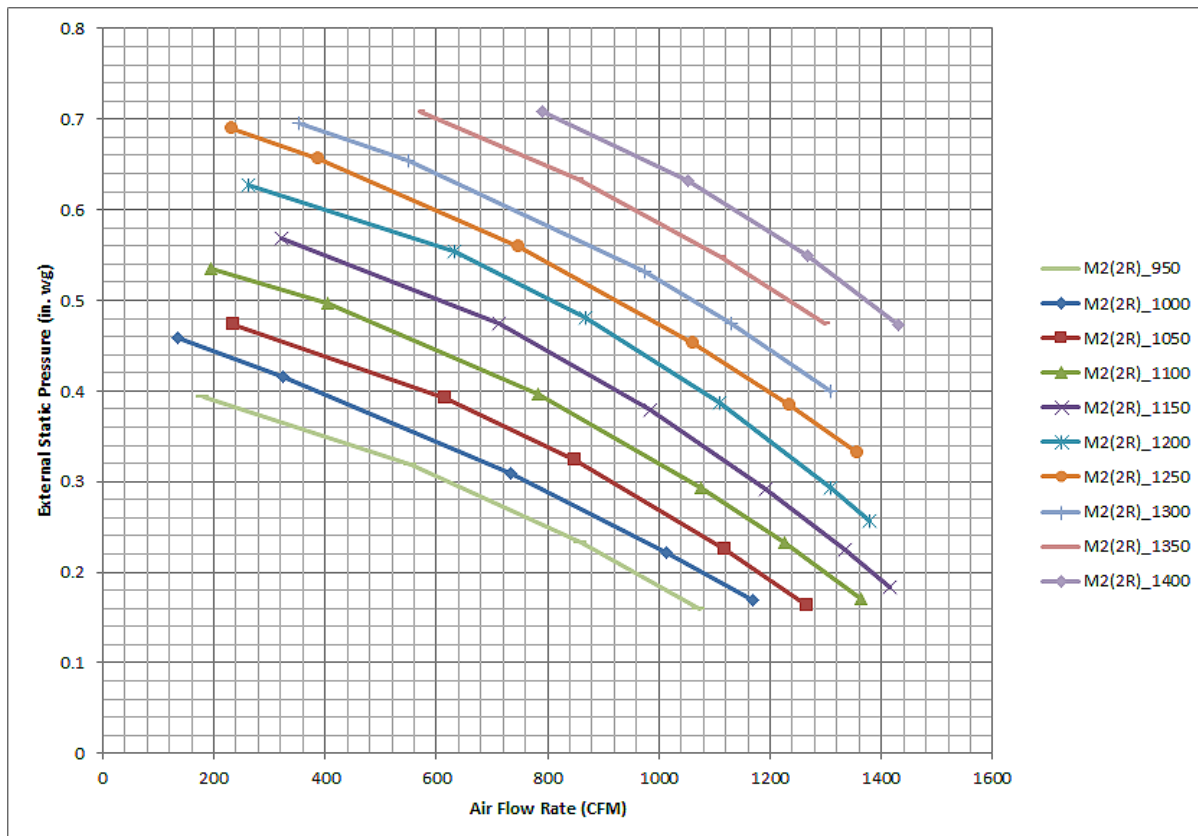
Figure 13: BH Unit External Static Pressure and Air Flow Chart.



### M2 Unit External Static Pressure and Air Flow Chart.

ARNU073~243M2A4 External Static Pressure and Air Flow chart.

Figure 14: ARNU073~243M2A4 External Static Pressure and Air Flow Chart.





# DUCTED HIGH STATIC

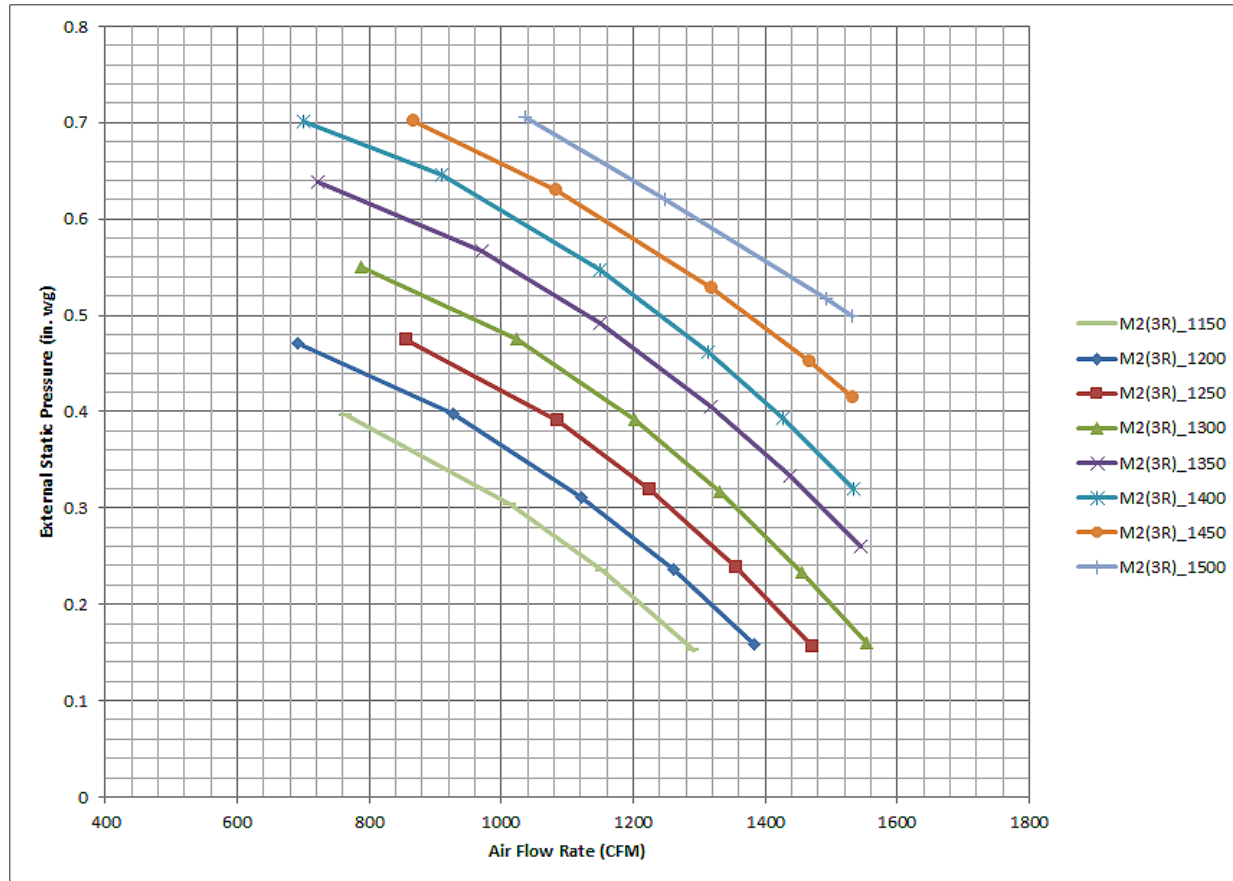
## External Static Pressure and Air Flow Charts

### M2 Units

### M2 Unit External Static Pressure and Air Flow Chart.

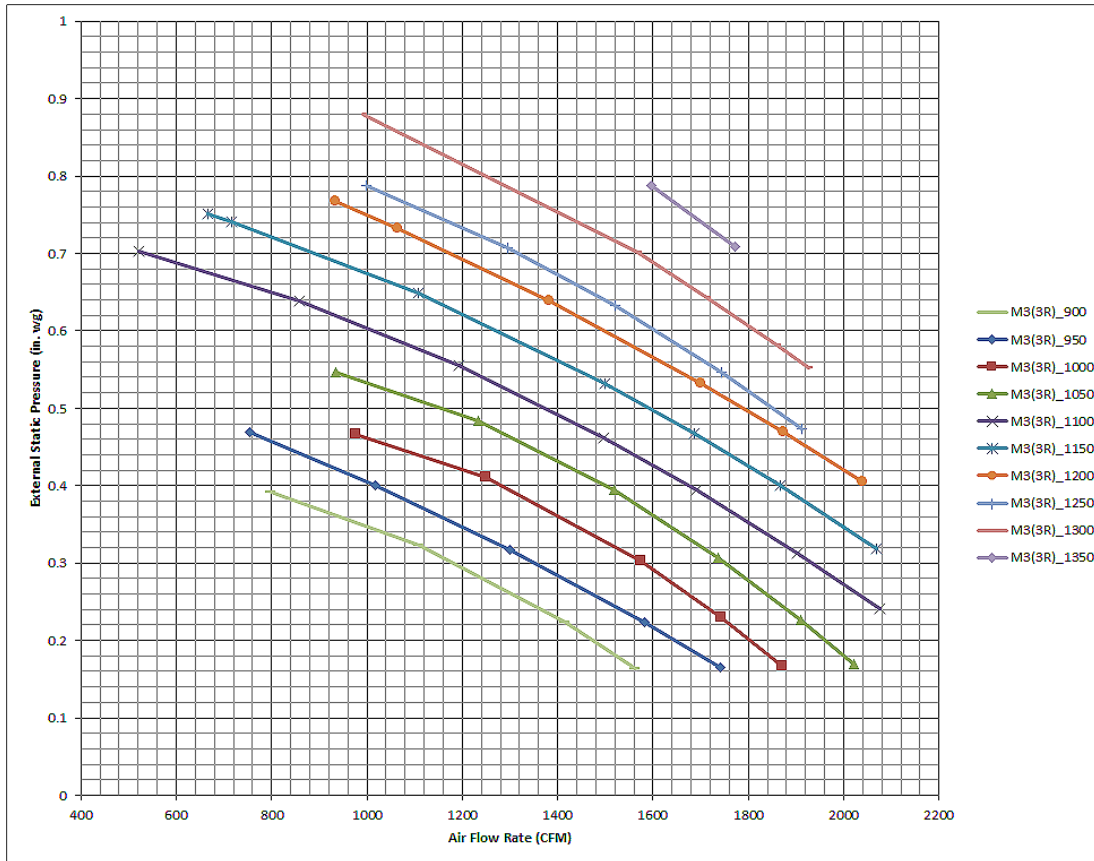
ARNU283~423M2A4 External Static Pressure and Air Flow chart.

Figure 15: ARNU283~423M2A4 External Static Pressure and Air Flow Chart.



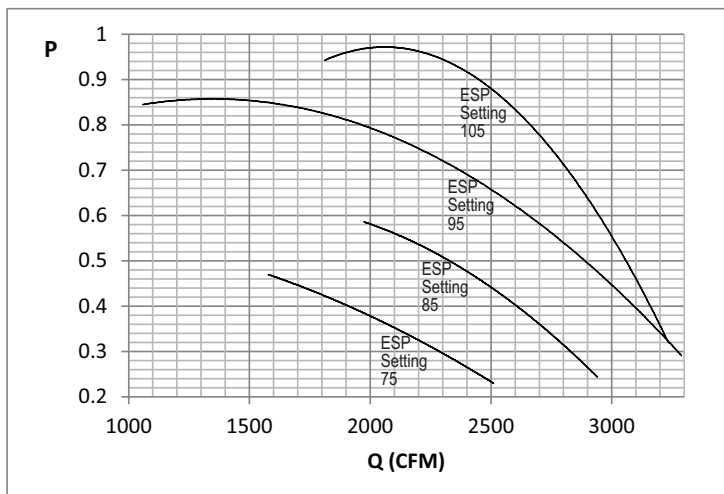
### M3 Unit External Static Pressure and Air Flow Chart.

Figure 16: M3 Unit External Static Pressure and Air Flow Chart.



### B8 Unit External Static Pressure and Air Flow Chart.

Figure 17: B8 Unit External Static Pressure and Air Flow Chart.



# DUCTED HIGH STATIC



## External Static Pressure Ranges

### BH Units

Table 24: BH Unit External Static Pressure Ranges.

Model	Capacity (MBh)	Mode	Setting Value	Standard ESP (in. wg)	CFM	Min. ESP (in. wg)	Max. ESP (in. wg)
ARNU073BHA4	7.5	High (Factory Set)	Hi	120	230	0.23	0.47
			Mid	117	205		
			Low	115	191		
		Standard	Hi	110	258	0.15	0.31
			Mid	107	222		
			Low	105	198		
ARNU093BHA4	9.6	High (Factory Set)	Hi	125	286	0.23	0.47
			Mid	120	230		
			Low	117	205		
		Standard	Hi	110	258	0.15	0.31
			Mid	107	222		
			Low	105	198		
ARNU123BHA4	12.3	High (Factory Set)	Hi	130	339	0.23	0.47
			Mid	125	286		
			Low	120	230		
		Standard	Hi	115	307	0.15	0.31
			Mid	110	258		
			Low	105	198		
ARNU153BHA4	15.4	High (Factory Set)	Hi	135	399	0.23	0.47
			Mid	130	339		
			Low	120	230		
		Standard	Hi	123	388	0.15	0.31
			Mid	120	357		
			Low	115	307		
ARNU183BHA4	19.1	High (Factory Set)	Hi	140	459	0.23	0.47
			Mid	135	399		
			Low	130	339		
		Standard	Hi	130	466	0.15	0.31
			Mid	125	413		
			Low	110	258		
ARNU243BHA4	24.2	High (Factory Set)	Hi	150	565	0.23	0.47
			Mid	145	509		
			Low	140	459		
		Standard	Hi	145	618	0.15	0.31
			Mid	135	519		
			Low	128	445		

The table above shows the available E.S.P. range.

# DUCTED HIGH STATIC

## External Static Pressure Ranges

### M2 Units

Table 25: M2 Unit External Static Pressure Ranges.

Model	Capacity (MBh)	Mode	Setting Value	Standard ESP (in wg)	CFM	Min. ESP (in wg)	Max. ESP (in wg)
ARNU073M2A4	7.0	High (Factory Set)	High	83	468	0.16	0.71
			Mid	81	381		
			Low	79	294		
		Standard	High	81	477	0.16	0.71
			Mid	79	399		
			Low	77	327		
ARNU093M2A4	9.0	High (Factory Set)	High	83	468	0.16	0.71
			Mid	81	381		
			Low	79	294		
		Standard	High	81	477	0.16	0.71
			Mid	79	399		
			Low	77	327		
ARNU123M2A4	12.0	High (Factory Set)	High	84	512	0.16	0.71
			Mid	82	425		
			Low	80	337		
		Standard	High	82	520	0.16	0.71
			Mid	80	435		
			Low	78	363		
ARNU153M2A4	15.0	High (Factory Set)	High	84	512	0.16	0.71
			Mid	82	425		
			Low	80	337		
		Standard	High	82	520	0.16	0.71
			Mid	80	435		
			Low	78	363		
ARNU183M2A4	18.0	High (Factory Set)	High	89	673	0.16	0.71
			Mid	84	512		
			Low	82	425		
		Standard	High	84	640	0.16	0.71
			Mid	82	520		
			Low	80	435		
ARNU243M2A4	24.0	High (Factory Set)	High	89	673	0.16	0.71
			Mid	84	512		
			Low	82	425		
		Standard	High	84	640	0.16	0.71
			Mid	82	520		
			Low	80	435		

The table above shows the available E.S.P. range.

# DUCTED HIGH STATIC



## External Static Pressure Ranges

### M2 Units, continued.

Table 26: M2 Unit External Static Pressure Ranges.

Model	Capacity (MBh)	Mode	Setting Value	Standard ESP (in wg)	CFM	Min. ESP (in wg)	Max. ESP (in wg)
ARNU283M2A4	28.0	High (Factory Set)	High	101	845	0.16	0.71
			Mid	95	676		
			Low	90	528		
		Standard	High	99	892	0.16	0.71
			Mid	94	770		
			Low	89	645		
ARNU363M2A4	36.0	High (Factory Set)	High	109	1031	0.16	0.71
			Mid	101	845		
			Low	95	676		
		Standard	High	105	1021	0.16	0.71
			Mid	97	844		
			Low	92	695		
ARNU423M2A4	42.0	High (Factory Set)	High	120	1260	0.16	0.71
			Mid	111	1076		
			Low	103	888		
		Standard	High	117	1262	0.16	0.71
			Mid	108	1087		
			Low	103	917		

The table above shows the available E.S.P. range.

Table 27: M3 Unit External Static Pressure Ranges.

Model	Capacity (MBh)	Mode		Setting Value	Standard ESP (in wg)	CFM	Min. ESP (in wg)	Max. ESP (in wg)
ARNU283M3A4	28.0	High (Factory Set)	High	86	0.23	1250	0.16	0.79
			Mid	82		1017		
			Low	78		837		
		Standard	High	83	0.19	1235	0.16	0.79
			Mid	79		1060		
			Low	75		915		
ARNU363M3A4	36.0	High (Factory Set)	High	90	0.23	1449	0.16	0.79
			Mid	84		1191		
			Low	79		918		
		Standard	High	85	0.19	1327	0.16	0.79
			Mid	80		1097		
			Low	76		952		
ARNU423M3A4	42.0	High (Factory Set)	High	90	0.23	1449	0.16	0.79
			Mid	84		1191		
			Low	79		918		
		Standard	High	85	0.19	1327	0.16	0.79
			Mid	80		1097		
			Low	76		952		
ARNU483M3A4	48.0	High (Factory Set)	High	92	0.23	1482	0.16	0.79
			Mid	84		1191		
			Low	79		918		
		Standard	High	89	0.19	1457	0.16	0.79
			Mid	82		1189		
			Low	76		952		
ARNU543M3A4	54.0	High (Factory Set)	High	100	0.23	1744	0.16	0.79
			Mid	96		1614		
			Low	92		1482		
		Standard	High	97	0.19	1720	0.16	0.79
			Mid	92		1558		
			Low	88		1424		

The table above shows the available E.S.P. range.

# DUCTED HIGH STATIC



## External Static Pressure Ranges

### B8 Units

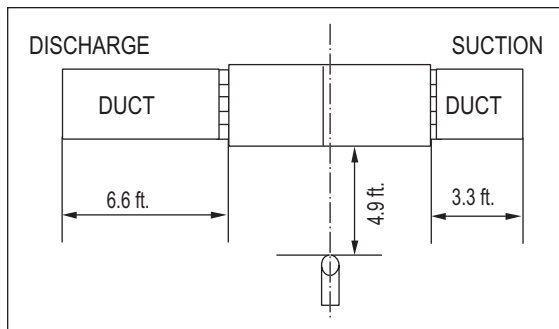
Table 28: B8 Unit External Static Pressure Ranges.

Model	Capacity (MBh)	Mode		Setting Value	Standard ESP (in. wg)	CFM	Min. ESP (in. wg)	Max. ESP (in. wg)
ARNU363B8A4	36.2	High (Factory Set)	High	92	0.70	1,730	0.35	0.98
			Mid	88		1,317		
			Low	84		1,067		
		Standard	High	74	0.35	1,896	0.35	0.98
			Mid	70		1,748		
			Low	66		1,550		
ARNU423B8A4	42.0	High (Factory Set)	High	93	0.70	1,914	0.35	0.98
			Mid	89		1,459		
			Low	85		1,123		
		Standard	High	75	0.35	1,964	0.35	0.98
			Mid	71		1,787		
			Low	66		1,589		
ARNU483B8A4	48.1	High (Factory Set)	High	94	0.70	2,020	0.35	0.98
			Mid	90		1,519		
			Low	86		1,201		
		Standard	High	76	0.35	2,048	0.35	0.98
			Mid	71		1,847		
			Low	67		1,670		
ARNU763B8A4	76.4	High (Factory Set)	High	102	0.86	2,119	0.47	0.98
			Mid	98		1,766		
			Low	98		1,766		
		Standard	High	86	0.59	2,260	0.47	0.98
			Mid	83		1,766		
			Low	83		1,766		
ARNU963B8A4	95.9	High (Factory Set)	High	105	0.86	2,542	0.47	0.98
			Mid	102		2,260		
			Low	102		2,260		
		Standard	High	94	0.59	2,684	0.47	0.98
			Mid	89		2,260		
			Low	89		2,260		

The table above show the available E.S.P. range.



Figure 18: Sound Pressure Measurement Location.



- Measurements are taken 4.9 ft away from the front of the unit.
  - Sound pressure levels are measured in dB(A) with a tolerance of  $\pm 3$ .
  - Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
- Operating Conditions:
- Power source: 220V/60 Hz
  - Sound level will vary depending on a range of factors including the construction (acoustic absorption coefficient) of a particular room in which the unit was installed.

## Sound Pressure for BH Units.

Table 29: BH Indoor Unit Sound Pressure Levels.

Model	Sound Pressure Levels dB(A)		
	High Fan Speed	Medium Fan Speed	Low Fan Speed
<i>BH Units</i>			
ARNU073BHA4	34	33	32
ARNU093BHA4	35	34	33
ARNU123BHA4	37	35	34
ARNU153BHA4	39	37	34
ARNU183BHA4	40	38	37
ARNU243BHA4	42	40	39

## Sound Pressure for M2 Units.

Table 30: M2 Indoor Unit Sound Pressure Levels.

Model	Sound Pressure Levels [dB(A), H-M-L]			
	External Static Pressure [in wg]			
	0.16	0.20	0.24	0.71
ARNU073M2A4	32-31-29	33-33-32	38-37-36	42-42-41
ARNU093M2A4	32-31-29	33-33-32	38-38-36	42-42-41
ARNU123M2A4	32-32-29	34-33-32	38-38-36	43-42-41
ARNU153M2A4	32-32-29	34-33-32	38-38-36	43-42-41
ARNU183M2A4	33-32-32	34-34-33	39-38-37	44-43-42
ARNU243M2A4	33-32-32	34-34-33	39-38-37	44-43-42
ARNU283M2A4	40-39-41	40-39-38	40-39-37	48-48-49
ARNU363M2A4	41-40-41	42-40-38	42-40-38	48-48-48
ARNU423M2A4	46-44-41	45-43-41	44-43-40	49-48-48

# DUCTED HIGH STATIC

## Acoustic Data

### Sound Pressure Levels

#### Sound Pressure for M3 Units.

Table 31: M3 Indoor Unit Sound Pressure Levels.

Model	Sound Pressure Levels [dB(A), H-M-L]			
	External Static Pressure [in wg]			
	0.16	0.20	0.24	0.79
ARNU283M3A4	38-37-33	39-37-35	40-39-37	46-46-44
ARNU363M3A4	39-38-34	40-38-36	41-39-37	45-45-46
ARNU423M3A4	39-38-34	40-38-36	41-39-37	45-45-46
ARNU483M3A4	40-38-37	41-39-36	42-39-37	47-45-46
ARNU543M3A4	44-42-40	44-42-41	44-43-42	47-47-47

#### Sound Pressure for B8 Units.

Table 32: B8 Indoor Unit Sound Pressure Levels.

Model	Sound Pressure Levels dB(A)		
	High Fan Speed	Medium Fan Speed	Low Fan Speed
<i>B8 Units</i>			
ARNU363B8A4	46	45	42
ARNU423B8A4	47	46	43
ARNU483B8A4	47	46	44
ARNU763B8A4	50	48	48
ARNU963B8A4	52	50	50

Figure 19: ARNU073BHA4, ARNU093BHA4, and ARNU123BHA4 Sound Pressure Level Diagrams.

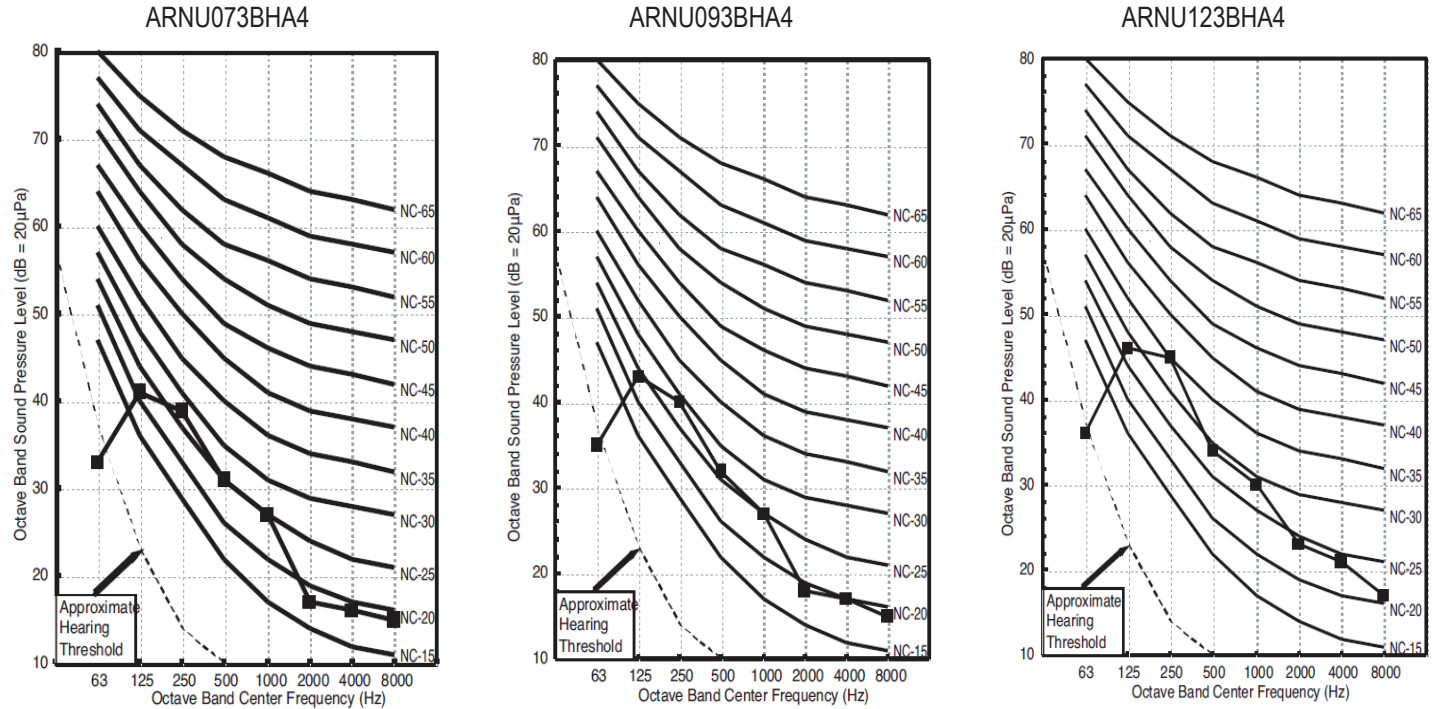
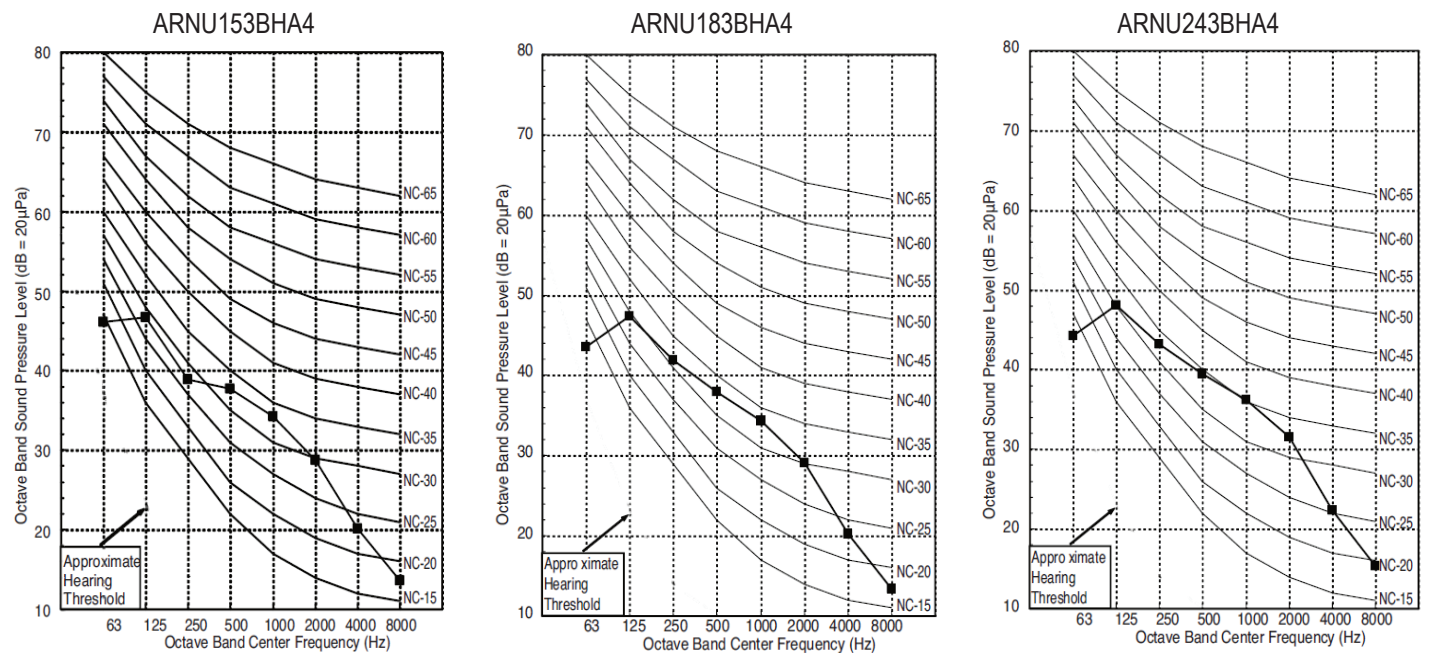


Figure 20: ARNU153BHA4, ARNU183BHA4, and ARNU243BHA4 Sound Pressure Level Diagrams.



# DUCTED HIGH STATIC

## Acoustic Data

### Sound Pressure Data for M2 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU423M2A4	RETURN OPENING	H	0.16	1170	1328	36	48	44	46	45	40	34	29
		M		1080	1169	33	45	41	43	42	37	31	26
		L		1000	1010	36	40	39	42	41	35	28	21
	CASING RADIATED	H		1170	1328	32	50	40	39	40	35	28	23
		M		1080	1169	29	47	37	36	36	32	25	19
		L		1000	1010	34	37	38	37	37	33	24	17
	DUCTED DISCHARGE	H		1170	1328	42	46	46	49	50	45	40	38
		M		1080	1169	39	43	44	46	47	43	37	35
		L		1000	1010	38	39	41	45	45	40	33	30
ARNU363M2A4	RETURN OPENING	H	0.16	1010	1030	37	40	40	43	41	36	28	22
		M		930	873	35	39	38	41	39	34	27	20
		L		880	770	35	34	43	38	35	29	21	13
	CASING RADIATED	H		1010	1030	35	37	39	38	38	33	25	18
		M		930	873	32	35	37	36	35	31	22	15
		L		880	770	37	32	38	31	30	24	16	8
	DUCTED DISCHARGE	H		1010	1030	39	40	42	45	46	41	34	31
		M		930	873	37	38	40	43	43	39	32	28
		L		880	770	38	34	45	40	39	34	26	19
ARNU283M2A4	RETURN OPENING	H	0.16	960	933	36	40	39	42	41	35	28	21
		M		920	853	35	39	38	41	40	34	27	21
		L		880	770	36	34	44	38	36	29	22	14
	CASING RADIATED	H		960	933	34	36	38	37	37	32	24	17
		M		920	853	32	35	37	36	36	31	23	16
		L		880	770	38	32	38	32	31	25	17	8
	DUCTED DISCHARGE	H		960	933	38	39	41	44	45	40	33	30
		M		920	853	37	38	40	43	44	39	32	29
		L		880	770	39	34	45	41	40	34	27	20
ARNU243M2A4	RETURN OPENING	H	0.16	810	713	35	34	43	38	35	28	21	13
		M		770	587	35	33	43	37	34	28	20	13
		L		730	463	34	33	42	37	34	28	20	12
	CASING RADIATED	H		810	713	36	31	37	30	29	23	15	7
		M		770	587	35	30	36	29	28	23	14	6
		L		730	463	34	29	35	29	28	22	13	5
	DUCTED DISCHARGE	H		810	713	37	33	44	39	38	33	25	18
		M		770	587	36	32	43	38	37	32	24	17
		L		730	463	35	31	42	38	36	31	23	16

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU183M2A4	RETURN OPENING	H	0.16	810	713	36	34	44	38	36	29	21	14
		M		770	587	35	34	43	38	35	29	21	13
		L		730	463	35	33	43	37	35	28	21	13
	CASING RADIATED	H		810	713	37	31	38	31	30	24	16	7
		M		770	587	36	31	37	30	29	23	15	6
		L		730	463	35	30	36	29	28	22	14	5
	DUCTED DISCHARGE	H		810	713	38	33	45	40	39	34	26	19
		M		770	587	37	32	44	39	38	33	25	18
		L		730	463	36	31	43	38	37	32	24	17
ARNU153M2A4	RETURN OPENING	H	0.16	770	587	36	34	44	38	35	29	21	14
		M		730	463	35	34	43	38	35	29	21	13
		L		690	323	35	33	43	37	35	28	21	13
	CASING RADIATED	H		770	587	36	31	37	30	29	24	15	7
		M		730	463	35	30	36	30	29	23	14	6
		L		690	323	35	29	36	29	28	22	14	5
	DUCTED DISCHARGE	H		770	587	37	33	44	40	38	33	25	18
		M		730	463	36	32	43	39	37	32	24	18
		L		690	323	35	31	42	38	36	31	23	17
ARNU123M2A4	RETURN OPENING	H	0.16	770	587	36	35	44	39	36	29	22	14
		M		730	463	36	34	44	38	36	29	21	14
		L		690	323	35	34	43	38	35	29	21	13
	CASING RADIATED	H		770	587	37	31	38	31	30	24	16	7
		M		730	463	36	31	37	30	29	23	15	6
		L		690	323	35	30	36	29	28	22	14	6
	DUCTED DISCHARGE	H		770	587	38	33	45	40	39	33	26	19
		M		730	463	37	32	44	39	38	32	25	18
		L		690	323	36	31	43	38	37	32	24	17
ARNU093M2A4	RETURN OPENING	H	0.16	760	559	37	35	45	39	36	30	22	15
		M		720	430	36	35	44	39	36	30	22	14
		L		680	284	36	34	44	38	36	29	22	14
	CASING RADIATED	H		760	559	37	32	38	31	30	24	16	8
		M		720	430	36	31	37	31	30	24	15	7
		L		680	284	36	30	36	30	29	23	15	6
	DUCTED DISCHARGE	H		760	559	38	34	45	40	39	34	26	19
		M		720	430	37	33	44	39	38	33	25	18
		L		680	284	36	32	43	39	37	32	24	17
ARNU073M2A4	RETURN OPENING	H	0.16	760	559	37	36	45	40	37	30	23	15
		M		720	430	37	35	45	39	37	30	23	15
		L		680	284	36	35	44	39	36	30	22	14
	CASING RADIATED	H		760	559	38	32	39	32	31	25	17	8
		M		720	430	37	32	38	31	30	24	16	7
		L		680	284	36	31	37	30	29	23	15	7
	DUCTED DISCHARGE	H		760	559	39	34	45	41	40	34	27	20
		M		720	430	38	33	45	40	39	33	26	19
		L		680	284	37	32	44	39	38	32	25	18

# DUCTED HIGH STATIC

## Acoustic Data

### Sound Pressure Data for M2 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU423M2A4	RETURN OPENING	H	0.20	1170	1262	36	46	44	46	46	40	33	27
		M		1080	1087	33	44	41	43	43	37	30	24
		L		1000	917	37	39	39	42	41	35	28	21
	CASING RADIATED	H		1170	1262	33	46	44	42	43	38	30	23
		M		1080	1087	29	43	41	38	40	34	27	19
		L		1000	917	34	36	38	37	37	33	24	15
	DUCTED DISCHARGE	H		1170	1262	48	43	47	49	50	45	39	36
		M		1080	1087	45	41	45	46	47	42	36	33
		L		1000	917	43	41	41	44	44	39	33	28
ARNU363M2A4	RETURN OPENING	H	0.20	1050	1021	33	43	41	43	43	36	30	24
		M		970	844	36	38	39	42	41	34	27	21
		L		910	695	35	40	38	41	39	32	25	17
	CASING RADIATED	H		1050	1021	29	42	40	38	39	34	26	18
		M		970	844	33	36	38	37	37	32	24	15
		L		910	695	31	36	38	34	33	28	19	12
	DUCTED DISCHARGE	H		1050	1021	45	40	44	46	46	42	35	32
		M		970	844	43	40	41	44	44	39	32	28
		L		910	695	43	38	40	42	42	37	29	23
ARNU283M2A4	RETURN OPENING	H	0.20	990	892	37	39	40	43	42	35	28	22
		M		940	770	36	41	39	42	40	33	26	18
		L		890	645	35	40	38	41	39	32	25	17
	CASING RADIATED	H		990	892	35	37	39	38	38	33	25	16
		M		940	770	33	37	39	35	35	29	20	14
		L		890	645	31	36	38	34	33	28	19	12
	DUCTED DISCHARGE	H		990	892	44	41	42	45	45	40	33	29
		M		940	770	45	39	42	43	43	38	31	24
		L		890	645	43	38	40	42	42	37	29	23
ARNU243M2A4	RETURN OPENING	H	0.20	840	640	34	39	37	40	38	32	25	17
		M		820	520	34	39	37	40	38	31	24	16
		L		800	435	34	39	37	40	38	31	24	16
	CASING RADIATED	H		840	640	30	35	37	33	32	27	18	11
		M		820	520	30	34	36	33	32	26	17	11
		L		800	435	29	34	36	32	32	26	17	10
	DUCTED DISCHARGE	H		840	640	42	37	39	41	41	36	28	22
		M		820	520	42	36	39	41	40	35	28	21
		L		800	435	41	36	38	40	40	35	27	21



# DUCTED HIGH STATIC

Acoustic Data

Sound Pressure Data for M2 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU183M2A4	RETURN OPENING	H	0.20	840	640	35	40	38	41	39	32	25	17
		M		820	520	35	40	38	41	39	32	25	17
		L		800	435	34	39	37	40	38	32	25	17
	CASING RADIATED	H		840	640	31	35	37	34	33	27	19	12
		M		820	520	30	35	37	33	33	27	18	11
		L		800	435	30	34	36	33	32	26	18	11
	DUCTED DISCHARGE	H		840	640	43	38	40	42	41	36	29	22
		M		820	520	42	37	40	41	41	36	28	22
		L		800	435	42	36	39	41	40	35	28	21
ARNU153M2A4	RETURN OPENING	H	0.20	820	520	35	40	38	41	39	32	25	17
		M		800	435	35	40	38	41	39	32	25	17
		L		780	363	35	39	38	41	38	32	25	17
	CASING RADIATED	H		820	520	31	35	37	34	33	27	18	12
		M		800	435	30	35	37	33	33	27	18	11
		L		780	363	30	34	36	33	32	26	17	11
	DUCTED DISCHARGE	H		820	520	43	37	40	42	41	36	29	22
		M		800	435	42	37	39	41	41	36	28	22
		L		780	363	42	36	39	41	40	35	28	21
ARNU123M2A4	RETURN OPENING	H	0.20	820	520	36	40	39	42	39	33	26	18
		M		800	435	35	40	38	41	39	32	26	18
		L		780	363	35	40	38	41	39	32	25	17
	CASING RADIATED	H		820	520	31	36	38	34	34	28	19	12
		M		800	435	31	35	37	34	33	27	18	12
		L		780	363	30	35	37	33	33	27	18	11
	DUCTED DISCHARGE	H		820	520	43	38	40	42	42	37	29	23
		M		800	435	43	37	40	42	41	36	29	22
		L		780	363	42	37	39	41	41	36	28	22
ARNU093M2A4	RETURN OPENING	H	0.20	810	477	36	41	39	42	40	33	26	18
		M		790	399	36	41	39	42	40	33	26	18
		L		770	327	36	40	39	42	39	33	26	18
	CASING RADIATED	H		810	477	32	36	38	34	34	28	19	12
		M		790	399	31	36	38	34	33	28	19	12
		L		770	327	31	35	37	34	33	27	18	12
	DUCTED DISCHARGE	H		810	477	44	38	41	42	42	37	30	23
		M		790	399	43	38	40	42	42	37	29	23
		L		770	327	43	37	40	41	41	36	29	22
ARNU073M2A4	RETURN OPENING	H	0.20	810	477	37	41	40	43	41	34	27	19
		M		790	399	36	41	39	42	40	34	27	19
		L		770	327	36	41	39	42	40	33	26	18
	CASING RADIATED	H		810	477	32	37	39	35	34	29	20	13
		M		790	399	32	36	38	35	34	28	19	13
		L		770	327	31	36	38	34	34	28	19	12
	DUCTED DISCHARGE	H		810	477	44	39	41	43	43	38	30	24
		M		790	399	44	38	41	42	42	37	30	23
		L		770	327	43	38	40	42	42	37	29	23

Ducted High Static



# DUCTED HIGH STATIC

## Acoustic Data

### Sound Pressure Data for M2 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU423M2A4	RETURN OPENING	H	0.24	1200	1260	39	44	44	46	46	40	35	29
		M		1110	1076	34	45	42	44	44	38	32	26
		L		1030	888	31	44	38	41	41	35	29	23
	CASING RADIATED	H		1200	1260	37	43	43	41	43	38	31	26
		M		1110	1076	32	48	39	38	40	34	26	20
		L		1030	888	26	45	35	34	36	31	23	17
	DUCTED DISCHARGE	H		1200	1260	49	45	46	49	50	46	40	38
		M		1110	1076	45	44	44	47	48	43	37	34
		L		1030	888	45	42	41	45	45	40	34	31
ARNU363M2A4	RETURN OPENING	H	0.24	1090	1031	33	46	40	43	43	37	30	25
		M		1010	845	33	42	39	42	41	34	28	21
		L		950	676	36	38	38	40	39	32	26	19
	CASING RADIATED	H		1090	1031	30	49	39	38	39	34	27	21
		M		1010	845	30	37	37	36	37	31	23	15
		L		950	676	31	32	36	34	34	28	20	11
	DUCTED DISCHARGE	H		1090	1031	47	44	43	46	47	42	36	33
		M		1010	845	48	41	41	43	44	39	33	28
		L		950	676	45	39	39	42	42	37	30	25
ARNU283M2A4	RETURN OPENING	H	0.24	1010	845	33	43	39	42	42	35	28	22
		M		950	676	37	39	38	41	40	33	26	19
		L		900	528	36	39	38	41	40	33	26	19
	CASING RADIATED	H		1010	845	31	38	38	36	37	31	24	15
		M		950	676	31	32	36	34	34	29	21	12
		L		900	528	32	33	37	35	35	30	22	13
	DUCTED DISCHARGE	H		1010	845	48	42	41	44	45	40	33	29
		M		950	676	46	39	39	43	43	38	31	26
		L		900	528	45	39	38	42	42	37	30	25
ARNU243M2A4	RETURN OPENING	H	0.24	890	673	36	39	38	41	40	33	26	19
		M		840	512	36	38	37	40	39	32	25	18
		L		820	425	35	38	37	40	39	32	25	18
	CASING RADIATED	H		890	673	32	33	37	35	35	30	22	13
		M		840	512	31	32	36	34	34	29	21	12
		L		820	425	30	31	35	33	33	28	20	11
	DUCTED DISCHARGE	H		890	673	45	39	38	42	42	37	30	25
		M		840	512	44	37	37	40	41	36	29	24
		L		820	425	43	37	37	40	40	35	28	23

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU183M2A4	RETURN OPENING	H	0.24	890	673	37	39	39	41	40	33	27	20
		M		840	512	36	38	38	41	40	33	26	19
		L		820	425	36	38	38	40	39	32	26	19
	CASING RADIATED	H		890	673	33	34	38	36	36	30	23	13
		M		840	512	31	32	36	35	34	29	21	12
		L		820	425	31	32	36	34	34	29	21	12
	DUCTED DISCHARGE	H		890	673	46	39	39	42	43	38	31	26
		M		840	512	44	38	38	41	41	37	29	24
		L		820	425	44	38	37	41	41	36	29	24
ARNU153M2A4	RETURN OPENING	H	0.24	840	512	37	39	38	41	40	33	26	19
		M		820	425	36	39	38	41	40	33	26	19
		L		800	337	36	38	38	40	40	32	26	19
	CASING RADIATED	H		840	512	32	33	37	35	35	30	22	13
		M		820	425	31	32	36	35	34	29	21	12
		L		800	337	31	32	36	34	34	29	21	12
	DUCTED DISCHARGE	H		840	512	45	38	38	41	42	37	30	25
		M		820	425	44	38	38	41	41	36	29	24
		L		800	337	44	37	37	40	41	36	29	24
ARNU123M2A4	RETURN OPENING	H	0.24	840	512	37	39	39	42	41	33	27	20
		M		820	425	37	39	38	41	40	33	27	19
		L		800	337	37	39	38	41	40	33	26	19
	CASING RADIATED	H		840	512	32	33	37	35	35	30	22	13
		M		820	425	32	33	37	35	35	30	22	13
		L		800	337	31	32	36	35	34	29	21	12
	DUCTED DISCHARGE	H		840	512	45	39	39	42	42	37	30	25
		M		820	425	45	38	38	41	42	37	30	25
		L		800	337	44	38	38	41	41	36	29	24
ARNU093M2A4	RETURN OPENING	H	0.24	830	468	38	40	39	42	41	34	27	20
		M		810	381	37	40	39	42	41	34	27	20
		L		790	294	37	39	39	41	40	33	27	20
	CASING RADIATED	H		830	468	33	34	38	36	36	30	22	13
		M		810	381	32	33	37	35	35	30	22	13
		L		790	294	32	33	37	35	35	29	21	12
	DUCTED DISCHARGE	H		830	468	46	39	39	42	43	38	31	26
		M		810	381	45	39	38	42	42	37	30	25
		L		790	294	45	38	38	41	42	37	30	25
ARNU073M2A4	RETURN OPENING	H	0.24	830	468	38	40	40	43	42	35	28	21
		M		810	381	38	40	40	42	41	34	28	21
		L		790	294	38	40	39	42	41	34	27	20
	CASING RADIATED	H		830	468	33	34	38	36	36	31	23	14
		M		810	381	33	34	38	36	36	30	23	13
		L		790	294	32	33	37	35	35	30	22	13
	DUCTED DISCHARGE	H		830	468	46	40	40	43	43	38	31	26
		M		810	381	46	39	39	42	43	38	31	26
		L		790	294	45	39	39	42	42	37	30	25

# DUCTED HIGH STATIC

## Acoustic Data

### Sound Pressure Data for M2 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU423M2A4	RETURN OPENING	H	0.71	1520	1084	48	54	56	56	57	49	42	34
		M		1500	1036	46	53	55	55	56	48	41	33
		L		1480	969	45	51	54	54	55	46	39	32
	CASING RADIATED	H		1520	1084	48	53	54	58	58	49	41	31
		M		1500	1036	46	51	52	56	56	48	39	29
		L		1480	969	44	50	50	54	55	46	38	28
	DUCTED DISCHARGE	H		1520	1084	64	60	57	59	60	58	49	40
		M		1500	1036	63	58	56	58	58	57	48	39
		L		1480	969	62	57	54	56	57	55	47	37
ARNU363M2A4	RETURN OPENING	H	0.71	1500	1036	47	53	55	55	56	48	41	33
		M		1480	969	45	52	54	54	55	47	40	32
		L		1440	835	43	49	52	52	53	44	37	30
	CASING RADIATED	H		1500	1036	46	51	52	56	57	48	40	30
		M		1480	969	45	50	51	55	55	46	38	28
		L		1440	835	42	47	48	52	52	43	35	25
	DUCTED DISCHARGE	H		1500	1036	63	59	56	58	59	57	48	39
		M		1480	969	62	57	55	57	57	56	47	38
		L		1440	835	60	55	52	54	55	53	44	35
ARNU283M2A4	RETURN OPENING	H	0.71	1480	969	46	52	55	55	56	47	40	33
		M		1440	835	43	50	52	52	53	45	38	30
		L		1420	768	42	49	51	51	52	44	37	29
	CASING RADIATED	H		1480	969	45	50	51	55	56	47	39	29
		M		1440	835	42	47	48	52	53	44	36	26
		L		1420	768	41	46	47	51	51	43	34	24
	DUCTED DISCHARGE	H		1480	969	63	58	55	57	58	56	47	38
		M		1440	835	60	55	53	55	55	54	45	36
		L		1420	768	59	54	51	53	54	52	44	35
ARNU243M2A4	RETURN OPENING	H	0.71	1360	616	39	46	48	48	49	41	34	26
		M		1340	528	38	45	47	47	48	40	33	25
		L		1300	353	35	42	44	44	45	37	30	22
	CASING RADIATED	H		1360	616	37	42	43	47	48	39	31	21
		M		1340	528	36	41	42	46	47	38	30	20
		L		1300	353	34	39	40	44	44	35	27	17
	DUCTED DISCHARGE	H		1360	616	56	51	48	50	51	50	41	32
		M		1340	528	55	50	48	49	50	49	40	31
		L		1300	353	53	48	45	47	48	46	38	29

# DUCTED HIGH STATIC

Acoustic Data

Sound Pressure Data for M2 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU183M2A4	RETURN OPENING	H	0.71	1360	616	40	46	49	49	50	42	35	27
		M		1340	528	39	45	48	48	49	41	34	26
		L		1300	353	36	42	45	44	46	37	30	23
	CASING RADIATED	H		1360	616	38	43	44	48	48	40	31	21
		M		1340	528	37	42	43	47	47	38	30	20
		L		1300	353	34	39	40	44	45	36	28	18
	DUCTED DISCHARGE	H		1360	616	57	52	49	51	52	50	41	32
		M		1340	528	56	51	48	50	51	49	40	31
		L		1300	353	53	49	46	48	49	47	38	29
ARNU153M2A4	RETURN OPENING	H	0.71	1340	528	40	46	48	48	49	41	34	26
		M		1300	353	36	43	45	45	46	38	31	23
		L		1260	258	42	46	44	45	45	37	30	22
	CASING RADIATED	H		1340	528	37	42	43	47	48	39	31	21
		M		1300	353	35	40	41	45	45	36	28	18
		L		1260	258	40	41	41	41	42	37	30	20
	DUCTED DISCHARGE	H		1340	528	56	51	49	51	51	50	41	32
		M		1300	353	54	49	46	48	49	47	39	30
		L		1260	258	48	45	45	49	50	47	39	29
ARNU123M2A4	RETURN OPENING	H	0.71	1340	528	40	46	49	49	50	41	34	27
		M		1300	353	37	43	46	45	46	38	31	23
		L		1260	258	42	46	45	46	45	38	30	22
	CASING RADIATED	H		1340	528	38	43	44	48	48	39	31	21
		M		1300	353	35	40	41	45	45	37	29	18
		L		1260	258	41	42	41	42	42	38	30	21
	DUCTED DISCHARGE	H		1340	528	57	52	49	51	52	50	41	32
		M		1300	353	54	50	47	49	50	48	39	30
		L		1260	258	49	45	46	49	50	47	40	30
ARNU093M2A4	RETURN OPENING	H	0.71	1320	440	40	46	49	48	50	41	34	26
		M		1280	306	43	47	46	47	47	39	32	24
		L		1240	211	43	47	45	46	45	37	29	21
	CASING RADIATED	H		1320	440	37	42	43	47	48	39	31	21
		M		1280	306	42	43	43	43	44	39	32	22
		L		1240	211	39	43	42	42	42	38	29	20
	DUCTED DISCHARGE	H		1320	440	56	52	49	51	52	50	41	32
		M		1280	306	50	47	47	51	52	49	41	31
		L		1240	211	48	45	46	49	49	48	40	31
ARNU073M2A4	RETURN OPENING	H	0.71	1320	440	40	47	49	49	50	42	35	27
		M		1280	306	44	48	47	48	47	40	32	24
		L		1240	211	44	47	45	46	45	38	30	22
	CASING RADIATED	H		1320	440	38	43	44	48	48	39	31	21
		M		1280	306	43	44	43	44	45	40	32	23
		L		1240	211	39	43	42	42	42	38	29	20
	DUCTED DISCHARGE	H		1320	440	57	52	49	51	52	50	42	32
		M		1280	306	51	47	48	51	52	49	42	32
		L		1240	211	48	45	47	50	50	49	41	32

Ducted High Static

# DUCTED HIGH STATIC

## Acoustic Data

### Sound Pressure Data for M3 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU543M3A4	RETURN OPENING	H	0.16	940	1705	33	40	40	43	42	34	28	19
		M		900	1562	31	38	38	42	40	33	27	17
		L		820	1303	28	35	35	39	38	30	24	14
	CASING RADIATED	H		940	1705	26	33	37	38	35	30	24	14
		M		900	1562	24	32	36	36	33	29	23	12
		L		820	1303	22	29	33	34	30	26	20	10
	DUCTED DISCHARGE	H		940	1705	35	39	43	47	46	40	36	26
		M		900	1562	33	37	41	45	45	38	34	24
		L		820	1303	29	34	37	42	41	35	31	21
ARNU483M3A4	RETURN OPENING	H	0.16	830	1336	29	36	36	39	38	30	24	15
		M		780	1171	27	34	34	38	36	28	22	13
		L		740	1037	31	32	33	36	34	26	18	5
	CASING RADIATED	H		830	1336	22	30	34	34	31	27	20	10
		M		780	1171	21	28	32	33	30	25	19	9
		L		740	1037	34	28	30	31	26	22	16	8
	DUCTED DISCHARGE	H		830	1336	30	34	38	43	42	35	31	21
		M		780	1171	28	32	36	41	40	33	29	19
		L		740	1037	27	31	36	40	37	31	26	13
ARNU423M3A4	RETURN OPENING	H	0.16	810	1269	28	35	35	39	38	30	24	14
		M		760	1106	32	33	34	37	35	27	19	6
		L		700	891	30	31	32	35	33	25	17	4
	CASING RADIATED	H		810	1269	22	29	33	34	31	26	20	10
		M		760	1106	35	28	30	31	27	23	16	9
		L		700	891	34	27	29	30	26	22	15	8
	DUCTED DISCHARGE	H		810	1269	30	34	37	42	41	35	31	21
		M		760	1106	28	32	37	41	38	32	27	15
		L		700	891	25	29	34	38	36	29	24	12
ARNU363M3A4	RETURN OPENING	H	0.16	810	1269	29	36	36	39	38	30	24	15
		M		760	1106	32	33	34	38	36	27	20	6
		L		700	854	30	31	32	36	34	25	18	4
	CASING RADIATED	H		810	1269	22	30	34	34	31	27	20	10
		M		760	1106	35	29	31	32	27	23	17	9
		L		700	854	34	28	30	31	26	22	16	8
	DUCTED DISCHARGE	H		810	1269	30	34	38	42	42	35	31	21
		M		760	1106	28	32	37	41	38	32	27	15
		L		700	854	26	30	35	39	36	30	25	12
ARNU283M3A4	RETURN OPENING	H	0.16	790	1203	28	35	35	39	38	30	24	14
		M		740	1037	32	33	34	37	35	27	20	6
		L		680	817	30	31	32	35	33	25	17	4
	CASING RADIATED	H		790	1203	22	29	33	34	30	26	20	10
		M		740	1037	35	29	31	32	27	23	17	9
		L		680	817	34	28	30	31	26	22	16	8
	DUCTED DISCHARGE	H		790	1203	30	34	37	42	41	35	31	21
		M		740	1037	28	32	37	41	38	32	27	15
		L		680	817	25	29	34	38	36	29	24	12

# DUCTED HIGH STATIC

Acoustic Data

Sound Pressure Data for M3 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU543M3A4	RETURN OPENING	H	0.20	970	1720	31	39	41	44	44	36	31	25
		M		920	1558	30	39	40	43	43	35	31	24
		L		880	1424	30	37	38	41	40	32	27	19
	CASING RADIATED	H		970	1720	26	36	38	39	36	32	21	20
		M		920	1558	26	35	38	38	35	31	26	17
		L		880	1424	28	33	34	36	33	28	23	15
	DUCTED DISCHARGE	H		970	1720	39	38	43	48	47	42	39	35
		M		920	1558	38	37	43	47	47	41	39	34
		L		880	1424	39	34	41	44	43	38	35	29
ARNU483M3A4	RETURN OPENING	H	0.20	890	1457	30	37	38	41	40	33	28	20
		M		820	1189	28	35	36	39	38	30	25	17
		L		760	952	25	32	34	37	36	28	23	15
	CASING RADIATED	H		890	1457	28	33	34	36	33	29	23	22
		M		820	1189	26	31	32	34	31	27	22	13
		L		760	952	24	29	30	32	29	25	20	11
	DUCTED DISCHARGE	H		890	1457	40	35	42	45	44	38	35	30
		M		820	1189	37	32	39	42	41	35	32	27
		L		760	952	34	29	36	39	38	33	30	24
ARNU423M3A4	RETURN OPENING	H	0.20	850	1327	29	36	37	40	39	32	27	19
		M		800	1097	27	34	35	38	37	30	25	17
		L		760	952	26	33	34	37	36	28	23	15
	CASING RADIATED	H		850	1327	27	32	33	35	32	28	22	21
		M		800	1097	26	31	32	34	31	26	21	13
		L		760	952	25	30	31	33	29	25	20	11
	DUCTED DISCHARGE	H		850	1327	38	34	40	43	42	37	34	28
		M		800	1097	36	31	38	41	40	35	32	26
		L		760	952	34	30	36	40	38	33	30	24
ARNU363M3A4	RETURN OPENING	H	0.20	850	1327	29	36	37	41	40	32	27	19
		M		800	1097	28	35	36	39	38	30	25	17
		L		760	952	26	33	34	37	36	29	24	16
	CASING RADIATED	H		850	1327	28	32	34	35	32	28	22	21
		M		800	1097	26	31	32	34	31	27	22	13
		L		760	952	25	30	31	33	30	26	21	12
	DUCTED DISCHARGE	H		850	1327	39	34	41	44	43	37	34	29
		M		800	1097	37	32	38	42	40	35	32	26
		L		760	952	35	30	37	40	39	33	30	25
ARNU283M3A4	RETURN OPENING	H	0.20	830	1235	29	36	37	40	39	32	27	19
		M		790	1060	28	35	36	39	38	30	25	17
		L		750	915	26	33	34	37	36	29	24	16
	CASING RADIATED	H		830	1235	27	32	34	35	32	28	22	21
		M		790	1060	26	31	32	34	31	27	22	13
		L		750	915	25	30	31	33	30	26	21	12
	DUCTED DISCHARGE	H		830	1235	38	34	40	43	42	37	34	28
		M		790	1060	37	32	39	42	41	35	32	27
		L		750	915	35	30	37	40	39	33	31	25

Ducted High Static

# DUCTED HIGH STATIC

## Acoustic Data

### Sound Pressure Data for M3 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU543M3A4	RETURN OPENING	H	0.24	1000	1744	33	40	41	44	46	38	33	28
		M		960	1614	31	39	39	43	44	36	32	26
		L		920	1482	30	37	38	41	41	33	28	20
	CASING RADIATED	H		1000	1744	28	37	40	40	38	34	28	21
		M		960	1614	26	35	38	38	36	32	27	20
		L		920	1482	25	34	36	36	33	29	23	14
	DUCTED DISCHARGE	H		1000	1744	43	40	44	49	49	44	41	38
		M		960	1614	41	38	42	47	47	42	39	36
		L		920	1482	36	36	41	45	44	38	35	28
ARNU483M3A4	RETURN OPENING	H	0.24	920	1482	30	37	39	42	41	33	28	20
		M		840	1191	31	35	36	39	38	31	25	16
		L		790	918	29	34	34	38	37	29	23	14
	CASING RADIATED	H		920	1482	25	34	36	36	33	29	23	14
		M		840	1191	28	30	34	35	31	27	20	9
		L		790	918	27	28	32	33	29	25	19	8
	DUCTED DISCHARGE	H		920	1482	36	36	41	45	45	39	35	28
		M		840	1191	31	34	39	43	42	36	32	23
		L		790	918	30	32	37	41	40	34	30	22
ARNU423M3A4	RETURN OPENING	H	0.24	910	1449	31	38	40	42	42	34	29	21
		M		840	1191	31	36	36	40	39	31	25	16
		L		790	918	30	34	35	38	37	29	24	15
	CASING RADIATED	H		910	1449	26	35	37	37	34	30	24	14
		M		840	1191	29	30	34	35	31	27	20	9
		L		790	918	27	28	32	34	30	26	19	8
	DUCTED DISCHARGE	H		910	1449	37	37	42	46	46	40	36	29
		M		840	1191	32	34	39	43	42	36	32	24
		L		790	918	30	32	38	41	40	34	30	22
ARNU363M3A4	RETURN OPENING	H	0.24	910	1449	31	39	40	43	42	34	29	21
		M		840	1191	32	36	37	40	39	31	26	17
		L		790	918	30	34	35	38	37	29	24	15
	CASING RADIATED	H		910	1449	26	35	37	37	34	30	24	15
		M		840	1191	29	30	34	35	31	27	21	10
		L		790	918	27	29	33	34	30	26	19	8
	DUCTED DISCHARGE	H		910	1449	38	37	43	46	46	40	36	29
		M		840	1191	32	34	40	43	43	36	32	24
		L		790	918	30	32	38	41	41	34	31	22
ARNU283M3A4	RETURN OPENING	H	0.24	850	1250	29	37	38	41	40	33	28	20
		M		810	1017	31	36	36	40	39	31	25	16
		L		770	837	30	34	35	38	37	29	24	15
	CASING RADIATED	H		850	1250	25	34	35	36	32	29	23	13
		M		810	1017	29	30	34	35	31	27	20	10
		L		770	837	28	29	33	34	30	26	19	8
	DUCTED DISCHARGE	H		850	1250	35	35	41	44	44	38	34	27
		M		810	1017	32	34	39	43	42	36	32	24
		L		770	837	30	32	38	41	40	34	30	22



Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound pressure level, Lp (dB one reference picopascals)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU543M3A4	RETURN OPENING	H	0.79	1320	1477	41	45	43	45	47	38	33	26
		M		1300	1398	41	45	43	45	47	38	33	26
		L		1280	1306	41	45	43	45	47	38	33	25
	CASING RADIATED	H		1320	1477	40	43	41	42	41	38	32	24
		M		1300	1398	39	43	40	41	41	37	32	23
		L		1280	1306	39	42	40	41	40	37	31	23
	DUCTED DISCHARGE	H		1320	1477	58	52	46	49	50	47	41	33
		M		1300	1398	57	52	46	49	50	47	41	33
		L		1280	1306	57	52	45	49	50	47	41	33
ARNU483M3A4	RETURN OPENING	H	0.79	1280	1306	41	45	43	45	47	38	33	26
		M		1260	1214	41	45	43	45	47	38	33	25
		L		1200	868	40	44	42	44	46	37	32	25
	CASING RADIATED	H		1280	1306	39	43	40	41	41	37	32	23
		M		1260	1214	39	42	40	41	40	37	31	23
		L		1200	868	38	41	39	40	39	36	30	22
	DUCTED DISCHARGE	H		1280	1306	58	52	46	49	50	47	41	33
		M		1260	1214	57	52	46	49	50	47	41	33
		L		1200	868	57	51	45	48	49	46	40	32
ARNU423M3A4	RETURN OPENING	H	0.79	1260	1214	41	45	43	45	47	38	33	26
		M		1220	988	40	44	43	45	47	37	33	25
		L		1200	868	40	44	42	45	46	37	32	25
	CASING RADIATED	H		1260	1214	39	43	40	41	40	37	32	23
		M		1220	988	38	42	39	40	40	36	31	23
		L		1200	868	38	42	39	40	39	36	31	22
	DUCTED DISCHARGE	H		1260	1214	58	52	46	49	50	47	41	33
		M		1220	988	57	52	45	49	50	47	41	33
		L		1200	868	57	51	45	48	49	47	41	33
ARNU363M3A4	RETURN OPENING	H	0.79	1260	1214	41	45	44	46	47	38	34	26
		M		1220	988	41	45	43	45	47	38	33	25
		L		1200	868	40	45	43	45	47	37	33	25
	CASING RADIATED	H		1260	1214	39	43	40	41	41	37	32	24
		M		1220	988	39	42	40	41	40	37	31	23
		L		1200	868	38	42	39	40	40	36	31	23
	DUCTED DISCHARGE	H		1260	1214	58	52	46	50	51	48	42	34
		M		1220	988	57	52	46	49	50	47	41	33
		L		1200	868	57	52	45	49	50	47	41	33
ARNU283M3A4	RETURN OPENING	H	0.79	1240	1108	41	46	44	46	48	38	34	26
		M		1200	868	41	45	43	45	47	38	33	26
		L		1180	779	41	45	43	45	47	38	33	25
	CASING RADIATED	H		1240	1108	40	43	41	42	41	38	32	24
		M		1200	868	39	42	40	41	40	37	31	23
		L		1180	779	39	42	40	41	40	37	31	23
	DUCTED DISCHARGE	H		1240	1108	58	53	46	50	51	48	42	34
		M		1200	868	58	52	46	49	50	48	41	34
		L		1180	779	57	52	46	49	50	47	41	33

# DUCTED HIGH STATIC

## Acoustic Data

### Sound Pressure Levels for B8 Units

Figure 21: ARNU363B8A4, ARNU423B8A4, and ARNU483B8A4 Sound Pressure Level Diagrams.

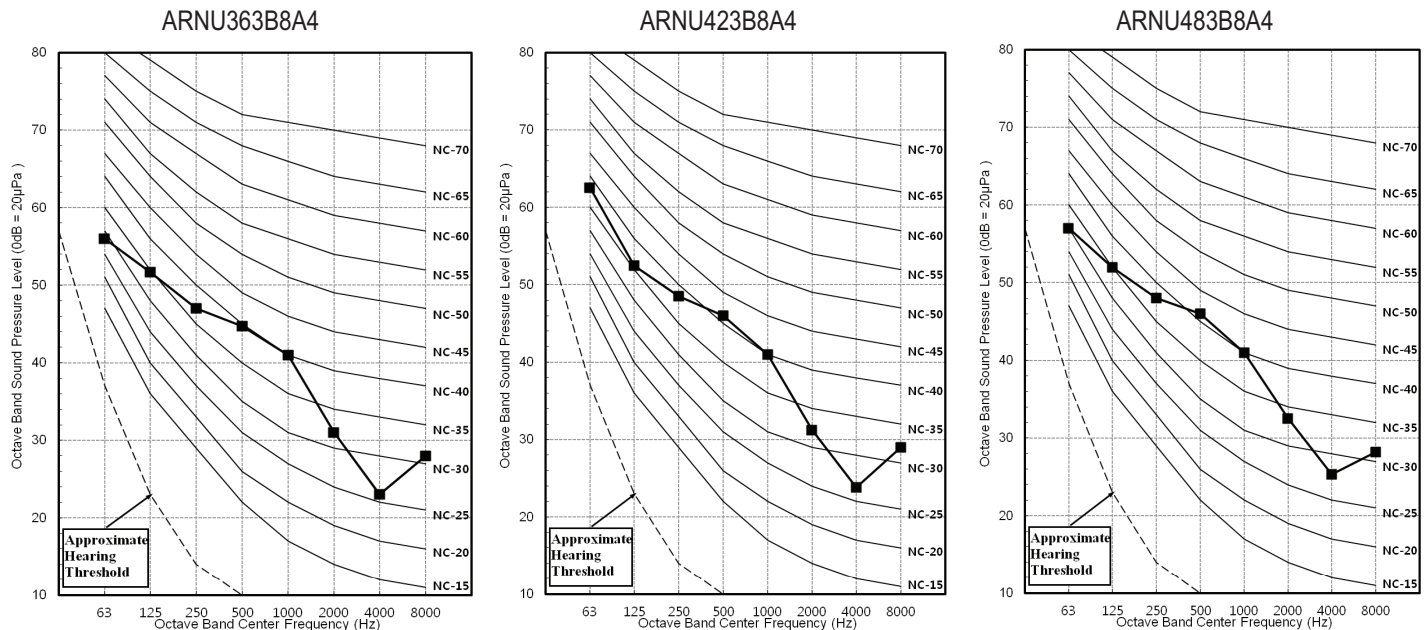
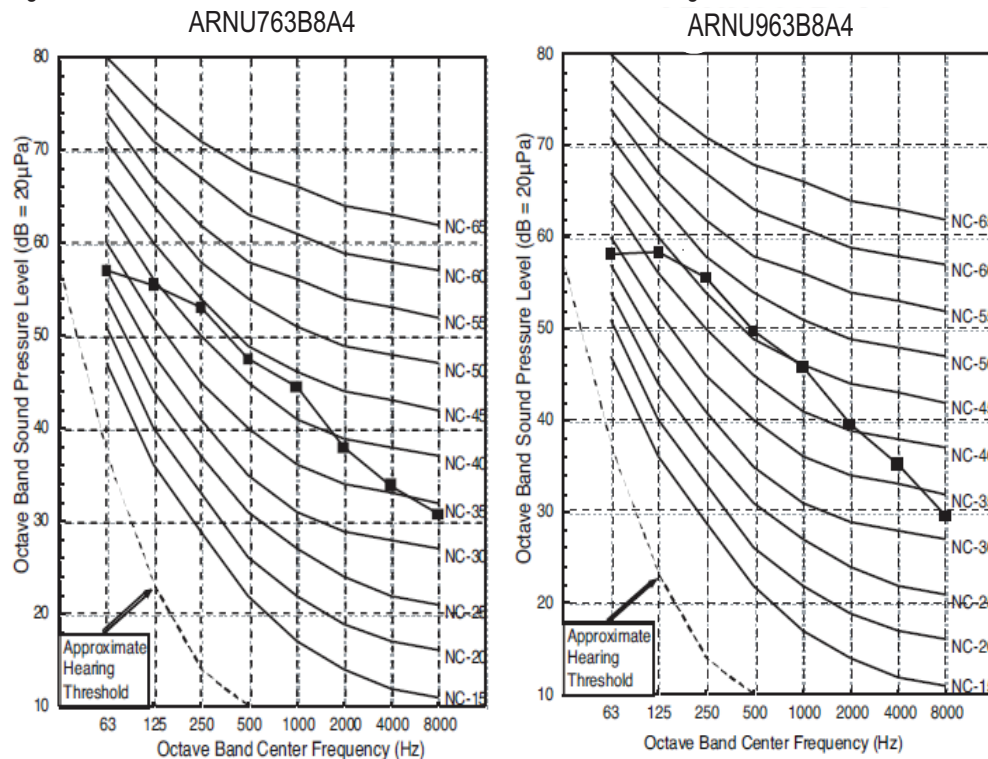


Figure 22: ARNU763B8A4, ARNU963B8A4 Sound Pressure Level Diagrams.



### Sound Power for BH Units.

Table 33: Ducted High Static Indoor Unit Sound Power Levels.

Model	Sound Power Levels dB(A)
	High Fan Speed
<i>BH Units</i>	
ARNU073BHA4	53
ARNU093BHA4	54
ARNU123BHA4	56
ARNU153BHA4	58
ARNU183BHA4	60
ARNU243BHA4	61

- Data is valid under diffuse field conditions.
- Data is valid under nominal operating conditions.
- Sound power level is measured using rated conditions, and tested in a reverberation room per ISO 3741 standards.
- Sound level will vary depending on a range of factors such as construction (acoustic absorption coefficient) of particular area in which the equipment is installed.
- Reference acoustic intensity: 0dB = 10E-6μW/m<sup>2</sup>

### Sound Power for M2 Units.

Table 34: Ducted High Static Indoor Unit Sound Power Levels.

Model	Sound Power Levels [dB(A), H-M-L]			
	External Static Pressure [in wg]			
	0.16	0.20	0.24	0.71
ARNU073M2A4	51-51-50	52-52-52	53-52-52	63-61-59
ARNU093M2A4	51-51-50	52-52-52	53-52-52	63-61-59
ARNU123M2A4	52-51-50	53-52-52	53-53-52	64-62-60
ARNU153M2A4	52-51-50	53-52-52	53-53-52	64-62-60
ARNU183M2A4	52-52-51	53-53-52	54-53-53	64-62-60
ARNU243M2A4	52-52-51	53-53-52	54-53-53	64-62-60
ARNU283M2A4	62-60-59	62-60-59	64-61-57	73-70-69
ARNU363M2A4	62-61-58	63-62-60	65-62-60	75-73-70
ARNU423M2A4	64-63-62	65-64-63	66-65-63	77-75-73

### Sound Power for M3 Units.

Table 35: Ducted High Static Indoor Unit Sound Power Levels.

Model	Sound Power Levels [dB(A), H-M-L]			
	External Static Pressure [in wg]			
	0.16	0.20	0.24	0.79
ARNU283M3A4	62-61-59	63-62-61	64-62-61	70-70-69
ARNU363M3A4	62-61-60	64-63-61	65-63-61	70-70-70
ARNU423M3A4	62-61-60	64-63-61	65-63-61	70-70-70
ARNU483M3A4	64-63-62	66-63-62	67-64-62	71-70-70
ARNU543M3A4	67-66-64	68-67-65	69-68-67	71-71-71

### Sound Power for B8 Units.

Table 36: Ducted High Static Indoor Unit Sound Power Levels.

Model	Sound Power Levels dB(A)
	High Fan Speed
<i>B8 Units</i>	
ARNU363B8A4	70
ARNU423B8A4	70
ARNU483B8A4	70
ARNU763B8A4	70
ARNU963B8A4	72

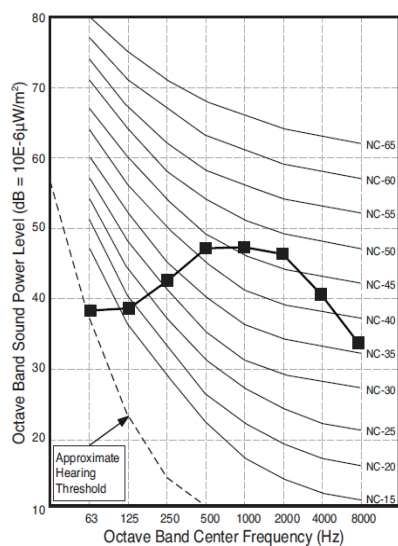
# DUCTED HIGH STATIC

## Acoustic Data

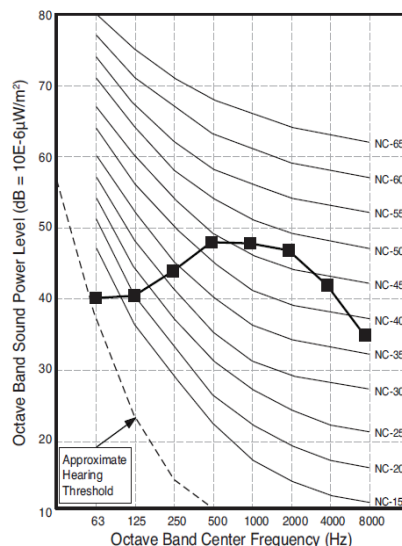
### Sound Power Levels for BH Units

Figure 23: ARNU073BHA4, ARNU093BHA4, and ARNU123BHA4 Sound Power Level Diagrams.

ARNU073BHA4



ARNU093BHA4



ARNU123BHA4

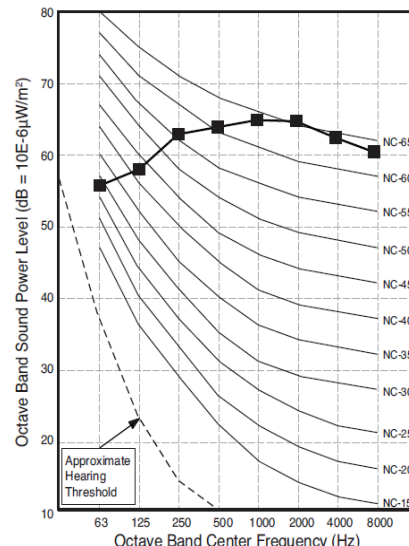
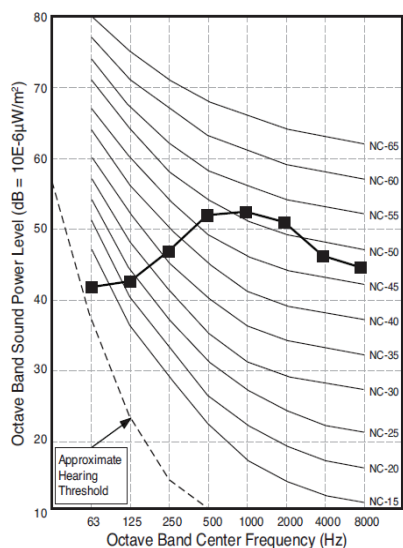
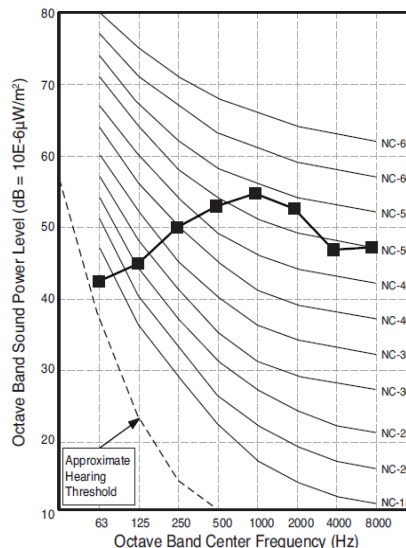


Figure 24: ARNU153BHA4, ARNU183BHA4, and ARNU243BHA4 Sound Power Level Diagrams.

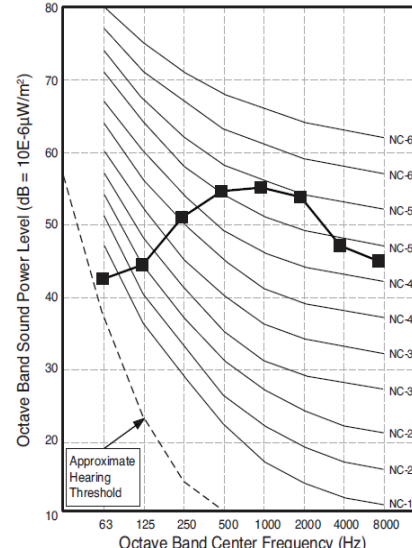
ARNU153BHA4



ARNU183BHA4



ARNU243BHA4



Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU423M2A4	RETURN OPENING	H	0.16	1170	1328	43	56	53	56	56	52	47	43
		M		1080	1169	41	53	50	53	54	49	44	40
		L		1000	1010	44	48	48	52	52	47	41	35
	CASING RADIATED	H		1170	1328	40	59	49	50	51	48	41	37
		M		1080	1169	36	55	46	46	47	44	38	33
		L		1000	1010	42	45	48	48	48	45	37	31
	DUCTED DISCHARGE	H		1170	1328	50	54	56	59	61	57	53	52
		M		1080	1169	47	52	53	57	58	55	50	49
		L		1000	1010	46	48	51	55	56	52	47	44
ARNU363M2A4	RETURN OPENING	H	0.16	1010	1030	44	49	49	53	52	47	41	36
		M		930	873	42	47	47	51	50	46	39	34
		L		880	770	43	42	52	48	46	40	34	27
	CASING RADIATED	H		1010	1030	42	45	48	48	49	45	37	32
		M		930	873	39	43	46	46	46	43	35	29
		L		880	770	44	40	47	41	41	36	29	21
	DUCTED DISCHARGE	H		1010	1030	46	48	51	55	57	53	47	44
		M		930	873	44	46	49	53	54	50	45	42
		L		880	770	45	42	54	50	50	46	39	33
ARNU283M2A4	RETURN OPENING	H	0.16	960	933	43	48	48	51	51	46	40	34
		M		920	853	42	47	47	51	50	45	39	34
		L		880	770	43	42	52	48	46	40	34	27
	CASING RADIATED	H		960	933	40	44	47	46	47	44	36	30
		M		920	853	39	43	45	45	46	42	35	29
		L		880	770	44	40	47	41	41	36	29	21
	DUCTED DISCHARGE	H		960	933	45	47	49	54	55	51	45	43
		M		920	853	44	45	48	53	54	50	44	42
		L		880	770	45	42	54	50	50	46	39	33
ARNU243M2A4	RETURN OPENING	H	0.16	810	713	41	41	51	47	45	39	33	26
		M		770	587	41	40	51	46	44	39	32	25
		L		730	463	41	40	50	46	44	38	32	25
	CASING RADIATED	H		810	713	43	38	45	39	39	34	27	19
		M		770	587	42	37	44	39	38	34	26	18
		L		730	463	41	36	44	38	38	33	25	18
	DUCTED DISCHARGE	H		810	713	44	40	52	49	48	44	37	31
		M		770	587	43	39	51	48	47	43	36	30
		L		730	463	42	38	50	47	46	42	35	29



# DUCTED HIGH STATIC

## Acoustic Data

### Sound Power Data for M2 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU183M2A4	RETURN OPENING	H	0.16	810	713	41	41	51	47	45	39	33	26
		M		770	587	41	40	51	46	44	39	32	25
		L		730	463	41	40	50	46	44	38	32	25
	CASING RADIATED	H		810	713	43	38	45	39	39	34	27	19
		M		770	587	42	37	44	39	38	34	26	18
		L		730	463	41	36	44	38	38	33	25	18
	DUCTED DISCHARGE	H		810	713	44	40	52	49	48	44	37	31
		M		770	587	43	39	51	48	47	43	36	30
		L		730	463	42	38	50	47	46	42	35	29
ARNU153M2A4	RETURN OPENING	H	0.16	770	587	41	40	51	46	44	39	32	25
		M		730	463	41	40	50	46	44	38	32	25
		L		690	323	40	40	50	45	44	38	31	25
	CASING RADIATED	H		770	587	42	37	44	39	38	34	26	18
		M		730	463	41	36	44	38	38	33	25	18
		L		690	323	40	36	43	37	37	32	24	17
	DUCTED DISCHARGE	H		770	587	43	39	51	48	47	43	36	30
		M		730	463	42	38	50	47	46	42	35	29
		L		690	323	41	37	49	46	45	41	34	28
ARNU123M2A4	RETURN OPENING	H	0.16	770	587	41	40	51	46	44	39	32	25
		M		730	463	41	40	50	46	44	38	32	25
		L		690	323	40	40	50	45	44	38	31	25
	CASING RADIATED	H		770	587	42	37	44	39	38	34	26	18
		M		730	463	41	36	44	38	38	33	25	18
		L		690	323	40	36	43	37	37	32	24	17
	DUCTED DISCHARGE	H		770	587	43	39	51	48	47	43	36	30
		M		730	463	42	38	50	47	46	42	35	29
		L		690	323	41	37	49	46	45	41	34	28
ARNU093M2A4	RETURN OPENING	H	0.16	760	559	41	40	51	46	44	39	32	25
		M		720	430	40	40	50	46	44	38	32	25
		L		680	284	40	40	50	45	44	38	31	25
	CASING RADIATED	H		760	559	41	37	44	38	38	33	26	18
		M		720	430	41	36	43	38	37	32	25	17
		L		680	284	40	35	43	37	37	32	24	17
	DUCTED DISCHARGE	H		760	559	42	39	51	47	47	43	36	30
		M		720	430	42	38	50	46	46	42	35	29
		L		680	284	41	37	49	45	45	41	34	28
ARNU073M2A4	RETURN OPENING	H	0.16	760	559	41	40	51	46	44	39	32	25
		M		720	430	40	40	50	46	44	38	32	25
		L		680	284	40	40	50	45	44	38	31	25
	CASING RADIATED	H		760	559	41	37	44	38	38	33	26	18
		M		720	430	41	36	43	38	37	32	25	17
		L		680	284	40	35	43	37	37	32	24	17
	DUCTED DISCHARGE	H		760	559	42	39	51	47	47	43	36	30
		M		720	430	42	38	50	46	46	42	35	29
		L		680	284	41	37	49	45	45	41	34	28

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU423M2A4	RETURN OPENING	H	0.20	1170	1262	44	55	53	56	57	52	46	41
		M		1080	1087	41	52	50	54	54	49	43	38
		L		1000	917	44	47	48	53	52	47	41	35
	CASING RADIATED	H		1170	1262	40	55	54	52	54	50	43	36
		M		1080	1087	37	52	50	49	51	46	40	33
		L		1000	917	42	45	48	48	49	45	37	29
	DUCTED DISCHARGE	H		1170	1262	55	52	57	59	61	57	52	49
		M		1080	1087	53	49	54	57	58	54	49	47
		L		1000	917	51	49	51	55	56	52	46	42
ARNU363M2A4	RETURN OPENING	H	0.20	1050	1021	40	51	50	53	53	48	42	37
		M		970	844	44	46	48	52	52	46	40	34
		L		910	695	42	48	47	51	49	44	38	30
	CASING RADIATED	H		1050	1021	36	50	49	48	50	45	39	32
		M		970	844	41	44	47	47	48	44	36	28
		L		910	695	39	44	47	44	44	40	32	26
	DUCTED DISCHARGE	H		1050	1021	52	48	53	56	57	53	48	46
		M		970	844	50	48	50	54	55	51	45	42
		L		910	695	51	46	49	52	53	48	42	36
ARNU283M2A4	RETURN OPENING	H	0.20	990	892	44	47	48	52	52	47	40	35
		M		940	770	43	48	47	51	50	44	38	31
		L		890	645	42	47	46	50	49	43	37	30
	CASING RADIATED	H		990	892	41	45	48	47	48	44	37	29
		M		940	770	40	45	48	45	45	41	32	27
		L		890	645	38	43	46	43	44	39	31	25
	DUCTED DISCHARGE	H		990	892	50	49	50	55	55	51	45	42
		M		940	770	51	47	50	53	53	49	43	37
		L		890	645	50	45	49	51	52	48	41	36
ARNU243M2A4	RETURN OPENING	H	0.20	840	640	41	47	46	50	48	42	36	29
		M		820	520	40	46	45	49	48	42	36	29
		L		800	435	40	46	45	49	48	42	36	29
	CASING RADIATED	H		840	640	37	42	45	42	43	38	30	24
		M		820	520	36	41	45	42	42	37	29	23
		L		800	435	36	41	44	41	42	37	29	23
	DUCTED DISCHARGE	H		840	640	49	44	48	50	51	47	40	35
		M		820	520	48	44	47	50	50	46	40	34
		L		800	435	48	43	47	49	50	46	39	34

# DUCTED HIGH STATIC

## Acoustic Data

### Sound Power Data for M2 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU183M2A4	RETURN OPENING	H	0.20	840	640	41	47	46	50	48	42	36	29
		M		820	520	40	46	45	49	48	42	36	29
		L		800	435	40	46	45	49	48	42	36	29
	CASING RADIATED	H		840	640	37	42	45	42	43	38	30	24
		M		820	520	36	41	45	42	42	37	29	23
		L		800	435	36	41	44	41	42	37	29	23
	DUCTED DISCHARGE	H		840	640	49	44	48	50	51	47	40	35
		M		820	520	48	44	47	50	50	46	40	34
		L		800	435	48	43	47	49	50	46	39	34
ARNU153M2A4	RETURN OPENING	H	0.20	820	520	40	46	45	49	48	42	36	29
		M		800	435	40	46	45	49	48	42	36	29
		L		780	363	40	46	45	49	47	42	36	28
	CASING RADIATED	H		820	520	36	41	45	42	42	37	29	23
		M		800	435	36	41	44	41	42	37	29	23
		L		780	363	35	41	44	41	41	36	28	22
	DUCTED DISCHARGE	H		820	520	48	44	47	50	50	46	40	34
		M		800	435	48	43	47	49	50	46	39	34
		L		780	363	47	43	46	49	49	45	39	33
ARNU123M2A4	RETURN OPENING	H	0.20	820	520	40	46	45	49	48	42	36	29
		M		800	435	40	46	45	49	48	42	36	29
		L		780	363	40	46	45	49	47	42	36	28
	CASING RADIATED	H		820	520	36	41	45	42	42	37	29	23
		M		800	435	36	41	44	41	42	37	29	23
		L		780	363	35	41	44	41	41	36	28	22
	DUCTED DISCHARGE	H		820	520	48	44	47	50	50	46	40	34
		M		800	435	48	43	47	49	50	46	39	34
		L		780	363	47	43	46	49	49	45	39	33
ARNU093M2A4	RETURN OPENING	H	0.20	810	477	40	46	45	49	48	42	36	29
		M		790	399	40	46	45	49	48	42	36	29
		L		770	327	40	46	45	49	47	42	36	28
	CASING RADIATED	H		810	477	36	41	44	41	42	37	29	23
		M		790	399	36	41	44	41	41	37	29	23
		L		770	327	35	40	43	41	41	36	28	22
	DUCTED DISCHARGE	H		810	477	48	43	47	49	50	46	39	34
		M		790	399	47	43	46	49	49	45	39	33
		L		770	327	47	42	46	48	49	45	38	33
ARNU073M2A4	RETURN OPENING	H	0.20	810	477	40	46	45	49	48	42	36	29
		M		790	399	40	46	45	49	48	42	36	29
		L		770	327	40	46	45	49	47	42	36	28
	CASING RADIATED	H		810	477	36	41	44	41	42	37	29	23
		M		790	399	36	41	44	41	41	37	29	23
		L		770	327	35	40	43	41	41	36	28	22
	CASING RADIATED	H		810	477	48	43	47	49	50	46	39	34
		M		790	399	47	43	46	49	49	45	39	33
		L		770	327	47	42	46	48	49	45	38	33



Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU423M2A4	RETURN OPENING	H	0.24	1200	1260	47	53	54	56	57	52	48	43
		M		1110	1076	42	54	51	54	55	50	45	40
		L		1030	888	39	53	48	52	52	47	42	37
	CASING RADIATED	H		1200	1260	45	52	52	52	54	50	44	40
		M		1110	1076	39	57	48	48	51	46	39	34
		L		1030	888	34	53	44	44	47	43	36	31
	DUCTED DISCHARGE	H		1200	1260	57	53	56	59	61	58	53	52
		M		1110	1076	53	53	53	57	59	55	50	48
		L		1030	888	53	50	51	55	57	53	47	45
ARNU363M2A4	RETURN OPENING	H	0.24	1090	1031	41	55	49	53	54	49	43	38
		M		1010	845	40	50	48	52	52	46	41	35
		L		950	676	43	46	47	50	50	44	38	32
	CASING RADIATED	H		1090	1031	37	57	48	48	50	46	39	34
		M		1010	845	37	45	46	46	48	43	36	28
		L		950	676	38	40	45	44	45	40	33	25
	DUCTED DISCHARGE	H		1090	1031	54	52	52	56	58	54	49	47
		M		1010	845	55	50	50	53	55	51	45	42
		L		950	676	53	47	48	52	53	49	43	39
ARNU283M2A4	RETURN OPENING	H	0.24	1010	845	40	50	48	52	52	46	41	35
		M		950	676	43	46	47	50	50	44	38	32
		L		900	528	43	46	46	50	50	44	38	32
	CASING RADIATED	H		1010	845	37	45	46	46	48	43	36	28
		M		950	676	38	40	45	44	45	40	33	25
		L		900	528	39	41	46	45	45	41	34	26
	DUCTED DISCHARGE	H		1010	845	55	50	50	53	55	51	45	42
		M		950	676	53	47	48	52	53	49	43	39
		L		900	528	52	46	47	51	52	48	42	38
ARNU243M2A4	RETURN OPENING	H	0.24	890	673	43	46	46	50	50	44	38	32
		M		840	512	42	45	45	49	49	43	37	31
		L		820	425	42	45	45	49	49	43	37	31
	CASING RADIATED	H		890	673	38	40	45	44	45	41	34	26
		M		840	512	37	39	44	43	44	39	32	24
		L		820	425	37	39	44	43	43	39	32	24
	DUCTED DISCHARGE	H		890	673	51	46	47	51	52	48	42	38
		M		840	512	50	45	45	50	51	47	41	37
		L		820	425	50	44	45	49	50	46	40	36

# DUCTED HIGH STATIC

## Acoustic Data

### Sound Power Data for M2 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU183M2A4	RETURN OPENING	H	0.24	890	673	43	46	46	50	50	44	38	32
		M		840	512	42	45	45	49	49	43	37	31
		L		820	425	42	45	45	49	49	43	37	31
	CASING RADIATED	H		890	673	38	40	45	44	45	41	34	26
		M		840	512	37	39	44	43	44	39	32	24
		L		820	425	37	39	44	43	43	39	32	24
	DUCTED DISCHARGE	H		890	673	51	46	47	51	52	48	42	38
		M		840	512	50	45	45	50	51	47	41	37
		L		820	425	50	44	45	49	50	46	40	36
ARNU153M2A4	RETURN OPENING	H	0.24	840	512	42	45	45	49	49	43	37	31
		M		820	425	42	45	45	49	49	43	37	31
		L		800	337	42	45	45	49	49	42	37	30
	CASING RADIATED	H		840	512	37	39	44	43	44	39	32	24
		M		820	425	37	39	44	43	43	39	32	24
		L		800	337	36	38	43	42	43	38	31	23
	DUCTED DISCHARGE	H		840	512	50	45	45	50	51	47	41	37
		M		820	425	50	44	45	49	50	46	40	36
		L		800	337	49	44	44	49	50	46	40	36
ARNU123M2A4	RETURN OPENING	H	0.24	840	512	42	45	45	49	49	43	37	31
		M		820	425	42	45	45	49	49	43	37	31
		L		800	337	42	45	45	49	49	42	37	30
	CASING RADIATED	H		840	512	37	39	44	43	44	39	32	24
		M		820	425	37	39	44	43	43	39	32	24
		L		800	337	36	38	43	42	43	38	31	23
	DUCTED DISCHARGE	H		840	512	50	45	45	50	51	47	41	37
		M		820	425	50	44	45	49	50	46	40	36
		L		800	337	49	44	44	49	50	46	40	36
ARNU093M2A4	RETURN OPENING	H	0.24	830	468	42	45	45	49	49	43	37	31
		M		810	381	42	45	45	49	49	42	37	31
		L		790	294	41	44	45	48	48	42	37	30
	CASING RADIATED	H		830	468	37	39	44	43	44	39	32	24
		M		810	381	36	38	43	42	43	39	32	24
		L		790	294	36	38	43	42	43	38	31	23
	DUCTED DISCHARGE	H		830	468	50	44	45	49	50	47	40	36
		M		810	381	49	44	45	49	50	46	40	36
		L		790	294	49	43	44	48	50	46	39	35
ARNU073M2A4	RETURN OPENING	H	0.24	830	468	42	45	45	49	49	43	37	31
		M		810	381	42	45	45	49	49	42	37	31
		L		790	294	41	44	45	48	48	42	37	30
	CASING RADIATED	H		830	468	37	39	44	43	44	39	32	24
		M		810	381	36	38	43	42	43	39	32	24
		L		790	294	36	38	43	42	43	38	31	23
	DUCTED DISCHARGE	H		830	468	50	44	45	49	50	47	40	36
		M		810	381	49	44	45	49	50	46	40	36
		L		790	294	49	43	44	48	50	46	39	35

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU423M2A4	RETURN OPENING	H	0.71	1520	1084	55	62	66	67	69	61	55	48
		M		1500	1036	54	61	65	65	67	60	54	47
		L		1480	969	53	60	63	64	66	59	52	46
	CASING RADIATED	H		1520	1084	55	61	63	68	69	61	54	45
		M		1500	1036	54	60	61	66	68	60	52	43
		L		1480	969	52	58	60	65	66	58	51	42
	DUCTED DISCHARGE	H		1520	1084	72	68	66	69	71	70	62	54
		M		1500	1036	71	67	65	68	70	69	61	53
		L		1480	969	69	66	64	67	68	67	60	51
ARNU363M2A4	RETURN OPENING	H	0.71	1500	1036	54	61	65	65	67	60	54	47
		M		1480	969	53	60	63	64	66	59	52	46
		L		1440	835	50	57	61	62	64	56	50	43
	CASING RADIATED	H		1500	1036	54	60	61	66	68	60	52	43
		M		1480	969	52	58	60	65	66	58	51	42
		L		1440	835	49	55	57	62	63	55	48	39
	DUCTED DISCHARGE	H		1500	1036	71	67	65	68	70	69	61	53
		M		1480	969	69	66	64	67	68	67	60	51
		L		1440	835	67	63	61	64	66	65	57	49
ARNU283M2A4	RETURN OPENING	H	0.71	1480	969	53	60	63	64	66	59	52	46
		M		1440	835	50	57	61	62	64	56	50	43
		L		1420	768	49	56	60	60	62	55	49	42
	CASING RADIATED	H		1480	969	52	58	60	65	66	58	51	42
		M		1440	835	49	55	57	62	63	55	48	39
		L		1420	768	47	54	55	60	62	54	46	37
	DUCTED DISCHARGE	H		1480	969	69	66	64	67	68	67	60	51
		M		1440	835	67	63	61	64	66	65	57	49
		L		1420	768	66	62	60	63	65	64	56	48
ARNU243M2A4	RETURN OPENING	H	0.71	1360	616	46	53	57	57	59	52	46	39
		M		1340	528	45	52	56	56	58	51	45	38
		L		1300	353	42	49	52	53	55	48	41	35
	CASING RADIATED	H		1360	616	44	50	52	56	58	50	43	33
		M		1340	528	42	49	50	55	57	49	41	32
		L		1300	353	40	46	48	53	54	46	39	30
	DUCTED DISCHARGE	H		1360	616	62	59	57	60	61	60	53	44
		M		1340	528	61	58	56	59	60	59	52	43
		L		1300	353	59	55	53	56	58	57	49	41

# DUCTED HIGH STATIC

## Acoustic Data

### Sound Power Data for M2 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU183M2A4	RETURN OPENING	H	0.71	1360	616	46	53	57	57	59	52	46	39
		M		1340	528	45	52	56	56	58	51	45	38
		L		1300	353	42	49	52	53	55	48	41	35
	CASING RADIATED	H		1360	616	44	50	52	56	58	50	43	33
		M		1340	528	42	49	50	55	57	49	41	32
		L		1300	353	40	46	48	53	54	46	39	30
	DUCTED DISCHARGE	H		1360	616	62	59	57	60	61	60	53	44
		M		1340	528	61	58	56	59	60	59	52	43
		L		1300	353	59	55	53	56	58	57	49	41
ARNU153M2A4	RETURN OPENING	H	0.71	1340	528	45	52	56	56	58	51	45	38
		M		1300	353	42	49	52	53	55	48	41	35
		L		1260	258	47	52	52	53	54	47	41	34
	CASING RADIATED	H		1340	528	42	49	50	55	57	49	41	32
		M		1300	353	40	46	48	53	54	46	39	30
		L		1260	258	46	48	48	49	51	47	41	32
	DUCTED DISCHARGE	H		1340	528	61	58	56	59	60	59	52	43
		M		1300	353	59	55	53	56	58	57	49	41
		L		1260	258	53	51	53	57	59	57	50	41
ARNU123M2A4	RETURN OPENING	H	0.71	1340	528	45	52	56	56	58	51	45	38
		M		1300	353	42	49	52	53	55	48	41	35
		L		1260	258	47	52	52	53	54	47	41	34
	CASING RADIATED	H		1340	528	42	49	50	55	57	49	41	32
		M		1300	353	40	46	48	53	54	46	39	30
		L		1260	258	46	48	48	49	51	47	41	32
	DUCTED DISCHARGE	H		1340	528	61	58	56	59	60	59	52	43
		M		1300	353	59	55	53	56	58	57	49	41
		L		1260	258	53	51	53	57	59	57	50	41
ARNU093M2A4	RETURN OPENING	H	0.71	1320	440	44	51	55	55	57	50	44	37
		M		1280	306	48	53	52	54	55	48	42	34
		L		1240	211	48	52	51	53	52	46	39	32
	CASING RADIATED	H		1320	440	41	48	49	54	55	48	40	31
		M		1280	306	47	49	49	50	52	48	41	33
		L		1240	211	43	48	48	49	50	46	39	31
	DUCTED DISCHARGE	H		1320	440	61	57	55	58	59	59	51	43
		M		1280	306	54	52	53	58	59	58	51	42
		L		1240	211	52	50	52	56	57	57	50	42
ARNU073M2A4	RETURN OPENING	H	0.71	1320	440	44	51	55	55	57	50	44	37
		M		1280	306	48	53	52	54	55	48	42	34
		L		1240	211	48	52	51	53	52	46	39	32
	CASING RADIATED	H		1320	440	41	48	49	54	55	48	40	31
		M		1280	306	47	49	49	50	52	48	41	33
		L		1240	211	43	48	48	49	50	46	39	31
	DUCTED DISCHARGE	H		1320	440	61	57	55	58	59	59	51	43
		M		1280	306	54	52	53	58	59	58	51	42
		L		1240	211	52	50	52	56	57	57	50	42

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU543M3A4	RETURN OPENING	H	0.16	940	1705	41	49	49	54	54	47	42	33
		M		900	1562	39	47	48	53	52	45	40	32
		L		820	1303	36	44	45	50	49	42	37	29
	CASING RADIATED	H		940	1705	34	43	47	49	46	43	38	29
		M		900	1562	33	41	46	47	45	42	36	27
		L		820	1303	30	38	43	45	42	39	33	24
	DUCTED DISCHARGE	H		940	1705	43	48	52	58	58	53	49	40
		M		900	1562	41	46	51	56	56	51	48	39
		L		820	1303	38	43	47	53	53	47	44	35
ARNU483M3A4	RETURN OPENING	H	0.16	830	1336	37	45	45	50	50	43	38	29
		M		780	1171	35	43	44	48	48	41	36	27
		L		740	1037	39	41	42	47	46	38	32	19
	CASING RADIATED	H		830	1336	30	39	43	45	42	39	34	25
		M		780	1171	29	37	42	44	41	38	32	23
		L		740	1037	42	36	39	41	37	34	29	22
	DUCTED DISCHARGE	H		830	1336	38	43	48	53	53	48	45	36
		M		780	1171	36	41	46	51	51	46	42	33
		L		740	1037	35	39	45	50	49	43	39	28
ARNU423M3A4	RETURN OPENING	H	0.16	810	1269	36	44	45	49	49	42	37	28
		M		760	1106	40	42	43	48	47	39	33	20
		L		700	891	38	40	41	46	44	37	30	18
	CASING RADIATED	H		810	1269	30	38	43	44	42	39	33	24
		M		760	1106	43	37	40	42	38	35	29	23
		L		700	891	42	36	39	41	37	34	28	22
	DUCTED DISCHARGE	H		810	1269	37	42	47	52	53	47	44	35
		M		760	1106	35	40	46	51	49	44	40	29
		L		700	891	33	38	44	49	47	42	37	26
ARNU363M3A4	RETURN OPENING	H	0.16	810	1269	36	44	45	49	49	42	37	28
		M		760	1106	40	42	43	48	47	39	33	20
		L		700	854	38	40	41	46	44	37	30	18
	CASING RADIATED	H		810	1269	30	38	43	44	42	39	33	24
		M		760	1106	43	37	40	42	38	35	29	23
		L		700	854	42	36	39	41	37	34	28	22
	DUCTED DISCHARGE	H		810	1269	37	42	47	52	53	47	44	35
		M		760	1106	35	40	46	51	49	44	40	29
		L		700	854	33	38	44	49	47	42	37	26
ARNU283M3A4	RETURN OPENING	H	0.16	790	1203	35	43	44	48	48	41	36	27
		M		740	1037	39	41	42	47	46	38	32	19
		L		680	817	37	39	40	45	44	36	30	17
	CASING RADIATED	H		790	1203	29	37	42	43	41	37	32	23
		M		740	1037	42	36	39	41	37	34	29	22
		L		680	817	41	35	38	40	36	33	28	21
	DUCTED DISCHARGE	H		790	1203	36	42	46	52	52	46	43	34
		M		740	1037	35	39	45	50	49	43	39	28
		L		680	817	32	37	43	48	46	41	36	25

# DUCTED HIGH STATIC

## Acoustic Data

### Sound Power Data for M3 Units

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU543M3A4	RETURN OPENING	H	0.20	970	1720	39	49	51	55	55	49	45	39
		M		920	1558	39	48	50	54	55	48	44	39
		L		880	1424	38	46	48	52	52	45	41	34
	CASING RADIATED	H		970	1720	35	45	48	50	48	45	35	35
		M		920	1558	34	44	47	49	47	44	39	32
		L		880	1424	36	42	44	46	44	41	37	29
	DUCTED DISCHARGE	H		970	1720	47	47	53	59	59	55	53	49
		M		920	1558	46	46	53	58	58	54	52	49
		L		880	1424	47	43	51	55	55	50	48	43
ARNU483M3A4	RETURN OPENING	H	0.20	890	1457	38	46	48	52	52	45	41	34
		M		820	1189	36	44	45	49	49	43	39	31
		L		760	952	33	41	43	47	47	40	36	29
	CASING RADIATED	H		890	1457	36	42	44	47	45	41	36	36
		M		820	1189	34	40	42	45	42	39	35	27
		L		760	952	32	38	40	43	41	37	33	25
	DUCTED DISCHARGE	H		890	1457	48	44	51	55	55	51	49	44
		M		820	1189	45	41	48	52	52	48	46	41
		L		760	952	42	38	46	50	50	45	43	38
ARNU423M3A4	RETURN OPENING	H	0.20	850	1327	37	45	47	51	51	44	40	33
		M		800	1097	35	43	45	49	49	42	38	31
		L		760	952	33	41	43	47	47	40	36	29
	CASING RADIATED	H		850	1327	35	41	43	45	43	40	35	35
		M		800	1097	33	39	41	44	42	38	34	26
		L		760	952	32	38	40	43	41	37	33	25
	DUCTED DISCHARGE	H		850	1327	46	42	50	54	54	49	47	42
		M		800	1097	44	40	48	52	51	47	45	40
		L		760	952	42	38	46	50	50	45	43	38
ARNU363M3A4	RETURN OPENING	H	0.20	850	1327	37	45	47	51	51	44	40	33
		M		800	1097	35	43	45	49	49	42	38	31
		L		760	952	33	41	43	47	47	40	36	29
	CASING RADIATED	H		850	1327	35	41	43	45	43	40	35	35
		M		800	1097	33	39	41	44	42	38	34	26
		L		760	952	32	38	40	43	41	37	33	25
	DUCTED DISCHARGE	H		850	1327	46	42	50	54	54	49	47	42
		M		800	1097	44	40	48	52	51	47	45	40
		L		760	952	42	38	46	50	50	45	43	38
ARNU283M3A4	RETURN OPENING	H	0.20	830	1235	36	44	46	50	50	43	39	32
		M		790	1060	35	42	44	48	48	42	37	30
		L		750	915	33	41	43	47	47	40	36	29
	CASING RADIATED	H		830	1235	34	40	42	45	43	39	34	34
		M		790	1060	33	39	41	44	41	38	34	26
		L		750	915	32	38	40	43	40	37	33	25
	DUCTED DISCHARGE	H		830	1235	45	41	49	53	53	48	46	41
		M		790	1060	43	40	47	51	51	46	44	40
		L		750	915	42	38	45	49	49	45	43	38

Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU543M3A4	RETURN OPENING	H	0.24	1000	1744	41	49	51	55	57	50	47	42
		M		960	1614	40	48	49	53	56	49	45	40
		L		920	1482	38	46	48	52	52	45	41	34
	CASING RADIATED	H		1000	1744	36	46	50	51	50	46	42	36
		M		960	1614	34	44	48	49	48	45	40	34
		L		920	1482	33	43	46	47	44	42	37	28
	DUCTED DISCHARGE	H		1000	1744	52	49	54	60	61	56	55	52
		M		960	1614	50	47	52	58	59	54	53	50
		L		920	1482	44	45	51	55	56	51	48	42
ARNU483M3A4	RETURN OPENING	H	0.24	920	1482	38	46	48	52	52	45	41	34
		M		840	1191	39	44	46	50	50	43	38	30
		L		790	918	37	43	44	48	48	41	37	28
	CASING RADIATED	H		920	1482	33	43	46	47	44	42	37	28
		M		840	1191	36	38	43	45	42	39	33	23
		L		790	918	35	37	42	44	41	38	32	22
	DUCTED DISCHARGE	H		920	1482	44	45	51	55	56	51	48	42
		M		840	1191	39	42	49	53	54	48	45	38
		L		790	918	37	41	47	51	52	46	43	36
ARNU423M3A4	RETURN OPENING	H	0.24	910	1449	38	47	49	53	53	46	42	35
		M		840	1191	39	44	46	50	50	43	38	30
		L		790	918	37	43	44	48	48	41	37	28
	CASING RADIATED	H		910	1449	34	43	46	47	45	42	37	28
		M		840	1191	36	38	43	45	42	39	33	23
		L		790	918	35	37	42	44	41	38	32	22
	DUCTED DISCHARGE	H		910	1449	45	46	52	56	57	52	49	43
		M		840	1191	39	42	49	53	54	48	45	38
		L		790	918	37	41	47	51	52	46	43	36
ARNU363M3A4	RETURN OPENING	H	0.24	910	1449	38	47	49	53	53	46	42	35
		M		840	1191	39	44	46	50	50	43	38	30
		L		790	918	37	43	44	48	48	41	37	28
	CASING RADIATED	H		910	1449	34	43	46	47	45	42	37	28
		M		840	1191	36	38	43	45	42	39	33	23
		L		790	918	35	37	42	44	41	38	32	22
	DUCTED DISCHARGE	H		910	1449	45	46	52	56	57	52	49	43
		M		840	1191	39	42	49	53	54	48	45	38
		L		790	918	37	41	47	51	52	46	43	36
ARNU283M3A4	RETURN OPENING	H	0.24	850	1250	36	45	47	50	51	44	40	33
		M		810	1017	38	43	45	49	49	42	37	29
		L		770	837	37	42	43	48	47	41	36	28
	CASING RADIATED	H		850	1250	32	41	44	45	43	40	35	26
		M		810	1017	35	38	42	45	41	38	32	23
		L		770	837	34	36	41	43	40	37	31	22
	DUCTED DISCHARGE	H		850	1250	42	43	49	54	54	49	46	40
		M		810	1017	38	41	48	52	52	47	44	37
		L		770	837	37	40	46	50	51	45	42	35



# DUCTED HIGH STATIC

## Acoustic Data

### Sound Power Data for M3 Units

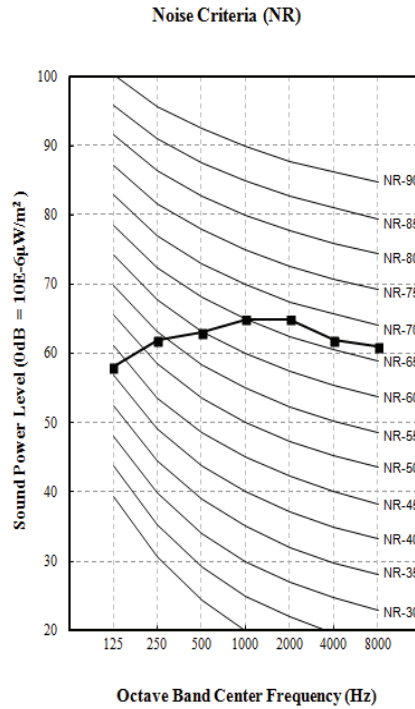
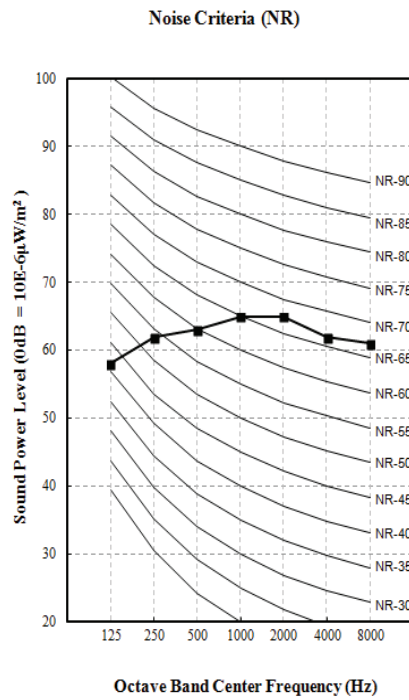
Model	Rating	Fan speed	E.S.P	RPM	CFM	Sound power level, Lw (dB one reference picowatt)							
						63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
ARNU543M3A4	RETURN OPENING	H	0.79	1320	1477	49	54	53	56	59	51	47	40
		M		1300	1398	49	54	53	56	59	50	47	40
		L		1280	1306	49	54	53	56	59	50	47	40
	CASING RADIATED	H		1320	1477	48	52	51	53	53	50	46	38
		M		1300	1398	47	52	50	52	52	50	45	38
		L		1280	1306	47	51	50	52	52	50	45	38
	DUCTED DISCHARGE	H		1320	1477	66	61	56	60	62	60	55	48
		M		1300	1398	66	61	56	60	62	60	55	48
		L		1280	1306	65	61	55	60	62	60	54	48
ARNU483M3A4	RETURN OPENING	H	0.79	1280	1306	49	54	53	56	59	50	47	40
		M		1260	1214	48	53	53	56	58	50	46	40
		L		1200	868	48	53	52	55	58	49	46	39
	CASING RADIATED	H		1280	1306	47	51	50	52	52	50	45	38
		M		1260	1214	47	51	50	51	52	49	45	37
		L		1200	868	46	50	48	50	51	48	44	36
	DUCTED DISCHARGE	H		1280	1306	65	61	55	60	62	60	54	48
		M		1260	1214	65	61	55	60	61	59	54	47
		L		1200	868	65	60	55	59	61	59	54	47
ARNU423M3A4	RETURN OPENING	H	0.79	1260	1214	48	53	53	56	58	50	46	40
		M		1220	988	48	53	52	55	58	49	46	39
		L		1200	868	48	53	52	55	58	49	46	39
	CASING RADIATED	H		1260	1214	47	51	50	51	52	49	45	37
		M		1220	988	46	50	49	51	51	49	44	36
		L		1200	868	46	50	48	50	51	48	44	36
	DUCTED DISCHARGE	H		1260	1214	65	61	55	60	61	59	54	47
		M		1220	988	65	60	55	59	61	59	54	47
		L		1200	868	65	60	55	59	61	59	54	47
ARNU363M3A4	RETURN OPENING	H	0.79	1260	1214	48	53	53	56	58	50	46	40
		M		1220	988	48	53	52	55	58	49	46	39
		L		1200	868	48	53	52	55	58	49	46	39
	CASING RADIATED	H		1260	1214	47	51	50	51	52	49	45	37
		M		1220	988	46	50	49	51	51	49	44	36
		L		1200	868	46	50	48	50	51	48	44	36
	DUCTED DISCHARGE	H		1260	1214	65	61	55	60	61	59	54	47
		M		1220	988	65	60	55	59	61	59	54	47
		L		1200	868	65	60	55	59	61	59	54	47
ARNU283M3A4	RETURN OPENING	H	0.79	1240	1108	48	53	52	55	58	50	46	39
		M		1200	868	48	53	52	55	58	49	46	39
		L		1180	779	47	52	52	55	57	49	45	39
	CASING RADIATED	H		1240	1108	46	51	49	51	51	49	44	37
		M		1200	868	46	50	48	50	51	48	44	36
		L		1180	779	45	50	48	50	50	48	43	36
	DUCTED DISCHARGE	H		1240	1108	65	60	55	59	61	59	54	47
		M		1200	868	65	60	55	59	61	59	54	47
		L		1180	779	64	60	54	58	60	58	53	46



Figure 25: ARNU363~763B8A4 and ARNU963B8A4 Sound Power Level Diagrams.

ARNU363B8A4, ARNU423B8A4,  
ARNU483B8A4, ARNU763B8A4

ARNU963B8A4



# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU073BHA4

Table 37: ARNU073BHA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU073BHA4/ 7.5	-9.9	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	-5	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	0	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	5	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	10	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	14	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	20	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	23	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	25	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	30	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	35	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	40	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	45	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	50	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	55	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.7	5.8
	60	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.6	5.8
	65	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.4	5.7
	70	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.3	5.6
	75	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.9	5.8	9.1	5.5
	80	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.4	5.9	8.7	5.8	8.8	5.5
	85	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.3	5.8	8.4	5.6	8.6	5.3
	90	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.2	5.7	8.3	5.5	8.4	5.2
	95	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	8.0	5.7	8.2	5.4	8.3	5.1
	100	4.9	4.2	6.0	4.8	6.8	5.2	7.5	5.5	7.9	5.6	8.0	5.4	8.2	5.1
	105	4.9	4.2	5.7	4.6	6.4	4.9	7.2	5.3	7.5	5.3	7.7	5.2	7.9	5.0
	110	4.8	4.1	5.4	4.4	6.0	4.6	6.8	4.9	7.1	4.9	7.3	4.9	7.7	4.8
	115	4.7	4.0	5.1	4.1	5.6	4.3	6.3	4.7	6.6	4.7	7.0	4.7	7.4	4.6
	118	4.6	3.8	4.9	3.9	5.4	4.1	6.1	4.5	6.3	4.5	6.7	4.5	7.1	4.4
	122	4.5	3.7	4.6	3.7	5.1	3.8	5.8	4.2	6.0	4.2	6.3	4.2	6.8	4.2

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU093BHA4

Table 38: ARNU093BHA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU093BHA4/ 9.5	-9.9	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	-5	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	0	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	5	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	10	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	14	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	20	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	23	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	25	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	30	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	35	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	40	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	45	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	50	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	55	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.4	7.4
	60	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.3	7.4
	65	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	12.1	7.3
	70	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	11.9	7.2
	75	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.4	7.4	11.6	7.0
	80	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.8	7.5	11.1	7.4	11.3	7.0
	85	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.6	7.4	10.8	7.1	11.0	6.7
	90	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.5	7.3	10.6	7.0	10.8	6.6
	95	6.3	5.3	7.7	6.2	8.6	6.6	<b>9.6</b>	<b>7.0</b>	10.3	7.3	10.5	6.9	10.6	6.5
	100	6.3	5.3	7.7	6.2	8.6	6.6	9.6	7.0	10.1	7.2	10.3	6.8	10.5	6.5
	105	6.3	5.3	7.3	5.9	8.2	6.3	9.2	6.7	9.6	6.7	9.9	6.6	10.2	6.3
	110	6.2	5.2	6.9	5.5	7.7	5.9	8.6	6.3	9.0	6.3	9.4	6.3	9.8	6.1
	115	6.0	5.0	6.6	5.3	7.2	5.5	8.1	6.0	8.5	6.0	8.9	6.0	9.4	5.9
	118	5.9	4.9	6.2	5.0	6.9	5.2	7.8	5.7	8.1	5.7	8.5	5.7	9.0	5.6
	122	5.7	4.7	5.9	4.7	6.5	4.9	7.4	5.4	7.7	5.4	8.1	5.4	8.7	5.4

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU123BHA4

Table 39: ARNU123BHA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU123BHA4/ 12.3	-9.9	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	-5	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	0	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	5	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	10	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	14	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	20	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	23	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	25	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	30	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	35	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	40	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	45	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	50	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	55	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.9	9.6
	60	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.7	9.5
	65	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.5	9.4
	70	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	15.3	9.2
	75	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.7	9.6	14.9	9.0
	80	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.8	9.7	14.2	9.5	14.5	9.0
	85	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.6	9.6	13.8	9.1	14.0	8.6
	90	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.4	9.4	13.5	9.0	13.8	8.5
	95	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	13.2	9.4	13.4	8.9	13.6	8.4
	100	8.1	6.9	9.8	7.9	11.1	8.4	12.3	9.0	12.9	9.2	13.2	8.8	13.4	8.3
	105	8.1	6.9	9.3	7.5	10.6	8.1	11.8	8.6	12.3	8.6	12.7	8.5	13.0	8.1
	110	7.9	6.7	8.9	7.1	9.8	7.5	11.1	8.1	11.6	8.1	12.0	8.1	12.6	7.9
	115	7.7	6.5	8.4	6.8	9.2	7.1	10.4	7.7	10.9	7.7	11.4	7.7	12.1	7.6
	118	7.5	6.3	8.0	6.4	8.8	6.7	10.0	7.3	10.4	7.3	10.9	7.3	11.6	7.3
	122	7.3	6.1	7.6	6.1	8.3	6.3	9.4	6.9	9.8	6.9	10.3	6.9	11.1	6.9

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU153BHA4

Table 40: ARNU153BHA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU153BHA4/ 15.4	-9.9	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	-5	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	0	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	5	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	10	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	14	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	20	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	23	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	25	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	30	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	35	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	40	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	45	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	50	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	55	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.9	11.9
	60	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.7	11.8
	65	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.4	11.6
	70	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	19.1	11.4
	75	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	18.4	11.9	18.6	11.2
	80	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.3	12.0	17.8	11.8	18.2	11.1
	85	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	17.1	11.9	17.3	11.3	17.6	10.7
	90	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	16.8	11.7	16.9	11.1	17.3	10.6
	95	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	16.5	11.6	16.8	11.1	17.1	10.4
	100	10.1	8.6	12.3	9.9	13.9	10.5	15.4	11.2	16.2	11.4	16.5	10.9	16.8	10.4
	105	10.1	8.6	11.7	9.4	13.2	10.1	14.8	10.7	15.4	10.7	15.8	10.6	16.3	10.1
	110	9.9	8.3	11.1	8.9	12.3	9.4	13.9	10.1	14.5	10.1	15.1	10.1	15.7	9.8
	115	9.6	8.1	10.5	8.4	11.6	8.8	13.0	9.6	13.6	9.6	14.3	9.6	15.1	9.4
	118	9.4	7.8	10.0	8.0	11.0	8.3	12.5	9.1	13.0	9.1	13.7	9.1	14.5	9.0
	122	9.1	7.6	9.5	7.6	10.4	7.8	11.8	8.6	12.3	8.6	12.9	8.6	13.9	8.6

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU183BHA4

Table 41: ARNU183BHA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU183BHA4/ 19.1	-9.9	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	-5	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	0	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	5	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	10	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	14	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	20	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	23	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	25	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	30	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	35	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	40	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	45	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	50	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	55	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.7	14.8
	60	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.4	14.7
	65	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	24.0	14.5
	70	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	23.7	14.2
	75	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.8	14.8	23.1	13.9
	80	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.4	14.9	22.1	14.7	22.5	13.8
	85	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	21.2	14.8	21.4	14.1	21.8	13.3
	90	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	20.9	14.5	21.0	13.8	21.4	13.1
	95	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	20.5	14.5	20.9	13.7	21.2	13.0
	100	12.6	10.6	15.3	12.3	17.2	13.0	19.1	13.9	20.1	14.2	20.5	13.6	20.9	12.9
	105	12.6	10.6	14.5	11.6	16.4	12.5	18.3	13.3	19.0	13.3	19.7	13.1	20.2	12.6
	110	12.3	10.3	13.8	11.0	15.3	11.6	17.2	12.5	18.0	12.5	18.7	12.5	19.5	12.2
	115	12.0	10.0	13.1	10.5	14.4	10.9	16.2	11.9	16.9	11.9	17.8	11.9	18.7	11.7
	118	11.7	9.7	12.4	9.9	13.6	10.3	15.5	11.3	16.1	11.3	17.0	11.3	18.0	11.2
	122	11.3	9.4	11.8	9.4	12.9	9.7	14.7	10.7	15.3	10.7	16.0	10.7	17.2	10.7

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU243BHA4

Table 42: ARNU243BHA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU243BHA4/ 24.3	-9.9	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	-5	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	0	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	5	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	10	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	14	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	20	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	23	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	25	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	30	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	35	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	40	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	45	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	50	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	55	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.4	18.9
	60	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	31.1	18.8
	65	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	30.6	18.5
	70	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	30.2	18.2
	75	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	29.0	18.9	29.4	17.8
	80	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	27.2	19.1	28.1	18.8	28.7	17.7
	85	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	26.9	18.9	27.2	18.0	27.7	17.0
	90	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	26.5	18.6	26.7	17.7	27.2	16.8
	95	16.0	13.6	19.4	15.7	21.9	16.7	<b>24.3</b>	<b>17.8</b>	26.0	18.5	26.5	17.6	26.9	16.6
	100	16.0	13.6	19.4	15.7	21.9	16.7	24.3	17.8	25.5	18.2	26.0	17.4	26.5	16.5
	105	16.0	13.6	18.4	14.9	20.9	16.0	23.3	17.0	24.2	17.0	25.0	16.8	25.7	16.1
	110	15.6	13.2	17.5	14.1	19.4	14.9	21.9	16.0	22.9	16.0	23.8	16.0	24.8	15.6
	115	15.2	12.8	16.6	13.4	18.3	14.0	20.6	15.2	21.5	15.2	22.6	15.2	23.8	14.9
	118	14.8	12.4	15.8	12.7	17.4	13.1	19.7	14.4	20.5	14.4	21.6	14.4	22.9	14.3
	122	14.4	12.0	15.0	12.0	16.4	12.4	18.7	13.7	19.4	13.7	20.4	13.7	21.9	13.7

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU073M2A4

Table 43: ARNU073M2A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU073M2A4/ 7.5	-9.9	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	-5	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	0	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	5	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	10	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	14	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	20	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	23	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	25	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	30	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	35	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	40	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	45	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	50	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	55	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.7	6.4
	60	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.6	6.3
	65	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.4	6.2
	70	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.3	6.1
	75	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.9	6.4	9.1	6.0
	80	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.4	6.4	8.7	6.3	8.8	6.0
	85	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.3	6.4	8.4	6.1	8.6	5.7
	90	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8.2	6.3	8.3	6.0	8.4	5.7
	95	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	8	6.2	8.2	5.9	8.3	5.6
	100	4.9	4.6	6	5.3	6.8	5.6	7.5	6.0	7.9	6.1	8	5.9	8.2	5.6
	105	4.9	4.6	5.7	5.0	6.4	5.4	7.2	5.7	7.5	5.7	7.7	5.7	7.9	5.4
	110	4.8	4.4	5.4	4.8	6	5.0	6.8	5.4	7.1	5.4	7.3	5.4	7.7	5.3
	115	4.7	4.3	5.1	4.5	5.6	4.7	6.3	5.1	6.6	5.1	7	5.1	7.4	5.0
	118	4.6	4.2	4.9	4.3	5.4	4.4	6.1	4.9	6.3	4.9	6.7	4.9	7.1	4.8
	122	4.5	4.1	4.6	4.1	5.1	4.2	5.8	4.6	6	4.6	6.3	4.6	6.8	4.6

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU093M2A4

Table 44: ARNU093M2A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU093M2A4/ 9.5	-9.9	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	-5	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	0	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	5	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	10	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	14	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	20	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	23	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	25	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	30	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	35	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	40	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	45	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	50	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	55	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.4	8.1
	60	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.3	8.0
	65	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	12.1	7.9
	70	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	11.9	7.8
	75	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.4	8.1	11.6	7.6
	80	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.8	8.1	11.1	8.0	11.3	7.5
	85	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.6	8.1	10.8	7.7	11	7.2
	90	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.5	7.9	10.6	7.5	10.8	7.2
	95	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.3	7.9	10.5	7.5	10.6	7.1
	100	6.3	5.8	7.7	6.7	8.6	7.1	9.6	7.6	10.1	7.8	10.3	7.4	10.5	7.0
	105	6.3	5.8	7.3	6.3	8.2	6.8	9.2	7.2	9.6	7.2	9.9	7.2	10.2	6.9
	110	6.2	5.6	6.9	6.0	7.7	6.3	8.6	6.8	9	6.8	9.4	6.8	9.8	6.6
	115	6	5.5	6.6	5.7	7.2	6.0	8.1	6.5	8.5	6.5	8.9	6.5	9.4	6.4
	118	5.9	5.3	6.2	5.4	6.9	5.6	7.8	6.2	8.1	6.2	8.5	6.2	9	6.1
	122	5.7	5.1	5.9	5.1	6.5	5.3	7.4	5.8	7.7	5.8	8.1	5.8	8.7	5.8

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU123M2A4

Table 45: ARNU123M2A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU123M2A4/ 12.3	-9.9	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	-5	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	0	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	5	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	10	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	14	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	20	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	23	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	25	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	30	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	35	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	40	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	45	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	50	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	55	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.9	10.2
	60	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.7	10.1
	65	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.5	10.0
	70	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	15.3	9.8
	75	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.7	10.2	14.9	9.6
	80	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.8	10.3	14.2	10.1	14.5	9.5
	85	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.6	10.2	13.8	9.7	14	9.2
	90	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	13.4	10.0	13.5	9.5	13.8	9.1
	95	8.1	7.3	9.8	8.5	11.1	9.0	<b>12.3</b>	<b>9.6</b>	13.2	10.0	13.4	9.5	13.6	8.9
	100	8.1	7.3	9.8	8.5	11.1	9.0	12.3	9.6	12.9	9.8	13.2	9.4	13.4	8.9
	105	8.1	7.3	9.3	8.0	10.6	8.6	11.8	9.2	12.3	9.2	12.7	9.1	13	8.7
	110	7.9	7.1	8.9	7.6	9.8	8.0	11.1	8.6	11.6	8.6	12	8.6	12.6	8.4
	115	7.7	6.9	8.4	7.2	9.2	7.6	10.4	8.2	10.9	8.2	11.4	8.2	12.1	8.1
	118	7.5	6.7	8	6.9	8.8	7.1	10	7.8	10.4	7.8	10.9	7.8	11.6	7.7
	122	7.3	6.5	7.6	6.5	8.3	6.7	9.4	7.4	9.8	7.4	10.3	7.4	11.1	7.4

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU153M2A4

Table 46: ARNU153M2A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU153M2A4/ 15.4	-9.9	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	-5	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	0	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	5	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	10	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	14	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	20	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	23	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	25	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	30	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	35	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	40	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	45	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	50	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	55	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.9	12.9
	60	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.7	12.8
	65	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.4	12.6
	70	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	19.1	12.4
	75	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	18.4	12.9	18.6	12.2
	80	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.3	13.1	17.8	12.8	18.2	12.1
	85	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	17.1	12.9	17.3	12.3	17.6	11.6
	90	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	16.8	12.7	16.9	12.1	17.3	11.5
	95	10.1	9.3	12.3	10.7	13.9	11.4	<b>15.4</b>	<b>12.2</b>	16.5	12.6	16.8	12.0	17.1	11.3
	100	10.1	9.3	12.3	10.7	13.9	11.4	15.4	12.2	16.2	12.4	16.5	11.9	16.8	11.3
	105	10.1	9.3	11.7	10.2	13.2	10.9	14.8	11.6	15.4	11.6	15.8	11.5	16.3	11.0
	110	9.9	9.0	11.1	9.6	12.3	10.2	13.9	10.9	14.5	10.9	15.1	10.9	15.7	10.7
	115	9.6	8.8	10.5	9.1	11.6	9.6	13	10.4	13.6	10.4	14.3	10.4	15.1	10.2
	118	9.4	8.5	10	8.7	11	9.0	12.5	9.9	13	9.9	13.7	9.9	14.5	9.8
	122	9.1	8.2	9.5	8.2	10.4	8.5	11.8	9.4	12.3	9.4	12.9	9.4	13.9	9.4

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://ghvac.com/commercial>.

### Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU183M2A4

Table 47: ARNU183M2A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU183M2A4/ 19.1	-9.9	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	-5	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	0	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	5	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	10	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	14	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	20	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	23	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	25	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	30	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	35	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	40	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	45	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	50	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	55	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.7	15.8
	60	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24.4	15.7
	65	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	24	15.5
	70	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	23.7	15.2
	75	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.8	15.8	23.1	14.9
	80	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.4	16.0	22.1	15.7	22.5	14.8
	85	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	21.2	15.8	21.4	15.1	21.8	14.2
	90	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	20.9	15.6	21	14.8	21.4	14.1
	95	12.6	11.4	15.3	13.1	17.2	14.0	<b>19.1</b>	<b>14.9</b>	20.5	15.5	20.9	14.7	21.2	13.9
	100	12.6	11.4	15.3	13.1	17.2	14.0	19.1	14.9	20.1	15.2	20.5	14.6	20.9	13.8
	105	12.6	11.4	14.5	12.5	16.4	13.4	18.3	14.2	19	14.2	19.7	14.1	20.2	13.5
	110	12.3	11.0	13.8	11.8	15.3	12.5	17.2	13.4	18	13.4	18.7	13.4	19.5	13.1
	115	12	10.7	13.1	11.2	14.4	11.7	16.2	12.7	16.9	12.7	17.8	12.7	18.7	12.5
	118	11.7	10.4	12.4	10.6	13.6	11.0	15.5	12.1	16.1	12.1	17	12.1	18	12.0
	122	11.3	10.1	11.8	10.1	12.9	10.4	14.7	11.5	15.3	11.5	16	11.5	17.2	11.5

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU243M2A4

Table 48: ARNU243M2A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU243M2A4/ 24.2	-9.9	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	-5	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	0	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	5	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	10	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	14	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	20	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	23	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	25	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	30	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	35	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	40	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	45	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	50	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	55	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31.3	20.0
	60	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	31	19.9
	65	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	30.5	19.6
	70	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	30	19.3
	75	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28.8	20.0	29.2	18.9
	80	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	27.1	20.3	28	19.9	28.5	18.8
	85	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	26.8	20.0	27.1	19.1	27.6	18.0
	90	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	26.4	19.7	26.6	18.8	27.1	17.8
	95	15.9	14.4	19.4	16.6	21.8	17.7	<b>24.2</b>	<b>18.9</b>	25.9	19.6	26.4	18.7	26.8	17.6
	100	15.9	14.4	19.4	16.6	21.8	17.7	24.2	18.9	25.4	19.3	25.9	18.5	26.4	17.5
	105	15.9	14.4	18.4	15.8	20.8	17.0	23.2	18.0	24.1	18.0	24.9	17.8	25.6	17.1
	110	15.5	14.0	17.4	15.0	19.4	15.8	21.8	17.0	22.8	17.0	23.7	17.0	24.7	16.5
	115	15.1	13.6	16.6	14.2	18.2	14.9	20.5	16.1	21.4	16.1	22.5	16.1	23.7	15.9
	118	14.8	13.2	15.7	13.5	17.3	14.0	19.7	15.3	20.4	15.3	21.5	15.3	22.8	15.2
	122	14.4	12.8	15	12.8	16.3	13.1	18.6	14.5	19.4	14.5	20.3	14.5	21.9	14.5

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).  
Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.  
The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.  
Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).  
For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU283M2A4

Table 49: ARNU283M2A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU283M2A4/ 28.0	-9.9	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	-5	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	0	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	5	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	10	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	14	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	20	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	23	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	25	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	30	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	35	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	40	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	45	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	50	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	55	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	36.2	22.0
	60	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	35.8	21.9
	65	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	35.2	21.5
	70	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	34.8	21.2
	75	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	33.4	22.0	33.8	20.7
	80	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31.4	22.2	32.4	21.9	33	20.6
	85	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	31	22.0	31.4	21.0	32	19.8
	90	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	30.6	21.7	30.8	20.6	31.4	19.6
	95	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	30	21.5	30.6	20.5	31	19.3
	100	18.4	15.8	22.4	18.3	25.2	19.4	28	20.7	29.4	21.2	30	20.3	30.6	19.2
	105	18.4	15.8	21.2	17.3	24	18.6	26.8	19.8	27.9	19.8	28.8	19.6	29.6	18.7
	110	18	15.4	20.2	16.4	22.4	17.3	25.2	18.6	26.4	18.6	27.4	18.6	28.6	18.2
	115	17.5	14.9	19.2	15.6	21.1	16.3	23.7	17.7	24.8	17.7	26	17.7	27.4	17.4
	118	17.1	14.5	18.2	14.8	20	15.3	22.7	16.8	23.7	16.8	24.9	16.8	26.3	16.7
	122	16.6	14.0	17.3	14.0	18.9	14.4	21.5	16.0	22.4	16.0	23.5	16.0	25.3	16.0

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU363M2A4

Table 50: ARNU363M2A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU363M2A4/ 36.2	-9.9	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	-5	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	0	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	5	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	10	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	14	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	20	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	23	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	25	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	30	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	35	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	40	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	45	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	50	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	55	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.8	28.4
	60	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	46.3	28.3
	65	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	45.6	27.8
	70	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	44.9	27.4
	75	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	43.1	28.4	43.7	26.8
	80	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.6	28.7	41.9	28.3	42.7	26.6
	85	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	40.1	28.4	40.6	27.1	41.3	25.6
	90	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	39.5	28.0	39.8	26.6	40.6	25.3
	95	23.8	20.5	29	23.6	32.6	25.1	<b>36.2</b>	<b>26.8</b>	38.8	27.8	39.5	26.5	40.1	25.0
	100	23.8	20.5	29	23.6	32.6	25.1	36.2	26.8	38	27.4	38.8	26.2	39.5	24.8
	105	23.8	20.5	27.5	22.4	31.1	24.1	34.7	25.6	36.1	25.6	37.3	25.3	38.3	24.2
	110	23.2	19.9	26.1	21.2	29	22.4	32.6	24.1	34.1	24.1	35.4	24.1	37	23.5
	115	22.7	19.3	24.8	20.1	27.2	21.1	30.6	22.9	32	22.9	33.7	22.9	35.5	22.5
	118	22.1	18.7	23.5	19.1	25.8	19.8	29.4	21.7	30.6	21.7	32.1	21.7	34.1	21.6
	122	21.5	18.1	22.4	18.2	24.4	18.6	27.8	20.6	29	20.6	30.4	20.6	32.7	20.6

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU423M2A4

Table 51: ARNU423M2A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU423M2A4/ 42.0	-9.9	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	-5	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	0	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	5	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	10	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	14	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	20	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	23	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	25	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	30	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	35	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	40	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	45	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	50	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	55	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	54.3	33.0
	60	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	53.7	32.8
	65	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	52.9	32.3
	70	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	52.2	31.8
	75	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	50.1	33.0	50.8	31.1
	80	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	47.1	33.3	48.7	32.8	49.5	30.9
	85	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	46.6	33.0	47.1	31.4	48.0	29.7
	90	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	45.9	32.5	46.2	30.9	47.1	29.3
	95	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	45.0	32.3	45.9	30.7	46.6	29.0
	100	27.7	23.7	33.6	27.4	37.8	29.2	42.0	31.1	44.1	31.8	45.0	30.4	45.9	28.8
	105	27.7	23.7	31.9	26.0	36.1	27.9	40.3	29.7	41.9	29.7	43.2	29.3	44.5	28.1
	110	27.0	23.0	30.3	24.6	33.6	26.0	37.8	27.9	39.6	27.9	41.1	27.9	42.9	27.2
	115	26.3	22.4	28.8	23.4	31.6	24.5	35.5	26.5	37.2	26.5	39.1	26.5	41.2	26.1
	118	25.6	21.7	27.3	22.2	30.0	23.0	34.1	25.2	35.5	25.2	37.3	25.2	39.5	25.1
	122	24.9	21.0	26.0	21.1	28.4	21.6	32.3	23.9	33.6	23.9	35.3	23.9	37.9	23.9

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU283M3A4

Table 52: ARNU283M3A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU283M3A4/ 28.0	-9.9	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	-5	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	0	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	5	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	10	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	14	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	20	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	23	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	25	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	30	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	35	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	40	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	45	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	50	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	55	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	36.2	23.8
	60	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	35.8	23.7
	65	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	35.2	23.3
	70	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	34.8	22.9
	75	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	33.4	23.8	33.8	22.4
	80	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31.4	24.0	32.4	23.7	33	22.3
	85	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	31	23.8	31.4	22.7	32	21.4
	90	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	30.6	23.4	30.8	22.3	31.4	21.1
	95	18.4	17.1	22.4	19.8	25.2	21.0	<b>28</b>	<b>22.4</b>	30	23.3	30.6	22.1	31	20.9
	100	18.4	17.1	22.4	19.8	25.2	21.0	28	22.4	29.4	22.9	30	21.9	30.6	20.8
	105	18.4	17.1	21.2	18.8	24	20.1	26.8	21.4	27.9	21.4	28.8	21.1	29.6	20.3
	110	18	16.6	20.2	17.7	22.4	18.8	25.2	20.1	26.4	20.1	27.4	20.1	28.6	19.6
	115	17.5	16.1	19.2	16.8	21.1	17.6	23.7	19.1	24.8	19.1	26	19.1	27.4	18.8
	118	17.1	15.6	18.2	16.0	20	16.6	22.7	18.2	23.7	18.2	24.9	18.2	26.3	18.1
	122	16.6	15.1	17.3	15.2	18.9	15.6	21.5	17.2	22.4	17.2	23.5	17.2	25.3	17.2

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU363M3A4

Table 53: ARNU363M3A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU363M3A4/ 36.2	-9.9	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	-5	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	0	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	5	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	10	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	14	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	20	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	23	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	25	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	30	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	35	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	40	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	45	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	50	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	55	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.8	30.4
	60	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	46.3	30.2
	65	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	45.6	29.7
	70	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	44.9	29.2
	75	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	43.1	30.4	43.7	28.6
	80	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.6	30.7	41.9	30.2	42.7	28.4
	85	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	40.1	30.4	40.6	28.9	41.3	27.3
	90	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	39.5	29.9	39.8	28.4	40.6	27.0
	95	23.8	21.9	29	25.2	32.6	26.8	<b>36.2</b>	<b>28.6</b>	38.8	29.7	39.5	28.3	40.1	26.7
	100	23.8	21.9	29	25.2	32.6	26.8	36.2	28.6	38	29.2	38.8	28.0	39.5	26.5
	105	23.8	21.9	27.5	23.9	31.1	25.7	34.7	27.3	36.1	27.3	37.3	27.0	38.3	25.9
	110	23.2	21.2	26.1	22.7	29	23.9	32.6	25.7	34.1	25.7	35.4	25.7	37	25.1
	115	22.7	20.6	24.8	21.5	27.2	22.5	30.6	24.4	32	24.4	33.7	24.4	35.5	24.1
	118	22.1	20.0	23.5	20.4	25.8	21.2	29.4	23.2	30.6	23.2	32.1	23.2	34.1	23.1
	122	21.5	19.3	22.4	19.4	24.4	19.9	27.8	22.0	29	22.0	30.4	22.0	32.7	22.0

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).  
Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.  
The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.  
Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).  
For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU423M3A4

Table 54: ARNU423M3A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU423M3A4/ 42.0	-9.9	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	-5	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	0	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	5	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	10	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	14	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	20	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	23	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	25	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	30	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	35	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	40	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	45	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	50	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	55	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	54.3	35.2
	60	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	53.7	35.0
	65	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	52.9	34.5
	70	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	52.2	33.9
	75	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	50.1	35.2	50.8	33.2
	80	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	47.1	35.6	48.7	35.0	49.5	33.0
	85	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	46.6	35.2	47.1	33.6	48	31.7
	90	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	45.9	34.7	46.2	33.0	47.1	31.3
	95	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	45	34.5	45.9	32.8	46.6	30.9
	100	27.7	25.4	33.6	29.3	37.8	31.1	42	33.2	44.1	33.9	45	32.4	45.9	30.8
	105	27.7	25.4	31.9	27.8	36.1	29.8	40.3	31.7	41.9	31.7	43.2	31.3	44.5	30.0
	110	27	24.6	30.3	26.3	33.6	27.8	37.8	29.8	39.6	29.8	41.1	29.8	42.9	29.1
	115	26.3	23.9	28.8	25.0	31.6	26.1	35.5	28.3	37.2	28.3	39.1	28.3	41.2	27.9
	118	25.6	23.2	27.3	23.7	30	24.6	34.1	26.9	35.5	26.9	37.3	26.9	39.5	26.8
	122	24.9	22.4	26	22.5	28.4	23.1	32.3	25.5	33.6	25.5	35.3	25.5	37.9	25.5

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).  
Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.  
The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.  
Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).  
For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU483M3A4

Table 55: ARNU483M3A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU483M3A4/ 48.1	-9.9	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	-5	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	0	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	5	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	10	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	14	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	20	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	23	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	25	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	30	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	35	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	40	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	45	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	50	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	55	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	62.1	38.4
	60	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	61.5	38.2
	65	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	60.5	37.5
	70	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	59.7	36.9
	75	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	57.3	38.4	58.1	36.1
	80	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.9	38.8	55.7	38.2	56.7	35.9
	85	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	53.3	38.4	53.9	36.5	54.9	34.5
	90	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	52.5	37.7	52.9	35.9	53.9	34.1
	95	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	51.5	37.5	52.5	35.7	53.3	33.7
	100	31.7	27.6	38.5	31.9	43.3	33.9	48.1	36.1	50.5	36.9	51.5	35.3	52.5	33.5
	105	31.7	27.6	36.5	30.2	41.3	32.5	46.1	34.5	48.0	34.5	49.5	34.1	50.9	32.7
	110	30.9	26.8	34.7	28.6	38.5	30.2	43.3	32.5	45.3	32.5	47.1	32.5	49.1	31.7
	115	30.1	26.0	32.9	27.2	36.2	28.4	40.7	30.8	42.6	30.8	44.7	30.8	47.1	30.4
	118	29.3	25.2	31.3	25.8	34.3	26.7	39.1	29.3	40.6	29.3	42.7	29.3	45.3	29.2
	122	28.6	24.4	29.7	24.5	32.5	25.1	36.9	27.8	38.5	27.8	40.4	27.8	43.4	27.8

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU543M3A4

Table 56: ARNU543M3A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU543M3A4/ 54.0	-9.9	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	-5	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	0	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	5	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	10	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	14	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	20	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	23	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	25	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	30	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	35	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	40	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	45	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	50	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	55	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.8	44.7
	60	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	69.1	44.5
	65	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	68.0	43.8
	70	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	67.1	43.1
	75	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	64.4	44.7	65.3	42.1
	80	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	60.5	45.2	62.6	44.5	63.7	41.9
	85	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	59.9	44.7	60.5	42.6	61.7	40.2
	90	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	59.0	44.0	59.4	41.9	60.5	39.8
	95	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	57.8	43.8	59.0	41.6	59.9	39.3
	100	35.6	32.2	43.2	37.2	48.6	39.5	54.0	42.1	56.7	43.1	57.8	41.2	59.0	39.0
	105	35.6	32.2	41.0	35.3	46.4	37.9	51.8	40.2	53.8	40.2	55.6	39.8	57.2	38.1
	110	34.7	31.2	38.9	33.4	43.2	35.3	48.6	37.9	50.9	37.9	52.9	37.9	55.1	36.9
	115	33.8	30.3	37.0	31.7	40.6	33.1	45.7	36.0	47.8	36.0	50.2	36.0	52.9	35.4
	118	32.9	29.4	35.1	30.1	38.6	31.2	43.8	34.2	45.6	34.2	48.0	34.2	50.8	34.0
	122	32.1	28.5	33.4	28.6	36.5	29.3	41.5	32.4	43.2	32.4	45.4	32.4	48.8	32.4

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).  
Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.  
The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.  
Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).  
For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU363B8A4

Table 57: ARNU363B8A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU363B8A4/ 36.2	-9.9	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	-5	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	0	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	5	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	10	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	14	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	20	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	23	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	25	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	30	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	35	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	40	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	45	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	50	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	55	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.8	27.7
	60	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	46.3	27.6
	65	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	45.6	27.1
	70	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	44.9	26.7
	75	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	43.1	27.7	43.7	26.1
	80	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.6	28.0	41.9	27.6	42.7	26.0
	85	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	40.1	27.7	40.6	26.4	41.3	24.9
	90	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	39.5	27.3	39.8	26.0	40.6	24.6
	95	23.8	20.0	29.0	23.0	32.6	24.5	<b>36.2</b>	<b>26.1</b>	38.8	27.1	39.5	25.8	40.1	24.4
	100	23.8	20.0	29.0	23.0	32.6	24.5	36.2	26.1	38.0	26.7	38.8	25.5	39.5	24.2
	105	23.8	20.0	27.5	21.9	31.1	23.5	34.7	24.9	36.1	24.9	37.3	24.6	38.3	23.6
	110	23.2	19.4	26.1	20.7	29.0	21.9	32.6	23.5	34.1	23.5	35.4	23.5	37.0	22.9
	115	22.7	18.8	24.8	19.6	27.2	20.6	30.6	22.3	32.0	22.3	33.7	22.3	35.5	22.0
	118	22.1	18.2	23.5	18.6	25.8	19.3	29.4	21.2	30.6	21.2	32.1	21.2	34.1	21.1
	122	21.5	17.7	22.4	17.7	24.4	18.2	27.8	20.1	29.0	20.1	30.4	20.1	32.7	20.1

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU423B8A4

Table 58: ARNU423B8A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU423B8A4/ 42.0	-9.9	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	-5	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	0	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	5	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	10	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	14	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	20	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	23	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	25	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	30	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	35	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	40	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	45	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	50	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	55	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	54.3	32.2
	60	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	53.7	32.0
	65	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	52.9	31.5
	70	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	52.2	31.0
	75	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	50.1	32.2	50.8	30.3
	80	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	47.1	32.5	48.7	32.0	49.5	30.1
	85	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	46.6	32.2	47.1	30.6	48.0	28.9
	90	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	45.9	31.7	46.2	30.1	47.1	28.6
	95	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	45.0	31.5	45.9	30.0	46.6	28.3
	100	27.7	23.2	33.6	26.7	37.8	28.4	42.0	30.3	44.1	31.0	45.0	29.6	45.9	28.1
	105	27.7	23.2	31.9	25.4	36.1	27.2	40.3	28.9	41.9	28.9	43.2	28.6	44.5	27.4
	110	27.0	22.5	30.3	24.0	33.6	25.4	37.8	27.2	39.6	27.2	41.1	27.2	42.9	26.6
	115	26.3	21.8	28.8	22.8	31.6	23.8	35.5	25.9	37.2	25.9	39.1	25.9	41.2	25.5
	118	25.6	21.1	27.3	21.6	30.0	22.4	34.1	24.6	35.5	24.6	37.3	24.6	39.5	24.5
	122	24.9	20.5	26.0	20.5	28.4	21.1	32.3	23.3	33.6	23.3	35.3	23.3	37.9	23.3

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).  
Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range. The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU483B8A4

Table 59: ARNU483B8A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU483B8A4/ 48.1	-9.9	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	-5	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	0	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	5	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	10	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	14	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	20	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	23	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	25	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	30	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	35	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	40	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	45	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	50	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	55	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	62.1	36.8
	60	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	61.5	36.6
	65	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	60.5	36.1
	70	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	59.7	35.5
	75	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	57.3	36.8	58.1	34.7
	80	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.9	37.2	55.7	36.6	56.7	34.5
	85	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	53.3	36.8	53.9	35.1	54.9	33.1
	90	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	52.5	36.3	52.9	34.5	53.9	32.8
	95	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	51.5	36.1	52.5	34.3	53.3	32.4
	100	31.7	26.5	38.5	30.6	43.3	32.6	48.1	34.7	50.5	35.5	51.5	33.9	52.5	32.2
	105	31.7	26.5	36.5	29.0	41.3	31.2	46.1	33.1	48.0	33.1	49.5	32.8	50.9	31.4
	110	30.9	25.7	34.7	27.5	38.5	29.0	43.3	31.2	45.3	31.2	47.1	31.2	49.1	30.4
	115	30.1	25.0	32.9	26.1	36.2	27.3	40.7	29.6	42.6	29.6	44.7	29.6	47.1	29.2
	118	29.3	24.2	31.3	24.8	34.3	25.7	39.1	28.1	40.6	28.1	42.7	28.1	45.3	28.0
	122	28.6	23.5	29.7	23.5	32.5	24.2	36.9	26.7	38.5	26.7	40.4	26.7	43.4	26.7

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU763B8A4

Table 60: ARNU763B8A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU763B8A4/ 76.4	-9.9	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	-5	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	0	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	5	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	10	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	14	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	20	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	23	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	25	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	30	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	35	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	40	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	45	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	50	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	55	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	98.7	56.8
	60	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	97.7	56.5
	65	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	96.1	55.6
	70	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	94.9	54.7
	75	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	91.0	56.8	92.3	53.5
	80	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	85.6	57.4	88.5	56.5	90.1	53.2
	85	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	84.7	56.8	85.6	54.1	87.2	51.1
	90	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	83.4	55.9	84.0	53.2	85.6	50.5
	95	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	81.8	55.6	83.4	52.9	84.7	49.9
	100	50.3	40.9	61.1	47.2	68.8	50.2	76.4	53.5	80.2	54.7	81.8	52.3	83.4	49.6
	105	50.3	40.9	57.9	44.8	65.6	48.1	73.2	51.1	76.2	51.1	78.6	50.5	80.9	48.4
	110	49.0	39.7	55.1	42.4	61.1	44.8	68.8	48.1	72.0	48.1	74.8	48.1	78.0	46.9
	115	47.8	38.5	52.3	40.2	57.5	42.1	64.6	45.7	67.6	45.7	71.1	45.7	74.9	45.0
	118	46.6	37.3	49.7	38.2	54.5	39.6	62.0	43.4	64.6	43.4	67.8	43.4	71.9	43.2
	122	45.4	36.2	47.2	36.3	51.6	37.2	58.7	41.2	61.1	41.2	64.2	41.2	69.0	41.2

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Cooling Capacity Tables

### ARNU963B8A4



Table 61: ARNU963B8A4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU963B8A4/ 95.9	-9.9	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	-5	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	0	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	5	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	10	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	14	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	20	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	23	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	25	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	30	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	35	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	40	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	45	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	50	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	55	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	123.9	71.3
	60	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	122.7	70.9
	65	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	120.7	69.8
	70	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	119.1	68.6
	75	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	114.3	71.3	115.9	67.1
	80	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	107.5	72.0	111.1	70.9	113.1	66.8
	85	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	106.3	71.3	107.5	67.9	109.5	64.1
	90	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	104.7	70.1	105.5	66.8	107.5	63.4
	95	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	102.7	69.8	104.7	66.4	106.3	62.6
	100	63.1	51.3	76.7	59.2	86.3	63.0	95.9	67.1	100.7	68.6	102.7	65.6	104.7	62.2
	105	63.1	51.3	72.7	56.2	82.3	60.3	91.9	64.1	95.6	64.1	98.7	63.4	101.5	60.7
	110	61.5	49.8	69.1	53.2	76.7	56.2	86.3	60.3	90.3	60.3	93.9	60.3	97.9	58.8
	115	60.0	48.3	65.7	50.5	72.1	52.8	81.1	57.3	84.9	57.3	89.2	57.3	94.0	56.5
	118	58.5	46.9	62.3	47.9	68.5	49.7	77.9	54.4	81.0	54.4	85.2	54.4	90.2	54.2
	122	57.0	45.4	59.3	45.5	64.7	46.7	73.7	51.7	76.7	51.7	80.6	51.7	86.6	51.7

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

Table 62: ARNU073BHA4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU073BHA4/ 7.5	-21.6	-22.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	-17.1	-17.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	-12.6	-13	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3
	-7	-7.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4
	-4	-4.4	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6
	0	-0.4	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8
	5	4.5	6.6	6.6	6.5	6.5	6.5	6.5	6.5	6.5
	10	9	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.8
	15	14	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.1
	20	19	7.7	7.7	7.7	7.7	7.6	7.6	7.4	7.4
	25	23	8.1	8.1	8.1	8.1	8.1	7.9	7.8	7.4
	30	28	8.3	8.3	8.3	8.3	8.3	8.1	7.8	7.4
	35	32	8.5	8.5	8.5	8.5	8.4	8.3	7.8	7.4
	40	36	8.8	8.8	8.8	8.8	8.5	8.3	7.8	7.4
	45	41	9.2	9.2	9.2	8.9	8.5	8.3	7.8	7.4
	47	43	9.5	9.4	9.4	8.9	8.5	8.3	7.8	7.4
	50	46	10.2	9.8	9.4	8.9	8.5	8.3	7.8	7.4
	55	51	10.4	9.9	9.4	8.9	8.5	8.3	7.8	7.4
	60	56	10.4	9.9	9.4	8.9	8.5	8.3	7.8	7.4

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU093BHA4

Table 63: ARNU093BHA4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU093BHA4/ 9.5	-21.6	-22.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
	-17.1	-17.5	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.1
	-12.6	-13	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8
	-7	-7.6	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0
	-4	-4.4	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.2
	0	-0.4	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.4
	5	4.5	8.5	8.4	8.3	8.3	8.3	8.3	8.3	8.3
	10	9	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.7
	15	14	9.4	9.4	9.4	9.4	9.4	9.4	9.3	9.2
	20	19	9.9	9.9	9.9	9.9	9.7	9.7	9.5	9.4
	25	23	10.4	10.4	10.4	10.4	10.4	10.1	10.0	9.5
	30	28	10.6	10.6	10.6	10.6	10.6	10.4	10.0	9.5
	35	32	10.9	10.9	10.9	10.9	10.8	10.6	10.0	9.5
	40	36	11.3	11.3	11.3	11.3	10.9	10.6	10.0	9.5
	45	41	11.8	11.8	11.8	11.5	10.9	10.6	10.0	9.5
	47	43	12.2	12.1	12.0	11.5	<b>10.9</b>	10.6	10.0	9.5
	50	46	13.1	12.5	12.0	11.5	10.9	10.6	10.0	9.5
	55	51	13.4	12.6	12.0	11.5	10.9	10.6	10.0	9.5
	60	56	13.4	12.6	12.0	11.5	10.9	10.6	10.0	9.5

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU123BHA4

Table 64: ARNU123BHA4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU123BHA4/ 12.3	-21.6	-22.0	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8
	-17.1	-17.5	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.6
	-12.6	-13	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.5
	-7	-7.6	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.7
	-4	-4.4	9.1	9.1	9.1	9.1	9.0	9.0	9.0	9.0
	0	-0.4	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.3
	5	4.5	10.6	10.5	10.3	10.3	10.3	10.3	10.3	10.3
	10	9	11.0	11.0	11.0	10.9	10.9	10.9	10.9	10.9
	15	14	11.7	11.7	11.7	11.7	11.7	11.7	11.6	11.4
	20	19	12.4	12.4	12.4	12.4	12.1	12.1	11.9	11.8
	25	23	12.9	12.9	12.9	12.9	12.9	12.7	12.5	11.9
	30	28	13.2	13.2	13.2	13.2	13.2	12.9	12.5	11.9
	35	32	13.6	13.6	13.6	13.6	13.5	13.2	12.5	11.9
	40	36	14.1	14.1	14.1	14.1	13.6	13.2	12.5	11.9
	45	41	14.7	14.7	14.7	14.3	13.6	13.2	12.5	11.9
	47	43	15.2	15.1	15.0	14.3	<b>13.6</b>	13.2	12.5	11.9
	50	46	16.3	15.6	15.0	14.3	13.6	13.2	12.5	11.9
	55	51	16.7	15.8	15.0	14.3	13.6	13.2	12.5	11.9
	60	56	16.7	15.8	15.0	14.3	13.6	13.2	12.5	11.9

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU153BHA4

Table 65: ARNU153BHA4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU153BHA4/ 15.4	-21.6	-22.0	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.6
	-17.1	-17.5	9.7	9.7	9.7	9.7	9.6	9.6	9.6	9.6
	-12.6	-13	10.8	10.8	10.8	10.8	10.6	10.6	10.6	10.6
	-7	-7.6	11.1	11.1	11.1	11.1	10.9	10.9	10.9	10.9
	-4	-4.4	11.5	11.5	11.5	11.5	11.3	11.3	11.3	11.3
	0	-0.4	11.8	11.8	11.8	11.8	11.8	11.6	11.6	11.6
	5	4.5	13.3	13.2	13.0	13.0	13.0	13.0	13.0	13.0
	10	9	13.9	13.9	13.9	13.7	13.7	13.7	13.7	13.7
	15	14	14.7	14.7	14.7	14.7	14.7	14.7	14.5	14.4
	20	19	15.6	15.6	15.6	15.6	15.2	15.2	15.0	14.8
	25	23	16.3	16.3	16.3	16.3	16.3	15.9	15.7	15.0
	30	28	16.6	16.6	16.6	16.6	16.6	16.3	15.7	15.0
	35	32	17.1	17.1	17.1	17.1	16.9	16.6	15.7	15.0
	40	36	17.8	17.8	17.8	17.8	17.1	16.6	15.7	15.0
	45	41	18.5	18.5	18.5	18.0	17.1	16.6	15.7	15.0
	47	43	19.2	19.0	18.8	18.0	17.1	16.6	15.7	15.0
	50	46	20.5	19.7	18.8	18.0	17.1	16.6	15.7	15.0
	55	51	21.0	19.8	18.8	18.0	17.1	16.6	15.7	15.0
	60	56	21.0	19.8	18.8	18.0	17.1	16.6	15.7	15.0

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU183BHA4

Table 66: ARNU183BHA4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU183BHA4/ 19.1	-21.6	-22.0	10.9	10.9	10.9	10.9	10.8	10.8	10.8	10.8
	-17.1	-17.5	12.2	12.2	12.2	12.2	12.1	12.1	12.1	12.1
	-12.6	-13	13.6	13.6	13.6	13.6	13.4	13.4	13.4	13.4
	-7	-7.6	14.0	14.0	14.0	14.0	13.8	13.8	13.8	13.8
	-4	-4.4	14.4	14.4	14.4	14.4	14.2	14.2	14.2	14.2
	0	-0.4	14.8	14.8	14.8	14.8	14.8	14.6	14.6	14.6
	5	4.5	16.8	16.6	16.3	16.3	16.3	16.3	16.3	16.3
	10	9	17.4	17.4	17.4	17.2	17.2	17.2	17.2	17.2
	15	14	18.5	18.5	18.5	18.5	18.5	18.5	18.3	18.1
	20	19	19.6	19.6	19.6	19.6	19.1	19.1	18.8	18.6
	25	23	20.4	20.4	20.4	20.4	20.4	20.0	19.8	18.8
	30	28	20.9	20.9	20.9	20.9	20.9	20.4	19.8	18.8
	35	32	21.5	21.5	21.5	21.5	21.3	20.9	19.8	18.8
	40	36	22.4	22.4	22.4	22.4	21.5	20.9	19.8	18.8
	45	41	23.2	23.2	23.2	22.6	21.5	20.9	19.8	18.8
	47	43	24.1	23.9	23.7	22.6	21.5	20.9	19.8	18.8
	50	46	25.8	24.7	23.7	22.6	21.5	20.9	19.8	18.8
	55	51	26.3	24.9	23.7	22.6	21.5	20.9	19.8	18.8
	60	56	26.3	24.9	23.7	22.6	21.5	20.9	19.8	18.8

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU243BHA4

Table 67: ARNU243BHA4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU243BHA4/ 24.3	-21.6	-22.0	13.9	13.9	13.9	13.9	13.7	13.7	13.7	13.7
	-17.1	-17.5	15.5	15.5	15.5	15.5	15.3	15.3	15.3	15.3
	-12.6	-13	17.2	17.2	17.2	17.2	17.0	17.0	17.0	17.0
	-7	-7.6	17.8	17.8	17.8	17.8	17.5	17.5	17.5	17.5
	-4	-4.4	18.3	18.3	18.3	18.3	18.0	18.0	18.0	18.0
	0	-0.4	18.8	18.8	18.8	18.8	18.8	18.6	18.6	18.6
	5	4.5	21.3	21.0	20.8	20.8	20.8	20.8	20.8	20.8
	10	9	22.1	22.1	22.1	21.8	21.8	21.8	21.8	21.8
	15	14	23.5	23.5	23.5	23.5	23.5	23.5	23.2	22.9
	20	19	24.8	24.8	24.8	24.8	24.3	24.3	23.9	23.6
	25	23	25.9	25.9	25.9	25.9	25.9	25.4	25.1	23.9
	30	28	26.5	26.5	26.5	26.5	26.5	25.9	25.1	23.9
	35	32	27.3	27.3	27.3	27.3	27.0	26.5	25.1	23.9
	40	36	28.4	28.4	28.4	28.4	27.3	26.5	25.1	23.9
	45	41	29.5	29.5	29.5	28.7	27.3	26.5	25.1	23.9
	47	43	30.6	30.3	30.0	28.7	27.3	26.5	25.1	23.9
	50	46	32.8	31.4	30.0	28.7	27.3	26.5	25.1	23.9
	55	51	33.4	31.7	30.0	28.7	27.3	26.5	25.1	23.9
	60	56	33.4	31.7	30.0	28.7	27.3	26.5	25.1	23.9

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

Table 68: ARNU073M2A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU073M2A4/ 7.5	-21.6	-22.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	-17.1	-17.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	-12.6	-13	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3
	-7	-7.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4
	-4	-4.4	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6
	0	-0.4	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8
	5	4.5	6.6	6.6	6.5	6.5	6.5	6.5	6.5	6.5
	10	9	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.8
	15	14	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.1
	20	19	7.7	7.7	7.7	7.7	7.6	7.6	7.4	7.4
	25	23	8.1	8.1	8.1	8.1	8.1	7.9	7.8	7.4
	30	28	8.3	8.3	8.3	8.3	8.3	8.1	7.8	7.4
	35	32	8.5	8.5	8.5	8.5	8.4	8.3	7.8	7.4
	40	36	8.8	8.8	8.8	8.8	8.5	8.3	7.8	7.4
	45	41	9.2	9.2	9.2	8.9	8.5	8.3	7.8	7.4
	47	43	9.5	9.4	9.4	8.9	8.5	8.3	7.8	7.4
	50	46	10.2	9.8	9.4	8.9	8.5	8.3	7.8	7.4
	55	51	10.4	9.9	9.4	8.9	8.5	8.3	7.8	7.4
	60	56	10.4	9.9	9.4	8.9	8.5	8.3	7.8	7.4

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU093M2A4

Table 69: ARNU093M2A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU093M2A4/ 9.6	-21.6	-22.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
	-17.1	-17.5	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.1
	-12.6	-13	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8
	-7	-7.6	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0
	-4	-4.4	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.2
	0	-0.4	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.4
	5	4.5	8.5	8.4	8.3	8.3	8.3	8.3	8.3	8.3
	10	9	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.7
	15	14	9.4	9.4	9.4	9.4	9.4	9.4	9.3	9.2
	20	19	9.9	9.9	9.9	9.9	9.7	9.7	9.5	9.4
	25	23	10.4	10.4	10.4	10.4	10.4	10.1	10.0	9.5
	30	28	10.6	10.6	10.6	10.6	10.6	10.4	10.0	9.5
	35	32	10.9	10.9	10.9	10.9	10.8	10.6	10.0	9.5
	40	36	11.3	11.3	11.3	11.3	10.9	10.6	10.0	9.5
	45	41	11.8	11.8	11.8	11.5	10.9	10.6	10.0	9.5
	47	43	12.2	12.1	12.0	11.5	<b>10.9</b>	10.6	10.0	9.5
	50	46	13.1	12.5	12.0	11.5	10.9	10.6	10.0	9.5
	55	51	13.4	12.6	12.0	11.5	10.9	10.6	10.0	9.5
	60	56	13.4	12.6	12.0	11.5	10.9	10.6	10.0	9.5

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

Table 70: ARNU123M2A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU123M2A4/ 12.3	-21.6	-22.0	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8
	-17.1	-17.5	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.6
	-12.6	-13	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.5
	-7	-7.6	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.7
	-4	-4.4	9.1	9.1	9.1	9.1	9.0	9.0	9.0	9.0
	0	-0.4	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.3
	5	4.5	10.6	10.5	10.3	10.3	10.3	10.3	10.3	10.3
	10	9	11.0	11.0	11.0	10.9	10.9	10.9	10.9	10.9
	15	14	11.7	11.7	11.7	11.7	11.7	11.7	11.6	11.4
	20	19	12.4	12.4	12.4	12.4	12.1	12.1	11.9	11.8
	25	23	12.9	12.9	12.9	12.9	12.9	12.7	12.5	11.9
	30	28	13.2	13.2	13.2	13.2	13.2	12.9	12.5	11.9
	35	32	13.6	13.6	13.6	13.6	13.5	13.2	12.5	11.9
	40	36	14.1	14.1	14.1	14.1	13.6	13.2	12.5	11.9
	45	41	14.7	14.7	14.7	14.3	13.6	13.2	12.5	11.9
	47	43	15.2	15.1	15.0	14.3	<b>13.6</b>	13.2	12.5	11.9
	50	46	16.3	15.6	15.0	14.3	13.6	13.2	12.5	11.9
	55	51	16.7	15.8	15.0	14.3	13.6	13.2	12.5	11.9
	60	56	16.7	15.8	15.0	14.3	13.6	13.2	12.5	11.9

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU153M2A4

Table 71: ARNU153M2A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU153M2A4/ 15.4	-21.6	-22.0	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.6
	-17.1	-17.5	9.7	9.7	9.7	9.7	9.6	9.6	9.6	9.6
	-12.6	-13	10.8	10.8	10.8	10.8	10.6	10.6	10.6	10.6
	-7	-7.6	11.1	11.1	11.1	11.1	10.9	10.9	10.9	10.9
	-4	-4.4	11.5	11.5	11.5	11.5	11.3	11.3	11.3	11.3
	0	-0.4	11.8	11.8	11.8	11.8	11.8	11.6	11.6	11.6
	5	4.5	13.3	13.2	13.0	13.0	13.0	13.0	13.0	13.0
	10	9	13.9	13.9	13.9	13.7	13.7	13.7	13.7	13.7
	15	14	14.7	14.7	14.7	14.7	14.7	14.7	14.5	14.4
	20	19	15.6	15.6	15.6	15.6	15.2	15.2	15.0	14.8
	25	23	16.3	16.3	16.3	16.3	16.3	15.9	15.7	15.0
	30	28	16.6	16.6	16.6	16.6	16.6	16.3	15.7	15.0
	35	32	17.1	17.1	17.1	17.1	16.9	16.6	15.7	15.0
	40	36	17.8	17.8	17.8	17.8	17.1	16.6	15.7	15.0
	45	41	18.5	18.5	18.5	18.0	17.1	16.6	15.7	15.0
	47	43	19.2	19.0	18.8	18.0	17.1	16.6	15.7	15.0
	50	46	20.5	19.7	18.8	18.0	17.1	16.6	15.7	15.0
	55	51	21.0	19.8	18.8	18.0	17.1	16.6	15.7	15.0
	60	56	21.0	19.8	18.8	18.0	17.1	16.6	15.7	15.0

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

Table 72: ARNU183M2A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU183M2A4/ 19.1	-21.6	-22.0	10.9	10.9	10.9	10.9	10.8	10.8	10.8	10.8
	-17.1	-17.5	12.2	12.2	12.2	12.2	12.1	12.1	12.1	12.1
	-12.6	-13	13.6	13.6	13.6	13.6	13.4	13.4	13.4	13.4
	-7	-7.6	14.0	14.0	14.0	14.0	13.8	13.8	13.8	13.8
	-4	-4.4	14.4	14.4	14.4	14.4	14.2	14.2	14.2	14.2
	0	-0.4	14.8	14.8	14.8	14.8	14.8	14.6	14.6	14.6
	5	4.5	16.8	16.6	16.3	16.3	16.3	16.3	16.3	16.3
	10	9	17.4	17.4	17.4	17.2	17.2	17.2	17.2	17.2
	15	14	18.5	18.5	18.5	18.5	18.5	18.5	18.3	18.1
	20	19	19.6	19.6	19.6	19.6	19.1	19.1	18.8	18.6
	25	23	20.4	20.4	20.4	20.4	20.4	20.0	19.8	18.8
	30	28	20.9	20.9	20.9	20.9	20.9	20.4	19.8	18.8
	35	32	21.5	21.5	21.5	21.5	21.3	20.9	19.8	18.8
	40	36	22.4	22.4	22.4	22.4	21.5	20.9	19.8	18.8
	45	41	23.2	23.2	23.2	22.6	21.5	20.9	19.8	18.8
	47	43	24.1	23.9	23.7	22.6	<b>21.5</b>	20.9	19.8	18.8
	50	46	25.8	24.7	23.7	22.6	21.5	20.9	19.8	18.8
	55	51	26.3	24.9	23.7	22.6	21.5	20.9	19.8	18.8
	60	56	26.3	24.9	23.7	22.6	21.5	20.9	19.8	18.8

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU243M2A4

Table 73: ARNU243M2A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU243M2A4/ 24.2	-21.6	-22.0	13.9	13.9	13.9	13.9	13.7	13.7	13.7	13.7
	-17.1	-17.5	15.5	15.5	15.5	15.5	15.3	15.3	15.3	15.3
	-12.6	-13	17.2	17.2	17.2	17.2	17.0	17.0	17.0	17.0
	-7	-7.6	17.8	17.8	17.8	17.8	17.5	17.5	17.5	17.5
	-4	-4.4	18.3	18.3	18.3	18.3	18.0	18.0	18.0	18.0
	0	-0.4	18.8	18.8	18.8	18.8	18.8	18.6	18.6	18.6
	5	4.5	21.3	21.0	20.8	20.8	20.8	20.8	20.8	20.8
	10	9	22.1	22.1	22.1	21.8	21.8	21.8	21.8	21.8
	15	14	23.5	23.5	23.5	23.5	23.5	23.5	23.2	22.9
	20	19	24.8	24.8	24.8	24.8	24.3	24.3	23.9	23.6
	25	23	25.9	25.9	25.9	25.9	25.9	25.4	25.1	23.9
	30	28	26.5	26.5	26.5	26.5	26.5	25.9	25.1	23.9
	35	32	27.3	27.3	27.3	27.3	27.0	26.5	25.1	23.9
	40	36	28.4	28.4	28.4	28.4	27.3	26.5	25.1	23.9
	45	41	29.5	29.5	29.5	28.7	27.3	26.5	25.1	23.9
	47	43	30.6	30.3	30.0	28.7	27.3	26.5	25.1	23.9
	50	46	32.8	31.4	30.0	28.7	27.3	26.5	25.1	23.9
	55	51	33.4	31.7	30.0	28.7	27.3	26.5	25.1	23.9
	60	56	33.4	31.7	30.0	28.7	27.3	26.5	25.1	23.9

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU283M2A4

Table 74: ARNU283M2A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU283M2A4/ 28.0	-21.6	-22.0	16.0	16.0	16.0	16.0	15.8	15.8	15.8	15.8
	-17.1	-17.5	17.9	17.9	17.9	17.9	17.7	17.7	17.7	17.7
	-12.6	-13	19.9	19.9	19.9	19.9	19.6	19.6	19.6	19.6
	-7	-7.6	20.5	20.5	20.5	20.5	20.2	20.2	20.2	20.2
	-4	-4.4	21.1	21.1	21.1	21.1	20.8	20.8	20.8	20.8
	0	-0.4	21.7	21.7	21.7	21.7	21.7	21.4	21.4	21.4
	5	4.5	24.6	24.3	23.9	23.9	23.9	23.9	23.9	23.9
	10	9	25.5	25.5	25.5	25.2	25.2	25.2	25.2	25.2
	15	14	27.1	27.1	27.1	27.1	27.1	27.1	26.8	26.5
	20	19	28.7	28.7	28.7	28.7	28.0	28.0	27.6	27.3
	25	23	29.9	29.9	29.9	29.9	29.9	29.3	29.0	27.6
	30	28	30.6	30.6	30.6	30.6	30.6	29.9	29.0	27.6
	35	32	31.5	31.5	31.5	31.5	31.2	30.6	29.0	27.6
	40	36	32.8	32.8	32.8	32.8	31.5	30.6	29.0	27.6
	45	41	34.0	34.0	34.0	33.1	31.5	30.6	29.0	27.6
	47	43	35.3	35.0	34.7	33.1	<b>31.5</b>	30.6	29.0	27.6
	50	46	37.8	36.2	34.7	33.1	31.5	30.6	29.0	27.6
	55	51	38.6	36.5	34.7	33.1	31.5	30.6	29.0	27.6
	60	56	38.6	36.5	34.7	33.1	31.5	30.6	29.0	27.6

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables ARNU363M2A4

Table 75: ARNU363M2A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU363M2A4/ 36.2	-21.6	-22.0	20.6	20.6	20.6	20.6	20.3	20.3	20.3	20.3
	-17.1	-17.5	23.1	23.1	23.1	23.1	22.8	22.8	22.8	22.8
	-12.6	-13	25.6	25.6	25.6	25.6	25.2	25.2	25.2	25.2
	-7	-7.6	26.4	26.4	26.4	26.4	26.0	26.0	26.0	26.0
	-4	-4.4	27.2	27.2	27.2	27.2	26.8	26.8	26.8	26.8
	0	-0.4	28.0	28.0	28.0	28.0	28.0	27.6	27.6	27.6
	5	4.5	31.7	31.3	30.9	30.9	30.9	30.9	30.9	30.9
	10	9	32.9	32.9	32.9	32.5	32.5	32.5	32.5	32.5
	15	14	34.9	34.9	34.9	34.9	34.9	34.9	34.5	34.1
	20	19	37.0	37.0	37.0	37.0	36.1	36.1	35.5	35.1
	25	23	38.6	38.6	38.6	38.6	38.6	37.8	37.4	35.5
	30	28	39.4	39.4	39.4	39.4	39.4	38.6	37.4	35.5
	35	32	40.6	40.6	40.6	40.6	40.2	39.4	37.4	35.5
	40	36	42.2	42.2	42.2	42.2	40.6	39.4	37.4	35.5
	45	41	43.9	43.9	43.9	42.6	40.6	39.4	37.4	35.5
	47	43	45.5	45.1	44.7	42.6	<b>40.6</b>	39.4	37.4	35.5
	50	46	48.7	46.7	44.7	42.6	40.6	39.4	37.4	35.5
	55	51	49.7	47.1	44.7	42.6	40.6	39.4	37.4	35.5
	60	56	49.7	47.1	44.7	42.6	40.6	39.4	37.4	35.5

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://ghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

Table 76: ARNU423M2A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU423M2A4/ 42.0	-21.6	-22.0	23.8	23.8	23.8	23.8	23.5	23.5	23.5	23.5
	-17.1	-17.5	26.7	26.7	26.7	26.7	26.3	26.3	26.3	26.3
	-12.6	-13	29.6	29.6	29.6	29.6	29.2	29.2	29.2	29.2
	-7	-7.6	30.6	30.6	30.6	30.6	30.1	30.1	30.1	30.1
	-4	-4.4	31.5	31.5	31.5	31.5	31.0	31.0	31.0	31.0
	0	-0.4	32.4	32.4	32.4	32.4	32.4	32.0	32.0	32.0
	5	4.5	36.7	36.2	35.7	35.7	35.7	35.7	35.7	35.7
	10	9	38.1	38.1	38.1	37.6	37.6	37.6	37.6	37.6
	15	14	40.4	40.4	40.4	40.4	40.4	40.4	40.0	39.5
	20	19	42.8	42.8	42.8	42.8	41.8	41.8	41.1	40.7
	25	23	44.7	44.7	44.7	44.7	44.7	43.7	43.2	41.1
	30	28	45.6	45.6	45.6	45.6	45.6	44.7	43.2	41.1
	35	32	47.0	47.0	47.0	47.0	46.5	45.6	43.2	41.1
	40	36	48.9	48.9	48.9	48.9	47.0	45.6	43.2	41.1
	45	41	50.8	50.8	50.8	49.4	47.0	45.6	43.2	41.1
	47	43	52.6	52.2	51.7	49.4	47.0	45.6	43.2	41.1
	50	46	56.4	54.1	51.7	49.4	47.0	45.6	43.2	41.1
	55	51	57.6	54.5	51.7	49.4	47.0	45.6	43.2	41.1
	60	56	57.6	54.5	51.7	49.4	47.0	45.6	43.2	41.1

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU283M3A4

Table 77: ARNU283M3A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU283M3A4/ 28.0	-21.6	-22.0	16.0	16.0	16.0	16.0	15.8	15.8	15.8	15.8
	-17.1	-17.5	17.9	17.9	17.9	17.9	17.7	17.7	17.7	17.7
	-12.6	-13	19.9	19.9	19.9	19.9	19.6	19.6	19.6	19.6
	-7	-7.6	20.5	20.5	20.5	20.5	20.2	20.2	20.2	20.2
	-4	-4.4	21.1	21.1	21.1	21.1	20.8	20.8	20.8	20.8
	0	-0.4	21.7	21.7	21.7	21.7	21.7	21.4	21.4	21.4
	5	4.5	24.6	24.3	23.9	23.9	23.9	23.9	23.9	23.9
	10	9	25.5	25.5	25.5	25.2	25.2	25.2	25.2	25.2
	15	14	27.1	27.1	27.1	27.1	27.1	27.1	26.8	26.5
	20	19	28.7	28.7	28.7	28.7	28.0	28.0	27.6	27.3
	25	23	29.9	29.9	29.9	29.9	29.9	29.3	29.0	27.6
	30	28	30.6	30.6	30.6	30.6	30.6	29.9	29.0	27.6
	35	32	31.5	31.5	31.5	31.5	31.2	30.6	29.0	27.6
	40	36	32.8	32.8	32.8	32.8	31.5	30.6	29.0	27.6
	45	41	34.0	34.0	34.0	33.1	31.5	30.6	29.0	27.6
	47	43	35.3	35.0	34.7	33.1	31.5	30.6	29.0	27.6
	50	46	37.8	36.2	34.7	33.1	31.5	30.6	29.0	27.6
	55	51	38.6	36.5	34.7	33.1	31.5	30.6	29.0	27.6
	60	56	38.6	36.5	34.7	33.1	31.5	30.6	29.0	27.6

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU363M3A4

Table 78: ARNU363M3A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU363M3A4/ 36.2	-21.6	-22.0	20.6	20.6	20.6	20.6	20.3	20.3	20.3	20.3
	-17.1	-17.5	23.1	23.1	23.1	23.1	22.8	22.8	22.8	22.8
	-12.6	-13	25.6	25.6	25.6	25.6	25.2	25.2	25.2	25.2
	-7	-7.6	26.4	26.4	26.4	26.4	26.0	26.0	26.0	26.0
	-4	-4.4	27.2	27.2	27.2	27.2	26.8	26.8	26.8	26.8
	0	-0.4	28.0	28.0	28.0	28.0	28.0	27.6	27.6	27.6
	5	4.5	31.7	31.3	30.9	30.9	30.9	30.9	30.9	30.9
	10	9	32.9	32.9	32.9	32.5	32.5	32.5	32.5	32.5
	15	14	34.9	34.9	34.9	34.9	34.9	34.9	34.5	34.1
	20	19	37.0	37.0	37.0	37.0	36.1	36.1	35.5	35.1
	25	23	38.6	38.6	38.6	38.6	38.6	37.8	37.4	35.5
	30	28	39.4	39.4	39.4	39.4	39.4	38.6	37.4	35.5
	35	32	40.6	40.6	40.6	40.6	40.2	39.4	37.4	35.5
	40	36	42.2	42.2	42.2	42.2	40.6	39.4	37.4	35.5
	45	41	43.9	43.9	43.9	42.6	40.6	39.4	37.4	35.5
	47	43	45.5	45.1	44.7	42.6	<b>40.6</b>	39.4	37.4	35.5
	50	46	48.7	46.7	44.7	42.6	40.6	39.4	37.4	35.5
	55	51	49.7	47.1	44.7	42.6	40.6	39.4	37.4	35.5
	60	56	49.7	47.1	44.7	42.6	40.6	39.4	37.4	35.5

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU423M3A4

Table 79: ARNU423M3A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU423M3A4/ 42.0	-21.6	-22.0	23.8	23.8	23.8	23.8	23.5	23.5	23.5	23.5
	-17.1	-17.5	26.7	26.7	26.7	26.7	26.3	26.3	26.3	26.3
	-12.6	-13	29.6	29.6	29.6	29.6	29.2	29.2	29.2	29.2
	-7	-7.6	30.6	30.6	30.6	30.6	30.1	30.1	30.1	30.1
	-4	-4.4	31.5	31.5	31.5	31.5	31.0	31.0	31.0	31.0
	0	-0.4	32.4	32.4	32.4	32.4	32.4	32.0	32.0	32.0
	5	4.5	36.7	36.2	35.7	35.7	35.7	35.7	35.7	35.7
	10	9	38.1	38.1	38.1	37.6	37.6	37.6	37.6	37.6
	15	14	40.4	40.4	40.4	40.4	40.4	40.4	40.0	39.5
	20	19	42.8	42.8	42.8	42.8	41.8	41.8	41.1	40.7
	25	23	44.7	44.7	44.7	44.7	44.7	43.7	43.2	41.1
	30	28	45.6	45.6	45.6	45.6	45.6	44.7	43.2	41.1
	35	32	47.0	47.0	47.0	47.0	46.5	45.6	43.2	41.1
	40	36	48.9	48.9	48.9	48.9	47.0	45.6	43.2	41.1
	45	41	50.8	50.8	50.8	49.4	47.0	45.6	43.2	41.1
	47	43	52.6	52.2	51.7	49.4	<b>47.0</b>	45.6	43.2	41.1
	50	46	56.4	54.1	51.7	49.4	47.0	45.6	43.2	41.1
	55	51	57.6	54.5	51.7	49.4	47.0	45.6	43.2	41.1
	60	56	57.6	54.5	51.7	49.4	47.0	45.6	43.2	41.1

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU483M3A4

Table 80: ARNU483M3A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU483M3A4/ 48.1	-21.6	-22.0	27.5	27.5	27.5	27.5	27.1	27.1	27.1	27.1
	-17.1	-17.5	30.8	30.8	30.8	30.8	30.4	30.4	30.4	30.4
	-12.6	-13	34.1	34.1	34.1	34.1	33.7	33.7	33.7	33.7
	-7	-7.6	35.2	35.2	35.2	35.2	34.7	34.7	34.7	34.7
	-4	-4.4	36.3	36.3	36.3	36.3	35.8	35.8	35.8	35.8
	0	-0.4	37.4	37.4	37.4	37.4	37.4	36.9	36.9	36.9
	5	4.5	42.3	41.7	41.2	41.2	41.2	41.2	41.2	41.2
	10	9	43.9	43.9	43.9	43.4	43.4	43.4	43.4	43.4
	15	14	46.6	46.6	46.6	46.6	46.6	46.6	46.1	45.5
	20	19	49.3	49.3	49.3	49.3	48.2	48.2	47.4	46.9
	25	23	51.5	51.5	51.5	51.5	51.5	50.4	49.9	47.4
	30	28	52.6	52.6	52.6	52.6	52.6	51.5	49.9	47.4
	35	32	54.2	54.2	54.2	54.2	53.7	52.6	49.9	47.4
	40	36	56.4	56.4	56.4	56.4	54.2	52.6	49.9	47.4
	45	41	58.5	58.5	58.5	56.9	54.2	52.6	49.9	47.4
	47	43	60.7	60.2	59.6	56.9	<b>54.2</b>	52.6	49.9	47.4
	50	46	65.0	62.3	59.6	56.9	54.2	52.6	49.9	47.4
	55	51	66.4	62.9	59.6	56.9	54.2	52.6	49.9	47.4
	60	56	66.4	62.9	59.6	56.9	54.2	52.6	49.9	47.4

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU543M3A4

Table 81: ARNU543M3A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor air temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU543M3A4/ 54.0	-21.6	-22.0	31.1	31.1	31.1	31.1	30.7	30.7	30.7	30.7
	-17.1	-17.5	34.9	34.9	34.9	34.9	34.4	34.4	34.4	34.4
	-12.6	-13	38.7	38.7	38.7	38.7	38.1	38.1	38.1	38.1
	-7	-7.6	39.9	39.9	39.9	39.9	39.3	39.3	39.3	39.3
	-4	-4.4	41.1	41.1	41.1	41.1	40.5	40.5	40.5	40.5
	0	-0.4	42.4	42.4	42.4	42.4	42.4	41.8	41.8	41.8
	5	4.5	47.9	47.3	46.7	46.7	46.7	46.7	46.7	46.7
	10	9	49.7	49.7	49.7	49.1	49.1	49.1	49.1	49.1
	15	14	52.8	52.8	52.8	52.8	52.8	52.8	52.2	51.6
	20	19	55.9	55.9	55.9	55.9	54.7	54.7	53.7	53.1
	25	23	58.3	58.3	58.3	58.3	58.3	57.1	56.5	53.7
	30	28	59.6	59.6	59.6	59.6	59.6	58.3	56.5	53.7
	35	32	61.4	61.4	61.4	61.4	60.8	59.6	56.5	53.7
	40	36	63.9	63.9	63.9	63.9	61.4	59.6	56.5	53.7
	45	41	66.3	66.3	66.3	64.5	61.4	59.6	56.5	53.7
	47	43	68.8	68.2	67.5	64.5	61.4	59.6	56.5	53.7
	50	46	73.7	70.6	67.5	64.5	61.4	59.6	56.5	53.7
	55	51	75.2	71.2	67.5	64.5	61.4	59.6	56.5	53.7
	60	56	75.2	71.2	67.5	64.5	61.4	59.6	56.5	53.7

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

Table 82: ARNU363B8A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU363B8A4/ 36.2	-21.6	-22.0	20.6	20.6	20.6	20.6	20.3	20.3	20.3	20.3
	-17.1	-17.5	23.1	23.1	23.1	23.1	22.8	22.8	22.8	22.8
	-12.6	-13	25.6	25.6	25.6	25.6	25.2	25.2	25.2	25.2
	-7	-7.6	26.4	26.4	26.4	26.4	26.0	26.0	26.0	26.0
	-4	-4.4	27.2	27.2	27.2	27.2	26.8	26.8	26.8	26.8
	0	-0.4	28.0	28.0	28.0	28.0	28.0	27.6	27.6	27.6
	5	4.5	31.7	31.3	30.9	30.9	30.9	30.9	30.9	30.9
	10	9	32.9	32.9	32.9	32.5	32.5	32.5	32.5	32.5
	15	14	34.9	34.9	34.9	34.9	34.9	34.9	34.5	34.1
	20	19	37.0	37.0	37.0	37.0	36.1	36.1	35.5	35.1
	25	23	38.6	38.6	38.6	38.6	38.6	37.8	37.4	35.5
	30	28	39.4	39.4	39.4	39.4	39.4	38.6	37.4	35.5
	35	32	40.6	40.6	40.6	40.6	40.2	39.4	37.4	35.5
	40	36	42.2	42.2	42.2	42.2	40.6	39.4	37.4	35.5
	45	41	43.9	43.9	43.9	42.6	40.6	39.4	37.4	35.5
	47	43	45.5	45.1	44.7	42.6	<b>40.6</b>	39.4	37.4	35.5
	50	46	48.7	46.7	44.7	42.6	40.6	39.4	37.4	35.5
	55	51	49.7	47.1	44.7	42.6	40.6	39.4	37.4	35.5
	60	56	49.7	47.1	44.7	42.6	40.6	39.4	37.4	35.5

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU423B8A4

Table 83: ARNU423B8A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU423B8A4/ 42.0	-21.6	-22.0	22.2	22.2	22.2	22.2	21.9	21.9	21.9	21.9
	-17.1	-17.5	24.9	24.9	24.9	24.9	24.6	24.6	24.6	24.6
	-12.6	-13	27.6	27.6	27.6	27.6	27.2	27.2	27.2	27.2
	-7	-7.6	28.5	28.5	28.5	28.5	28.0	28.0	28.0	28.0
	-4	-4.4	29.4	29.4	29.4	29.4	28.9	28.9	28.9	28.9
	0	-0.4	30.2	30.2	30.2	30.2	30.2	29.8	29.8	29.8
	5	4.5	34.2	33.7	33.3	33.3	33.3	33.3	33.3	33.3
	10	9	35.5	35.5	35.5	35.0	35.0	35.0	35.0	35.0
	15	14	37.7	37.7	37.7	37.7	37.7	37.7	37.2	36.8
	20	19	39.9	39.9	39.9	39.9	39.0	39.0	38.3	37.9
	25	23	41.6	41.6	41.6	41.6	41.6	40.7	40.3	38.3
	30	28	42.5	42.5	42.5	42.5	42.5	41.6	40.3	38.3
	35	32	43.8	43.8	43.8	43.8	43.4	42.5	40.3	38.3
	40	36	45.6	45.6	45.6	45.6	43.8	42.5	40.3	38.3
	45	41	47.3	47.3	47.3	46.0	43.8	42.5	40.3	38.3
	47	43	49.1	48.6	48.2	46.0	43.8	42.5	40.3	38.3
	50	46	52.6	50.4	48.2	46.0	43.8	42.5	40.3	38.3
	55	51	53.7	50.8	48.2	46.0	43.8	42.5	40.3	38.3
	60	56	53.7	50.8	48.2	46.0	43.8	42.5	40.3	38.3

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU483B8A4

Table 84: ARNU483B8A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU483B8A4/ 48.1	-21.6	-22.0	26.0	26.0	26.0	26.0	25.6	25.6	25.6	25.6
	-17.1	-17.5	29.1	29.1	29.1	29.1	28.7	28.7	28.7	28.7
	-12.6	-13	32.3	32.3	32.3	32.3	31.8	31.8	31.8	31.8
	-7	-7.6	33.3	33.3	33.3	33.3	32.8	32.8	32.8	32.8
	-4	-4.4	34.3	34.3	34.3	34.3	33.8	33.8	33.8	33.8
	0	-0.4	35.3	35.3	35.3	35.3	35.3	34.8	34.8	34.8
	5	4.5	39.9	39.4	38.9	38.9	38.9	38.9	38.9	38.9
	10	9	41.5	41.5	41.5	41.0	41.0	41.0	41.0	41.0
	15	14	44.0	44.0	44.0	44.0	44.0	44.0	43.5	43.0
	20	19	46.6	46.6	46.6	46.6	45.6	45.6	44.8	44.3
	25	23	48.6	48.6	48.6	48.6	48.6	47.6	47.1	44.8
	30	28	49.7	49.7	49.7	49.7	49.7	48.6	47.1	44.8
	35	32	51.2	51.2	51.2	51.2	50.7	49.7	47.1	44.8
	40	36	53.3	53.3	53.3	53.3	51.2	49.7	47.1	44.8
	45	41	55.3	55.3	55.3	53.8	51.2	49.7	47.1	44.8
	47	43	57.3	56.8	56.3	53.8	<b>51.2</b>	49.7	47.1	44.8
	50	46	61.4	58.9	56.3	53.8	51.2	49.7	47.1	44.8
	55	51	62.7	59.4	56.3	53.8	51.2	49.7	47.1	44.8
	60	56	62.7	59.4	56.3	53.8	51.2	49.7	47.1	44.8

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU763B8A4

Table 85: ARNU763B8A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU763B8A4/ 76.4	-21.6	-22.0	43.6	43.6	43.6	43.6	43.0	43.0	43.0	43.0
	-17.1	-17.5	48.9	48.9	48.9	48.9	48.2	48.2	48.2	48.2
	-12.6	-13	54.2	54.2	54.2	54.2	53.4	53.4	53.4	53.4
	-7	-7.6	55.9	55.9	55.9	55.9	55.0	55.0	55.0	55.0
	-4	-4.4	57.6	57.6	57.6	57.6	56.8	56.8	56.8	56.8
	0	-0.4	59.3	59.3	59.3	59.3	59.3	58.5	58.5	58.5
	5	4.5	67.1	66.2	65.4	65.4	65.4	65.4	65.4	65.4
	10	9	69.7	69.7	69.7	68.8	68.8	68.8	68.8	68.8
	15	14	74.0	74.0	74.0	74.0	74.0	74.0	73.1	72.2
	20	19	78.3	78.3	78.3	78.3	76.5	76.5	75.3	74.4
	25	23	81.7	81.7	81.7	81.7	81.7	80.0	79.1	75.3
	30	28	83.4	83.4	83.4	83.4	83.4	81.7	79.1	75.3
	35	32	86.0	86.0	86.0	86.0	85.1	83.4	79.1	75.3
	40	36	89.4	89.4	89.4	89.4	86.0	83.4	79.1	75.3
	45	41	92.9	92.9	92.9	90.3	86.0	83.4	79.1	75.3
	47	43	96.3	95.5	94.6	90.3	86.0	83.4	79.1	75.3
	50	46	103.2	98.9	94.6	90.3	86.0	83.4	79.1	75.3
	55	51	105.4	99.8	94.6	90.3	86.0	83.4	79.1	75.3
	60	56	105.4	99.8	94.6	90.3	86.0	83.4	79.1	75.3

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED HIGH STATIC

## Heating Capacity Tables

### ARNU963B8A4

Table 86: ARNU963B8A4 Heating Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU963B8A4/ 95.9	-21.6	-22.0	54.5	54.5	54.5	54.5	53.8	53.8	53.8	53.8
	-17.1	-17.5	61.1	61.1	61.1	61.1	60.3	60.3	60.3	60.3
	-12.6	-13	67.7	67.7	67.7	67.7	66.8	66.8	66.8	66.8
	-7	-7.6	69.9	69.9	69.9	69.9	68.8	68.8	68.8	68.8
	-4	-4.4	72.0	72.0	72.0	72.0	71.0	71.0	71.0	71.0
	0	-0.4	74.2	74.2	74.2	74.2	74.2	73.1	73.1	73.1
	5	4.5	83.9	82.8	81.7	81.7	81.7	81.7	81.7	81.7
	10	9	87.1	87.1	87.1	86.0	86.0	86.0	86.0	86.0
	15	14	92.5	92.5	92.5	92.5	92.5	92.5	91.4	90.3
	20	19	97.8	97.8	97.8	97.8	95.7	95.7	94.1	93.0
	25	23	102.1	102.1	102.1	102.1	102.1	100.0	98.9	94.1
	30	28	104.3	104.3	104.3	104.3	104.3	102.1	98.9	94.1
	35	32	107.5	107.5	107.5	107.5	106.4	104.3	98.9	94.1
	40	36	111.8	111.8	111.8	111.8	107.5	104.3	98.9	94.1
	45	41	116.1	116.1	116.1	112.9	107.5	104.3	98.9	94.1
	47	43	120.4	119.3	118.3	112.9	107.5	104.3	98.9	94.1
	50	46	129.0	123.6	118.3	112.9	107.5	104.3	98.9	94.1
	55	51	131.7	124.7	118.3	112.9	107.5	104.3	98.9	94.1
	60	56	131.7	124.7	118.3	112.9	107.5	104.3	98.9	94.1

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED HIGH STATIC



## Optional Accessories

Table 87: Optional Accessories for Ducted High Static Indoor Units.

Accessory	Model Number
High Efficiency Filter Box	ZFBXBH01A (For 7~24MBh BH Ducted High Static Indoor Units)
	ZFBXM201A (For 7~42MBh M2 Ducted High Static Indoor Units)
	ZFBXM301A (For 28-54MBh M3 Ducted High Static Indoor Units)
	ZFBXB801A (For 36-96MBh B8 Ducted High Static Indoor Units)

All accessories are sold separately.



# CEILING-CONCEALED DUCTED LOW STATIC



**Mechanical Specifications on page 126**

**General Data on page 127**

**Electrical Data on page 128**

**External Dimensions on page 129**

**Electrical Wiring Diagrams on page 131**

**Refrigerant Flow Diagrams on page 134**

**External Static Pressure and Air Flow on page 135**

**External Static Pressure Ranges on page 137**

**Acoustic Data on page 138**

**Capacity Tables on page 141**

# DUCTED LOW STATIC

**MULTI V™**

## Mechanical Specifications

### Casing

The case is a low profile design with a maximum height of eight inches designed to mount concealed above the finished ceiling. Fan supply air is front horizontal with a rear horizontal field convertible to a bottom return. The unit is manufactured with coated metal. Cold surfaces are covered with a polystyrene insulating material. The case is provided with hanger brackets designed to support the unit weight on four corners. Hanger brackets have pre-punched holes designed to accept field supplied all-thread rod hangers.

### Fan Assembly and Control

The unit has Sirocco fans made of high strength ABS HT-700 polymeric resin. Fans are directly driven and mounted on a common shaft. The fan motor is a Brushless Digitally-Controlled (BLDC) design with permanently lubricated and sealed ball bearings. The fan motor includes thermal, overcurrent and low RPM protection. The fan/motor assembly is mounted on vibration attenuating rubber grommets. The fan impeller is statically and dynamically balanced. The fan speed is controlled using a microprocessor based direct digital control algorithm that provides a high fan speed in cooling thermal ON and low fan speed in cooling thermal OFF, high fan speed in heating thermal ON and fan off in heating thermal OFF. The fan speeds can be field adjusted between low, medium, and high speeds and DIP switch settings will allow the fan to run constantly during defrost or oil return modes. Each setting can be field adjusted from the factory setting (RPM / ESP) to compensate for resistance to airflow caused by field connected ductwork or other airflow restricting devices.

### Air Filter

Return air is filtered with a removable, washable filter with anti-fungal treatment.

### Microprocessor Controls

The unit is provided with an integrated microprocessor-based controller. The controller is capable of performing functions necessary to operate the system without the use of a wall-mounted controller. A temperature thermistor is factory-mounted in the return air stream. All unit operation parameters, excluding the unit operating schedule, are stored in non-volatile memory resident on the unit microprocessor. Operating schedules are stored in select models of the optional, wall-mounted, local, or central controller. The field-supplied communication cable between the indoor unit(s) and outdoor unit is to be a minimum of 18 AWG, 2 conductor, stranded and shielded cable (RS-485), terminated via screw terminals on the control boards.

The microprocessor control provides the following functions: auto addressing, self-diagnostics, auto restart following power restoration, test run, and will operate the indoor unit using one of five operating modes:

1. Auto Changeover (Heat Recovery only)
2. Heating
3. Cooling
4. Dry
5. Fan Only

For Heat Recovery systems the Auto Changeover setting automatically switches control of the indoor unit between cooling and heating modes based on space temperature conditions.

For Heat Pump systems, heated or cooled air delivery is dependent upon outdoor unit operating mode.

In Heating mode, the microprocessor control will activate the indoor unit when indoor room temperature falls below set-point temperature and signals the outdoor unit to begin heating cycle. The indoor unit fan operation is delayed until coil pipe temperature reaches 76°F. Significant airflow is generated when pipe temperature reaches 80°F. In lieu of factory return air thermistor, screw terminals on the microprocessor circuit board accommodate various models of wall-mounted local controllers and/or a wall-mounted remote temperature sensor. The unit microprocessor is capable of accepting space temperature readings concurrently or individually from either:

1. Wall-mounted wired controller(s)
2. Factory mounted return air thermistor or the optional wall-mounted wired remote temperature sensor.

A single indoor unit has the capability of being controlled by up to two local wired controllers. The microprocessor controls space temperature using the value provided by the temperature sensor sensing a space temperature that is farthest away from the temperature set-point. The microprocessor control provides a cooling or heating mode test cycle that operates the unit for 18 minutes without regard to the space temperature. If the system is provided with an optional wall-mounted or central controller, displayed diagnostic codes are specific, alpha numeric, and provide the service technician with a reason for the code displayed.

### Condensate Lift/Pump

The indoor unit is provided with a factory installed and wired condensate lift/pump capable of providing a minimum 27.5 inch lift from the bottom exterior surface of the unit casing. The lift pump comes with a safety switch that will shut off indoor unit if condensate rises too high in the drain pan.

### Condensate Drain Pan

The condensate drain pan is constructed of high impact polystyrene resin (HIPS).

### Coil

The indoor unit coil is constructed with grooved design copper tubes with slit coil fins, two (2) to three (3) rows, eighteen (18) to twenty-one (21) fins per inch.

### Controls Features

- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- External on / off control
- Dual thermistor control
- Dual set-point control\*
- Filter life display\*
- Multiple auxiliary heater applications\*
- Group control
- Wi-Fi compatible
- Auto fan
- Leak detection
- External static pressure control
- Hot start
- Self diagnostics
- Timer (on / off)
- Weekly schedule
- Fan speed control
- Ventilation (outside air)

*\*To enable Generation 4 features, outdoor unit DIP Switch No. 3 must be set to ON. Please refer to the Multi V IV, Multi V Water IV, Multi V S Engineering Manual for additional information.*



Table 88: Ducted Low Static (L1, L2, L3 Frames) Indoor Unit General Data.

Model No.	ARNU073L1G4	ARNU093L1G4	ARNU123L2G4	ARNU153L2G4	ARNU183L2G4	ARNU243L3G4
<b>Cooling Mode Performance</b>						
Capacity (Btu/h)	7,500	9,600	12,300	15,400	19,100	24,000
Max Power Input <sup>1</sup> (W)	40	40	85	85	85	115
L/M/H Power Input at Factory Default (W)	24 / 28 / 31	24 / 29 / 39	29 / 34 / 41	34 / 41 / 56	41 / 56 / 71	48 / 63 / 103
<b>Heating Mode Performance</b>						
Capacity (Btu/h)	8,500	10,900	13,600	17,100	21,500	27,300
Max Power Input <sup>1</sup> (W)	40	40	85	85	85	115
L/M/H Power Input at Factory Default (W)	24 / 28 / 31	24 / 29 / 39	29 / 34 / 41	34 / 41 / 56	41 / 56 / 71	48 / 63 / 103
<b>Entering Mixed Air</b>						
Cooling Max. (°F WB) <sup>2</sup>	76	76	76	76	76	76
Heating Min. (°F DB) <sup>2</sup>	59	59	59	59	59	59
<b>Unit Data</b>						
Refrigerant Type <sup>3</sup>	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Control	EEV	EEV	EEV	EEV	EEV	EEV
Sound Pressure <sup>4</sup> dB(A) (H/M/L)	27 / 26 / 23	30 / 26 / 23	31 / 29 / 26	34 / 31 / 29	36 / 34 / 31	39 / 35 / 32
Net Unit Weight (lbs.)	38.6	38.6	50.7	50.7	50.7	59.5
Shipping Weight (lbs.)	47.4	47.4	60.6	60.6	60.6	68.3
Communication Cable <sup>5</sup> (No. x AWG)	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
<b>Fan</b>						
Type	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
Motor	1	1	2	2	2	2
Housing	2	2	3	3	3	4
Motor/Drive	Brushless Digitally Controlled / Direct					
Airflow Rate H/M/L (CFM) Standard Mode	270 / 230 / 200	320 / 250 / 200	360 / 310 / 250	450 / 360 / 310	530 / 450 / 360	710 / 570 / 430
Airflow Rate H/M/L (CFM) High Mode (Factory Set)	270 / 230 / 200	320 / 250 / 200	360 / 310 / 250	450 / 360 / 310	530 / 450 / 360	710 / 570 / 430
External Static Pressure (in. wg) Standard Mode	0	0	0	0	0	0
External Static Pressure (in. wg) High Mode (Factory Set)	0.1	0.1	0.1	0.1	0.1	0.1
<b>Piping</b>						
Liquid Line (in., O.D.)	1/4 Flare	1/4 Flare	1/4 Flare	1/4 Flare	1/4 Flare	3/8 Flare
Vapor Line (in., O.D.)	1/2 Flare	1/2 Flare	1/2 Flare	1/2 Flare	1/2 Flare	5/8 Flare
Condensate Line (in., I.D.)	1	1	1	1	1	1

EEV: Electronic Expansion Valve

Power wiring is field supplied and must comply with the applicable local and national codes.

This unit comes with a dry nitrogen charge.

All capacities are net with a combination ratio between 95-105%.

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

<sup>1</sup>Max. power input is rated at maximum setting value.

<sup>2</sup>Low ambient performance with LGRED<sup>®</sup> heat technology is included in Multi V 5 Air Source Units produced after February 2019.

<sup>3</sup>Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

<sup>4</sup>Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

<sup>5</sup>All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national codes. Ensure the communication cable is properly grounded at the master outdoor unit only. Ⓢ Do not ground the ODU-IDU communication cable at any other point.

# DUCTED LOW STATIC



## Electrical Data

Table 89: Ducted Low Static (L1, L2, L3 Frames) Indoor Unit Electrical Data.

Model	Voltage Range	MCA	MOP	Rated Amps (A)	Power Supply			Power Input <sup>1</sup> (W)		
					Hz	Volts	Phase	Max. Cooling	Max. Heating	L / M / H at Factory Default
L1 Units										
ARNU073L1G4	208-230	0.5	15	0.4	60	208-230	1	40	40	24 / 28 / 31
ARNU093L1G4		0.5		0.4				40	40	24 / 29 / 39
L2 Units										
ARNU123L2G4	208-230	1.0	15	0.76	60	208-230	1	85	85	29 / 34 / 41
ARNU153L2G4		1.0		0.76				85	85	34 / 41 / 56
ARNU183L2G4		1.0		0.76				85	85	41 / 56 / 71
L3 Units										
ARNU243L3G4	208-230	1.2	15	0.97	60	208-230	1	115	115	48 / 63 / 103

MCA : Minimum Circuit Ampacity.

MOP : Maximum Overcurrent Protection.

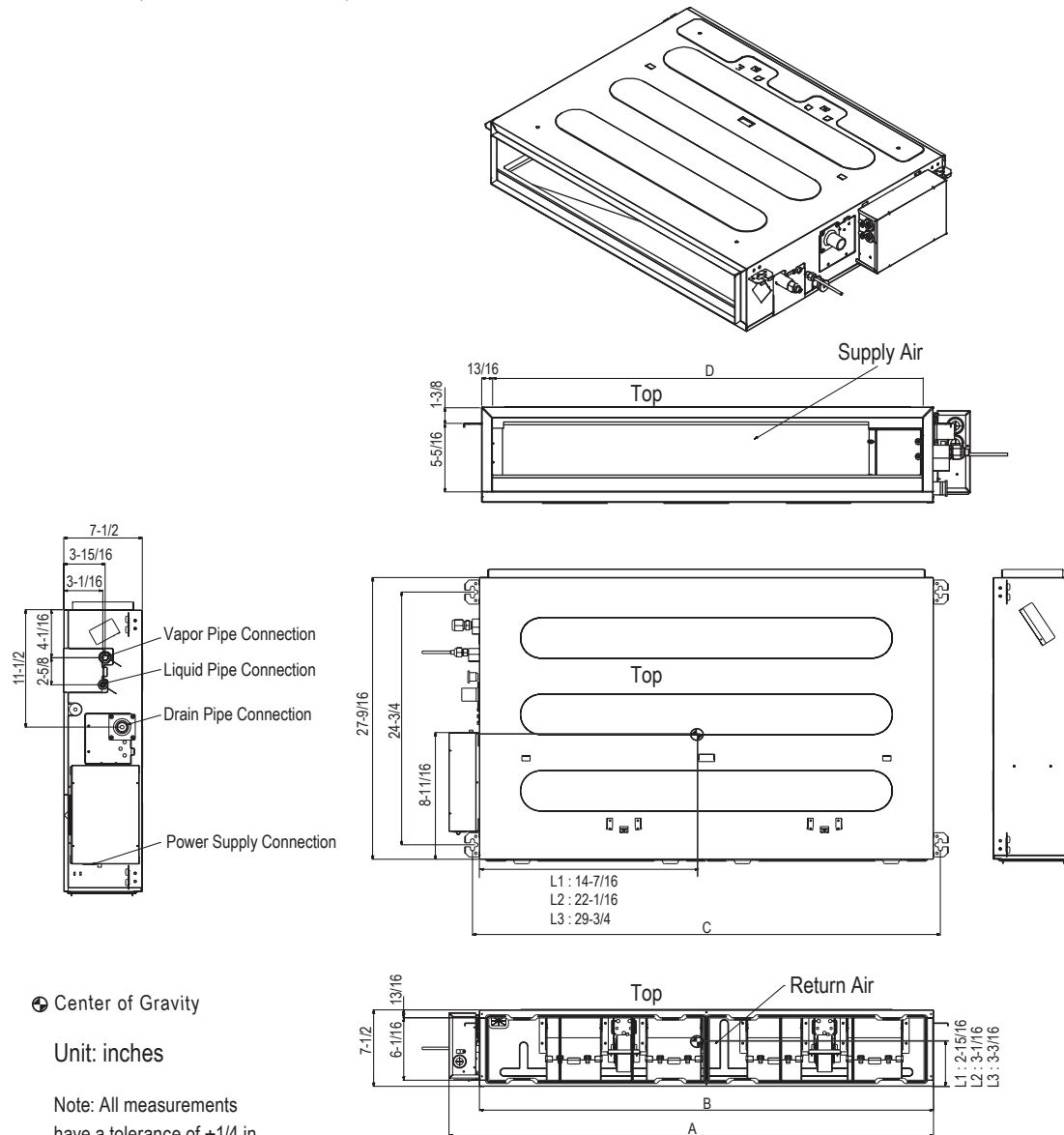
Units are suitable for use on an electrical system where voltage supplied to unit terminals is within the listed range limits.

Select wire size based on the larger MCA value.

Instead of fuse, use the circuit breaker.

<sup>1</sup>Max. power input is rated at maximum setting value.

Figure 26: ARNU073-093L1G4, ARNU123~183L2G4, ARNU243L3G4 Dimensions.



	A	B	C	D	Supply Duct Connection					Return Duct Connection				
					Type	Height	Width	Flange Width	Flange Depth	Opening Location	Height	Width	Flange Width	Flange Depth
ARNU073L1G4 ARNU093L1G4	30-1/2	27-9/16	28-7/8	26	Flange	5-7/8	26	13/16	5/8	Rear	6-1/8	26	3/4	No Flange
										Bottom	6-1/16	26	3/4	No Flange
ARNU123L2G4 ARNU153L2G4 ARNU183L2G4	38-3/8	35-7/16	36-3/4	33-7/8	Flange	5-7/8	33-13/16	13/16	5/8	Rear	6-1/8	33-11/16	3/4	No Flange
										Bottom	6-1/16	33-11/16	3/4	No Flange
ARNU243L3G4	46-1/4	43-5/16	44-5/8	41-3/4	Flange	5-7/8	41-3/4	13/16	5/8	Rear	6-1/8	41-11/16	3/4	No Flange
										Bottom	6-1/16	41-11/16	3/4	No Flange

# DUCTED LOW STATIC

## Electrical Wiring Diagram

### L1 Units

Figure 27: ARNU073L1G4, ARNU093L1G4 Wiring Diagram.

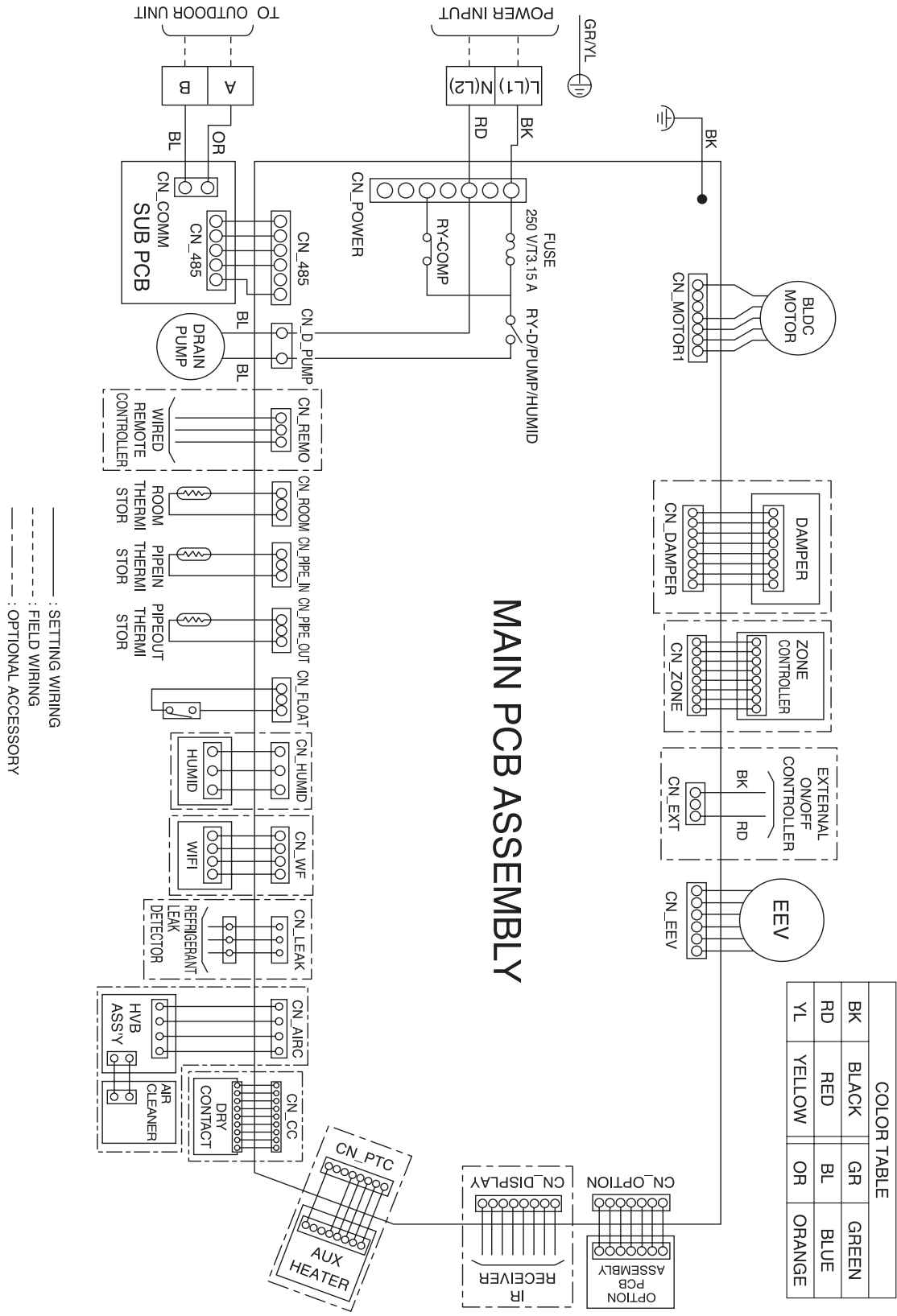


Table 90: L1 Unit Wiring Diagram Legend.

Terminal	Purpose	Function
CN-POWER	AC Power supply	AC Power line
CN-MOTOR1	Fan motor output	Motor output of BLDC
CN-DAMPER	N / A	N / A
CN-ZONE	Zone controller	Zone controller connection
CN-EXT	External on / off controller	External on / off Controller connection
CN-EEV	EEV Output	EEV control output
CN-OPTION	Optional PCB EPROM	Option PCB connection
CN-DISPLAY	Display	Display of indoor status
CN-PTC	Auxiliary heater	Connection for Auxiliary Heater
CN-CC	Dry contact	Dry Contact connection
CN-AIRC	N / A	N / A
CN-LEAK	Leak detector	Leak detector connection
CN-WF	Wi-Fi	Wi-Fi module connection
CN-HUMID	N / A	N / A
CN-FLOAT	Float switch input	Float switch sensing
CN-PIPE/OUT	Discharge pipe sensor	Pipe out thermistor
CN-PIPE/IN	Suction pipe sensor	Pipe in thermistor
CN-ROOM	Room sensor	Room air thermistor
CN-REMO	Wired remote controller	Wired remote control connection
CN-D/PUMP	Drain pump output	AC output for drain pump
CN-485	Communication	Connection between indoor and outdoor units

Table 91: L1 Unit DIP Switch Settings.

DIP Switch Setting		Off	On	Remarks
SW3	GROUP CONTROL	Master	Slave	Group control setting using 7-Day Programmable Controller; selects Master / Slave on each indoor unit
SW4	DRY CONTACT MODE	Variable	Auto	Sets operation mode for optional Dry Contact accessory 1. Variable: Auto or Manual Mode can be set through 7-Day Programmable Controller or Wireless Remote Controller (factory default setting is Auto if there is no setting) 2. Auto: For Dry Contact, it is always Auto mode
SW5	CONTINUOUS FAN	Off	On	Selects continuous fan for ducted indoor units. 1. On: Indoor unit fan will always operate at a set fan speed, except when the system is off, or the outdoor unit is in defrost mode (when the outdoor unit is in defrost mode, the fan will operate at super low fan speed) 2. Off: Indoor unit fan speed can be changed by on / off

**\*For Gen 4 Multi V ducted indoor units, DIP switches 1, 2, 6 through 8 must be set to OFF. These DIP switches are used for other models.**

**\*\*To enable Generation 4 features, outdoor unit DIP Switch No. 3 must be set to ON. Please refer to the Multi V IV, Multi V Water IV Engineering Manual for additional information.**

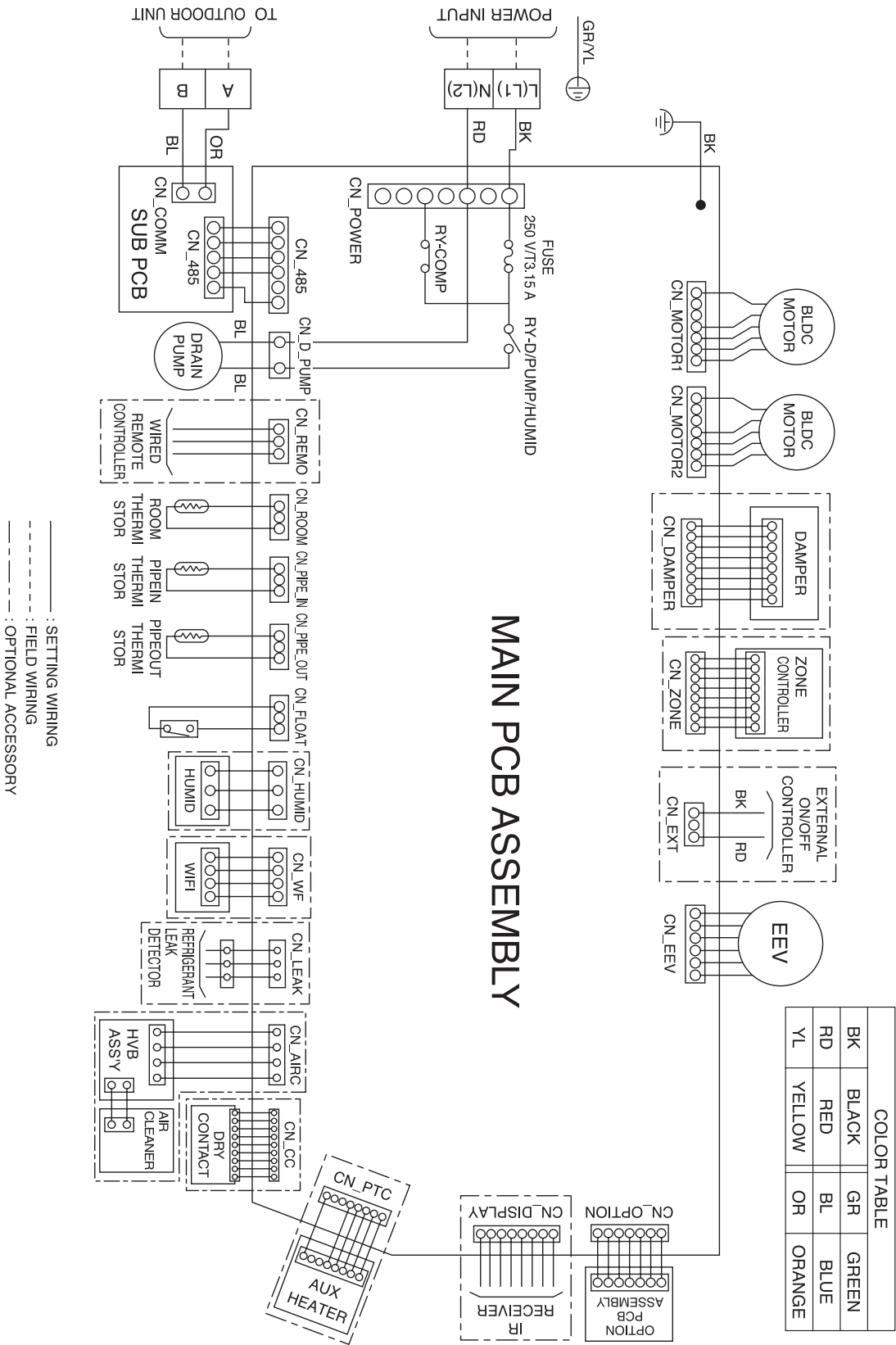


# DUCTED LOW STATIC



## Electrical Wiring Diagram L2, L3 Units

Figure 28: ARNU123L2G4, ARNU153L2G4, ARNU183L2G4, ARNU243L3G4 Wiring Diagram.



Due to our policy of continuous product innovation, some specifications may change without notification.  
© LG Electronics U.S.A., Inc., Englewood Cliffs, NJ. All rights reserved. "LG" is a registered trademark of LG Corp.



Table 92: L2, L3 Unit Wiring Diagram Legend.

Terminal	Purpose	Function
CN-POWER	AC Power supply	AC Power line
CN-MOTOR1	Fan motor output	Motor output of BLDC
CN-MOTOR2	Fan motor output	Motor output of BLDC
CN-DAMPER	N / A	N / A
CN-ZONE	Zone controller	Zone controller connection
CN-EXT	External on / off controller	External on / off Controller connection
CN-EEV	EEV Output	EEV control output
CN-OPTION	Optional PCB EPROM	Option PCB connection
CN-DISPLAY	Display	Display of indoor status
CN-PTC	Auxiliary heater	Connection for Auxiliary Heater
CN-CC	Dry contact	Dry Contact connection
CN-AIRC	N / A	N / A
CN-LEAK	Leak detector	Leak detector connection
CN-WF	Wi-Fi	Wi-Fi module connection
CN-HUMID	N / A	N / A
CN-FLOAT	Float switch input	Float switch sensing
CN-PIPE/OUT	Discharge pipe sensor	Pipe out thermistor
CN-PIPE/IN	Suction pipe sensor	Pipe in thermistor
CN-ROOM	Room sensor	Room air thermistor
CN-REMO	Wired remote controller	Wired remote control connection
CN-D/PUMP	Drain pump output	AC output for drain pump
CN-485	Communication	Connection between indoor and outdoor units

Table 93: L2, L3 Unit DIP Switch Settings.

DIP Switch Setting		Off	On	Remarks
SW3	GROUP CONTROL	Master	Slave	Group control setting using 7-Day Programmable Controller; selects Master / Slave on each indoor unit
SW4	DRY CONTACT MODE	Variable	Auto	Sets operation mode for optional Dry Contact accessory 1. Variable: Auto or Manual Mode can be set through 7-Day Programmable Controller or Wireless Remote Controller (factory default setting is Auto if there is no setting) 2. Auto: For Dry Contact, it is always Auto mode
SW5	CONTINUOUS FAN	Off	On	Selects continuous fan for ducted indoor units. 1. On: Indoor unit fan will always operate at a set fan speed, except when the system is off, or the outdoor unit is in defrost mode (when the outdoor unit is in defrost mode, the fan will operate at super low fan speed) 2. Off: Indoor unit fan speed can be changed by on / off

**\*For Gen 4 Multi V ducted indoor units, DIP switches 1, 2, 6 through 8 must be set to OFF. These DIP switches are used for other models.**

**\*\*To enable Generation 4 features, outdoor unit DIP Switch No. 3 must be set to ON. Please refer to the Multi V IV, Multi V Water IV Engineering Manual for additional information.**

# DUCTED LOW STATIC



## Refrigerant Flow Diagram

### L1, L2, L3 Units

Figure 29: L1, L2, L3 Unit Refrigerant Flow Diagram.

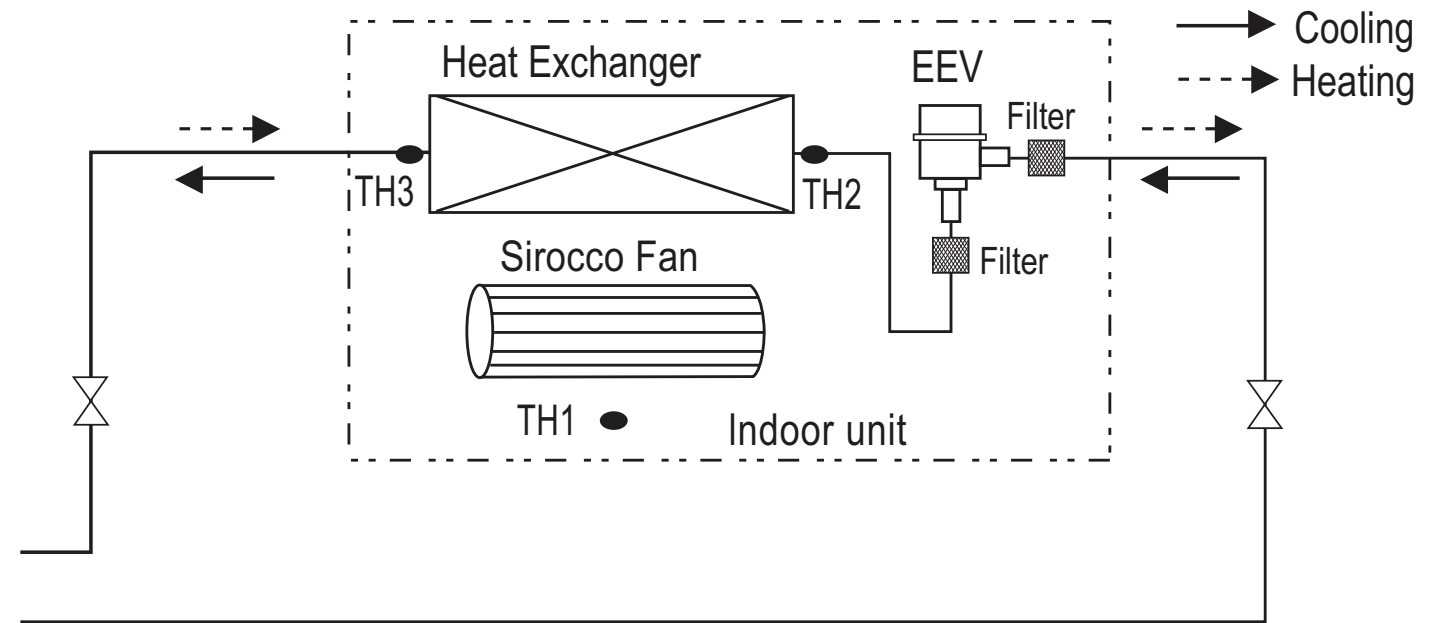


Table 94: L1, L2, L3 Unit Refrigerant Pipe Connection Port Diameters.

Model	Liquid (inch)	Vapor (inch)
L1 Units		
ARNU073L1G4	1/4 Flare	1/2 Flare
ARNU093L1G4		
L2 Units		
ARNU123L2G4	1/4 Flare	1/2 Flare
ARNU153L2G4		
ARNU183L2G4		
L3 Units		
ARNU243L3G4	3/8 Flare	5/8 Flare

Table 95: L1, L2, L3 Unit Thermistors.

Thermistor	Description
TH1	Return air thermistor
TH2	Pipe in thermistor
TH3	Pipe out thermistor



Table 96: L1 Unit External Static Pressure and Air Flow Table.

Set Value	Static Pressure (in. wg)					
	0	0.04	0.08	0.11	0.15	0.19
65	178	-	-	-	-	-
70	198	171	-	-	-	-
75	219	192	161	-	-	-
80	240	214	183	-	-	-
85	262	236	205	170	-	-
90	284	258	227	192	-	-
95	308	281	251	215	176	-
100	331	305	274	239	199	-
105	356	329	299	263	224	180
110	-	354	324	288	249	205
115	-	-	349	314	274	230
120	-	-	-	340	300	256
125	-	-	-	367	327	283
130	-	-	-	-	354	310

Table 97: L2 Unit External Static Pressure and Air Flow Table.

Set Value	Static Pressure (in. wg)					
	0	0.04	0.08	0.11	0.15	0.19
75	230	-	-	-	-	-
80	259	237	-	-	-	-
85	290	267	236	-	-	-
90	320	298	267	229	-	-
95	352	329	299	260	-	-
100	384	361	331	292	246	-
105	417	394	363	325	279	224
110	450	427	396	358	312	258
115	484	461	430	392	346	292
120	518	495	465	427	380	326
125	553	530	500	461	415	361
130	589	566	536	497	451	397
135	-	-	572	534	487	433

Table 98: L3 Unit External Static Pressure and Air Flow Table.

Set Value	Static Pressure (in. wg)					
	0	0.04	0.08	0.11	0.15	0.19
85	360	-	-	-	-	-
90	430	392	378	-	-	-
95	488	436	431	-	-	-
100	536	484	473	378	-	-
105	576	524	507	419	-	-
110	612	560	538	454	388	-
115	646	594	568	488	422	-
120	681	629	598	523	456	371
125	719	667	632	561	494	409
130	763	711	672	606	539	453
135	-	765	719	659	592	507
139	-	-	745	673	613	540

1. All static pressure air flow rates are listed in CFM.
2. The tables above show the correlation between air flow rates and external static pressure.
3. The tables above show the available external static pressure range.

**Note:**

If the external static pressure of the installed indoor unit is less than the lowest value (as mentioned in the table), the indoor unit components can fail.

# DUCTED LOW STATIC

## External Static Pressure and Air Flow Charts

### L1, L2, L3 Units

Figure 30: L1 Unit External Static Pressure and Air Flow Chart.

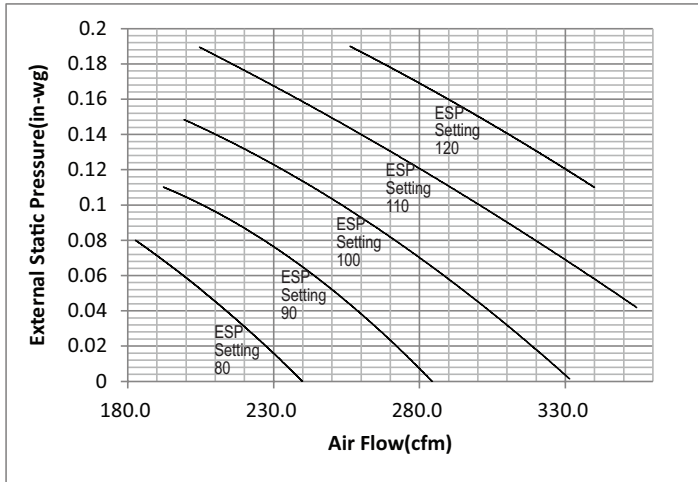


Figure 31: L2 Unit External Static Pressure and Air Flow Chart.

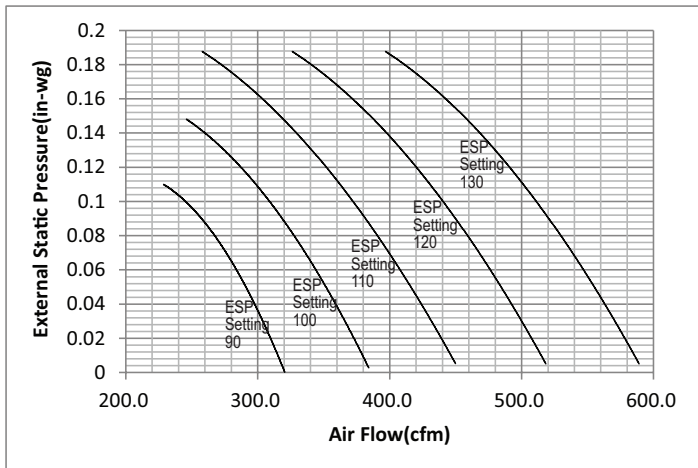


Figure 32: L3 Unit External Static Pressure and Air Flow Chart.

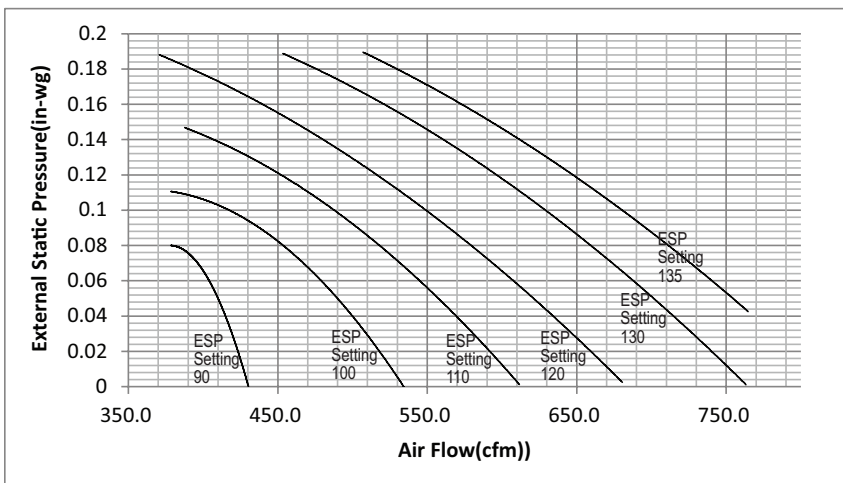


Table 99: L1 Unit External Static Pressure Ranges.

Model	Capacity (MBh)	Mode	Setting Value	Standard ESP (in. wg)	CFM	Min. ESP (in. wg)	Max. ESP (in. wg)
ARNU073L1G4	7.5	High (Factory Set)	High	100	265	-	0.2
			Mid	93	230		
			Low	86	194		
		Standard	High	86	265	-	0.2
			Mid	78	230		
			Low	69	194		
ARNU093L1G4	9.6	High (Factory Set)	High	113	318	-	0.2
			Mid	97	247		
			Low	86	194		
		Standard	High	97	318	-	0.2
			Mid	81	247		
			Low	69	194		

Table 101: L2 Unit External Static Pressure Ranges.

Model	Capacity (MBh)	Mode	Setting Value	Standard ESP (in. wg)	CFM	Min. ESP (in. wg)	Max. ESP (in. wg)
ARNU123L2G4	12.3	High (Factory Set)	High	105	353	-	0.2
			Mid	96	300		
			Low	89	247		
		Standard	High	96	353	-	0.2
			Mid	87	300		
			Low	78	247		
ARNU153L2G4	15.4	High (Factory Set)	High	119	442	-	0.2
			Mid	105	353		
			Low	96	300		
		Standard	High	109	442	-	0.2
			Mid	96	353		
			Low	87	300		
ARNU183L2G4	19.1	High (Factory Set)	High	131	530	-	0.2
			Mid	119	442		
			Low	105	353		
		Standard	High	120	530	-	0.2
			Mid	109	442		
			Low	96	353		

Table 100: L3 Unit External Static Pressure Ranges.

Model	Capacity (MBh)	Mode	Setting Value	Standard ESP (in. wg)	CFM	Min. ESP (in. wg)	Max. ESP (in. wg)
ARNU243L3G4	24.0	High (Factory Set)	High	139	707	-	0.2
			Mid	118	565		
			Low	105	424		
		Standard	High	125	707	-	0.2
			Mid	102	565		
			Low	89	424		

The tables above show the available E.S.P. range.

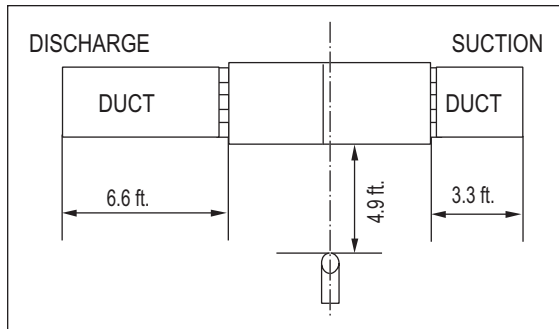
# DUCTED LOW STATIC



## Acoustic Data

### Sound Pressure Levels

Figure 33: Sound Pressure Measurement Location.



- Measurements are taken 4.9 ft away from the front of the unit.
  - Sound pressure levels are measured in dB(A) with a tolerance of  $\pm 3$ .
  - Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
- Operating Conditions:
- Power source: 220V/60 Hz
  - Sound level will vary depending on a range of factors including the construction (acoustic absorption coefficient) of a particular room in which the unit was installed.

Table 102: Ducted Low Static Sound Pressure Levels.

Model	Sound Pressure Levels dB(A)		
	High Fan Speed	Medium Fan Speed	Low Fan Speed
<b>L1 Units</b>			
ARNU073L1G4	27	26	23
ARNU093L1G4	30	26	23
<b>L2 Units</b>			
ARNU123L2G4	31	29	26
ARNU153L2G4	34	31	29
ARNU183L2G4	36	34	31
<b>L3 Units</b>			
ARNU243L3G4	39	35	32

Figure 34: ARNU073L1G4, ARNU093L1G4, and ARNU123L2G4 Sound Pressure Level Diagrams.

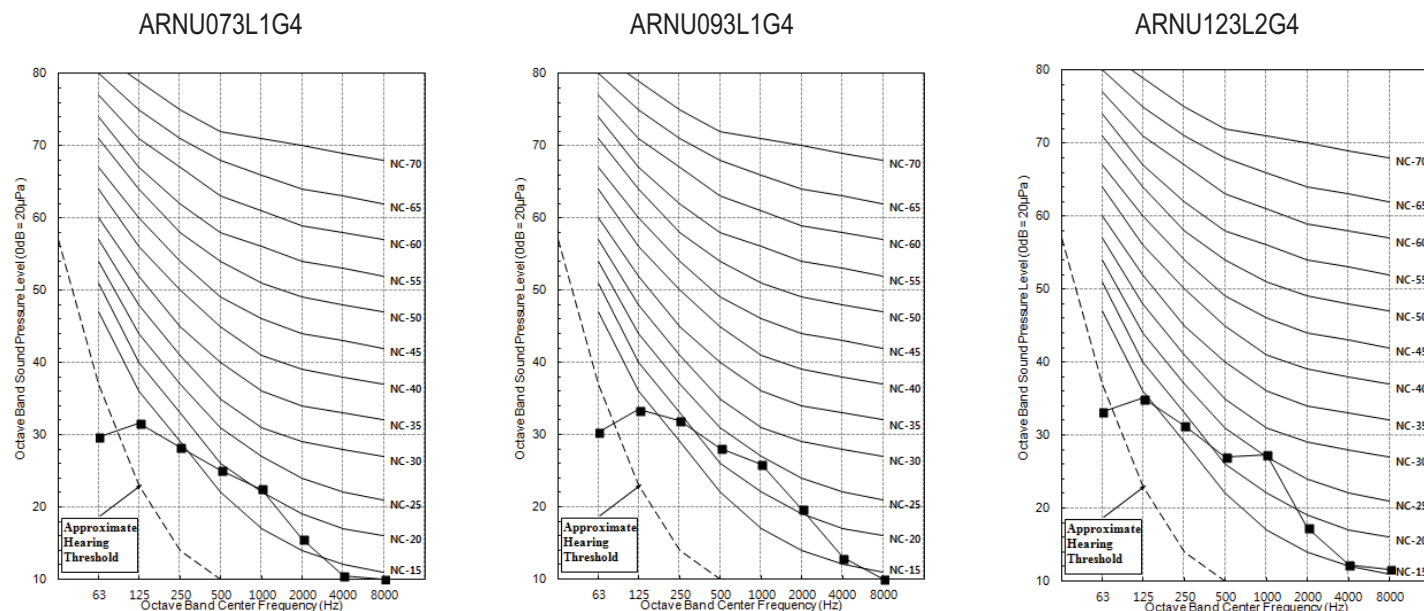
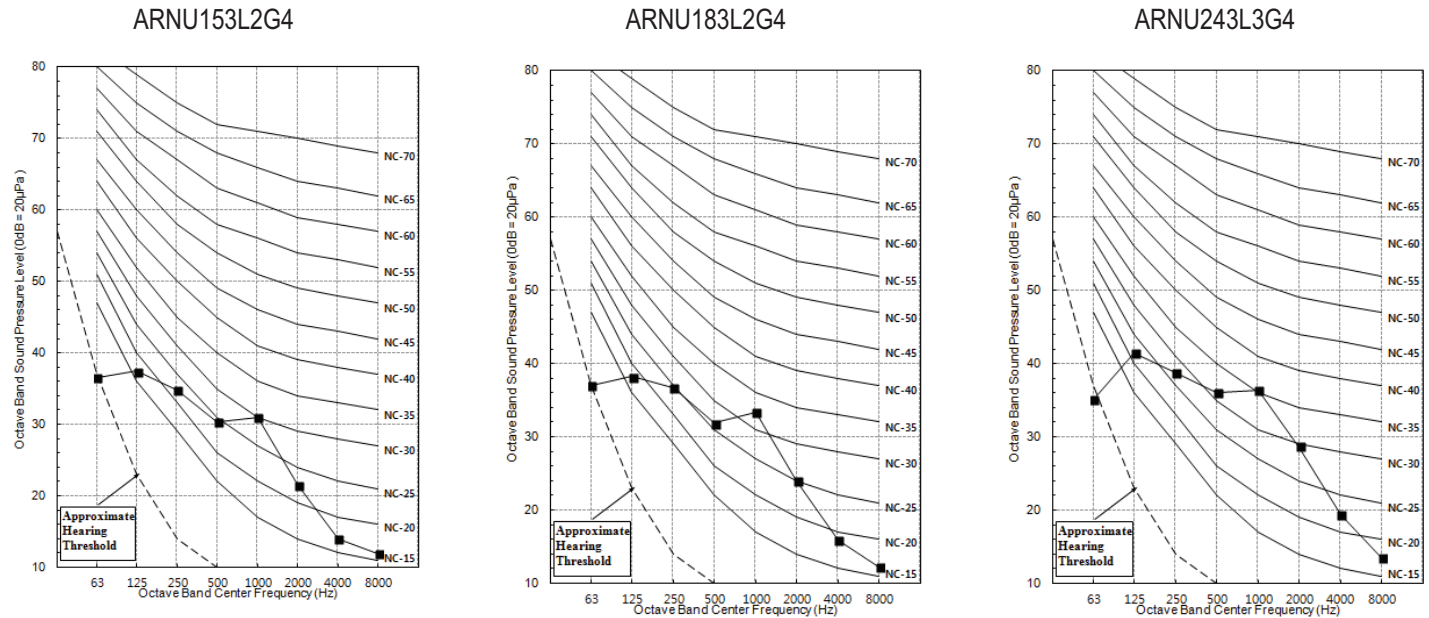


Figure 35: ARNU153L2G4, ARNU183L2G4, and ARNU243L3G4 Sound Pressure Level Diagrams.



## Sound Power Levels

Table 103: Ducted Low Static Sound Power Levels.

Model	Sound Power Levels dB(A)
<b>L1 Units</b>	
ARNU073L1G4	48
ARNU093L1G4	49
<b>L2 Units</b>	
ARNU123L2G4	52
ARNU153L2G4	53
ARNU183L2G4	54
<b>L3 Units</b>	
ARNU243L3G4	58

- Data is valid under diffuse field conditions.
- Data is valid under nominal operating conditions.
- Sound power level is measured using rated conditions, and tested in a reverberation room per ISO 3741 standards.
- Sound level will vary depending on a range of factors such as construction (acoustic absorption coefficient) of particular area in which the equipment is installed.
- Reference acoustic intensity: 0dB = 10E-6µW/m<sup>2</sup>



# DUCTED LOW STATIC



## Acoustic Data

## Sound Power Levels

Figure 36: ARNU073L1G4, ARNU093L1G4, and ARNU123L2G4 Sound Power Level Diagrams.

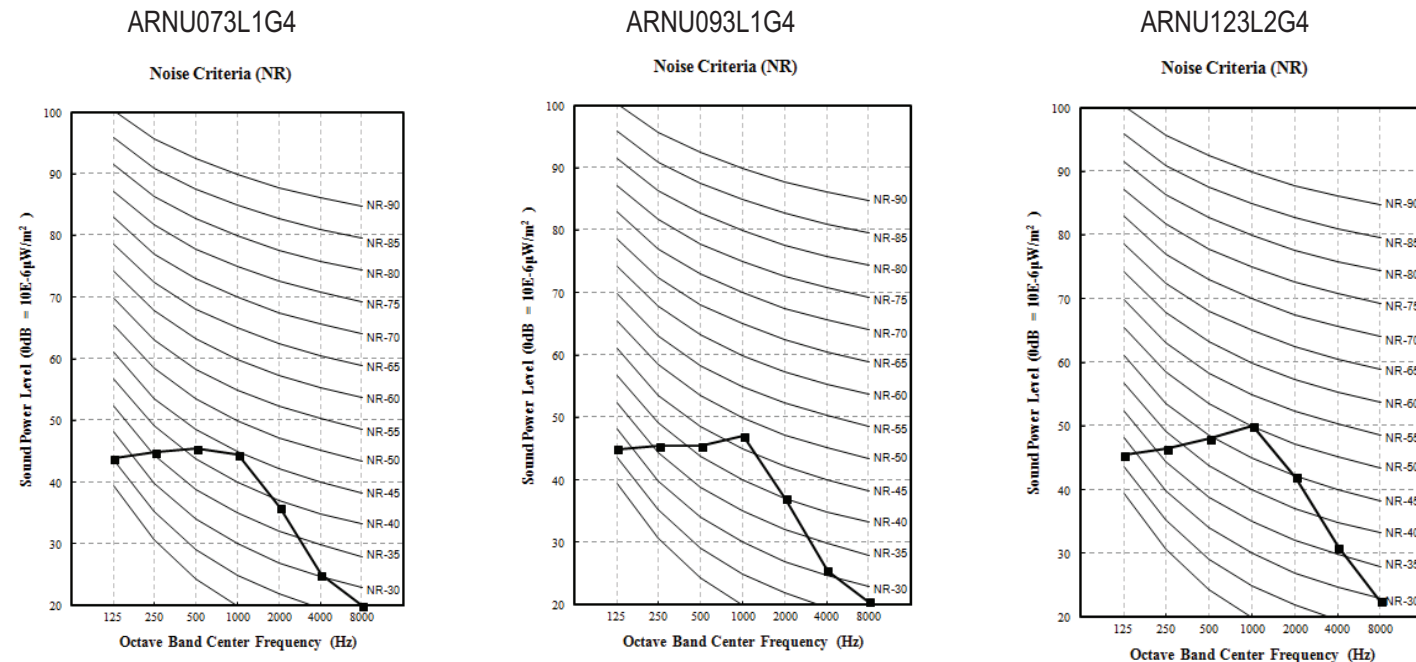
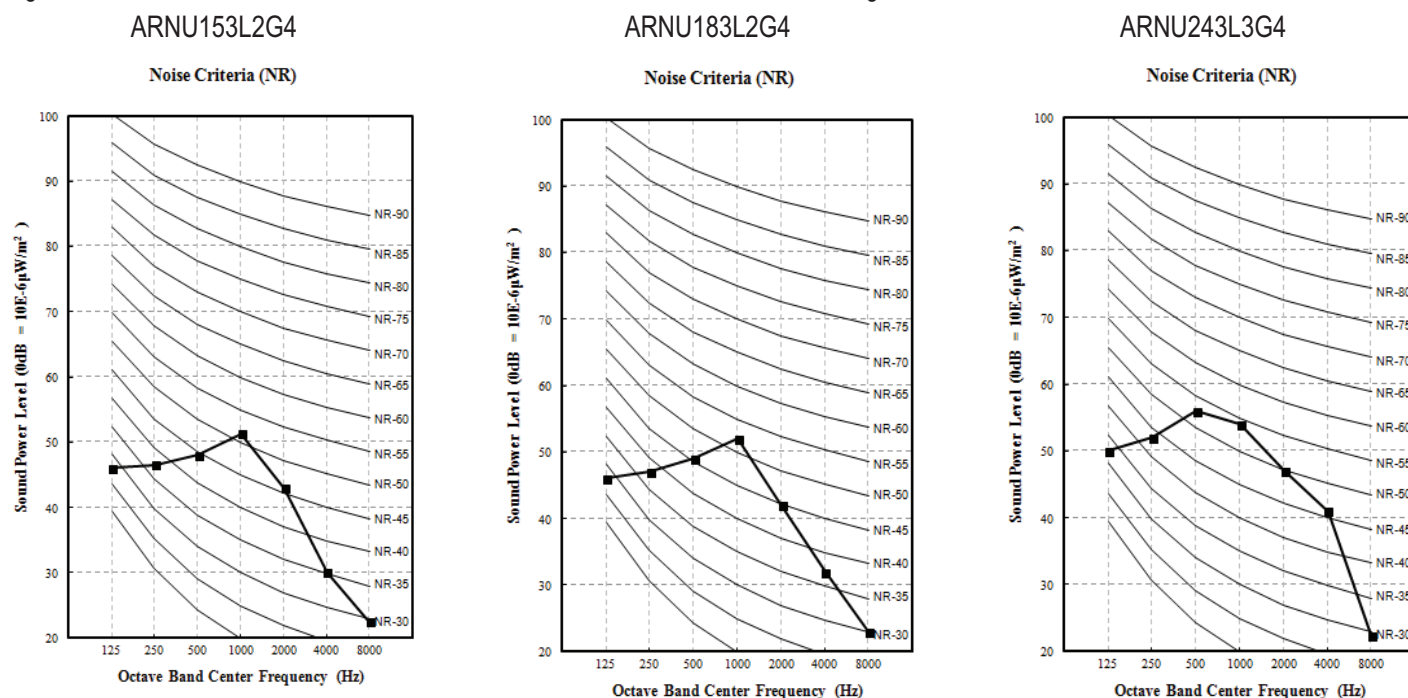


Figure 37: ARNU153L2G4, ARNU183L2G4, and ARNU243L3G4 Sound Power Level Diagrams.



# DUCTED LOW STATIC

## Cooling Capacity Tables

### ARNU073L1G4

Table 104: ARNU073L1G4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU073L1G4 / 7.5	-9.9	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	-5	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	0	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	5	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	10	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	14	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	20	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	23	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	25	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	30	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	35	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	40	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	45	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	50	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	55	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.7	6.2
	60	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.6	6.1
	65	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.4	6.0
	70	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.3	5.9
	75	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.9	6.2	9.1	5.8
	80	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.4	6.2	8.7	6.1	8.8	5.8
	85	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.3	6.2	8.4	5.9	8.6	5.5
	90	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.2	6.1	8.3	5.8	8.4	5.5
	95	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	8.0	6.0	8.2	5.7	8.3	5.4
	100	4.9	4.4	6.0	5.1	6.8	5.4	7.5	5.8	7.9	5.9	8.0	5.7	8.2	5.4
	105	4.9	4.4	5.7	4.9	6.4	5.2	7.2	5.5	7.5	5.5	7.7	5.5	7.9	5.2
	110	4.8	4.3	5.4	4.6	6.0	4.9	6.8	5.2	7.1	5.2	7.3	5.2	7.7	5.1
	115	4.7	4.2	5.1	4.4	5.6	4.6	6.3	5.0	6.6	5.0	7.0	5.0	7.4	4.9
	118	4.6	4.0	4.9	4.1	5.4	4.3	6.1	4.7	6.3	4.7	6.7	4.7	7.1	4.7
	122	4.5	3.9	4.6	3.9	5.1	4.0	5.8	4.5	6.0	4.5	6.3	4.5	6.8	4.5

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED LOW STATIC

## Cooling Capacity Tables

### ARNU093L1G4

Table 105: ARNU093L1G4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU093L1G4/ 9.6	-9.9	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	-5	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	0	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	5	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	10	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	14	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	20	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	23	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	25	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	30	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	35	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	40	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	45	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	50	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	55	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.4	7.6
	60	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.3	7.6
	65	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	12.1	7.5
	70	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	11.9	7.4
	75	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.4	7.6	11.6	7.2
	80	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.8	7.7	11.1	7.6	11.3	7.2
	85	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.6	7.6	10.8	7.3	11.0	6.9
	90	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.5	7.5	10.6	7.2	10.8	6.8
	95	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.3	7.5	10.5	7.1	10.6	6.7
	100	6.3	5.5	7.7	6.4	8.6	6.8	9.6	7.2	10.1	7.4	10.3	7.0	10.5	6.7
	105	6.3	5.5	7.3	6.0	8.2	6.5	9.2	6.9	9.6	6.9	9.9	6.8	10.2	6.5
	110	6.2	5.3	6.9	5.7	7.7	6.0	8.6	6.5	9.0	6.5	9.4	6.5	9.8	6.3
	115	6.0	5.2	6.6	5.4	7.2	5.7	8.1	6.1	8.5	6.1	8.9	6.1	9.4	6.1
	118	5.9	5.0	6.2	5.1	6.9	5.3	7.8	5.8	8.1	5.8	8.5	5.8	9.0	5.8
	122	5.7	4.9	5.9	4.9	6.5	5.0	7.4	5.5	7.7	5.5	8.1	5.5	8.7	5.5

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

Table 106: ARNU123L2G4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU123L2G4/ 12.3	-9.9	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	-5	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	0	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	5	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	10	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	14	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	20	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	23	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	25	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	30	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	35	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	40	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	45	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	50	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	55	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.9	9.5
	60	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.7	9.4
	65	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.5	9.3
	70	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	15.3	9.1
	75	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.7	9.5	14.9	8.9
	80	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.8	9.6	14.2	9.4	14.5	8.9
	85	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.6	9.5	13.8	9.0	14.0	8.5
	90	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.4	9.3	13.5	8.9	13.8	8.4
	95	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	13.2	9.3	13.4	8.8	13.6	8.3
	100	8.1	6.8	9.8	7.9	11.1	8.4	12.3	8.9	12.9	9.1	13.2	8.7	13.4	8.3
	105	8.1	6.8	9.3	7.5	10.6	8.0	11.8	8.5	12.3	8.5	12.7	8.4	13.0	8.1
	110	7.9	6.6	8.9	7.1	9.8	7.5	11.1	8.0	11.6	8.0	12.0	8.0	12.6	7.8
	115	7.7	6.4	8.4	6.7	9.2	7.0	10.4	7.6	10.9	7.6	11.4	7.6	12.1	7.5
	118	7.5	6.2	8.0	6.4	8.8	6.6	10.0	7.2	10.4	7.2	10.9	7.2	11.6	7.2
	122	7.3	6.0	7.6	6.0	8.3	6.2	9.4	6.9	9.8	6.9	10.3	6.9	11.1	6.9

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED LOW STATIC

## Cooling Capacity Tables

### ARNU153L2G4



Table 107: ARNU153L2G4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU153L2G4/ 15.4	-9.9	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	-5	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	0	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	5	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	10	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	14	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	20	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	23	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	25	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	30	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	35	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	40	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	45	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	50	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	55	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.9	12.0
	60	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.7	11.9
	65	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.4	11.7
	70	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	19.1	11.6
	75	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	18.4	12.0	18.6	11.3
	80	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.3	12.1	17.8	11.9	18.2	11.2
	85	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	17.1	12.0	17.3	11.4	17.6	10.8
	90	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	16.8	11.8	16.9	11.2	17.3	10.7
	95	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	16.5	11.7	16.8	11.2	17.1	10.5
	100	10.1	8.6	12.3	10.0	13.9	10.6	15.4	11.3	16.2	11.6	16.5	11.0	16.8	10.5
	105	10.1	8.6	11.7	9.5	13.2	10.2	14.8	10.8	15.4	10.8	15.8	10.7	16.3	10.2
	110	9.9	8.4	11.1	9.0	12.3	9.5	13.9	10.2	14.5	10.2	15.1	10.2	15.7	9.9
	115	9.6	8.1	10.5	8.5	11.6	8.9	13.0	9.7	13.6	9.7	14.3	9.7	15.1	9.5
	118	9.4	7.9	10.0	8.1	11.0	8.4	12.5	9.2	13.0	9.2	13.7	9.2	14.5	9.1
	122	9.1	7.6	9.5	7.7	10.4	7.9	11.8	8.7	12.3	8.7	12.9	8.7	13.9	8.7

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED LOW STATIC

## Cooling Capacity Tables

### ARNU183L2G4

Table 108: ARNU183L2G4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU183L2G4/ 19.1	-9.9	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	-5	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	0	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	5	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	10	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	14	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	20	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	23	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	25	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	30	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	35	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	40	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	45	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	50	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	55	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.7	14.9
	60	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.4	14.8
	65	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	24.0	14.6
	70	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	23.7	14.3
	75	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.8	14.9	23.1	14.0
	80	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.4	15.0	22.1	14.8	22.5	13.9
	85	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	21.2	14.9	21.4	14.2	21.8	13.4
	90	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	20.9	14.6	21.0	13.9	21.4	13.2
	95	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	20.5	14.6	20.9	13.8	21.2	13.1
	100	12.6	10.7	15.3	12.3	17.2	13.1	19.1	14.0	20.1	14.3	20.5	13.7	20.9	13.0
	105	12.6	10.7	14.5	11.7	16.4	12.6	18.3	13.4	19.0	13.4	19.7	13.2	20.2	12.7
	110	12.3	10.4	13.8	11.1	15.3	11.7	17.2	12.6	18.0	12.6	18.7	12.6	19.5	12.3
	115	12.0	10.1	13.1	10.5	14.4	11.0	16.2	12.0	16.9	12.0	17.8	12.0	18.7	11.8
	118	11.7	9.8	12.4	10.0	13.6	10.4	15.5	11.4	16.1	11.4	17.0	11.4	18.0	11.3
	122	11.3	9.5	11.8	9.5	12.9	9.7	14.7	10.8	15.3	10.8	16.0	10.8	17.2	10.8

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).  
Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.  
The System Combination Ratio must be between 50–130%.

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.  
Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).  
For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED LOW STATIC



## Cooling Capacity Tables

### ARNU243L3G4

Table 109: ARNU243L3G4 Cooling Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU243L3G4/ 24.2	-9.9	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	-5	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	0	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	5	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	10	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	14	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	20	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	23	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	25	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	30	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	35	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	40	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	45	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	50	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	55	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	31.0	19.4
	60	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	30.7	19.3
	65	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	30.2	19.0
	70	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	29.8	18.7
	75	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	28.6	19.4	29.0	18.3
	80	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.9	19.6	27.8	19.3	28.3	18.2
	85	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.6	19.4	26.9	18.5	27.4	17.5
	90	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	26.2	19.1	26.4	18.2	26.9	17.3
	95	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	25.7	19.0	26.2	18.1	26.6	17.1
	100	15.8	14.0	19.2	16.2	21.6	17.2	24.0	18.3	25.2	18.7	25.7	17.9	26.2	17.0
	105	15.8	14.0	18.2	15.3	20.6	16.5	23.0	17.5	23.9	17.5	24.7	17.3	25.4	16.6
	110	15.4	13.6	17.3	14.5	19.2	15.3	21.6	16.5	22.6	16.5	23.5	16.5	24.5	16.0
	115	15.0	13.2	16.4	13.8	18.0	14.4	20.3	15.6	21.2	15.6	22.3	15.6	23.5	15.4
	118	14.6	12.8	15.6	13.1	17.1	13.6	19.5	14.9	20.3	14.9	21.3	14.9	22.6	14.8
	122	14.3	12.4	14.8	12.4	16.2	12.7	18.4	14.1	19.2	14.1	20.2	14.1	21.7	14.1

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED LOW STATIC

## Heating Capacity Tables

### ARNU073L1G4

Table 110: ARNU073L1G4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh
ARNU073L1G4 / 7.5	-21.6	-22.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	-17.1	-17.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	-12.6	-13	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3
	-7	-7.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4
	-4	-4.4	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6
	0	-0.4	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8
	5	4.5	6.6	6.6	6.5	6.5	6.5	6.5	6.5	6.5
	10	9	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.8
	15	14	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.1
	20	19	7.7	7.7	7.7	7.7	7.6	7.6	7.4	7.4
	25	23	8.1	8.1	8.1	8.1	8.1	7.9	7.8	7.4
	30	28	8.3	8.3	8.3	8.3	8.3	8.1	7.8	7.4
	35	32	8.5	8.5	8.5	8.5	8.4	8.3	7.8	7.4
	40	36	8.8	8.8	8.8	8.8	8.5	8.3	7.8	7.4
	45	41	9.2	9.2	9.2	8.9	8.5	8.3	7.8	7.4
	47	43	9.5	9.4	9.4	8.9	8.5	8.3	7.8	7.4
	50	46	10.2	9.8	9.4	8.9	8.5	8.3	7.8	7.4
	55	51	10.4	9.9	9.4	8.9	8.5	8.3	7.8	7.4
	60	56	10.4	9.9	9.4	8.9	8.5	8.3	7.8	7.4

TC: Total Capacity (MBh).  
The System Combination Ratio must be between 50–130%.  
Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).  
For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# DUCTED LOW STATIC



## Heating Capacity Tables

### ARNU093L1G4

Table 111: ARNU093L1G4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
			MBh	MBh	MBh	MBh	MBh	MBh	MBh	MBh
ARNU093L1G4/ 9.6	-21.6	-22.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
	-17.1	-17.5	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.1
	-12.6	-13	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8
	-7	-7.6	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0
	-4	-4.4	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.2
	0	-0.4	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.4
	5	4.5	8.5	8.4	8.3	8.3	8.3	8.3	8.3	8.3
	10	9	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.7
	15	14	9.4	9.4	9.4	9.4	9.4	9.4	9.3	9.2
	20	19	9.9	9.9	9.9	9.9	9.7	9.7	9.5	9.4
	25	23	10.4	10.4	10.4	10.4	10.4	10.1	10.0	9.5
	30	28	10.6	10.6	10.6	10.6	10.6	10.4	10.0	9.5
	35	32	10.9	10.9	10.9	10.9	10.8	10.6	10.0	9.5
	40	36	11.3	11.3	11.3	11.3	10.9	10.6	10.0	9.5
	45	41	11.8	11.8	11.8	11.5	10.9	10.6	10.0	9.5
	47	43	12.2	12.1	12.0	11.5	10.9	10.6	10.0	9.5
	50	46	13.1	12.5	12.0	11.5	10.9	10.6	10.0	9.5
	55	51	13.4	12.6	12.0	11.5	10.9	10.6	10.0	9.5
	60	56	13.4	12.6	12.0	11.5	10.9	10.6	10.0	9.5

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED LOW STATIC

## Heating Capacity Tables

### ARNU123L2G4

Table 112: ARNU123L2G4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh
ARNU123L2G4/ 12.3	-21.6	-22.0	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8
	-17.1	-17.5	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.6
	-12.6	-13	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.5
	-7	-7.6	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.7
	-4	-4.4	9.1	9.1	9.1	9.1	9.0	9.0	9.0	9.0
	0	-0.4	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.3
	5	4.5	10.6	10.5	10.3	10.3	10.3	10.3	10.3	10.3
	10	9	11.0	11.0	11.0	10.9	10.9	10.9	10.9	10.9
	15	14	11.7	11.7	11.7	11.7	11.7	11.7	11.6	11.4
	20	19	12.4	12.4	12.4	12.4	12.1	12.1	11.9	11.8
	25	23	12.9	12.9	12.9	12.9	12.9	12.7	12.5	11.9
	30	28	13.2	13.2	13.2	13.2	13.2	12.9	12.5	11.9
	35	32	13.6	13.6	13.6	13.6	13.5	13.2	12.5	11.9
	40	36	14.1	14.1	14.1	14.1	13.6	13.2	12.5	11.9
	45	41	14.7	14.7	14.7	14.3	13.6	13.2	12.5	11.9
	47	43	15.2	15.1	15.0	14.3	13.6	13.2	12.5	11.9
	50	46	16.3	15.6	15.0	14.3	13.6	13.2	12.5	11.9
	55	51	16.7	15.8	15.0	14.3	13.6	13.2	12.5	11.9
	60	56	16.7	15.8	15.0	14.3	13.6	13.2	12.5	11.9

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED LOW STATIC

## Heating Capacity Tables

### ARNU153L2G4

Table 113: ARNU153L2G4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh
ARNU153L2G4/ 15.4	-21.6	-22.0	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.6
	-17.1	-17.5	9.7	9.7	9.7	9.7	9.6	9.6	9.6	9.6
	-12.6	-13	10.8	10.8	10.8	10.8	10.6	10.6	10.6	10.6
	-7	-7.6	11.1	11.1	11.1	11.1	10.9	10.9	10.9	10.9
	-4	-4.4	11.5	11.5	11.5	11.5	11.3	11.3	11.3	11.3
	0	-0.4	11.8	11.8	11.8	11.8	11.8	11.6	11.6	11.6
	5	4.5	13.3	13.2	13.0	13.0	13.0	13.0	13.0	13.0
	10	9	13.9	13.9	13.9	13.7	13.7	13.7	13.7	13.7
	15	14	14.7	14.7	14.7	14.7	14.7	14.7	14.5	14.4
	20	19	15.6	15.6	15.6	15.6	15.2	15.2	15.0	14.8
	25	23	16.3	16.3	16.3	16.3	16.3	15.9	15.7	15.0
	30	28	16.6	16.6	16.6	16.6	16.6	16.3	15.7	15.0
	35	32	17.1	17.1	17.1	17.1	16.9	16.6	15.7	15.0
	40	36	17.8	17.8	17.8	17.8	17.1	16.6	15.7	15.0
	45	41	18.5	18.5	18.5	18.0	17.1	16.6	15.7	15.0
	47	43	19.2	19.0	18.8	18.0	17.1	16.6	15.7	15.0
	50	46	20.5	19.7	18.8	18.0	17.1	16.6	15.7	15.0
	55	51	21.0	19.8	18.8	18.0	17.1	16.6	15.7	15.0
	60	56	21.0	19.8	18.8	18.0	17.1	16.6	15.7	15.0

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

Table 114: ARNU183L2G4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor air temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
			MBh	MBh	MBh	MBh	MBh	MBh	MBh	MBh
ARNU183L2G4/ 19.1	-21.6	-22.0	10.9	10.9	10.9	10.9	10.8	10.8	10.8	10.8
	-17.1	-17.5	12.2	12.2	12.2	12.2	12.1	12.1	12.1	12.1
	-12.6	-13	13.6	13.6	13.6	13.6	13.4	13.4	13.4	13.4
	-7	-7.6	14.0	14.0	14.0	14.0	13.8	13.8	13.8	13.8
	-4	-4.4	14.4	14.4	14.4	14.4	14.2	14.2	14.2	14.2
	0	-0.4	14.8	14.8	14.8	14.8	14.8	14.6	14.6	14.6
	5	4.5	16.8	16.6	16.3	16.3	16.3	16.3	16.3	16.3
	10	9	17.4	17.4	17.4	17.2	17.2	17.2	17.2	17.2
	15	14	18.5	18.5	18.5	18.5	18.5	18.5	18.3	18.1
	20	19	19.6	19.6	19.6	19.6	19.1	19.1	18.8	18.6
	25	23	20.4	20.4	20.4	20.4	20.4	20.0	19.8	18.8
	30	28	20.9	20.9	20.9	20.9	20.9	20.4	19.8	18.8
	35	32	21.5	21.5	21.5	21.5	21.3	20.9	19.8	18.8
	40	36	22.4	22.4	22.4	22.4	21.5	20.9	19.8	18.8
	45	41	23.2	23.2	23.2	22.6	21.5	20.9	19.8	18.8
	47	43	24.1	23.9	23.7	22.6	21.5	20.9	19.8	18.8
	50	46	25.8	24.7	23.7	22.6	21.5	20.9	19.8	18.8
	55	51	26.3	24.9	23.7	22.6	21.5	20.9	19.8	18.8
	60	56	26.3	24.9	23.7	22.6	21.5	20.9	19.8	18.8

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# DUCTED LOW STATIC

## Heating Capacity Tables

### ARNU243L3G4

Table 115: ARNU243L3G4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU243L3G4/ 24.2			MBh	MBh	MBh	MBh	MBh	MBh	MBh	MBh
	-21.6	-22.0	13.9	13.9	13.9	13.9	13.7	13.7	13.7	13.7
	-17.1	-17.5	15.5	15.5	15.5	15.5	15.3	15.3	15.3	15.3
	-12.6	-13	17.2	17.2	17.2	17.2	17.0	17.0	17.0	17.0
	-7	-7.6	17.8	17.8	17.8	17.8	17.5	17.5	17.5	17.5
	-4	-4.4	18.3	18.3	18.3	18.3	18.0	18.0	18.0	18.0
	0	-0.4	18.8	18.8	18.8	18.8	18.8	18.6	18.6	18.6
	5	4.5	21.3	21.0	20.8	20.8	20.8	20.8	20.8	20.8
	10	9	22.1	22.1	22.1	21.8	21.8	21.8	21.8	21.8
	15	14	23.5	23.5	23.5	23.5	23.5	23.5	23.2	22.9
	20	19	24.8	24.8	24.8	24.8	24.3	24.3	23.9	23.6
	25	23	25.9	25.9	25.9	25.9	25.9	25.4	25.1	23.9
	30	28	26.5	26.5	26.5	26.5	26.5	25.9	25.1	23.9
	35	32	27.3	27.3	27.3	27.3	27.0	26.5	25.1	23.9
	40	36	28.4	28.4	28.4	28.4	27.3	26.5	25.1	23.9
	45	41	29.5	29.5	29.5	28.7	27.3	26.5	25.1	23.9
	47	43	30.6	30.3	30.0	28.7	27.3	26.5	25.1	23.9
	50	46	32.8	31.4	30.0	28.7	27.3	26.5	25.1	23.9
	55	51	33.4	31.7	30.0	28.7	27.3	26.5	25.1	23.9
	60	56	33.4	31.7	30.0	28.7	27.3	26.5	25.1	23.9

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER



**Mechanical Specifications on page 154**

**General Data on page 156**

**Electrical Data on page 158**

**External Dimensions on page 159**

**Electrical Wiring Diagram on page 161**

**Refrigerant Flow Diagrams on page 165**

**External Static Pressure and Air Flow on page 166**

**External Static Pressure Ranges on page 167**

**Heater Capacity Airflow / Static Pressure Drop Factors on page 168**

**Acoustic Data on page 169**

**Capacity Tables on page 173**

**Optional Accessories on page 189**

# VERTICAL / HORIZONTAL AIR HANDLER



## Mechanical Specifications

### Casing

The unit is designed to operate in the vertical up flow configuration or horizontal left end supply air. Return air opening is on the bottom in the vertical position or right end in the horizontal position. Return air plenum sub-base is to be field-provided. The supply air connection is male flange. The unit case is made of 22-gauge coated metal and the external surfaces are finished with a high gloss baked enamel finish. Finish color is "morning fog" (medium beige). Cold surfaces are galvanized steel. The cold surfaces of the case are internally insulated with ½ inch foil faced, polystyrene fiber insulation. The inside surface of the fan assembly door access panel is treated with ½ inch polystyrene fiber insulation, encapsulated on both sides, and sealed along the edges with a reinforced foil-faced covering to prevent deterioration caused by panel removal. All access panels are provided with gasket seals to minimize air leakage. The unit case is designed to accept an internal, optional, LG electric strip heater. The unit bears the ETL label. Unit breaker, fuses, and / or disconnect are provided by others.

### Fan Assembly and Control

The indoor unit has an integral fan assembly consisting of a galvanized steel housing and a forward-curved fan wheel. The direct drive fan/motor assembly is mounted on rubber grommets isolating the rotating assembly from the fan housing. The fan motor is a Brushless Digitally-Controlled design (BLDC), having permanently lubricated and sealed ball bearings. The fan motor includes thermal, overcurrent and low RPM protection. The fan/motor assembly is mounted on vibration attenuating rubber grommets. The fan impeller is statically and dynamically balanced. Fan speed is controlled using a microprocessor-based direct digital control algorithm that provides a minimum of a high fan speed in cooling thermal ON and low fan speed in cooling thermal OFF, high fan speed in heating thermal ON and fan off in heating thermal OFF. The fan speeds can be field adjusted between low, medium, and high speeds and DIP switch settings will allow the fan to run constantly during defrost or oil return modes. Each setting can be field adjusted from the factory setting (RPM/ESP). The setting provides delivery of the high speed air volume against an external static pressure of up to 1.0 in-wg.

### Air Filter

The unit comes with a filter rack capable of accepting a field-provided 16" x 20" x 1" (NJ chassis) or 24" x 20" x 1" (NK chassis) filter cartridge. The filter rack is equipped with guides that keep the filter centered in the rack. Filter service access is from the front of the unit without removing the coil or fan area access panels. Filter access door is provided with thumb screws that can be removed.

### Optional Auxiliary Electric Heat Module(s)

LG optional electric heat modules are designed for field installation in the reheat position. The electric heat module is provided with heating elements, contractors, relays, high temperature safety switch, and interconnecting control wiring harness with a quick connect plug for easy connection to the air handler

control board. Auxiliary heat modules are available in nominal capacities of 3, 5, 8, 10, 15, and 20kW at 230/60/1. Heating elements are powered from a field provided separate power source. 5 and 10 kW modules are powered from a single power wire. The 15 and 20 kW modules are powered from two power wires. Heating module breakers, fuses, and / or disconnects are to be field provided.

### Electric Heat Module Controls

The electric heat module is capable of operating at full capacity during system defrost and oil return operations. When the air handler is operating in the Cooling, Dry, or Fan Only modes, the electric heater operation is locked out and unavailable. When the air handler is operating in the Heating mode, the heater is field selectable to operate when the room temperature is 2°F lower than set-point or manually if provided with a start/stop signal from a third-party outside source.

### Microprocessor Controls

The unit is equipped with an integrated microprocessor-based controller capable of performing functions necessary to operate the system without the use of a wall-mounted controller. A temperature thermistor is mounted in the return air stream. All unit operating parameters, excluding the operation schedule, are stored in non-volatile memory resident on the unit microprocessor. Operating schedules are stored in select models of the optional wall-mounted local or central controller. The field-supplied communication cable between the indoor unit(s) and outdoor unit is to be a minimum of 18 AWG, 2 conductor, stranded, and shielded (RS-485). The microprocessor control provides the following functions: auto addressing, self-diagnostics, auto restart following power restoration, and will operate the indoor unit using one of the following five operation modes:

1. Auto Changeover (Heat Recovery only)
2. Heating
3. Cooling
4. Dry
5. Fan Only

For Heat Recovery systems the Auto Changeover setting automatically switches control of the indoor unit between cooling and heating modes based on space temperature conditions.

For Heat Pump systems, heated or cooled air delivery is dependent upon outdoor unit operating mode.

In Heating mode, the microprocessor control does not begin fan operation until coil pipe temperature reaches 76°F. Significant airflow is generated when pipe temperature reaches 80°F. A field-selectable option maintains fan operation for 30 minutes following



cooling cycle operations.

1. Wall-mounted wire controller
2. Factory-mounted return air thermistor or the optional wall-mounted wired remote temperature sensor.

The microprocessor controls space temperature using the value provided by the temperature sensor sensing a space temperature that is farthest away from the temperature set-point. A single indoor unit has the capability of being controlled by up to two local wired controllers. The microprocessor control provides a cooling or heating mode test cycle that operates the unit for 18 minutes without regard to the space temperature. If the system is provided with an optional local or central controller, displayed diagnostic codes are specific and provide the service technician with the reason for the code displayed.

### Handling Condensate

The drain pan is designed to work with a gravity building drain system. If condensate lifts/pumps are needed, they are to be field-provided. A secondary drain port plug is provided allowing the pan to be drained for service. Condensate float safety switch connections are available on the main control board for connection of a field supplied float safety switch.

### Condensate Drain Pan

The condensate drain pan is constructed of HIPS (high impact polystyrene resin).

### Coil

The indoor unit coil is constructed with grooved design copper tubes with slit coil fins, 2 to 3 rows, 18 fins per inch.

### Controls Features

- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- External on / off control
- Dual thermistor control
- External static pressure control
- Group control
- Hot start
- Self diagnostics
- Timer (on / off)
- Weekly schedule
- Fan speed control
- Dual set-point control\*
- Filter life display\*
- Multiple auxiliary heater applications\*
- Wi-Fi compatible
- Auto fan
- Leak detection

*\*To enable Generation 4 features, outdoor unit DIP Switch No. 3 must be set to ON. Please refer to the Multi V IV, Multi V Water IV, Multi V S Engineering Manual for additional information.*



# VERTICAL / HORIZONTAL AIR HANDLER



## General Data

### NJ Frames

Table 116: Vertical / Horizontal (NJ Frame) Air Handler Unit General Data.

Model No.	ARNU123NJA4	ARNU183NJA4	ARNU243NJA4	ARNU303NJA4	ARNU363NJA4
<b>Cooling Mode Performance</b>					
Capacity (Btu/h)	12,000	18,000	24,000	30,000	36,000
Max Power Input <sup>1</sup> (W)	228	228	228	228	228
L/M/H Power Input at Factory Default (W)	47 / 64 / 80	64 / 80 / 90	64 / 96 / 120	94 / 133 / 180	133 / 180 / 230
<b>Heating Mode Performance</b>					
Capacity (Btu/h)	13,500	20,000	27,000	34,000	40,000
Max Power Input <sup>1</sup> (W)	228	228	228	228	228
L/M/H Power Input at Factory Default (W)	47 / 64 / 80	64 / 80 / 90	64 / 96 / 120	94 / 133 / 180	133 / 180 / 230
<b>Entering Mixed Air</b>					
Cooling Max. (°F WB)	76	76	76	76	76
Heating Min. (°F DB) <sup>2</sup>	59	59	59	59	59
<b>Unit Data</b>					
Refrigerant Type <sup>3</sup>	R410A	R410A	R410A	R410A	R410A
Refrigerant Control	EEV	EEV	EEV	EEV	EEV
Sound Pressure <sup>4</sup> dB(A) (H/M/L)	42 / 41 / 39	42 / 42 / 41	43 / 42 / 41	44 / 43 / 42	45 / 44 / 43
Net Unit Weight (lbs.)	117	117	117	117	121
Shipping Weight (lbs.)	140	140	140	140	144
Communication Cable <sup>5</sup> (No. x AWG)	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
<b>Fan</b>					
Type	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
Motor	1	1	1	1	1
Housing	1	1	1	1	1
Motor/Drive	Brushless Digitally Controlled / Direct				
Airflow Rate H/M/L (CFM) Standard Mode	530 / 480 / 380	580 / 530 / 480	710 / 640 / 480	880 / 800 / 630	990 / 880 / 800
Airflow Rate H/M/L (CFM) High Mode (Factory Set)	530 / 480 / 380	580 / 530 / 480	710 / 640 / 480	880 / 800 / 630	990 / 880 / 800
External Static Pressure (in. wg) Standard Mode	0.3	0.3	0.3	0.3	0.3
External Static Pressure (in. wg) High Mode (Factory Set)	0.5	0.5	0.5	0.5	0.5
<b>Piping</b>					
Liquid Line (in., O.D.)	1/4 Brazed	1/4 Brazed	3/8 Brazed	3/8 Brazed	3/8 Brazed
Vapor Line (in., O.D.)	1/2 Brazed	1/2 Brazed	5/8 Brazed	5/8 Brazed	5/8 Brazed
Condensate Line (in., I.D.)	1	1	1	1	1

EEV: Electronic Expansion Valve

Power wiring is field supplied and must comply with the applicable local and national codes.

This unit comes with a dry nitrogen charge.

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).

<sup>1</sup>Max power input is rated at maximum setting value.

<sup>2</sup>Low ambient performance with LGRED<sup>®</sup> heat technology is included in Multi V 5 Air Source Units produced after February 2019.

<sup>3</sup>Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

<sup>4</sup>Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

<sup>5</sup>All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national codes. Ensure the communication cable is properly grounded at the master outdoor unit only. ⚡ Do not ground the ODU-IDU communication cable at any other point.

Table 117: Vertical / Horizontal (NK Frame) Air Handler Unit General Data.

Model No.	ARNU423NKA4	ARNU483NKA4	ARNU543NKA4
<b>Cooling Mode Performance</b>			
Capacity (Btu/h)	42,000	48,000	54,000
Max Power Input <sup>1</sup> (W)	366	366	366
L/M/H Power Input at Factory Default (W)	186 / 215 / 260	186 / 264 / 330	264 / 312 / 370
<b>Heating Mode Performance</b>			
Capacity (Btu/h)	46,000	54,000	60,000
Max Power Input <sup>1</sup> (W)	366	366	366
L/M/H Power Input at Factory Default (W)	186 / 215 / 260	186 / 264 / 330	264 / 312 / 370
<b>Entering Mixed Air</b>			
Cooling Max. (°F WB)	76	76	76
Heating Min. (°F DB) <sup>2</sup>	59	59	59
<b>Unit Data</b>			
Refrigerant Type <sup>3</sup>	R410A	R410A	R410A
Refrigerant Control	EEV	EEV	EEV
Sound Pressure <sup>4</sup> dB(A) (H/M/L)	46 / 44 / 41	49 / 47 / 41	50 / 49 / 47
Net Unit Weight (lbs.)	165	165	165
Shipping Weight (lbs.)	181	181	181
Communication Cable <sup>5</sup> (No. x AWG)	2 x 18	2 x 18	2 x 18
<b>Fan</b>			
Type	Sirocco	Sirocco	Sirocco
Motor	1	1	1
Housing	1	1	1
Motor/Drive	Brushless Digitally Controlled / Direct		
Airflow Rate H/M/L (CFM) Standard Mode	1,250 / 1,100 / 1,000	1,400 / 1,260 / 1,000	1,475 / 1,400 / 1,260
Airflow Rate H/M/L (CFM) High Mode (Factory Set)	1,250 / 1,100 / 1,000	1,400 / 1,260 / 1,000	1,475 / 1,400 / 1,260
External Static Pressure (in. wg) Standard Mode	0.3	0.3	0.3
External Static Pressure (in. wg) High Mode (Factory Set)	0.5	0.5	0.5
<b>Piping</b>			
Liquid Line (in., O.D.)	3/8 Brazed	3/8 Brazed	3/8 Brazed
Vapor Line (in., O.D.)	5/8 Brazed	5/8 Brazed	5/8 Brazed
Condensate Line (in., I.D.)	1	1	1

EEV: Electronic Expansion Valve

Power wiring is field supplied and must comply with the applicable local and national codes.

This unit comes with a dry nitrogen charge.

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

<sup>1</sup>Max power input is rated at maximum setting value.

<sup>2</sup>Low ambient performance with LGRED<sup>®</sup> heat technology is included in Multi V 5 Air Source Units produced after February 2019.

<sup>3</sup>Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

<sup>4</sup>Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

<sup>5</sup>All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national codes. Ensure the communication cable is properly grounded at the master outdoor unit only. Ⓢ Do not ground the ODU-IDU communication cable at any other point.

# VERTICAL / HORIZONTAL AIR HANDLER



## Electrical Data

Table 118: Vertical / Horizontal (NJ, NK Frames) Air Handler Unit Electrical Data.

Model	Voltage Range	MCA	MOP	Rated Amps (A)	Power Supply			Power Input <sup>1</sup> (W)		
					Hz	Volts	Phase	Max. Cooling	Max. Heating	L / M / H at Factory Default
NJ Frames										
ARNU123NJA4	208-230	1.4	15	1.12	60	208-230	1	228	228	47 / 64 / 80
ARNU183NJA4		1.4		1.12				228	228	64 / 80 / 90
ARNU243NJA4		1.4		1.12				228	228	64 / 96 / 120
ARNU303NJA4		1.4		1.12				228	228	94 / 133 / 180
ARNU363NJA4		1.4		1.12				228	228	133 / 180 / 230
NK Frames										
ARNU423NKA4	208-230	2.25	15	1.8	60	208-230	1	366	366	186 / 215 / 260
ARNU483NKA4		2.25		1.8				366	366	186 / 264 / 330
ARNU543NKA4		2.25		1.8				366	366	264 / 312 / 370

MCA : Minimum Circuit Ampacity.

MOP : Maximum Overcurrent Protection.

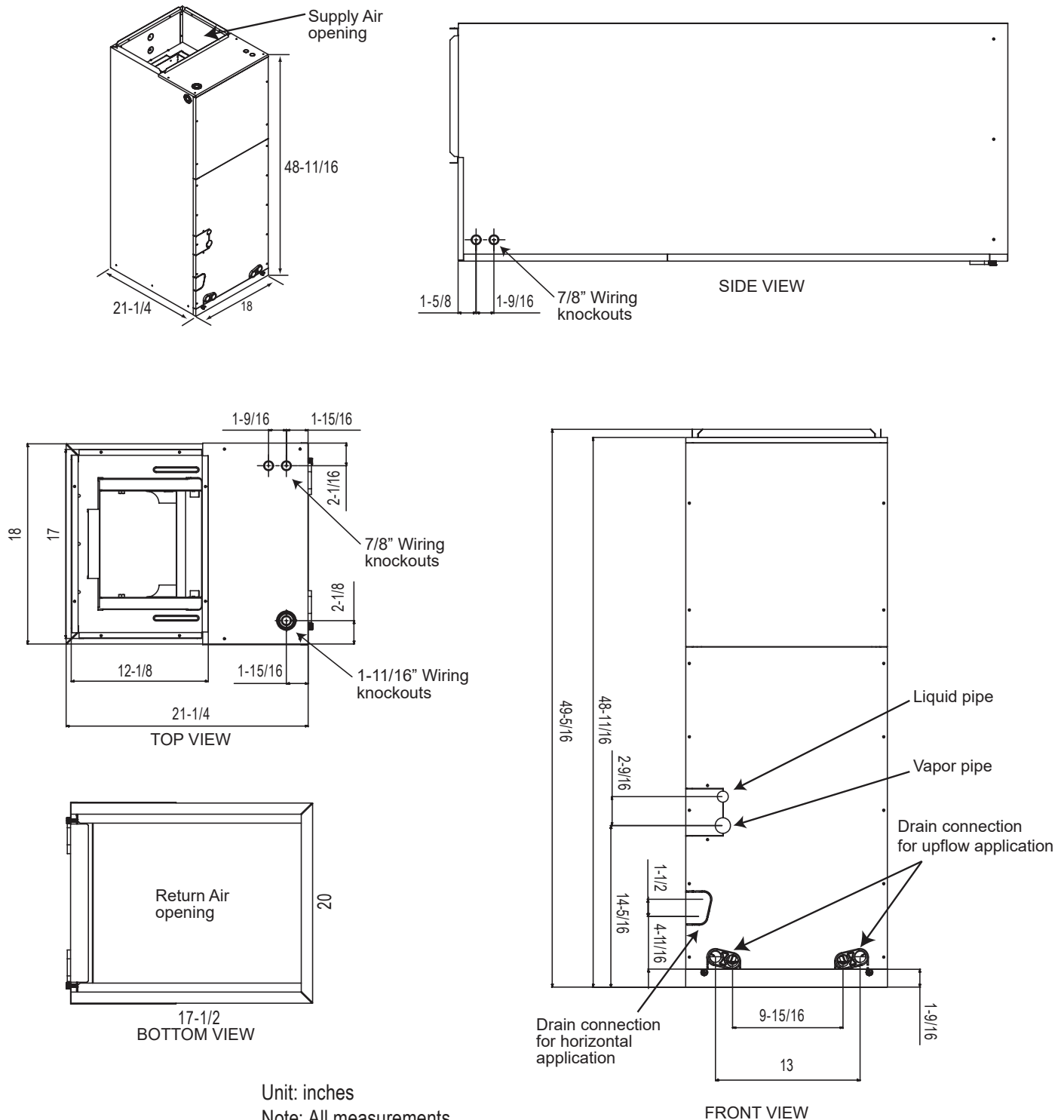
Units are suitable for use on an electrical system where voltage supplied to unit terminals is within the listed range limits.

Select wire size based on the larger MCA value.

Instead of fuse, use the circuit breaker.

<sup>1</sup>Max. power input is rated at maximum setting value.

Figure 38: ARNU123~363NJA4 Dimensions.



Unit: inches  
 Note: All measurements  
 have a tolerance of  $\pm\frac{1}{4}$  in.

# VERTICAL / HORIZONTAL AIR HANDLER



External Dimensions  
NK Frame

Figure 39: ARNU423~543NKA4 Dimensions.

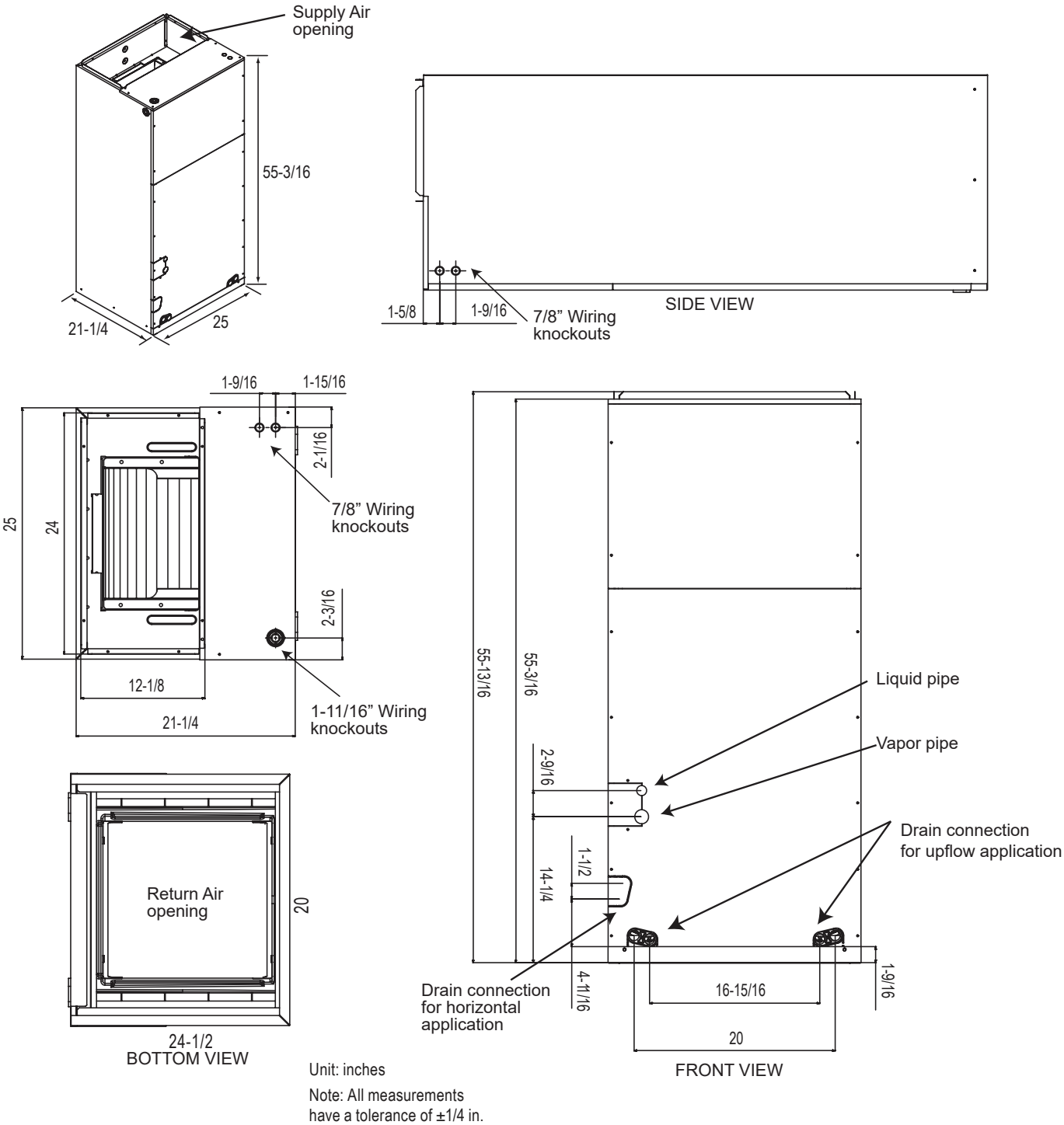
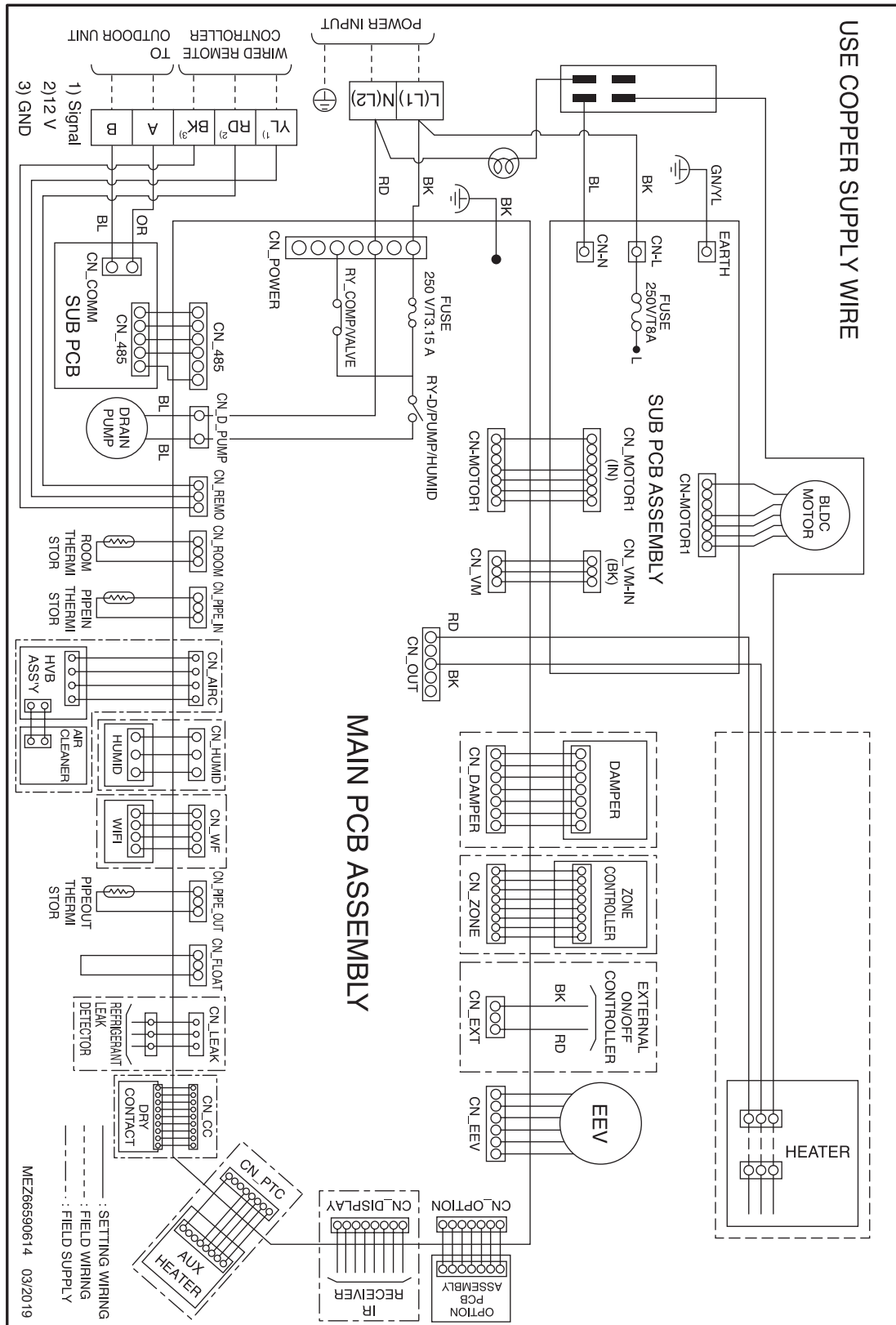


Figure 40: ARNU123~363NJA4 Wiring Diagram.



# VERTICAL / HORIZONTAL AIR HANDLER



## Electrical Wiring Diagram

### NJ Frame

Table 119: NJ Frame Wiring Diagram Legend.

Terminal	Purpose	Function
CN-POWER	AC Power supply	AC Power line
CN-MOTOR1	Fan motor output	Motor output of BLDC
CN-VM	Sub PC power supply	Power supply connection
CN_OUT	Heater	Connection for heater
CN-DAMPER	N / A	N / A
CN-ZONE	Zone controller	Zone controller connection
CN-EXT	External ON / OFF controller	External ON / OFF controller connection
CN-EEV	EEV Output	EEV control output
CN-OPTION	Optional PCB EPROM	Option PCB connection
CN-DISPLAY	Display	Display of indoor status
CN-PTC	Auxiliary heater	Auxiliary heater connection
CN-CC	Dry contact	Dry Contact connection
CN-LEAK	Refrigerant leak detector	Refrigerant leak detector connection
CN-FLOAT	Float switch input	Float switch sensing
CN-PIPE-OUT	Discharge pipe sensor	Pipe out thermistor
CN-WF	Wi-Fi	Wi-Fi module connection
CN-HUMID	N / A	N / A
CN-AIRC	N / A	N / A
CN-PIPE-IN	Suction pipe sensor	Pipe in thermistor
CN-ROOM	Room sensor	Room air thermistor
CN-REMO	Wired remote controller	Wired remote control connection
CN-D-PUMP	Drain pump output	AC output for drain pump
CN-485	Communication	Connection between indoor and outdoor units

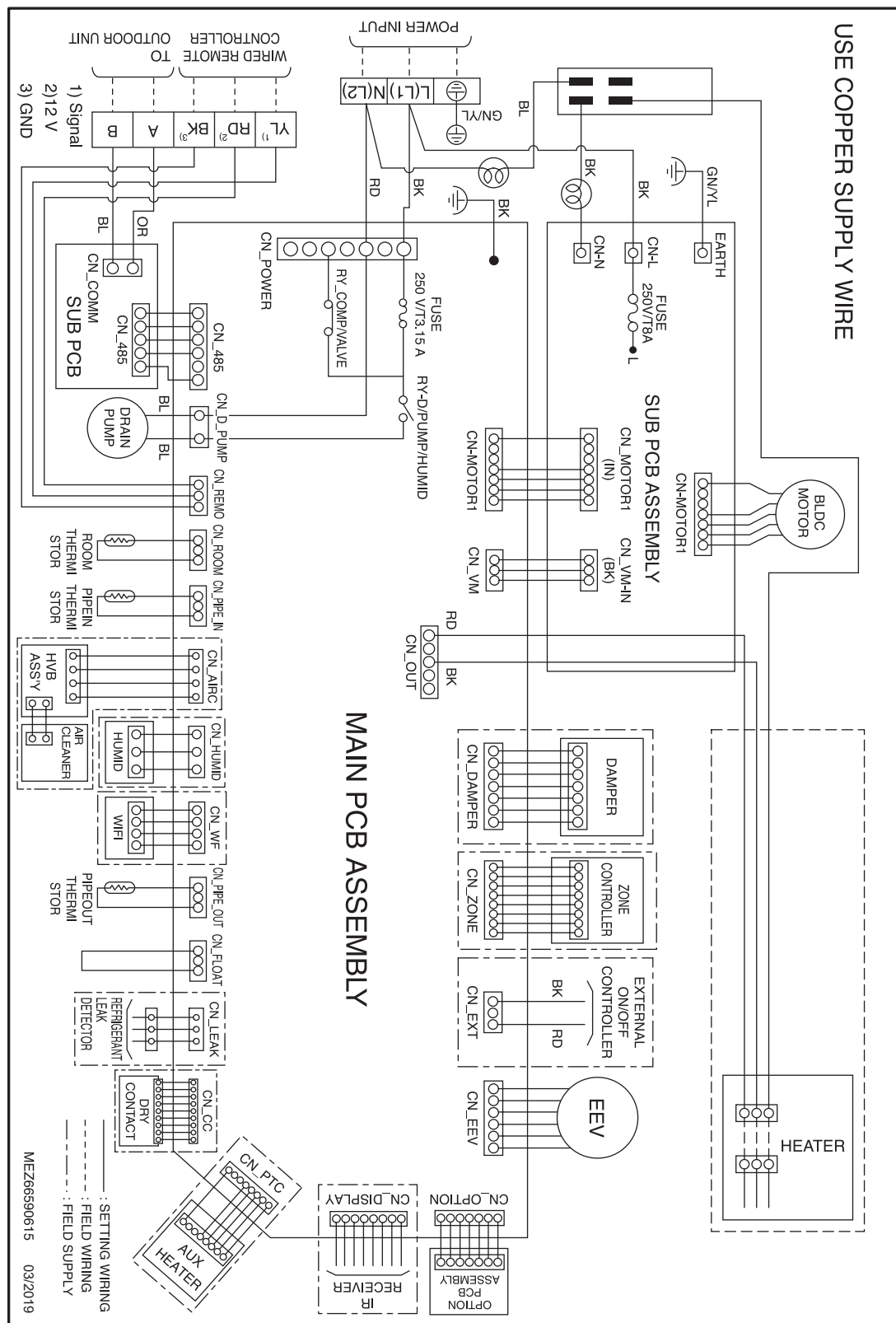
Table 120: NJ Frame DIP Switch Settings.

DIP Switch Setting		Off	On	Remarks
SW3	GROUP CONTROL	Master	Slave	Group control setting using 7-Day Programmable Controller; selects Master / Slave on each indoor unit
SW4	DRY CONTACT MODE	Variable	Auto	Sets operation mode for optional Dry Contact accessory 1. Variable: Auto or Manual Mode can be set through 7-Day Programmable Controller or Wireless Remote Controller (factory default setting is Auto if there is no setting) 2. Auto: For Dry Contact, it is always Auto mode
SW5	CONTINUOUS FAN	Off	On	Selects continuous fan for ducted indoor units. 1. On: Indoor unit fan will always operate at a set fan speed, except when the system is off, or the outdoor unit is in defrost mode (when the outdoor unit is in defrost mode, the fan will operate at super low fan speed) 2. Off: Indoor unit fan speed can be changed by on / off
SW6	HEATER INTERLOCK	Off	On	Selects heater interlock function for vertical air handler units 1. On: Automatic (heater will automatically operate during heating mode) 2. Off: Manual (heater needs to be manually turned on during heating mode)

**\*For Gen 4 Multi V vertical air handler indoor units, DIP switches 1, 2, 7 and 8 must be set to OFF. These DIP switches are used for other models.**

**\*\*To enable Generation 4 features, outdoor unit DIP Switch No. 3 must be set to ON. Please refer to the Multi V IV, Multi V Water IV Engineering Manual for additional information.**

Figure 41: ARNU423~543NKA4 Wiring Diagram.





# VERTICAL / HORIZONTAL AIR HANDLER



## Electrical Wiring Diagram

### NK Frame

Table 121: NK Frame Wiring Diagram Legend.

Terminal	Purpose	Function
CN-POWER	AC Power supply	AC Power line
CN-MOTOR1	Fan motor output	Motor output of BLDC
CN-VM	Sub PC power supply	Power supply connection
CN_OUT	Heater	Connection for heater
CN-DAMPER	N / A	N / A
CN-ZONE	Zone controller	Zone controller connection
CN-EXT	External ON / OFF controller	External ON / OFF controller connection
CN-EEV	EEV Output	EEV control output
CN-OPTION	Optional PCB EPROM	Option PCB connection
CN-DISPLAY	Display	Display of indoor status
CN-PTC	Auxiliary heater	Auxiliary heater connection
CN-CC	Dry contact	Dry Contact connection
CN-LEAK	Refrigerant leak detector	Refrigerant leak detector connection
CN-FLOAT	Float switch input	Float switch sensing
CN-PIPE-OUT	Discharge pipe sensor	Pipe out thermistor
CN-WF	Wi-Fi	Wi-Fi module connection
CN-HUMID	N / A	N / A
CN-AIRC	N / A	N / A
CN-PIPE-IN	Suction pipe sensor	Pipe in thermistor
CN-ROOM	Room sensor	Room air thermistor
CN-REMO	Wired remote controller	Wired remote control connection
CN-D-PUMP	Drain pump output	AC output for drain pump
CN-485	Communication	Connection between indoor and outdoor units

Table 122: NK Frame DIP Switch Settings.

DIP Switch Setting		Off	On	Remarks
SW3	GROUP CONTROL	Master	Slave	Group control setting using 7-Day Programmable Controller; selects Master / Slave on each indoor unit
SW4	DRY CONTACT MODE	Variable	Auto	Sets operation mode for optional Dry Contact accessory 1. Variable: Auto or Manual Mode can be set through 7-Day Programmable Controller or Wireless Remote Controller (factory default setting is Auto if there is no setting) 2. Auto: For Dry Contact, it is always Auto mode
SW5	CONTINUOUS FAN	Off	On	Selects continuous fan for ducted indoor units. 1. On: Indoor unit fan will always operate at a set fan speed, except when the system is off, or the outdoor unit is in defrost mode (when the outdoor unit is in defrost mode, the fan will operate at super low fan speed) 2. Off: Indoor unit fan speed can be changed by on / off
SW6	HEATER INTERLOCK	Off	On	Selects heater interlock function for vertical air handler units 1. On: Automatic (heater will automatically operate during heating mode) 2. Off: Manual (heater needs to be manually turned on during heating mode)

**\*For Gen 4 Multi V vertical air handler indoor units, DIP switches 1, 2, 7 and 8 must be set to OFF. These DIP switches are used for other models.**

**\*\*To enable Generation 4 features, outdoor unit DIP Switch No. 3 must be set to ON. Please refer to the Multi V IV, Multi V Water IV Engineering Manual for additional information.**

Figure 42: NJ, NK Frame Refrigerant Flow Diagram.

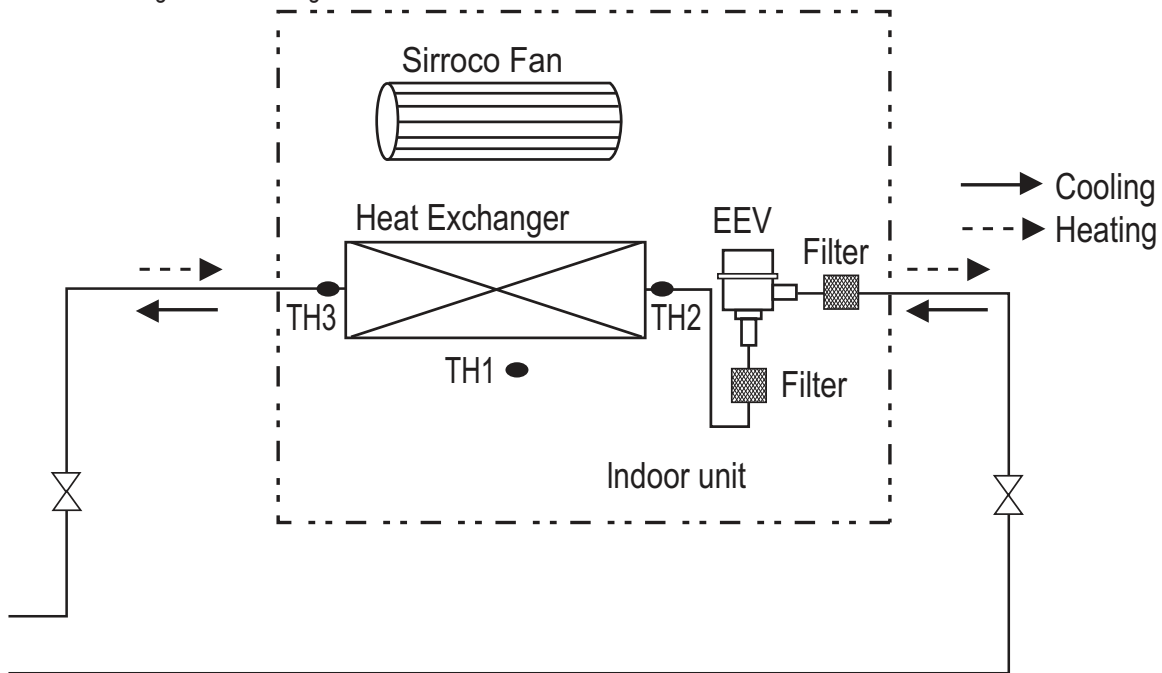


Table 123: NJ, NK Frame Refrigerant Pipe Connection Port Diameters.

Model	Liquid (inch)	Vapor (inch)
NJ Frames		
ARNU123NJA4	1/4 Brazed	1/2 Brazed
ARNU183NJA4		
ARNU243NJA4	3/8 Brazed	5/8 Brazed
ARNU303NJA4		
ARNU363NJA4		
NK Frames		
ARNU423NKA4	3/8 Brazed	5/8 Brazed
ARNU483NKA4		
ARNU543NKA4		

Table 124: NJ, NK Frame Thermistors.

Thermistor	Description
TH1	Return air thermistor
TH2	Pipe in thermistor
TH3	Pipe out thermistor

# VERTICAL / HORIZONTAL AIR HANDLER



## External Static Pressure and Air Flow NJ, NK Frames

Figure 43: NJ Frame External Static Pressure and Air Flow Chart.

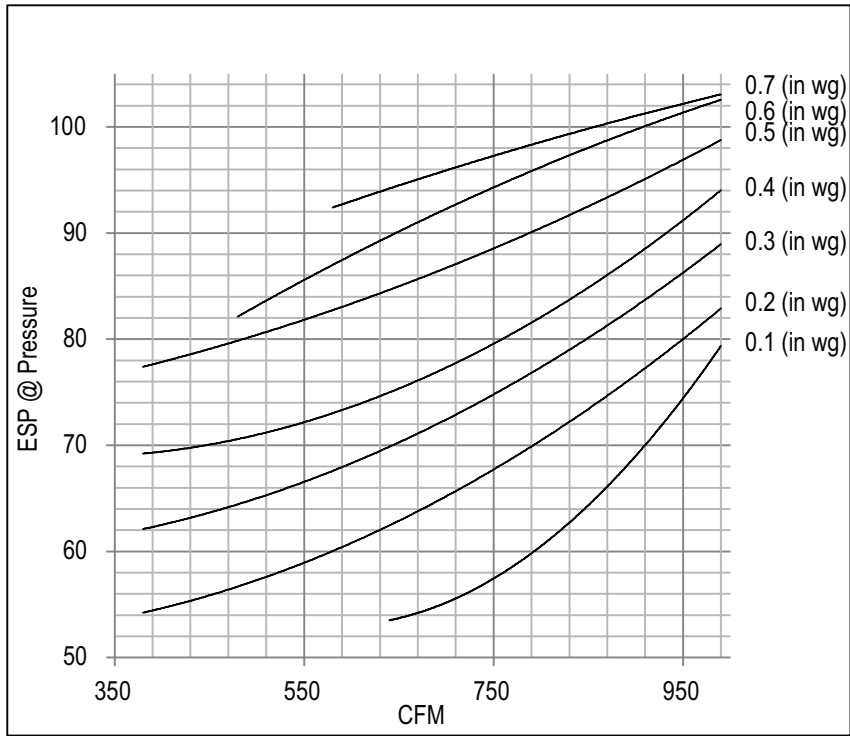


Figure 44: NK Frame External Static Pressure and Air Flow Chart.

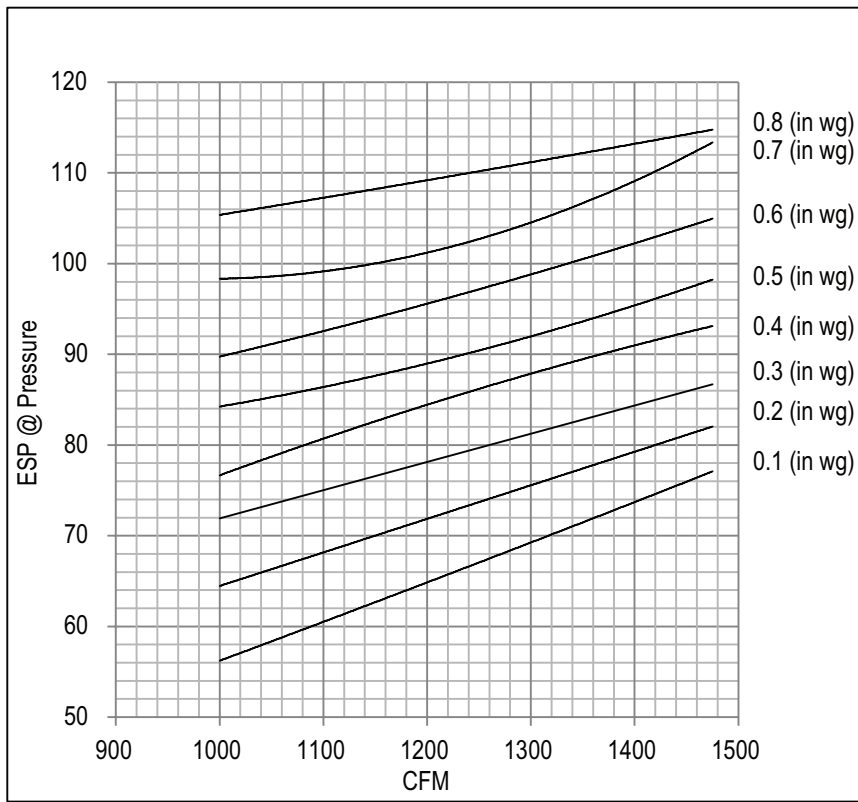


Table 125: NJ Frame External Static Pressure and Air Flow Table.

Model No. / Capacity (MBh)	Flow Rate		Static Pressure (in. WG)									
	Mode	CFM	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
ARNU123NJA / 12	High	530	**53	58	66	72	82	84	92	*92	*92	*92
	Mid	480	**53	56	64	70	79	83	92	*92	*92	*92
	Low	380	**53	54	62	69	77	83	92	*92	*92	*92
ARNU183NJA4 / 18	High	580	**53	60	68	74	84	85	95	*95	*95	*95
	Mid	530	**53	58	66	72	82	84	92	*92	*92	*92
	Low	480	**53	55	64	70	79	83	92	*92	*92	*92
ARNU243NJA4 / 24	High	710	56	67	74	78	87	94	98	*98	*98	*98
	Mid	640	53	65	70	75	85	91	96	*96	*96	*96
	Low	480	**53	55	64	70	79	84	92	*92	*92	*92
ARNU303NJA4 / 30	High	880	65	72	80	85	92	98	103	*103	*103	*103
	Mid	800	62	69	77	82	90	96	101	*101	*101	*101
	Low	640	53	65	70	75	85	91	96	*96	*96	*96
ARNU363NJA4 / 36	High	990	80	85	90	95	100	103	*103	*103	*103	*103
	Mid	880	65	72	80	85	92	98	103	*103	*103	*103
	Low	800	62	69	77	82	90	96	101	*101	*101	*101

Table 126: NK Frame External Static Pressure and Air Flow Table.

Model No. / Capacity (MBh)	Flow Rate		Static Pressure (in. WG)									
	Mode	CFM	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
ARNU423NKA4 / 42	High	1,260	67	75	80	87	90	98	102	110	*115	*115
	Mid	1,100	61	67	75	80	87	92	100	108	110	115
	Low	1,000	56	65	72	77	84	90	98	105	108	115
ARNU483NKA4 / 48	High	1,400	74	79	84	91	96	102	110	115	*115	*115
	Mid	1,260	67	75	80	87	90	98	102	110	115	*115
	Low	1,000	56	65	72	77	84	90	98	105	108	115
ARNU543NKA4 / 54	High	1,475	77	82	87	93	98	105	113	115	*115	*115
	Mid	1,400	74	79	84	91	96	102	110	113	*115	*115
	Low	1,260	67	75	80	87	90	98	102	110	115	*115

\* Flow rate (CFM) decreases by 3% per 0.1 in. WG.

\*\* Fan external static pressure is at minimum value.

Minimum airflow rates are listed in CFM.

If the flow rate (CFM) is increased by 400 CFM/ton from 1.5 tons to 2.5 tons of capacity, then ESP value must be increased by 4.

If the flow rate (CFM) is increased by 400 CFM/ton from 3.0 tons to 4.5 tons of capacity, then The ESP value must be increased by 5.

Factory Default is high static pressure.

High static pressure is 0.5 in wg.

Low static pressure is 0.3 in wg.

### Note:

If the ESP is set incorrectly, the air conditioning may malfunction.

# VERTICAL / HORIZONTAL AIR HANDLER



## Heater Capacity Airflow / Static Pressure Drop Factors

Table 127: Minimum Airflow by Heater Capacity.

Capacity (MBh [tons])	Heater Capacity (kW)					
	3	5	8	10	15	20
12 (1.0)	380	380	380	Not available	Not available	Not available
18 (1.5)	480	480	480	480	Not available	Not available
24 (2.0)	480	480	480	480	Not available	Not available
30 (2.5)	630	630	630	630	Not available	Not available
36 (3.0)	800	800	800	800	800	800
42 (3.5)	1,000	1,000	1,000	1,000	1,000	1,000
48 (4.0)	1,000	1,000	1,000	1,000	1,000	1,000
54 (4.5)	1,260	1,260	1,260	1,260	1,260	1,260

Airflow rates in the table above are listed in CFM.

Flow rate (CFM) is decreased by 3% per 0.1 in wg from 0.8 in wg to 1.0 in wg.

### **⚠ WARNING**

*Do not operate with less than the minimum airflow. If an airflow is used below the minimum, there is a risk of fire, which may lead to physical injury or death.*

### **Note:**

*Do not operate with less than the minimum airflow. If an airflow is used below the minimum, there is a risk of damage to the product.*

Table 128: Electric Heater Static Pressure Drop Factors.

Heater Capacity (kW)	Static Pressure Drop (in. wg)
0	0
3	-0.01
5	-0.01
8	-0.02
10	-0.02
15	-0.04
20	-0.06

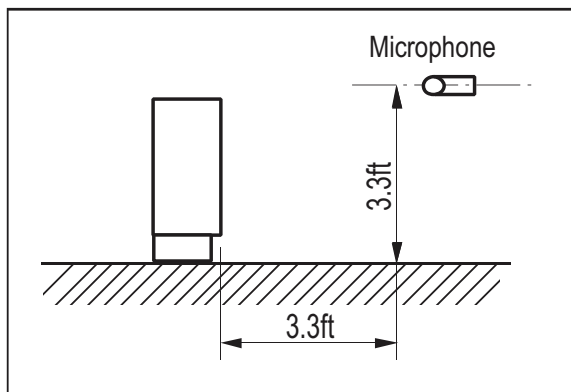
in wg = inch water gauge

If the electric heater has been installed, then the ESP value has to be set.

For every increase in static pressure by 0.01 in wg, the ESP value must be increased by 1.

If the ESP setting value is inappropriate, the provided safety device will turn the heater off according to the airflow.

Figure 45: Sound Pressure Measurement Location.



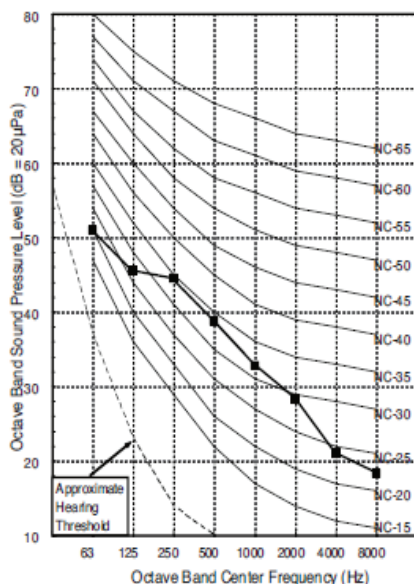
- Measurements are taken 3.3 ft away from the front of the unit.
  - Sound pressure levels are measured in dB(A) with a tolerance of  $\pm 3$ .
  - Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
- Operating Conditions:
- Power source: 220V/60 Hz
  - Sound level will vary depending on a range of factors including the construction (acoustic absorption coefficient) of a particular room in which the unit was installed.

Table 129: Vertical / Horizontal Air Handler Unit Sound Pressure Levels.

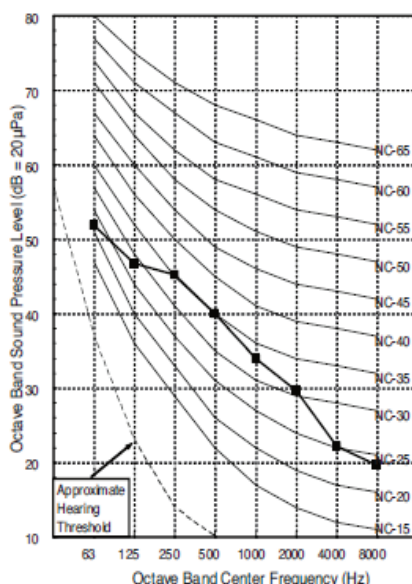
Model	Sound Pressure Levels dB(A)		
	High Fan Speed	Medium Fan Speed	Low Fan Speed
<b>NJ Frames</b>			
ARNU123NJA4	42	41	39
ARNU183NJA4	42	42	41
ARNU243NJA4	43	42	41
ARNU303NJA4	44	43	42
ARNU363NJA4	45	44	43
<b>NK Frames</b>			
ARNU423NKA4	46	44	41
ARNU483NKA4	49	47	41
ARNU543NKA4	50	49	47

Figure 46: ARNU123NJA4, ARNU183NJA4, and ARNU243NJA4 Sound Pressure Level Diagrams.

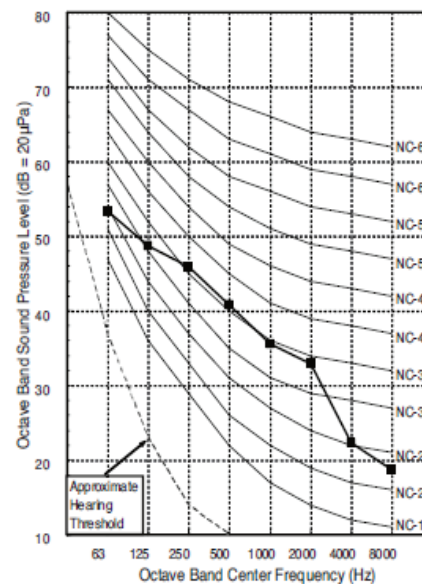
ARNU123NJA4



ARNU183NJA4



ARNU243NJA4





# VERTICAL / HORIZONTAL AIR HANDLER



## Acoustic Data Sound Pressure Levels

Figure 47: ARNU303NJA4, ARNU363NJA4, and ARNU423NKA4 Sound Pressure Level Diagrams.

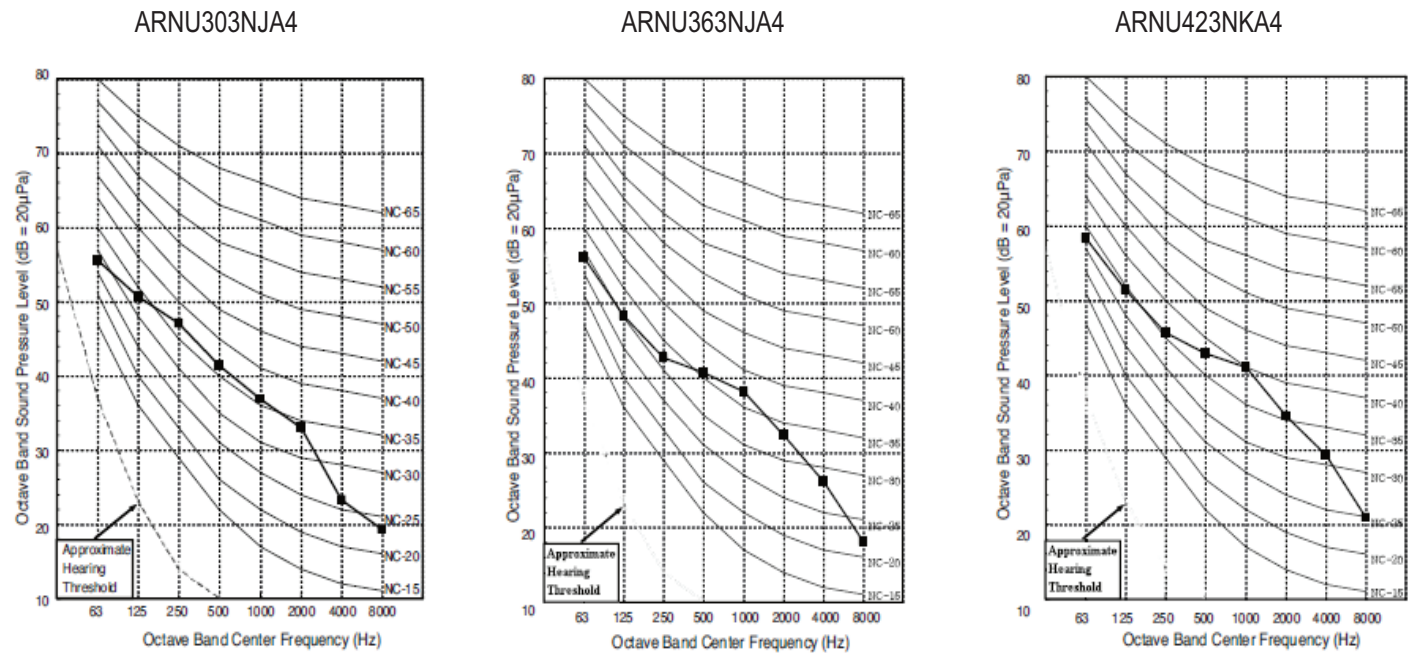
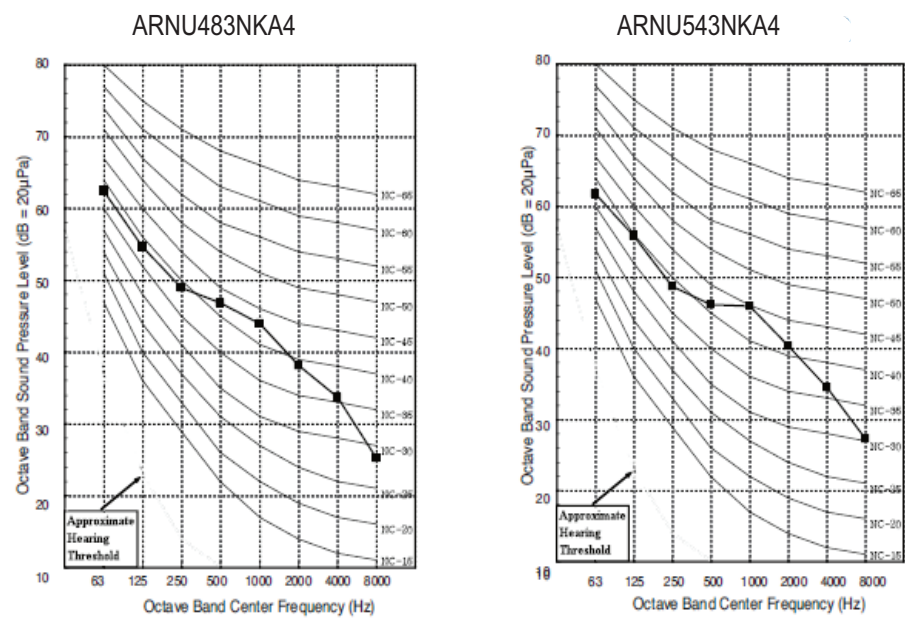


Figure 48: ARNU483NKA4 and ARNU543NKA4 Sound Pressure Level Diagrams.



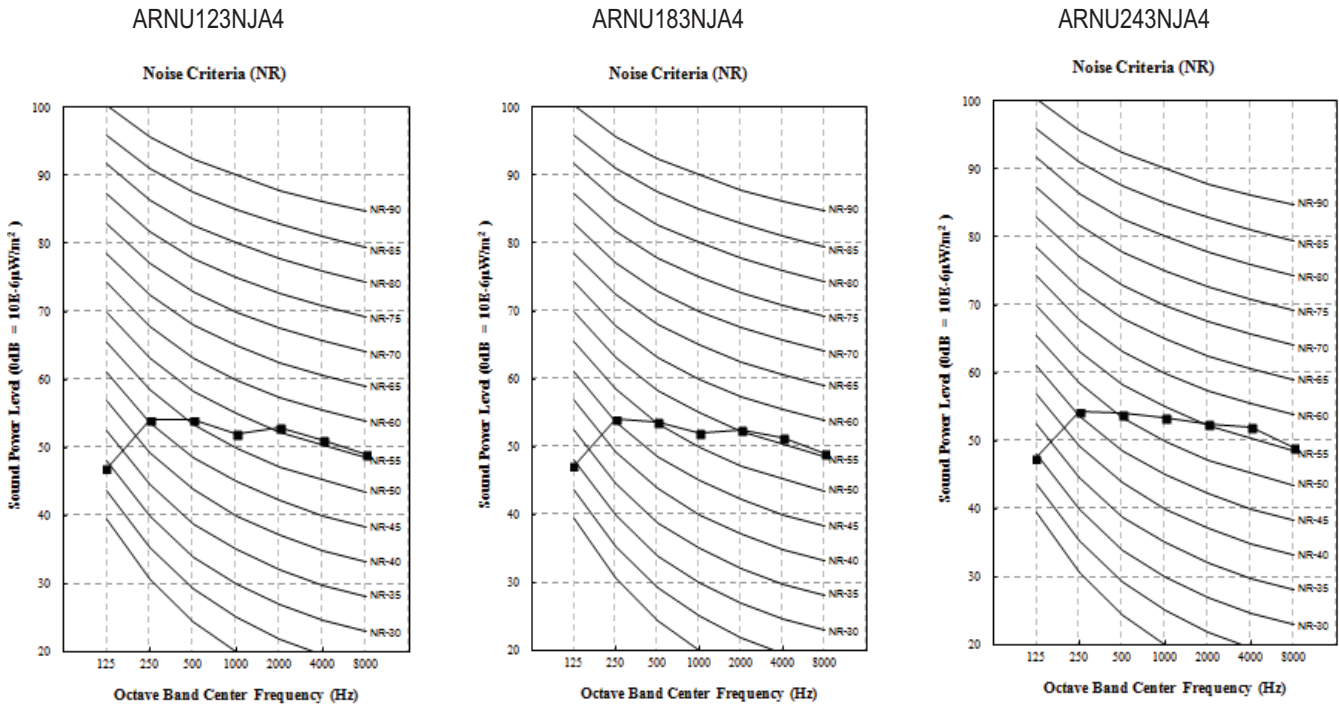
## Sound Power Levels

Table 130: Vertical / Horizontal Air Handler Unit Sound Power Levels.

Model	Sound Power Levels dB(A)
	High Fan Speed
<b>NJ Frames</b>	
ARNU123NJA4	59
ARNU183NJA4	59
ARNU243NJA4	60
ARNU303NJA4	60
ARNU363NJA4	61
<b>NK Frames</b>	
ARNU423NKA4	61
ARNU483NKA4	62
ARNU543NKA4	63

- Data is valid under diffuse field conditions.
- Data is valid under nominal operating conditions.
- Sound power level is measured using rated conditions, and tested in a reverberation room per ISO 3741 standards.
- Sound level will vary depending on a range of factors such as construction (acoustic absorption coefficient) of particular area in which the equipment is installed.
- Reference acoustic intensity: 0dB = 10E-6μW/m²

Figure 49: ARNU123NJA4, ARNU183NJA4, and ARNU243NJA4 Sound Power Level Diagrams.





# VERTICAL / HORIZONTAL AIR HANDLER

Acoustic Data

Sound Power Levels

Figure 50: ARNU303NJA4, ARNU363NJA4, and ARNU423NKA4 Sound Power Level Diagrams.

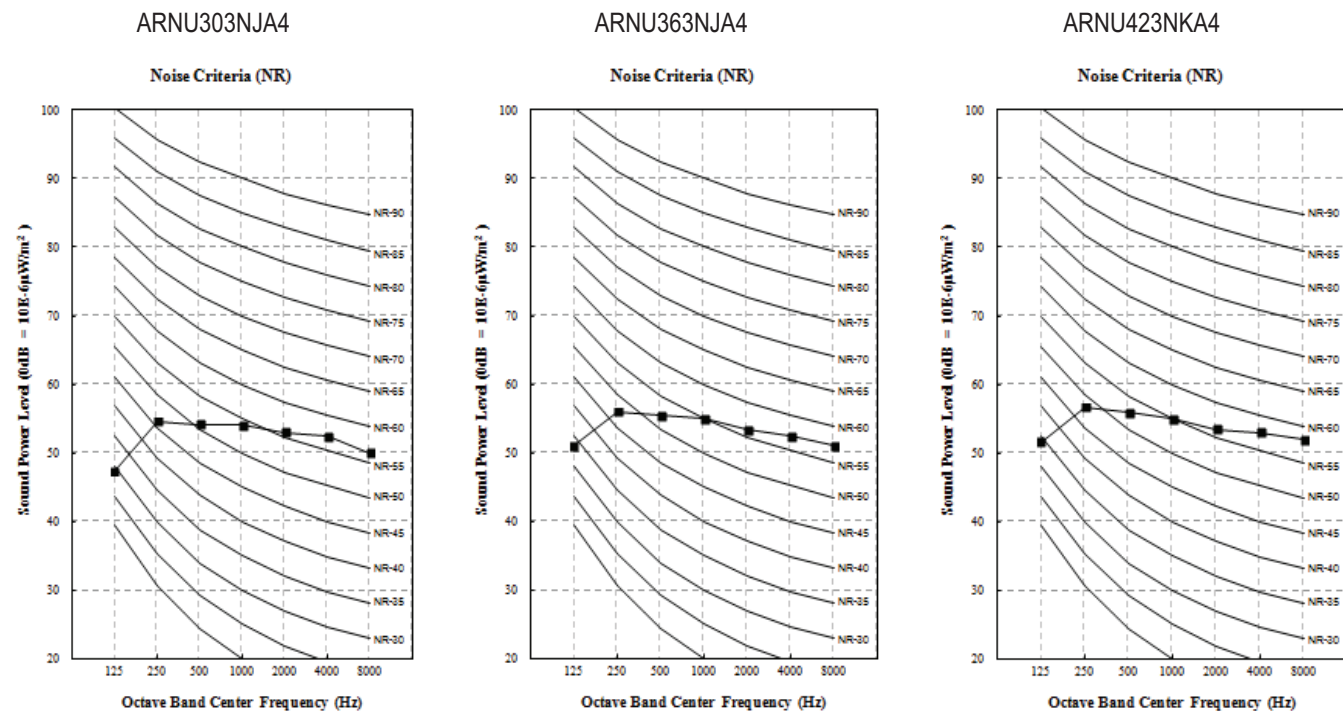
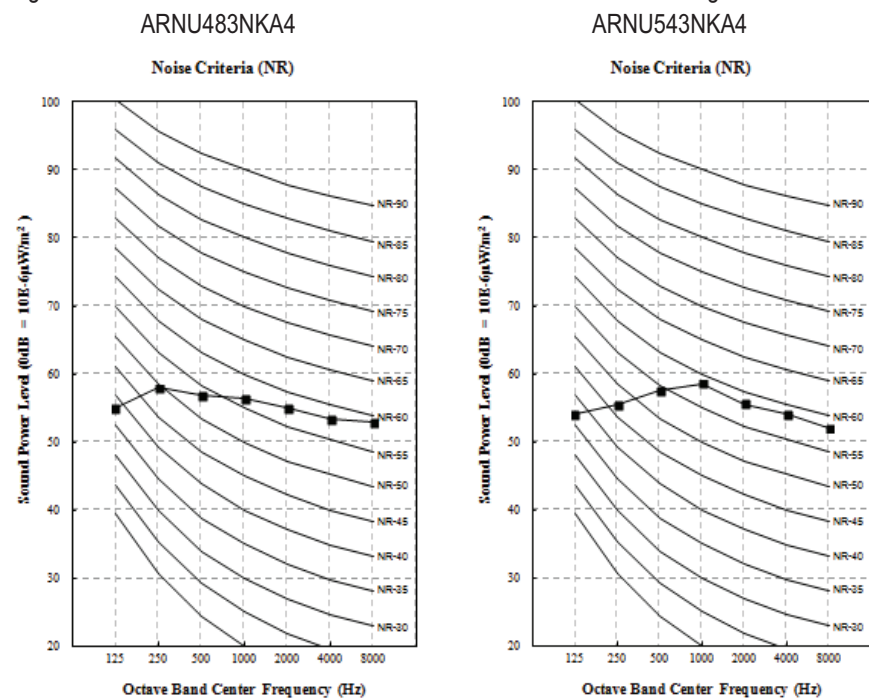


Figure 51: ARNU483NKA4 and ARNU543NKA4 Sound Power Level Diagrams.



# VERTICAL / HORIZONTAL AIR HANDLER

Cooling Capacity Tables

ARNU123NJA4

Table 131: ARNU123NJA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU123NJA4/ 12.0	-9.9	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	-5	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	0	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	5	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	10	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	14	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	20	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	23	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	25	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	30	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	35	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	40	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	45	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	50	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	55	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.5	10.8
	60	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.4	10.8
	65	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	15.1	10.6
	70	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	14.9	10.4
	75	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	14.3	10.8	14.5	10.2
	80	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.5	10.9	13.9	10.8	14.2	10.1
	85	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.3	10.8	13.5	10.3	13.7	9.7
	90	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	13.1	10.7	13.2	10.1	13.5	9.6
	95	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	12.9	10.6	13.1	10.1	13.3	9.5
	100	7.9	7.8	9.6	9.0	10.8	9.6	12.0	10.2	12.6	10.4	12.9	10.0	13.1	9.5
	105	7.9	7.8	9.1	8.5	10.3	9.2	11.5	9.7	12.0	9.7	12.4	9.6	12.7	9.2
	110	7.7	7.6	8.7	8.1	9.6	8.5	10.8	9.2	11.3	9.2	11.8	9.2	12.3	8.9
	115	7.5	7.3	8.2	7.7	9.0	8.0	10.2	8.7	10.6	8.7	11.2	8.7	11.8	8.6
	118	7.3	7.1	7.8	7.3	8.6	7.5	9.7	8.3	10.1	8.3	10.7	8.3	11.3	8.2
	122	7.1	6.9	7.4	6.9	8.1	7.1	9.2	7.9	9.6	7.9	10.1	7.9	10.8	7.9

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER

## Cooling Capacity Tables

### ARNU183NJA4

Table 132: ARNU183NJA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU183NJA4/ 18.0	-9.9	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	-5	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	0	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	5	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	10	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	14	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	20	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	23	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	25	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	30	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	35	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	40	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	45	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	50	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	55	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.3	13.6
	60	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	23.0	13.5
	65	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	22.7	13.3
	70	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	22.4	13.1
	75	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	21.5	13.6	21.8	12.8
	80	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.2	13.7	20.9	13.5	21.2	12.7
	85	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	20.0	13.6	20.2	12.9	20.6	12.2
	90	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	19.7	13.4	19.8	12.7	20.2	12.1
	95	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	19.3	13.3	19.7	12.7	20.0	11.9
	100	11.9	9.8	14.4	11.3	16.2	12.0	18.0	12.8	18.9	13.1	19.3	12.5	19.7	11.9
	105	11.9	9.8	13.7	10.7	15.5	11.5	17.3	12.2	17.9	12.2	18.5	12.1	19.1	11.6
	110	11.6	9.5	13.0	10.1	14.4	10.7	16.2	11.5	17.0	11.5	17.6	11.5	18.4	11.2
	115	11.3	9.2	12.3	9.6	13.5	10.1	15.2	10.9	15.9	10.9	16.7	10.9	17.6	10.8
	118	11.0	8.9	11.7	9.1	12.9	9.5	14.6	10.4	15.2	10.4	16.0	10.4	16.9	10.3
	122	10.7	8.7	11.1	8.7	12.2	8.9	13.8	9.9	14.4	9.9	15.1	9.9	16.3	9.9

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER

## Cooling Capacity Tables

### ARNU243NJA4

Table 133: ARNU243NJA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU243NJA4/ 24.0	-9.9	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	-5	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	0	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	5	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	10	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	14	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	20	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	23	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	25	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	30	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	35	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	40	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	45	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	50	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	55	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	31.0	18.9
	60	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	30.7	18.8
	65	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	30.2	18.5
	70	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	29.8	18.2
	75	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	28.6	18.9	29.0	17.8
	80	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.9	19.1	27.8	18.8	28.3	17.7
	85	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.6	18.9	26.9	18.0	27.4	17.0
	90	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	26.2	18.6	26.4	17.7	26.9	16.8
	95	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	25.7	18.5	26.2	17.6	26.6	16.6
	100	15.8	13.6	19.2	15.7	21.6	16.7	24.0	17.8	25.2	18.2	25.7	17.4	26.2	16.5
	105	15.8	13.6	18.2	14.9	20.6	16.0	23.0	17.0	23.9	17.0	24.7	16.8	25.4	16.1
	110	15.4	13.2	17.3	14.1	19.2	14.9	21.6	16.0	22.6	16.0	23.5	16.0	24.5	15.6
	115	15.0	12.8	16.4	13.4	18.0	14.0	20.3	15.2	21.2	15.2	22.3	15.2	23.5	15.0
	118	14.6	12.4	15.6	12.7	17.1	13.2	19.5	14.4	20.3	14.4	21.3	14.4	22.6	14.4
	122	14.3	12.0	14.8	12.1	16.2	12.4	18.4	13.7	19.2	13.7	20.2	13.7	21.7	13.7

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER

## Cooling Capacity Tables

### ARNU303NJA4

Table 134: ARNU303NJA4 Cooling Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU303NJA4/ 30.0	-9.9	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	-5	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	0	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	5	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	10	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	14	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	20	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	23	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	25	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	30	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	35	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	40	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	45	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	50	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	55	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.8	22.9
	60	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	38.4	22.8
	65	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	37.8	22.4
	70	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	37.3	22.1
	75	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	35.8	22.9	36.3	21.6
	80	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.6	23.2	34.8	22.8	35.4	21.5
	85	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	33.3	22.9	33.6	21.8	34.3	20.6
	90	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	32.8	22.6	33.0	21.5	33.6	20.4
	95	19.8	16.5	24.0	19.1	27.0	20.3	<b>30.0</b>	<b>21.6</b>	32.1	22.4	32.8	21.4	33.3	20.1
	100	19.8	16.5	24.0	19.1	27.0	20.3	30.0	21.6	31.5	22.1	32.1	21.1	32.8	20.0
	105	19.8	16.5	22.8	18.1	25.8	19.4	28.8	20.6	29.9	20.6	30.9	20.4	31.8	19.5
	110	19.3	16.0	21.6	17.1	24.0	18.1	27.0	19.4	28.3	19.4	29.4	19.4	30.6	18.9
	115	18.8	15.6	20.6	16.2	22.6	17.0	25.4	18.4	26.6	18.4	27.9	18.4	29.4	18.2
	118	18.3	15.1	19.5	15.4	21.4	16.0	24.4	17.5	25.4	17.5	26.6	17.5	28.2	17.4
	122	17.8	14.6	18.5	14.6	20.3	15.0	23.0	16.6	24.0	16.6	25.2	16.6	27.1	16.6

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER

## Cooling Capacity Tables ARNU363NJA4

Table 135: ARNU363NJA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU363NJA4/ 36.0	-9.9	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	-5	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	0	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	5	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	10	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	14	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	20	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	23	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	25	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	30	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	35	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	40	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	45	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	50	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	55	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.5	27.5
	60	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	46.1	27.3
	65	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	45.3	26.9
	70	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	44.7	26.5
	75	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	42.9	27.5	43.5	25.9
	80	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	40.4	27.8	41.7	27.3	42.5	25.7
	85	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	39.9	27.5	40.4	26.2	41.1	24.7
	90	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	39.3	27.0	39.6	25.7	40.4	24.4
	95	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	38.6	26.9	39.3	25.6	39.9	24.1
	100	23.7	19.8	28.8	22.8	32.4	24.3	36.0	25.9	37.8	26.5	38.6	25.3	39.3	24.0
	105	23.7	19.8	27.3	21.7	30.9	23.3	34.5	24.7	35.9	24.7	37.1	24.4	38.1	23.4
	110	23.1	19.2	26.0	20.5	28.8	21.7	32.4	23.3	33.9	23.3	35.3	23.3	36.8	22.7
	115	22.5	18.6	24.7	19.5	27.1	20.4	30.5	22.1	31.9	22.1	33.5	22.1	35.3	21.8
	118	22.0	18.1	23.4	18.5	25.7	19.2	29.2	21.0	30.4	21.0	32.0	21.0	33.9	20.9
	122	21.4	17.5	22.2	17.5	24.3	18.0	27.6	19.9	28.8	19.9	30.2	19.9	32.5	19.9

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# VERTICAL / HORIZONTAL AIR HANDLER

## Cooling Capacity Tables

### ARNU423NKA4

Table 136: ARNU423NKA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU423NKA4/ 42.0	-9.9	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	-5	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	0	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	5	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	10	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	14	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	20	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	23	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	25	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	30	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	35	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	40	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	45	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	50	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	55	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	54.3	32.1
	60	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	53.7	31.9
	65	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	52.9	31.4
	70	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	52.2	30.9
	75	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	50.1	32.1	50.8	30.2
	80	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	47.1	32.4	48.7	31.9	49.5	30.0
	85	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	46.6	32.1	47.1	30.5	48.0	28.8
	90	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	45.9	31.6	46.2	30.0	47.1	28.5
	95	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	45.0	31.4	45.9	29.9	46.6	28.2
	100	27.7	23.1	33.6	26.6	37.8	28.3	42.0	30.2	44.1	30.9	45.0	29.5	45.9	28.0
	105	27.7	23.1	31.9	25.3	36.1	27.1	40.3	28.8	41.9	28.8	43.2	28.5	44.5	27.3
	110	27.0	22.4	30.3	23.9	33.6	25.3	37.8	27.1	39.6	27.1	41.1	27.1	42.9	26.5
	115	26.3	21.7	28.8	22.7	31.6	23.8	35.5	25.8	37.2	25.8	39.1	25.8	41.2	25.4
	118	25.6	21.1	27.3	21.6	30.0	22.3	34.1	24.5	35.5	24.5	37.3	24.5	39.5	24.4
	122	24.9	20.4	26.0	20.5	28.4	21.0	32.3	23.3	33.6	23.3	35.3	23.3	37.9	23.3

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER

## Cooling Capacity Tables

### ARNU483NKA4

Table 137: ARNU483NKA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU483NKA4/ 48.0	-9.9	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	-5	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	0	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	5	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	10	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	14	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	20	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	23	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	25	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	30	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	35	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	40	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	45	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	50	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	55	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	62.0	35.2
	60	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	61.4	35.0
	65	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	60.4	34.4
	70	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	59.6	33.9
	75	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	57.2	35.2	58.0	33.1
	80	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.8	35.5	55.6	35.0	56.6	32.9
	85	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	53.2	35.2	53.8	33.5	54.8	31.6
	90	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	52.4	34.6	52.8	32.9	53.8	31.3
	95	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	48.0	33.1	51.4	34.4	52.4	32.7
	100	31.6	25.3	38.4	29.2	43.2	31.1	48.0	33.1	50.4	33.9	51.4	32.4	52.4	30.7
	105	31.6	25.3	36.4	27.7	41.2	29.8	46.0	31.6	47.9	31.6	49.4	31.3	50.8	30.0
	110	30.8	24.6	34.6	26.2	38.4	27.7	43.2	29.8	45.2	29.8	47.0	29.8	49.0	29.0
	115	30.0	23.8	32.9	24.9	36.1	26.1	40.6	28.3	42.5	28.3	44.6	28.3	47.0	27.9
	118	29.3	23.1	31.2	23.6	34.3	24.5	39.0	26.9	40.6	26.9	42.6	26.9	45.2	26.7
	122	28.5	22.4	29.7	22.5	32.4	23.1	36.9	25.5	38.4	25.5	40.3	25.5	43.3	25.5

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# VERTICAL / HORIZONTAL AIR HANDLER

## Cooling Capacity Tables

### ARNU543NKA4

Table 138: ARNU543NKA4 Cooling Capacity Table.

Model No./ Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temperature (°F DB / WB)													
		68 / 57		73 / 61		79 / 64		80 / 67		85 / 70		88 / 73		91 / 76	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
ARNU543NKA4/ 54.0	-9.9	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	-5	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	0	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	5	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	10	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	14	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	20	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	23	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	25	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	30	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	35	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	40	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	45	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	50	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	55	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.8	39.6
	60	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	69.1	39.4
	65	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	68.0	38.8
	70	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	67.1	38.2
	75	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	64.4	39.6	65.3	37.3
	80	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	60.5	40.0	62.6	39.4	63.7	37.1
	85	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	59.9	39.6	60.5	37.7	61.7	35.6
	90	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	59.0	39.0	59.4	37.1	60.5	35.2
	95	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	57.8	38.8	59.0	36.9	59.9	34.8
	100	35.6	28.5	43.2	32.9	48.6	35.0	54.0	37.3	56.7	38.2	57.8	36.5	59.0	34.6
	105	35.6	28.5	41.0	31.2	46.4	33.5	51.8	35.6	53.8	35.6	55.6	35.2	57.2	33.8
	110	34.7	27.7	38.9	29.6	43.2	31.2	48.6	33.5	50.9	33.5	52.9	33.5	55.1	32.7
	115	33.8	26.9	37.0	28.1	40.6	29.4	45.7	31.9	47.8	31.9	50.2	31.9	52.9	31.4
	118	32.9	26.0	35.1	26.6	38.6	27.6	43.8	30.3	45.6	30.3	48.0	30.3	50.8	30.1
	122	32.1	25.2	33.4	25.3	36.5	26.0	41.5	28.7	43.2	28.7	45.4	28.7	48.8	28.7

TC: Total Capacity (MBh); SHC: Sensible Heat Capacity (MBh).

Cooling range with the Low Ambient Baffle Kit (sold separately) installed on the outdoor unit(s) is -9.9°F to +122°F, and is achieved only when all indoor units are operating in cooling mode. Does not impact heat recovery system synchronous operating range.

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER

Heating Capacity Tables

ARNU123NJA4

Table 139: ARNU123NJA4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU123NJA4 / 12.0			MBh	MBh	MBh	MBh	MBh	MBh	MBh	MBh
	-21.6	-22.0	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8
	-17.1	-17.5	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.6
	-12.6	-13	8.5	8.5	8.5	8.5	8.4	8.4	8.4	8.4
	-7	-7.6	8.8	8.8	8.8	8.8	8.6	8.6	8.6	8.6
	-4	-4.4	9.1	9.1	9.1	9.1	8.9	8.9	8.9	8.9
	0	-0.4	9.3	9.3	9.3	9.3	9.3	9.2	9.2	9.2
	5	4.5	10.5	10.4	10.3	10.3	10.3	10.3	10.3	10.3
	10	9	10.9	10.9	10.9	10.8	10.8	10.8	10.8	10.8
	15	14	11.6	11.6	11.6	11.6	11.6	11.6	11.5	11.3
	20	19	12.3	12.3	12.3	12.3	12.0	12.0	11.8	11.7
	25	23	12.8	12.8	12.8	12.8	12.8	12.6	12.4	11.8
	30	28	13.1	13.1	13.1	13.1	13.1	12.8	12.4	11.8
	35	32	13.5	13.5	13.5	13.5	13.4	13.1	12.4	11.8
	40	36	14.0	14.0	14.0	14.0	13.5	13.1	12.4	11.8
	45	41	14.6	14.6	14.6	14.2	13.5	13.1	12.4	11.8
	47	43	15.1	15.0	14.9	14.2	13.5	13.1	12.4	11.8
	50	46	16.2	15.5	14.9	14.2	13.5	13.1	12.4	11.8
	55	51	16.5	15.7	14.9	14.2	13.5	13.1	12.4	11.8
	60	56	16.5	15.7	14.9	14.2	13.5	13.1	12.4	11.8

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER

## Heating Capacity Tables

### ARNU183NJA4

Table 140: ARNU183NJA4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor air temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh
ARNU183NJA4 / 18.0	-21.6	-22.0	10.1	10.1	10.1	10.1	10.0	10.0	10.0	10.0
	-17.1	-17.5	11.4	11.4	11.4	11.4	11.2	11.2	11.2	11.2
	-12.6	-13	12.6	12.6	12.6	12.6	12.4	12.4	12.4	12.4
	-7	-7.6	13.0	13.0	13.0	13.0	12.8	12.8	12.8	12.8
	-4	-4.4	13.4	13.4	13.4	13.4	13.2	13.2	13.2	13.2
	0	-0.4	13.8	13.8	13.8	13.8	13.8	13.6	13.6	13.6
	5	4.5	15.6	15.4	15.2	15.2	15.2	15.2	15.2	15.2
	10	9	16.2	16.2	16.2	16.0	16.0	16.0	16.0	16.0
	15	14	17.2	17.2	17.2	17.2	17.2	17.2	17.0	16.8
	20	19	18.2	18.2	18.2	18.2	17.8	17.8	17.5	17.3
	25	23	19.0	19.0	19.0	19.0	19.0	18.6	18.4	17.5
	30	28	19.4	19.4	19.4	19.4	19.4	19.0	18.4	17.5
	35	32	20.0	20.0	20.0	20.0	19.8	19.4	18.4	17.5
	40	36	20.8	20.8	20.8	20.8	20.0	19.4	18.4	17.5
	45	41	21.6	21.6	21.6	21.0	20.0	19.4	18.4	17.5
	47	43	22.4	22.2	22.0	21.0	20.0	19.4	18.4	17.5
	50	46	24.0	23.0	22.0	21.0	20.0	19.4	18.4	17.5
	55	51	24.5	23.2	22.0	21.0	20.0	19.4	18.4	17.5
	60	56	24.5	23.2	22.0	21.0	20.0	19.4	18.4	17.5

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER

Heating Capacity Tables

ARNU243NJA4

Table 141: ARNU243NJA4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU243NJA4 / 24.0			MBh	MBh	MBh	MBh	MBh	MBh	MBh	MBh
	-21.6	-22.0	13.7	13.7	13.7	13.7	13.5	13.5	13.5	13.5
	-17.1	-17.5	15.4	15.4	15.4	15.4	15.1	15.1	15.1	15.1
	-12.6	-13	17.0	17.0	17.0	17.0	16.8	16.8	16.8	16.8
	-7	-7.6	17.6	17.6	17.6	17.6	17.3	17.3	17.3	17.3
	-4	-4.4	18.1	18.1	18.1	18.1	17.8	17.8	17.8	17.8
	0	-0.4	18.6	18.6	18.6	18.6	18.6	18.4	18.4	18.4
	5	4.5	21.1	20.8	20.5	20.5	20.5	20.5	20.5	20.5
	10	9	21.9	21.9	21.9	21.6	21.6	21.6	21.6	21.6
	15	14	23.2	23.2	23.2	23.2	23.2	23.2	23.0	22.7
	20	19	24.6	24.6	24.6	24.6	24.0	24.0	23.6	23.4
	25	23	25.7	25.7	25.7	25.7	25.7	25.1	24.8	23.6
	30	28	26.2	26.2	26.2	26.2	26.2	25.7	24.8	23.6
	35	32	27.0	27.0	27.0	27.0	26.7	26.2	24.8	23.6
	40	36	28.1	28.1	28.1	28.1	27.0	26.2	24.8	23.6
	45	41	29.2	29.2	29.2	28.4	27.0	26.2	24.8	23.6
	47	43	30.2	30.0	29.7	28.4	27.0	26.2	24.8	23.6
	50	46	32.4	31.1	29.7	28.4	27.0	26.2	24.8	23.6
	55	51	33.1	31.3	29.7	28.4	27.0	26.2	24.8	23.6
	60	56	33.1	31.3	29.7	28.4	27.0	26.2	24.8	23.6

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER



## Heating Capacity Tables

### ARNU303NJA4

Table 142: ARNU303NJA4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh
ARNU303NJA4 / 30.0	-21.6	-22.0	17.3	17.3	17.3	17.3	17.0	17.0	17.0	17.0
	-17.1	-17.5	19.3	19.3	19.3	19.3	19.1	19.1	19.1	19.1
	-12.6	-13	21.4	21.4	21.4	21.4	21.1	21.1	21.1	21.1
	-7	-7.6	22.1	22.1	22.1	22.1	21.8	21.8	21.8	21.8
	-4	-4.4	22.8	22.8	22.8	22.8	22.4	22.4	22.4	22.4
	0	-0.4	23.5	23.5	23.5	23.5	23.5	23.1	23.1	23.1
	5	4.5	26.5	26.2	25.8	25.8	25.8	25.8	25.8	25.8
	10	9	27.5	27.5	27.5	27.2	27.2	27.2	27.2	27.2
	15	14	29.2	29.2	29.2	29.2	29.2	29.2	28.9	28.6
	20	19	30.9	30.9	30.9	30.9	30.3	30.3	29.8	29.4
	25	23	32.3	32.3	32.3	32.3	32.3	31.6	31.3	29.8
	30	28	33.0	33.0	33.0	33.0	33.0	32.3	31.3	29.8
	35	32	34.0	34.0	34.0	34.0	33.7	33.0	31.3	29.8
	40	36	35.4	35.4	35.4	35.4	34.0	33.0	31.3	29.8
	45	41	36.7	36.7	36.7	35.7	34.0	33.0	31.3	29.8
	47	43	38.1	37.7	37.4	35.7	<b>34.0</b>	33.0	31.3	29.8
	50	46	40.8	39.1	37.4	35.7	34.0	33.0	31.3	29.8
	55	51	41.7	39.4	37.4	35.7	34.0	33.0	31.3	29.8
	60	56	41.7	39.4	37.4	35.7	34.0	33.0	31.3	29.8

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER

Heating Capacity Tables

ARNU363NJA4

Table 143: ARNU363NJA4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU363NJA4 / 36.0			MBh	MBh	MBh	MBh	MBh	MBh	MBh	MBh
	-21.6	-22.0	20.3	20.3	20.3	20.3	20.0	20.0	20.0	20.0
	-17.1	-17.5	22.7	22.7	22.7	22.7	22.4	22.4	22.4	22.4
	-12.6	-13	25.2	25.2	25.2	25.2	24.8	24.8	24.8	24.8
	-7	-7.6	26.0	26.0	26.0	26.0	25.6	25.6	25.6	25.6
	-4	-4.4	26.8	26.8	26.8	26.8	26.4	26.4	26.4	26.4
	0	-0.4	27.6	27.6	27.6	27.6	27.6	27.2	27.2	27.2
	5	4.5	31.2	30.8	30.4	30.4	30.4	30.4	30.4	30.4
	10	9	32.4	32.4	32.4	32.0	32.0	32.0	32.0	32.0
	15	14	34.4	34.4	34.4	34.4	34.4	34.4	34.0	33.6
	20	19	36.4	36.4	36.4	36.4	35.6	35.6	35.0	34.6
	25	23	38.0	38.0	38.0	38.0	38.0	37.2	36.8	35.0
	30	28	38.8	38.8	38.8	38.8	38.8	38.0	36.8	35.0
	35	32	40.0	40.0	40.0	40.0	39.6	38.8	36.8	35.0
	40	36	41.6	41.6	41.6	41.6	40.0	38.8	36.8	35.0
	45	41	43.2	43.2	43.2	42.0	40.0	38.8	36.8	35.0
	47	43	44.8	44.4	44.0	42.0	40.0	38.8	36.8	35.0
	50	46	48.0	46.0	44.0	42.0	40.0	38.8	36.8	35.0
	55	51	49.0	46.4	44.0	42.0	40.0	38.8	36.8	35.0
	60	56	49.0	46.4	44.0	42.0	40.0	38.8	36.8	35.0

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER

## Heating Capacity Tables

### ARNU423NKA4

Table 144: ARNU423NKA4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU423NKA4 / 42.0			MBh	MBh	MBh	MBh	MBh	MBh	MBh	MBh
	-21.6	-22.0	23.3	23.3	23.3	23.3	23.0	23.0	23.0	23.0
	-17.1	-17.5	26.2	26.2	26.2	26.2	25.8	25.8	25.8	25.8
	-12.6	-13	29.0	29.0	29.0	29.0	28.6	28.6	28.6	28.6
	-7	-7.6	29.9	29.9	29.9	29.9	29.4	29.4	29.4	29.4
	-4	-4.4	30.8	30.8	30.8	30.8	30.4	30.4	30.4	30.4
	0	-0.4	31.7	31.7	31.7	31.7	31.7	31.3	31.3	31.3
	5	4.5	35.9	35.4	35.0	35.0	35.0	35.0	35.0	35.0
	10	9	37.3	37.3	37.3	36.8	36.8	36.8	36.8	36.8
	15	14	39.6	39.6	39.6	39.6	39.6	39.6	39.1	38.6
	20	19	41.9	41.9	41.9	41.9	40.9	40.9	40.3	39.8
	25	23	43.7	43.7	43.7	43.7	43.7	42.8	42.3	40.3
	30	28	44.6	44.6	44.6	44.6	44.6	43.7	42.3	40.3
	35	32	46.0	46.0	46.0	46.0	45.5	44.6	42.3	40.3
	40	36	47.8	47.8	47.8	47.8	46.0	44.6	42.3	40.3
	45	41	49.7	49.7	49.7	48.3	46.0	44.6	42.3	40.3
	47	43	51.5	51.1	50.6	48.3	<b>46.0</b>	44.6	42.3	40.3
	50	46	55.2	52.9	50.6	48.3	46.0	44.6	42.3	40.3
	55	51	56.4	53.4	50.6	48.3	46.0	44.6	42.3	40.3
	60	56	56.4	53.4	50.6	48.3	46.0	44.6	42.3	40.3

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.



# VERTICAL / HORIZONTAL AIR HANDLER

Heating Capacity Tables

ARNU483NKA4

Table 145: ARNU483NKA4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC	TC	TC	TC	TC	TC	TC	TC
ARNU483NKA4 / 48.0	-21.6	-22.0	27.4	27.4	27.4	27.4	27.0	27.0	27.0	27.0
	-17.1	-17.5	30.7	30.7	30.7	30.7	30.3	30.3	30.3	30.3
	-12.6	-13	34.0	34.0	34.0	34.0	33.5	33.5	33.5	33.5
	-7	-7.6	35.1	35.1	35.1	35.1	34.6	34.6	34.6	34.6
	-4	-4.4	36.2	36.2	36.2	36.2	35.6	35.6	35.6	35.6
	0	-0.4	37.3	37.3	37.3	37.3	37.3	36.7	36.7	36.7
	5	4.5	42.1	41.6	41.0	41.0	41.0	41.0	41.0	41.0
	10	9	43.7	43.7	43.7	43.2	43.2	43.2	43.2	43.2
	15	14	46.4	46.4	46.4	46.4	46.4	46.4	45.9	45.4
	20	19	49.1	49.1	49.1	49.1	48.1	48.1	47.3	46.7
	25	23	51.3	51.3	51.3	51.3	51.3	50.2	49.7	47.3
	30	28	52.4	52.4	52.4	52.4	52.4	51.3	49.7	47.3
	35	32	54.0	54.0	54.0	54.0	53.5	52.4	49.7	47.3
	40	36	56.2	56.2	56.2	56.2	54.0	52.4	49.7	47.3
	45	41	58.3	58.3	58.3	56.7	54.0	52.4	49.7	47.3
	47	43	60.5	59.9	59.4	56.7	54.0	52.4	49.7	47.3
	50	46	64.8	62.1	59.4	56.7	54.0	52.4	49.7	47.3
	55	51	66.2	62.6	59.4	56.7	54.0	52.4	49.7	47.3
	60	56	66.2	62.6	59.4	56.7	54.0	52.4	49.7	47.3

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

## Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

# VERTICAL / HORIZONTAL AIR HANDLER

## Heating Capacity Tables

### ARNU543NKA4

Table 146: ARNU543NKA4 Heating Capacity Table.

Model No. / Capacity Index	Outdoor Air Temp.		Indoor Air Temperature (°F DB)							
			59	61	64	67	70	73	76	80
	°F DB	°F WB	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh	TC MBh
ARNU543NKA4 / 54.0	-21.6	-22.0	30.4	30.4	30.4	30.4	30.0	30.0	30.0	30.0
	-17.1	-17.5	34.1	34.1	34.1	34.1	33.6	33.6	33.6	33.6
	-12.6	-13	37.8	37.8	37.8	37.8	37.3	37.3	37.3	37.3
	-7	-7.6	39.0	39.0	39.0	39.0	38.4	38.4	38.4	38.4
	-4	-4.4	40.2	40.2	40.2	40.2	39.6	39.6	39.6	39.6
	0	-0.4	41.4	41.4	41.4	41.4	41.4	40.8	40.8	40.8
	5	4.5	46.8	46.2	45.6	45.6	45.6	45.6	45.6	45.6
	10	9	48.6	48.6	48.6	48.0	48.0	48.0	48.0	48.0
	15	14	51.6	51.6	51.6	51.6	51.6	51.6	51.0	50.4
	20	19	54.6	54.6	54.6	54.6	53.4	53.4	52.5	51.9
	25	23	57.0	57.0	57.0	57.0	57.0	55.8	55.2	52.5
	30	28	58.2	58.2	58.2	58.2	58.2	57.0	55.2	52.5
	35	32	60.0	60.0	60.0	60.0	59.4	58.2	55.2	52.5
	40	36	62.4	62.4	62.4	62.4	60.0	58.2	55.2	52.5
	45	41	64.8	64.8	64.8	63.0	60.0	58.2	55.2	52.5
	47	43	67.2	66.6	66.0	63.0	60.0	58.2	55.2	52.5
	50	46	72.0	69.0	66.0	63.0	60.0	58.2	55.2	52.5
	55	51	73.5	69.6	66.0	63.0	60.0	58.2	55.2	52.5
	60	56	73.5	69.6	66.0	63.0	60.0	58.2	55.2	52.5

TC: Total Capacity (MBh).

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

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.

Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

For outdoor unit performance data, see the respective outdoor unit performance data manuals on <https://lghvac.com/commercial>.

### Note:

Low ambient performance with LGRED° heat technology is included in Multi V 5 Air Source Units produced after February 2019.

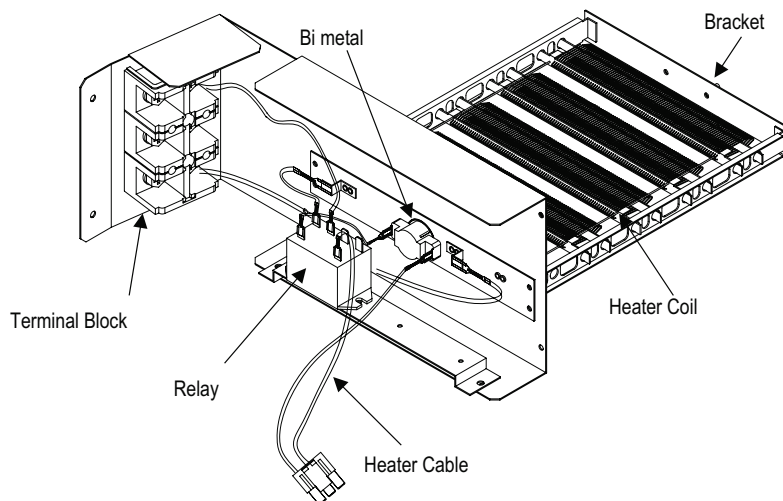
Table 147: Optional Accessories for Vertical / Horizontal Air Handler Units.

Accessory	Model Number
3kW Electric Heater	ANEH033B1
5kW Electric Heater	ANEH053B1
8kW Electric Heater	ANEH083B2
10kW Electric Heater	ANEH103B2
15kW Electric Heater	ANEH153B2
20kW Electric Heater	ANEH203B2

All accessories are sold separately.

Figure 52: Electric Heater.

Example: 5kW Capacity Heater



**Note:**

Image shown above may vary depending on model capacity.

Table 148: Electric Heater Capacities.

Indoor Unit Model No. / Capacity (MBh)	Model Number / Heater Capacity					
	ANEH033B1 (3kW)	ANEH053B1 (5kW)	ANEH083B2 (8kW)	ANEH103B2 (10kW)	ANEH153B2 (15kW)	ANEH203B2 (20kW)
ARNU123NJA4 (12)	X	X	X	Not available	Not available	Not available
ARNU183NJA4 (18)	X	X	X	X	Not available	Not available
ARNU243NJA4 (24)	X	X	X	X	Not available	Not available
ARNU303NJA4 (30)	X	X	X	X	Not available	Not available
ARNU363NJA4 (36)	X	X	X	X	X	X
ARNU423NKA4 (42)	X	X	X	X	X	X
ARNU483NKA4 (48)	X	X	X	X	X	X
ARNU543NKA4 (54)	X	X	X	X	X	X

**Note:**

For additional information, refer to the Electric Heater Manual.

# APPLICATION GUIDELINES

**Selecting the Best Location on page 191**

**General Mounting - High and Low Static Ducted Units  
on page 193**

**General Mounting - Vertical / Horizontal Air Handler Units  
on page 195**

**General Drain Piping Information on page 197**

**Wiring Guidelines on page 199**

**Wired Controller Location on page 201**

**Acronyms on page 202**

### Selecting the Best Location

#### Do's

- Place the unit where air circulation will not be blocked.
- Place the unit where drainage can be obtained easily and to minimize the length of the condensate drain piping.
- Place the unit where noise prevention is taken into consideration.
- Place the unit in a location that can support a load four times the indoor unit weight, and where the indoor unit can be level.
- Ensure there is sufficient maintenance space.
- Locate the indoor unit in a location where it can be easily connected to the outdoor unit / heat recovery unit.



#### Don'ts

- Avoid installing the unit near high-frequency generators.
- Do not install the unit near a doorway.
- Do not install the unit near a heat or steam source, or where considerable amounts of oil, iron powder, or flour are used. (These materials may generate condensate, cause a reduction in heat exchanger efficiency, or the drain pump to malfunction. If this is a potential problem, install a ventilation fan large enough to vent out these materials.)

**The unit may be damaged, may malfunction, and / or will not operate as designed if installed in any of the conditions listed.**

### ⚠ WARNING

The unit must not be installed where sulfuric acid and flammable or corrosive gases are generated, vented into, or stored. There is risk of fire, explosion, and physical injury or death.

#### Note:

- Indoor units (IDUs) must not be placed in an environment where the IDUs may be exposed to harmful volatile organic compounds (VOCs) or in environments where there is improper air make up or supply or inadequate ventilation. If there are concerns about VOCs in the environment where the IDUs are installed, proper air make up or supply and/ or adequate ventilation must be provided. Additionally, in buildings where IDUs will be exposed to VOCs consider a factory-applied epoxy coating to the fan coils for each IDU.
- If the unit is installed near a body of water, the installation parts are at risk of corroding. Appropriate anti-corrosion methods must be taken for the unit and all installation parts.

Figure 53: Clearance Requirements for BH and B8 High Static Ducted Units.

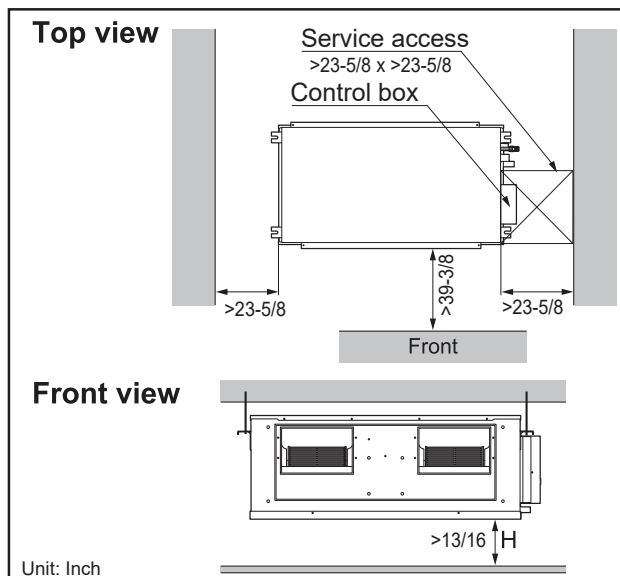


Figure 55: Installing Near a Heat or Steam Source.

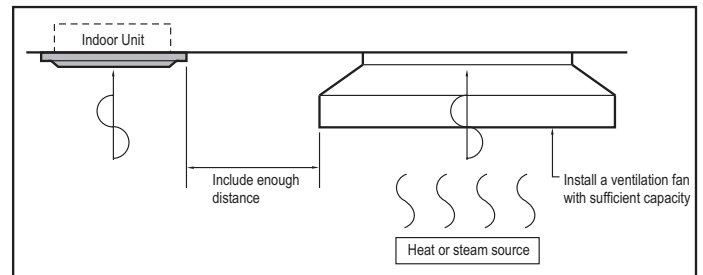
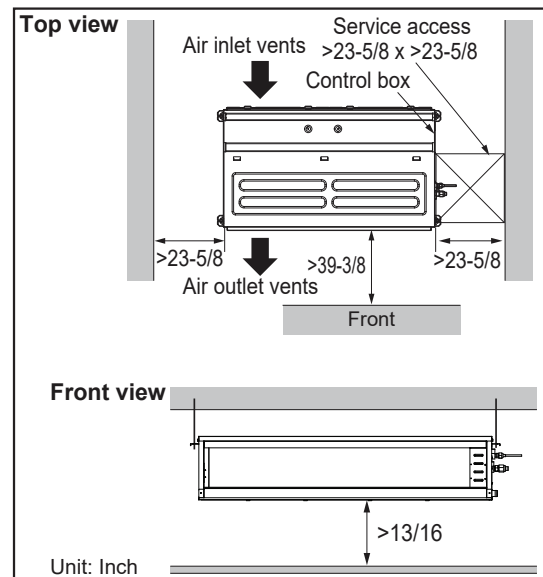


Figure 54: Clearance Requirements for M2 and M3 High Static Ducted Units.



# APPLICATION GUIDELINES



## Selecting the Best Location

Figure 56: Clearances Requirements for Low Static Ducted Units.

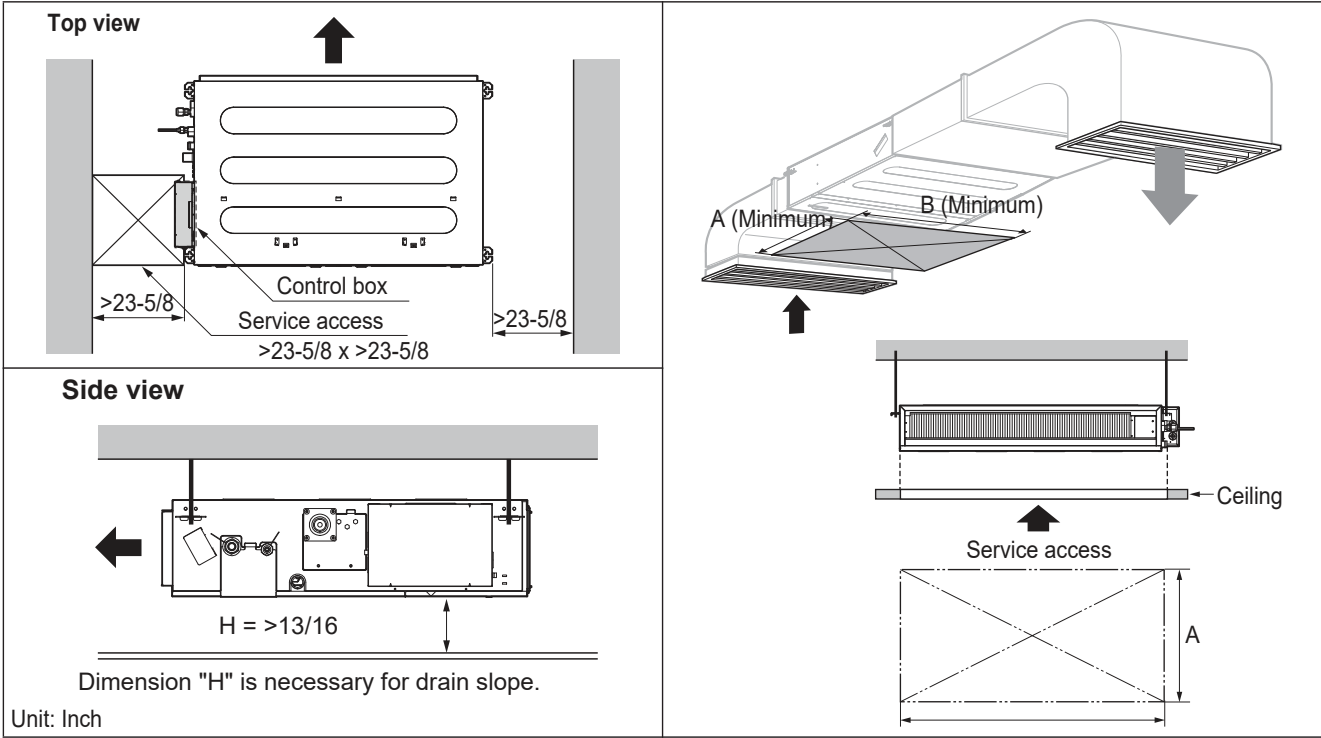
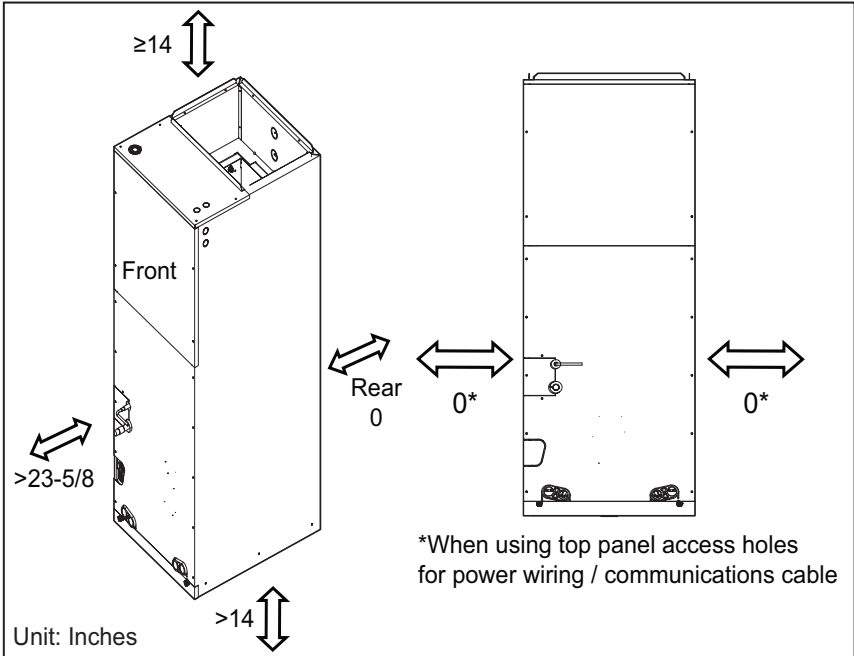


Table 149: Service Dimensions For Low Static Ducted Units.

Frame	Dimensions (inches)	
	A	B
L1	31-1/2	31-1/2
L2	31-1/2	39-3/8
L3	31-1/2	47-1/4

Figure 57: Clearances Requirements for Vertical / Horizontal Air Handler Units.



### Installing in an Area Exposed to Unconditioned Air

In some installation applications, areas (floors, walls) in some rooms may be exposed to unconditioned air (room may be above or next to an unheated garage or storeroom). To countermeasure:

- Verify that carpet is or will be installed (carpet may increase the temperature by three [3] degrees).
- Add insulation between the floor joists.
- Install radiant heat or another type of heating system to the floor.



### General Mounting - High and Low Static Ducted Units

- The ceiling must be strong and solid enough to protect the indoor unit from vibration.
- Refer to dimensions table below for each indoor unit type.
- Apply a joint-canvas between the unit and duct to absorb unnecessary vibration.
- Apply a filter accessory at the air return opening.
- Install the unit with a slope towards the drainage point to ensure condensate drains easily.

Figure 58: High Static Ducted BH Frame Bolt Locations.

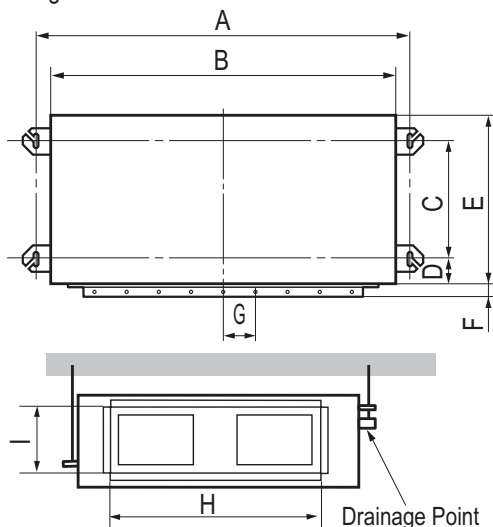


Figure 59: High Static Ducted B8 Frame Bolt Locations.

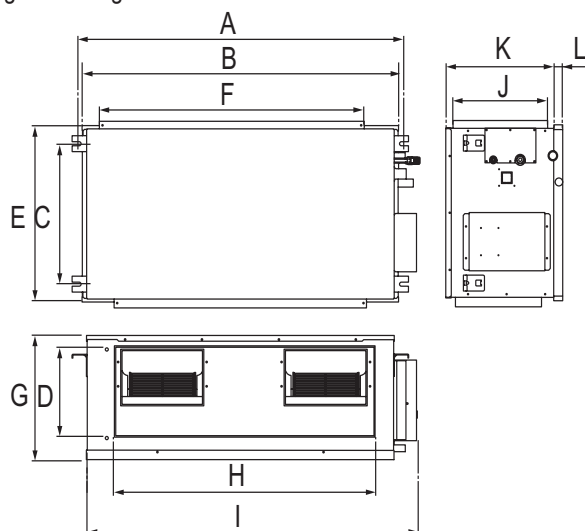


Table 150: High Static Ducted BH, B8 Frame Suspension Bolt Positions.

Frame	Dimensions (inches)											
	A	B	C	D	E	F	G	H	I	J	K	L
BH	36-11/16	34-3/4	14	1-7/8	17-3/4	1-3/16	3-7/16	29-1/2	6-1/4	-	-	-
B8	63-7/8	61-5/8	22-13/16	11-1/2	27-3/8	55-1/8	18-1/8	44-3/16	66-1/8	15-3/8	17-1/2	9/16

Figure 60: High Static Ducted M2, M3 Frame Bolt Locations.

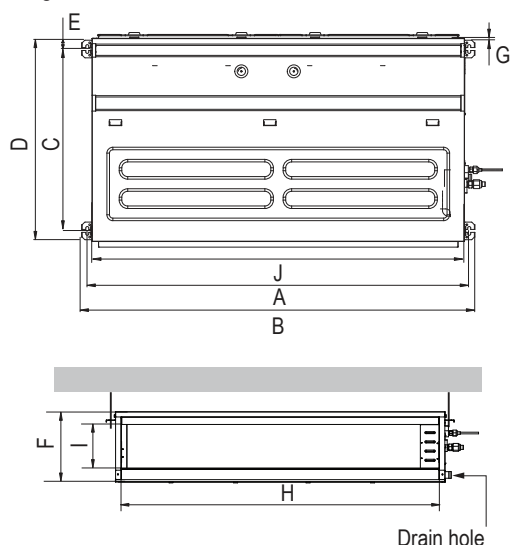


Table 151: High Static Ducted M2, M3 Frame Suspension Bolt Positions.

Frame	Dimensions (inches)									
	A	B	C	D	E	F	G	H	I	J
M2	50-17/32	52-1/32	24-3/8	27-9/16	1-3/16	10-5/8	19/32	47-9/16	7-15/16	49-7/32
M2	50-17/32	52-1/32	24-3/8	27-9/16	1-3/16	14-3/16	19/32	47-9/16	11-15/32	49-7/32



# APPLICATION GUIDELINES



## General Mounting - High and Low Static Ducted Units

Table 152: Low Static Ducted L1, L2, L3 Suspension Bolt Positions.

Frame	Dimension (inches)									
	A	B	C	D	E	F	G	H	I	J
L1	28-7/8	30-3/8	24-3/4	27-9/16	1-7/16	7-1/2	13/16	26	6-1/8	27-9/16
L2	36-3/4	38-1/4	24-3/4	27-9/16	1-7/16	7-1/2	13/16	33-7/8	6-1/8	35-7/16
L3	44-5/8	46-1/8	24-3/4	27-9/16	1-7/16	7-1/2	13/16	41-3/4	6-1/8	43-5/16

### General Mounting Procedure

1. Select and mark the areas where the hanging bolts must be placed.
2. Drill the holes.
3. Install the unit horizontally using a level gauge.

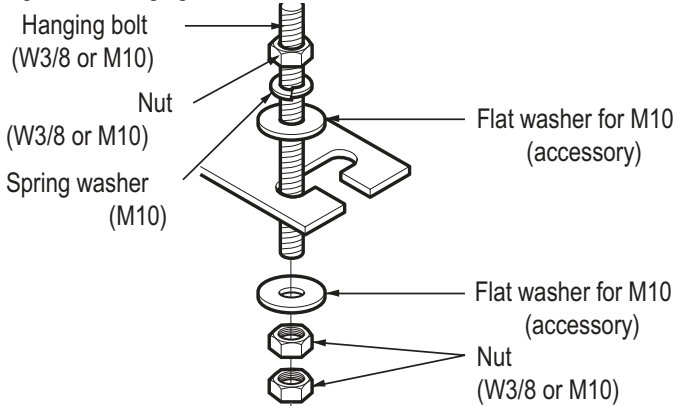
### ⚠ WARNING

Do not damage power wiring during installation. There is risk of electric shock, which may result in physical injury or death.

### Note:

Do not damage power wiring during installation. There is a risk of equipment malfunction, which may result in property damage.

Figure 63: Hanging Bolt Installation.



The following parts are field supplied:

- Hanging bolt - W-3/8" or 1/2"
- Nut - W-3/8" or M10
- Spring washer - M10

Included with the indoor unit:

- Flat washer - M10

### ⚠ WARNING

The threaded rod hangers (bolts) and hardware must be securely tightened to prevent the unit from falling from its installation location. There is a risk of personal injury from falling equipment.

Figure 62: Low Static Ducted Bolt Locations.

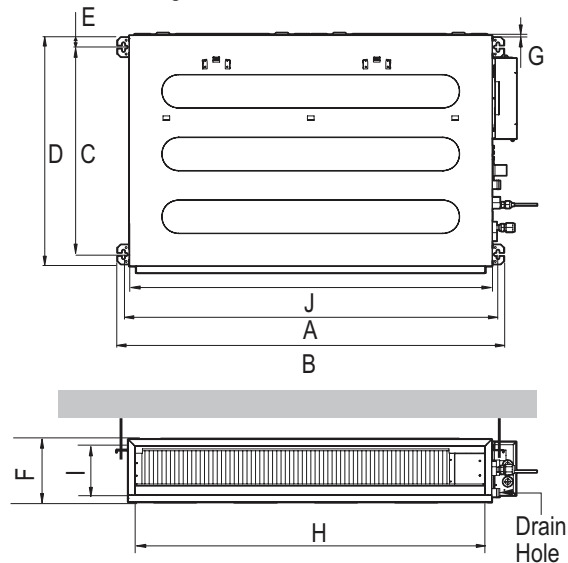


Figure 61: Drilling Holes for the Hanging Bolts.

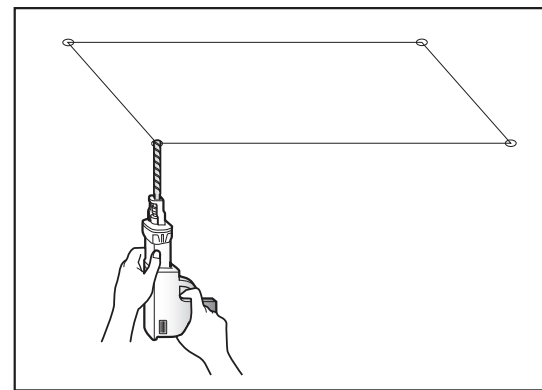
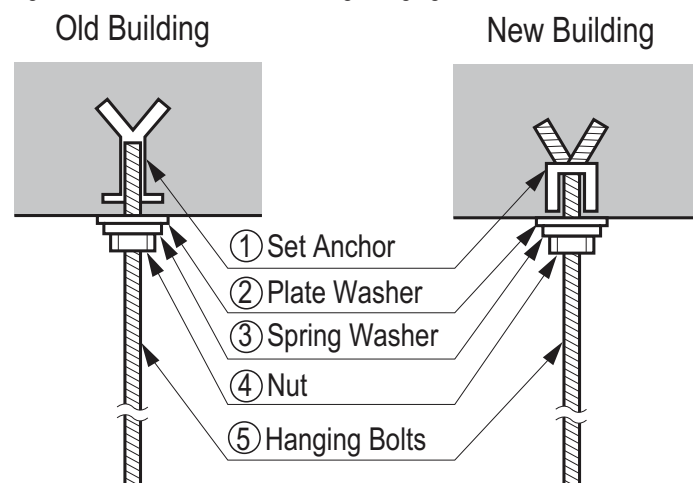


Figure 64: Old Versus New Building Hanging Bolt Installation.



### General Mounting - Vertical / Horizontal Air Handler Units

Vertical / horizontal air handler units can be installed either in an upflow or a horizontal-left position.

#### General Guidelines

- Support platforms must be sturdy enough to support the air handler unit plus any accessories including filter boxes. The size of the support must be bigger than the air handler unit; the unit itself must be placed at the center of the support.
- Vibration isolators (field-supplied) must be installed between the air handler unit and the support(s).
- Upflow installation has to be applied if a return plenum and a supply duct are present.
- Secure the plenum to support adapters and duct work.
- To prevent air leaks, seal all ducts following local codes.
- Follow all relevant building codes in installations in which an external condensate pan may be necessary. Supports for air handler units must be located in or above the external condensate pan.

#### Specific Guidelines for Horizontal-Left Installation

- Units must not be installed where the access panels face up or down, nor where filter access is obstructed.
- If the air handler unit is suspended, use angled steel brackets with threaded rods as support.
- To ensure proper condensate drainage, the air handler unit must be installed so it is within 1/8" level of its length and width.

Figure 65: Upflow Installation.

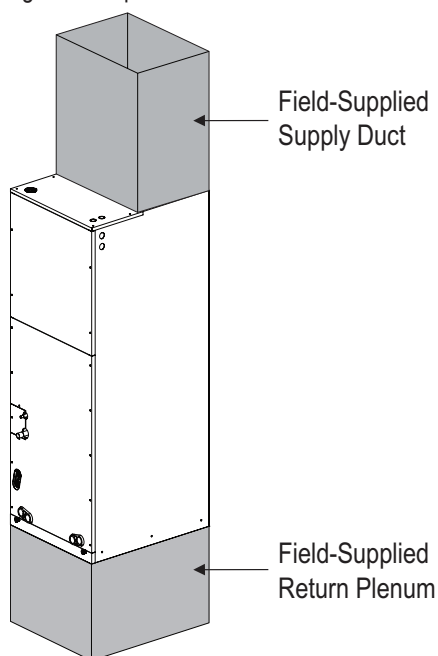


Figure 66: Horizontal-Left Installation.

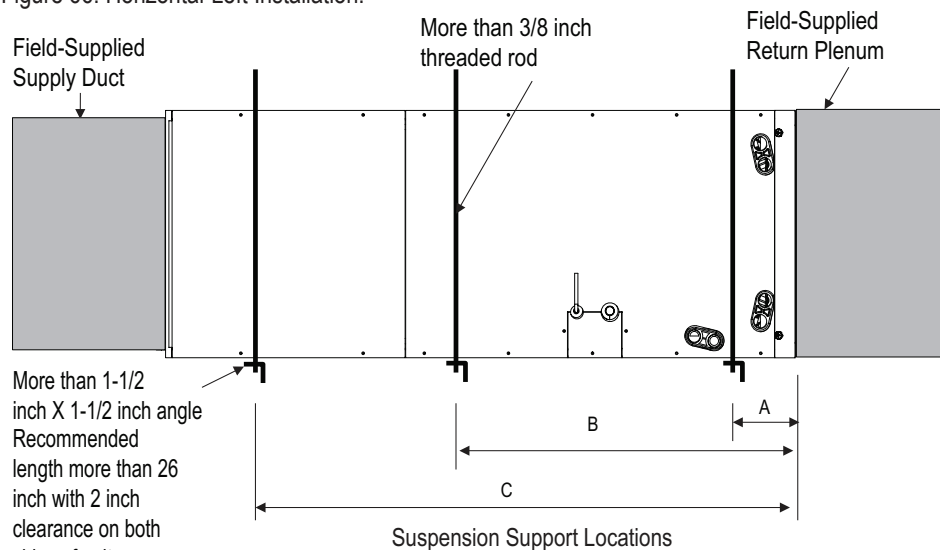


Table 153: Horizontal-Left Installation Dimensions.

Model No.	Capacity (Btu/h)	Dimensions (inches)		
		A	B	C
NJ Frames				
ARNU123NJA4	12,000	4	23	41-3/8
ARNU183NJA4	18,000			
ARNU243NJA4	24,000			
ARNU303NJA4	30,000			
ARNU363NJA4	36,000			
NK Frames				
ARNU423NKA4	42,000	4	29	48
ARNU483NKA4	48,000			
ARNU543NKA4	54,000			

# APPLICATION GUIDELINES

## General Mounting - Vertical / Horizontal Air Handler Units

### Duct Work For Vertical / Horizontal Air Handler Units

- Use at least ten (10) M4-25L screws when attaching the supply duct to the vertical-horizontal air handler unit.
- To prevent vibration transmission, install flexible connectors between the supply duct and the vertical-horizontal air handler unit. If an electrical heater is included, the flexible connector must be constructed from a heat-resistant material.
- When routed through unconditioned spaces, ducts must be insulated and covered with vapor barriers.
- Internal acoustical insulation lining may be necessary for a metal duct system if it does not have a 90° elbow and ten (10) feet of main duct to the first branch takeoff.
- Fibrous ducts could be used as a substitute if built and installed in accordance with the most recent edition of the Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) Construction Standard.
- Fibrous ducts and acoustical linings must follow National Fire Protection Association (NFPA) Standards 90A or 90B as tested by UL Standard 181 for Class 1 ducts.
- Seal around the ducts to prevent air leaks.

Figure 67: Attaching Ducts to the Vertical / Horizontal Air Handler Unit.

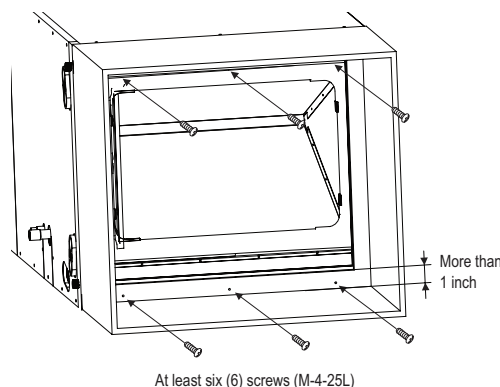
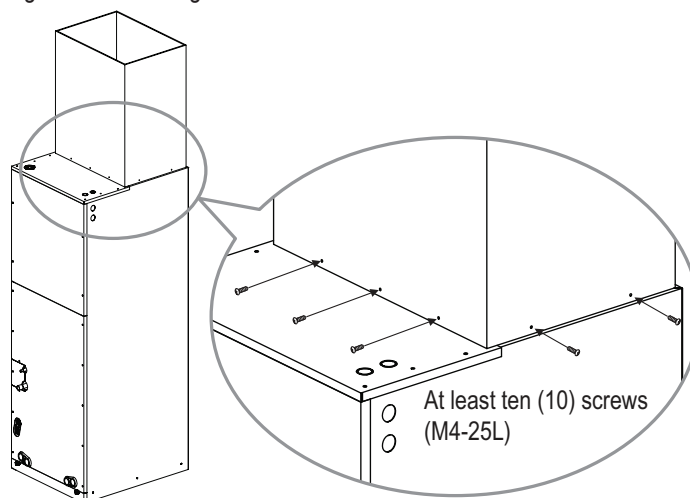
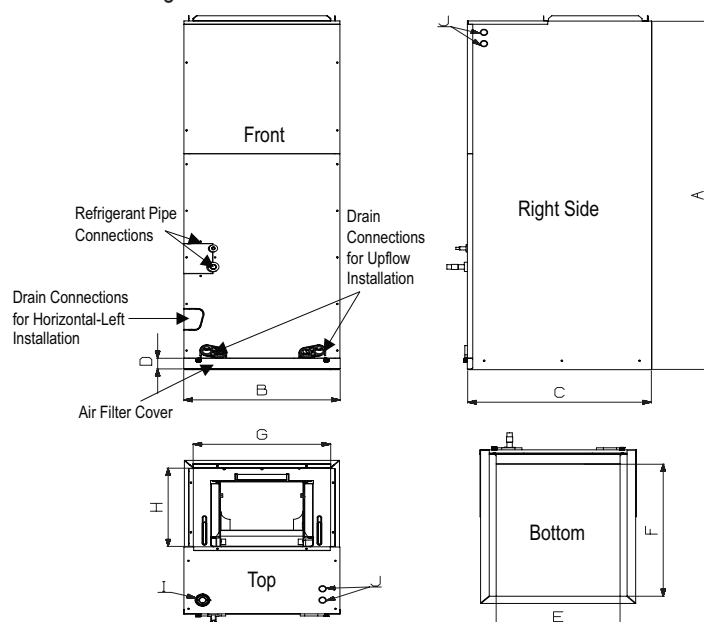


Table 154: Vertical / Horizontal Air Handler Unit Duct Connection Dimensions Table.

Model No.	Dimensions (inches)							
	A Height	B Width	C Depth	D	E	F	G	H
<b>NJ Frames</b>								
ARNU123NJA4	48-5/8	18	21-1/4	1-9/16	17-1/2	20	17	12-1/8
ARNU183NJA4								
ARNU243NJA4								
ARNU303NJA4								
ARNU363NJA4	48-5/8	18	21-1/4	1-9/16	17-1/2	20	17	12-1/8
<b>NK Frames</b>								
ARNU423NKA4	48-5/8	25	21-1/4	1-9/16	24-1/2	20	24	12-1/8
ARNU483NKA4								
ARNU543NKA4								

Figure 68: Vertical / Horizontal Air Handler Unit Duct Connection Dimensions Diagram.



### General Drain Piping Information

All ducted indoor units generate water during cooling operation, therefore, how to properly handle this condensation must be considered. Depending on the location of the indoor unit, condensation can be drained directly to the outside of the building, or a common indoor unit drainage piping system can be installed.

#### Ducted Unit Drain Information

High Static and Low Static Ducted indoor units include factory-installed drain pumps. When the bottom surface of the indoor unit is at an elevation below the receiving building drain line connection, install an inverted trap at the top of the condensate pump discharge riser before connection to the building drain pipe.

When the receiving drain line is mounted horizontal, connect the inverted trap to the top half of the pipe. The connection point of the inverted trap to the building drain pipe must always be to the top half of the pipe and must never be over 45° either side of the upper most point of the horizontal building drain line.

If connecting to a vertical drain line or plumbing system vent line, connect the IDU condensate pump discharge line using a Y-45 fitting with the double end of the Y-45 fitting facing up. When connecting to a vertical drain line include an inverted trap at the top of the IDU condensate pump discharge riser before connection to the Y-45 fitting.

#### Vertical / Horizontal Air Handler Unit Drain Information

Vertical / Horizontal Air Handler units have a gravity drain.

- Avoid blocking filter access panel when connecting the condensate drain lines.
- An additional external condensate line must run from the unit into the pan.
- The entire condensate line must be drained from the external condensate pan.
- Point the drain hose downward for easy drain flow.
- Do not use pipe joint connection or PVC/CPVC for the unit drain line connection. Use Teflon® tape.

#### Note:

A field-supplied external condensate pan must be installed underneath the entire vertical / horizontal air handler unit. If not, damage may result due to condensate overflow.

Table 155: Indoor Unit Drainage Specifications.

Indoor Unit	Drain Type	Drain Pipe Dia. (ID, in.)
BH, B8, M2, M3 Frame High Static Ducted	27-1/2 in. Lift Drain Pump, Factory Installed	Ø1
L1, L2, L3 Frame Low Static Ducted		
NJ, NK Frame Vertical / Horizontal Air Handler Unit	Gravity	Ø1

#### Flexible Drain Hose

Ducted indoor units and vertical / horizontal air handler units include a factory-provided flexible drain hose (with one or two clamps) to connect the indoor unit to the drain piping / drain piping system.

Figure 69: High Static and Low Static Ducted Indoor Unit Drain Pump to Drain Piping System.

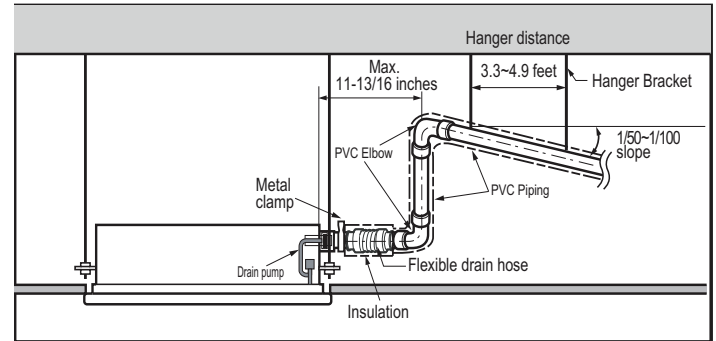


Figure 70: Vertical / Horizontal Air Handler Unit Drain Piping System.

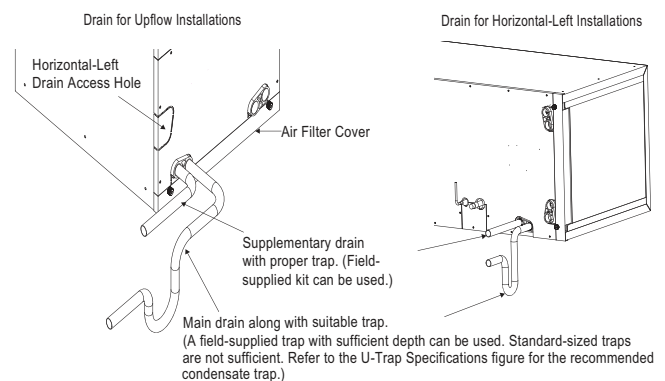


Figure 71: Vertical / Horizontal Air Handler Unit U-Trap Specifications.

- Install the U-Trap to prevent leaks caused by blocking the intake air filter.

#### Applied U-Trap Dimensions

- A ≥ 2-9/16 inch
- B ≥ 2C
- C ≥ 2 x SP
- SP = External Pressure (in. WG)
- Ex) External Pressure = 0.4 in. WG
- A ≥ 2-9/16 inches
- B ≥ 1-7/12 inches
- C ≥ 13/16 inches

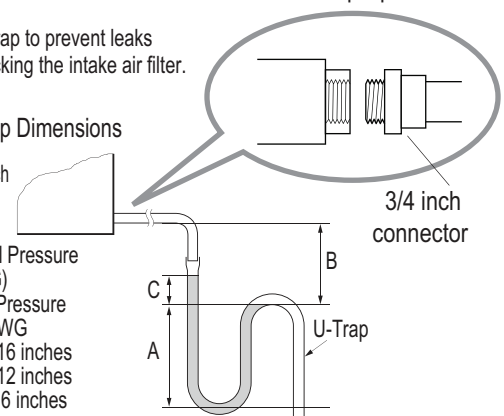


Figure 72: Flexible Drain Hose Connection.



# APPLICATION GUIDELINES

## General Drain Piping Information

### Drain Piping

- Drain piping must have down slope (1/50 to 1/100).
- Any holes through the ceilings, walls, etc., must be large enough to accommodate the drain piping and insulation.
- To prevent reversal flow, do not provide up and down slope.
- For High Static and Low Static Ducted Units, the outside diameter of the drain connection is 1-1/4 to 1-1/8 inches (depending on model).
- For Vertical / Horizontal Air Handling Units, use PVC with a 3/4 inch male pipe thread fitting for the condensate pan.
- For High Static and Low Static Ducted Units, the drain piping material is polyvinyl chloride pipe (1 inch).

### Drain Leak Test

A leak test must be performed 24 hours after the drainage system has been installed.

### Drain Pipe Insulation

Install field supplied polyethylene foam insulation 5/16 inch thick or greater on the flexible drain pipe and position snugly against indoor unit.

### Note:

Ensure the indoor unit, refrigerant piping, drain piping, and power wiring / communication cables are properly supported with anchor bolts and clamp hangers positioned at 3.3 to 4.9 foot intervals.

### Common Indoor Unit Drainage System

It is usual work practice to connect individual indoor unit drain pipes to one common indoor unit drainage system.

The diameter of the common vertical drain pipe must be as large as necessary. The diameter of the horizontal pipe must be the same or larger than the vertical drain pipe. To avoid property damage in the event of the primary drain becoming clogged, and to optimize drain system performance, it may be prudent to install a secondary drain line.

Design the drain system to plan for winter operation (condensate line may freeze up if condensate does not properly drain away). Drain all generated condensate from the external condensate pan to an appropriate area. Install a trap in the condensate lines as near to the indoor unit coil as possible. To prevent overflow, the outlet of each trap must be positioned below its connection to the condensate pan. All traps must be primed, insulated, and leak tested.

Figure 73: Drain Piping Slope.

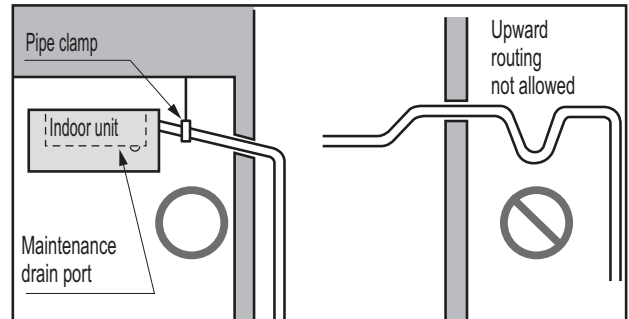
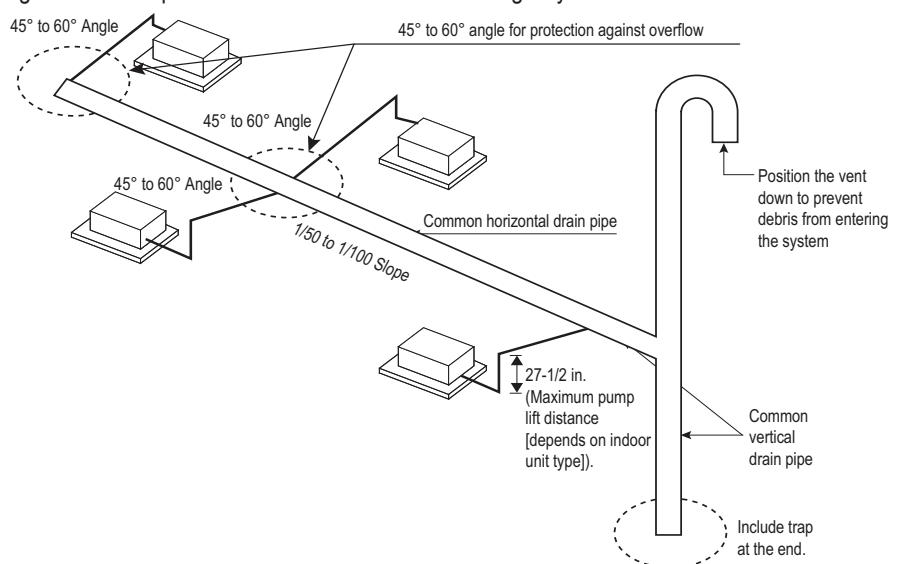


Figure 74: Example of a Common Indoor Unit Drainage System.



### Note:

- It is recommended that a dedicated drain pipe be installed for the air conditioning system. If the indoor unit drainage system is shared with a rainwater drain, waste water, or any other type of building drain system, back flow, leaks, ice may form, or noxious odors may infiltrate the air conditioning system.
- Install a trap if the drain access to the outside faces an undesirable location (i.e., sewer), otherwise, noxious odors may infiltrate the air conditioning system.

### General Power Wiring / Communications Cable Guidelines

- Follow manufacturer's circuit diagrams displayed on the inside of the control box cover.
- Have a separate power supply for the indoor units.
- Provide a circuit breaker switch between the power source and the indoor unit.
- Confirm power source specifications.
- Confirm that the electrical capacity is sufficient.
- Starting current must be maintained  $\pm 10$  percent of the rated current marked on the name plate.
- Confirm wiring / cable thickness specifications:
  - Power wiring is field supplied. Wire size is selected based on the larger MCA value, and must comply with the applicable local and national codes.
  - Communication cable must be a minimum of 18 AWG, two-conductor, twisted, stranded, shielded, and must comply with the applicable local and national codes. Ensure the communication cable is properly grounded at the master outdoor unit only. ⓧ Do not ground the ODU-IDU communications cable at any other point.
- It is recommended that a circuit breaker is installed, especially if conditions could become wet or moist.
- Include a disconnect in the power wiring system. Add an air gap contact separation of at least 1/8 inch in each active (phase) conductor.
- Any openings where the field wiring enters the cabinet must be completely sealed.

### ⚠ WARNING

- Terminal screws may loosen during transport. Properly tighten the terminal connections during installation or risk electric shock, physical injury or death.
- Loose wiring may cause the wires to burnout or the terminal to overheat and catch fire. There is a risk of electric shock, physical injury or death.

### Note:

- Terminal screws may loosen during transport. Properly tighten the terminal connections during installation or risk equipment malfunction or property damage.
- Loose wiring may cause unit malfunction, the wires to burnout or the terminal to overheat and catch fire. There is a risk of equipment malfunction or property damage.

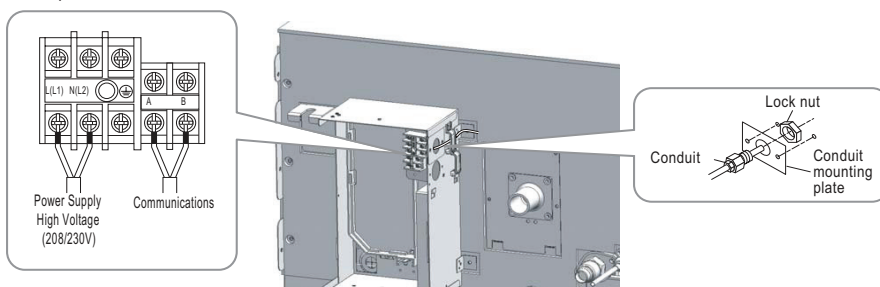
A voltage drop may cause the following problems:

- Magnetic switch vibration, fuse breaks, or disturbance to the normal function of an overload protection device.
- Compressor will not receive the proper starting current.

### Power Wiring and Communications Cable Connections

1. Insert the power wiring / communications cable from the outdoor unit or heat recovery unit (Heat Recovery systems only) using the designated path in the indoor unit.
2. Connect each wire to its appropriate terminal on the indoor unit control board. Verify that the color and terminal numbers from the outdoor unit or heat recovery unit (Heat Recovery systems only) wiring match the color and terminal numbers on the indoor unit.
3. Secure the power wiring / communications cable.

Figure 75: Location of Power Wiring / Communications Cable Terminals in the High Static BH, B8 and Low Static L1, L2, L3 Ducted Indoor Units (Appearances Vary Depending on Model).





# APPLICATION GUIDELINES



## Wiring Guidelines

Figure 76: Location of Power Wiring / Communications Cable Terminals in the High Static M2, M3 Ducted Indoor Units.

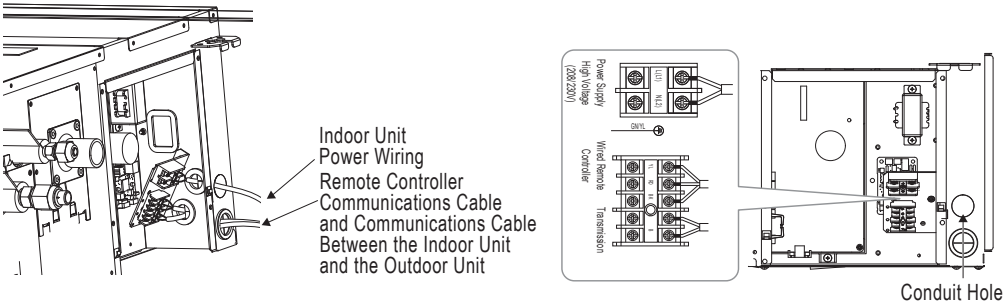


Figure 77: Location of Power Wiring / Communications Cable Terminals in the Vertical / Horizontal Air Handler Unit.

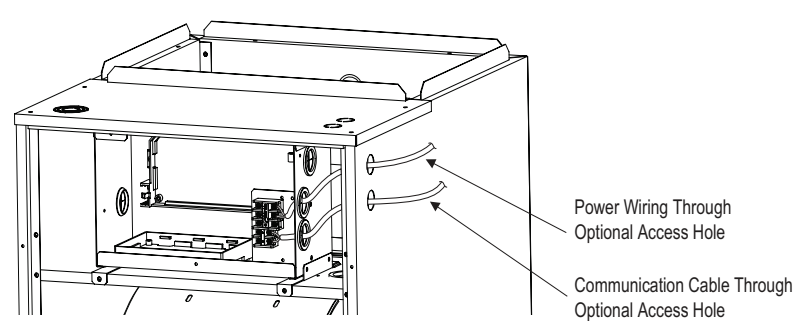


Figure 78: Terminal Block in the High Static BH Ducted Indoor Units.

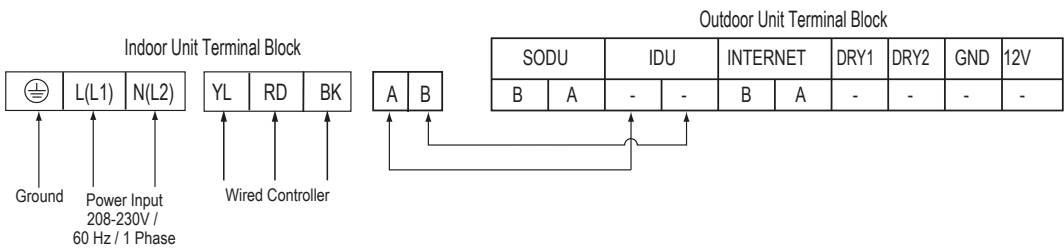


Figure 79: Terminal Block in the High Static B8 Ducted Indoor Units.

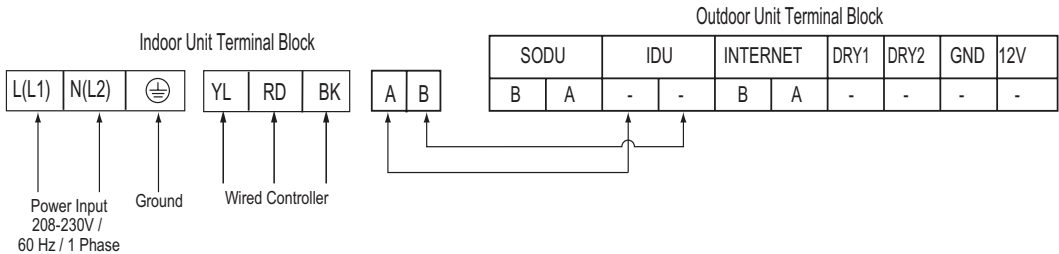


Figure 80: Terminal Block in the High Static M2, M3 Ducted Indoor Units.

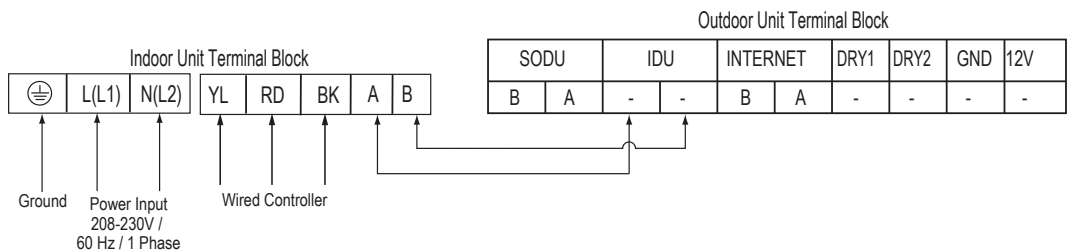


Figure 81: Terminal Block in the Low Static L1, L2, L3 Ducted Indoor Units.

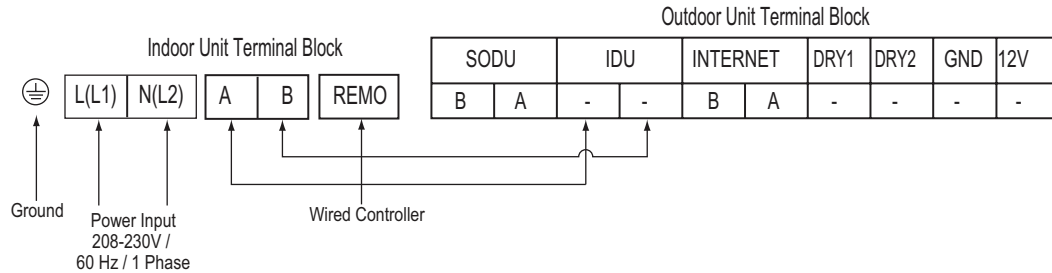
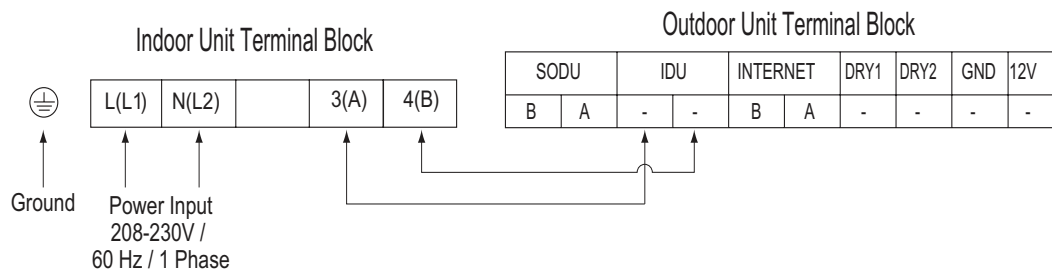


Figure 82: Terminal Block in the Vertical / Horizontal Air Handler Units.



## Wired Controller Placement

Wired controllers include a sensor to detect room temperature. To maintain comfort levels in the conditioned space, the wired controller must be installed in a location away from direct sunlight, high humidity, and where it could be directly exposed to cold air. Controller must be installed four (4) to five (5) feet above the floor where its LED display can be read easily, in an area with good air circulation, and where it can detect an average room temperature.

**Do not install the wired controller near or in:**

- Drafts or dead spots behind doors and in corners

- Hot or cold air from ducts
- Radiant heat from the sun or appliances
- Concealed pipes and chimneys
- An area where temperatures are uncontrolled, such as an outside wall

Figure 83: Proper Location for the Wired Controller.

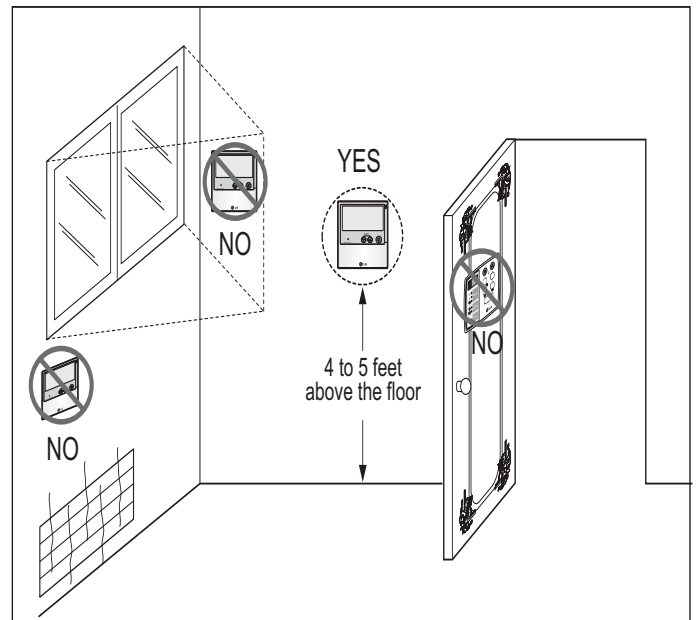




Table 156: Acronym Table.

ABS	Acrylonitrile Butadiene Styrene	IDU	Indoor Unit
AC	Air Conditioner/Alternate Current	kW	Kilowatts
ACP	Advanced Control Platform	in Aq	inches water
AHU	Air Handling Unit	ISO	International Standards Organization
ASHRAE	American Society of Heating, Refrigeration, and Air Conditioning	LATS	LG Air Conditioning Technical Solution software
ASTM	American Society for Testing and Materials	LED	Light Emitting Diode
AWG	American Wire Gauge	LEED	Leadership in Energy and Environmental Design
AWHP	Air-to-Air Water Heat Pump	MBh	Thousands BTUs per hour
BLDC	Brushless Digitally-Controlled	MCA	Minimum Circuit Ampacity
BTL	BACnet® Testing Laboratories	mm	Millimeter
Btu/h	British Thermal Unit per Hour	MOP	Maximum Overcurrent Protection
CAA	Clean Air Act	OD	Outside Diameter
CFM	Cubic Feet per Minute	ODU	Outdoor Unit
CFR	Code of Federal Regulations	PI	Power Input
DB	Dry Bulb	PTAC	Packaged Terminal Air Conditioner
dB(A)	Decibels with “A” frequency weighting	SHC	Sensible Heat Capacity
DPST	Double-Pole Single Throw	SMACNA	Sheet Metal & Air Conditioning Contractors’ National Association
DX	Direct expansion	RPM	Revolutions per Minute
EEV	Electric Expansion valve	TC	Total Capacity
EPDM	Ethylene Propylene Diene M-Class Rubber	USD	United States Dollar
EMF	Electromagnetic Field	UL	Underwriters Laboratories
ESP	External Static Pressure	V	Voltage
ETL	Electric Testing Laboratories	VAV	Variable Air Volume
GND	Ground	VRF	Variable Refrigerant Flow
H/M/L	High/Medium/Low	W	Watts
HVAC	Heating, Ventilating and Air Conditioning	WB	Wet Bulb
Hz	Hertz	wg	Water Gauge
ID	Inside Diameter		



LG Electronics, U.S.A., Inc.  
Air Conditioning Technologies  
4300 North Point Parkway  
Alpharetta, Georgia 30022  
[www.lghvac.com](http://www.lghvac.com)

EM\_MultiV\_Ducted\_IndoorUnits\_03\_20  
Supersedes: EM\_MultiV\_Ducted\_IndoorUnits\_10\_19  
EM\_MultiV\_Ducted\_IndoorUnits\_05\_19  
EM\_MultiV\_Ducted\_IndoorUnits\_03\_19  
EM\_MultiV\_Ducted\_IndoorUnits\_8\_17  
EM\_MultiV\_Ducted\_IndoorUnits\_11\_16  
EM\_MultiV\_Ducted\_IndoorUnits\_8\_16  
EM\_MultiV\_Ducted\_IndoorUnits\_4\_16