



HYDRO KIT

LG Air Conditioning Technologies

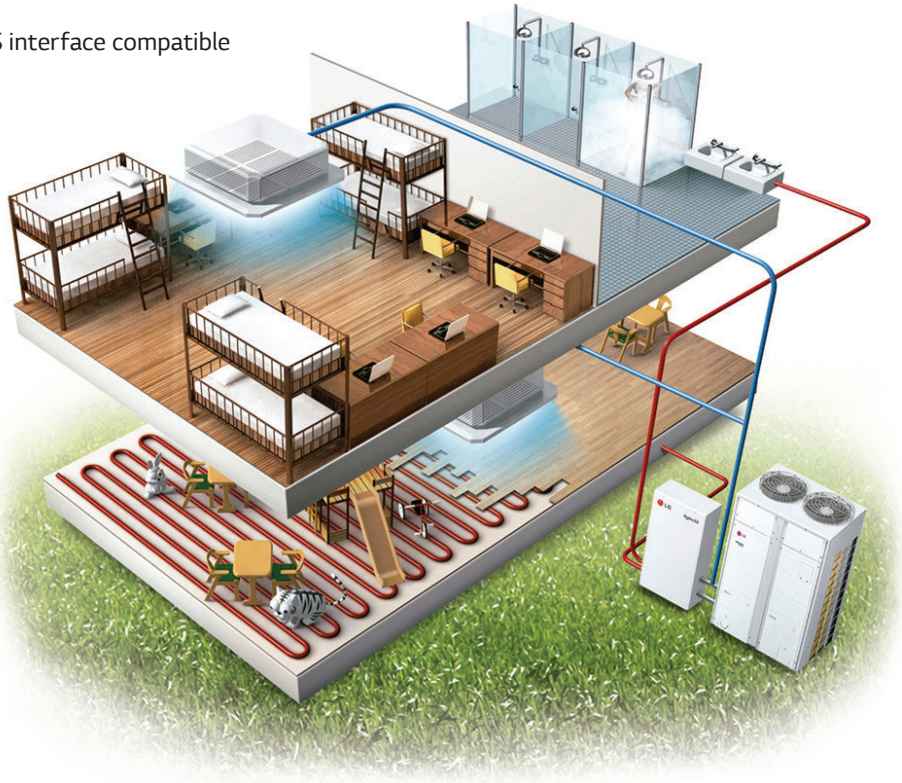


HOW HYDRO KIT WORKS

The Hydro Kit system uses a refrigerant-to-water heat exchanger to produce chilled or heated water. The Hydro Kit can be used to preheat domestic water stored in an indirect storage tank, snow melt, in-floor or other radiant heating systems. The Hydro Kit can also supply chilled or heated water for use with two-pipe fan coils. The LG Hydro Kit may be used with LG Multi V, Multi V Water IV, and Multi V S systems.

Features & Benefits

- Provides hot water and floor heating with less energy consumption than a boiler
- No exhaust or exhaust piping required
- Compact and easy to install
- LG Central controller and BMS interface compatible
- Flexible design options



Applications

- Universities
 - Offices
 - Schools
 - Hospitals
- Hotels
 - Retail stores
 - Restaurants
 - Multi-use facilities



HYDRO KIT



ARNH423K2A4
ARNH963K2A4

| Specifications | | Unit | ARNH423K2A4 | ARNH963K2A4 |
|--------------------------|----------------------------------|------------|----------------------------|----------------------------|
| Cooling Mode Performance | Rated Capacity ¹ | Btu/h | 42,100 | 95,900 |
| | Entering Water Temp Range | °F | 50-96 | 50-96 |
| | Leaving Water Temp Range | °F | 41-77 | 41-77 |
| | Indoor Air Temp Setpoint Range | °F | 64-86 | 64-86 |
| Heating Mode Performance | Rated Capacity ¹ | Btu/h | 47,200 | 170,500 |
| | Entering Water Temp Range | °F | 59-113 | 59-113 |
| | Leaving Water Temp Range | °F | 68-122 | 68-122 |
| | Indoor Air Temp Setpoint Range | °F | 64-86 | 64-86 |
| | Hot Water Tank Setpoint Range | °F | 86-122 | 86-122 |
| Unit Data | Refrigerant Type | | R410A | R410A |
| | Refrigerant Control | | EEV | EEV |
| | Sound Pressure ² | dB(A) | 26 | 26 |
| | Net Unit Weight | lbs | 67 | 77 |
| | Shipping Weight | lbs | 79 | 89 |
| | Dimensions (W × H × D) | | 20-1/2 × 24-13/16 × 15-7/8 | 20-1/2 × 24-13/16 × 15-7/8 |
| | Heat Rejected to Equipment Room | Btu/h | Negligible | Negligible |
| | Oil Type | | - | - |
| Heat Exchanger | Material/Type | | 316 Stainless/Brazed Plate | 316 Stainless/Brazed Plate |
| | Rated Water Flow | GPM | 10.4 | 24.3 |
| | Rated Pressure Drop ³ | ft-wg | 13.7 | 23.1 |
| | Range of Flow | GPM | 5.3-10.4 | 8-24.3 |
| | Waterside Volume | US Gallons | 0.31 | 0.58 |
| | Waterside Design Pressure | psig | 640 | 640 |
| Piping | Liquid Line (OD) | inches | 3/8 Braze | 3/8 Braze |
| | Vapor Line (OD) | inches | 5/8 Braze | 7/8 Braze |
| | Condensate Line (ID) | inches | 1-MPT | 1-MPT |
| | Water Inlet/Outlet (ID) | inches | 1-MPT | 1-MPT |
| Electrical Data | MCA | A | 0.1 | 0.1 |
| | MOP | A | 15 | 15 |
| | Rated Amps | A | 0.08 | 0.08 |
| | Power Supply | V / Hz / ø | 208-230/60/1 | 208-230/60/1 |
| | Power Input (Cooling/Heating) | Watts | 0.01/0.01 | 0.01/0.01 |

1. All capacities are net, with a combination ratio between 95 and 100%.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. Water only (no antifreeze).

The combination ratio range for dedicated use (all Hydro Kit units) is 50% - 100%. The combination ratio range for mixed use (Hydro Kit mixed with indoor units) is 50% - 130%.



AHRI Certified, Variable Refrigerant Flow (VRF) Multi-Split AC and HP AHRI Standard 1230

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