

Job Name/Location:

Tag No.:

Date:

For:	File	Resubmit
	Approval	Other

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

ZRNH423K2AA

R32 Multi V 42MBh Medium Temperature
Hydro Kit

**General:**

Factory Charge Type	Dry Nitrogen
---------------------	--------------

Performance:

Rated Cooling Capacity (Btu/h)	42,100
Rated Heating Capacity (Btu/h)	47,200
Heat Rejected to Equip. Rm.	Negligible

Electrical Characteristics:

Power Input (Cooling) (kW)	0.01
Power Input (Heating) (kW)	0.01
Rated Amps (A)	0.13
MCA (A)	0.17
MOP (A)	15
Power Supply (V,HZ,PH)	208-230/60/1

Refrigeration:

Liquid Piping Size (in.)	3/8 Braze
Vapor Piping Size (in.)	5/8 Braze
Heat Exchanger	Refrigerant to Water
Heat Exchanger Type	316 Stainless / Brazed Plate
Refrigerant Type	R32
Refrigerant Control	EEV

Condensate:

Condensate Outlet (in., O.D.)	1, Male Pipe Thread
-------------------------------	---------------------

Hydronic Section:

Rated Water Flow (GPM) (gal)	10.4
Water Flow Range (GPM)	5.3 - 10.4
Cooling Mode Entering Water Temp	50 - 95
Cooling Mode Leaving Water Temp	41 - 77
Heating Mode Entering Water Temp	50 - 122
Heating Mode Leaving Water Temp	68 - 122
Pressure Drop (ft-wg)	13.7
Water Side Design Pressure (PSI)	640
Water Side Volume (gal)	0.31
Water Piping Connection Size (Inlet, in.)	1, Male Pipe Thread
Water Piping Connection Size (Outlet, in.)	1, Male Pipe Thread

Weight:

Unit Net Weight (lbs)	71.2
Unit Shipping Weight (lbs)	78.9

Sound:

Sound Pressure: Cooling Mode (dB(A))	26
Sound Pressure: Heating Mode (dB(A))	26

Standard Features:

- Water cooling and medium temperature heating.
- Domestic water heating (requires the use of an indirect water storage tank).
- Cold surface insulation.
- Factory mounted inlet / outlet water temperature sensors.
- Wi-Fi compatible.
- Factory mounted internal flow switch.
- Third-party thermostat interface (Field provided and mounted. Must be a 208V, 24V or mechanical type, field adjustable heating only or cooling / heating with a manual changeover. Cooling and heating setpoint, deadband, and manual restart functions provided by Hydro Kit Controller are not available with use of a third-party thermostat. Cannot be used in conjunction with remote temperature sensor).
- Remote on / off site monitoring capability via the internet (Monitoring capability available using a MultiSITE Communication Manager, AC Smart 5, or ACP 5 sold separately).

Water Flow Control Options:

- Water Pump On / Off Interlock.
- 208V 3-Way Diverting Valve (Sold separately. Not required on dedicated domestic water heating applications; Alternates flow between comfort cooling / heating equipment and water heating tank; Shut-off flow to in-floor heating circuit while operating in cooling mode).
- 208V 2-Way Heating Circuit Isolation Valve (Sold separately. Not required on dedicated domestic water heating applications; Alternates flow between comfort cooling/heating equipment and water heating tank; Requires the use of an indirect water storage tank).

Included Accessories:

- Hot Water Tank Temp Sensor with 32-foot Communication Cable (Field mounted; Cannot field splice: To extend cable length, use Group Control Extension Cable [PZCWRC1], sold separately).
- 1 / 2" Male Pipe Thread (MPT) Hot Water Tank Sensor Well (Field mounted).
- Wall Mounted Hydro Kit Controller with 32-foot Communication.
- Cable (Field mounted; Cannot field splice: To extend cable length, use Group Control Extension Cable [PZCWRC1], sold separately).
- 1" Female Pipe Thread (FPT) 50 Mesh Inlet Strainer (Field mounted).

Optional Accessories:

- ☐ 30 ft Extension Cable for Wired Thermostat - PZCWRC1

Controller Options:

- ☐ ACP 5 - PACP5A000
- ☐ AC Smart 5 - PACS5A000
- ☐ MultiSite CM + Initial SMA 1yr - PBACNBTR0A
- ☐ Dry Contact Module - AC 24V from Outside Power Source - PDRYCB100
- ☐ Dry Contact for 3rd Party Thermostat - PDRYCB300
- ☐ ACP LonWorks Gateway - PLNWKB100
- ☐ ThinQ RF Dongle - PWFMD202
- ☐ Button Temperature Sensor - ZRTBS01

Notes:

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Voltage fluctuation tolerance is $\pm 10\%$.
3. Sound pressure levels tested in an anechoic chamber in accordance with ISO Standard 3475.
4. LonWorks® is a registered trademark of Echelon Corporation.
5. Must follow installation instructions in the applicable LG engineering and installation manuals.



ZRNH423K2AA

R32 Multi V 42MBh Medium Temperature Hydro Kit

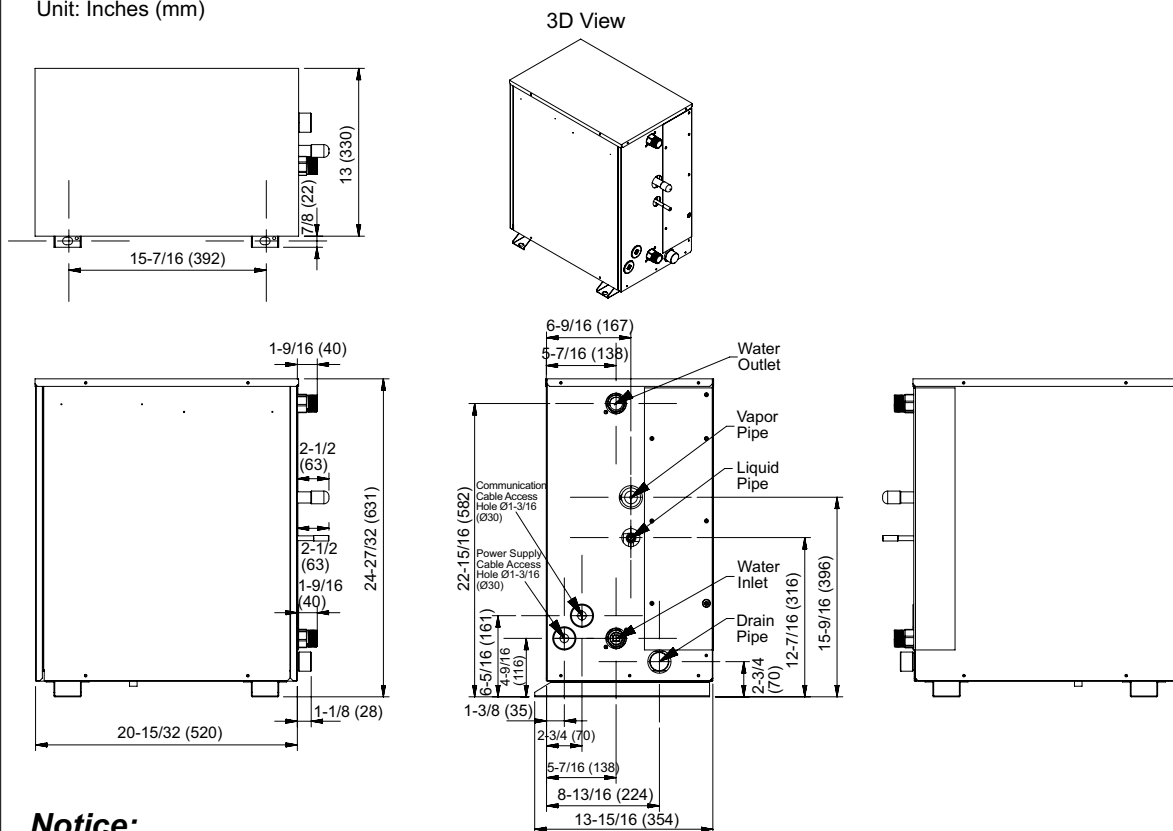


Tag No.: _____

Date: _____

PO No.: _____

Unit: Inches (mm)



Notice:

1. The unit must be installed in compliance with the installation manual.
2. Power to the unit must be grounded in accordance with all applicable state, local, and national regulations and codes.
3. All field-supplied electrical components and materials must comply all applicable state, local, national, and international regulations and codes.