

Job Name/Location:

Tag No.:

Date:

For: File Resubmit

PO No.:

Approval Other

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

ARNH423K3A4

Hydro Kit High Temperature

42 MBh Indoor Unit



Performance:

Rated Heated Capacity (Btu/h)	47000
Entering Water Temperature Range (°F)	50 - 158
Leaving Water Temperature Range (°F)	86 - 176

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.

Electrical:

Power Supply (V/Hz/Ø) ¹	208-230/60/1
Power Input (kW)	2.3
MOP (A)	25
MCA (A)	18.2
Rated Amps (A)	12

MOP — Maximum Overcurrent Protection

MCA — Minimum Circuit Ampacity

Piping:

Liquid Line (inches, O.D.)	3/8 Braze
Vapor Line (inches, O.D.)	5/8 Braze
Water Inlet / Outlet (inches, O.D.)	1, Male Pipe Thread

Standard Features:

- High temperature water heating
- Domestic water heating²
- Factory mounted inlet/outlet water temperature sensors
- Wi-Fi compatible with optional module
- Factory mounted internal flow switch
- Third-party thermostat interface^{3,4}
- Group control⁵
- Remote on/off site monitoring capability via the internet⁶

Water Flow Control Options:

- Water Pump On / Off Interlock
- 208V 3-Way Diverting Valve^{3,7,8}

Included Accessories:

- Hot Water Tank Temp Sensor with 32-foot Communication Cable^{9,10}
- 1/2" Male Pipe Thread (MPT) Hot Water Tank Sensor Well⁹
- Remote Wall Mounted Hydro Kit Controller with 32-foot Communication Cable^{9,11}
- 1" Female Pipe Thread (FPT) 50 Mesh Inlet Strainer⁹

Optional Accessories:

- ☐ Dry Contact — PDRYCB320 / PDRYCB100
- ☐ Remote Temperature Sensor — ZRTBS01^{9,12}
- ☐ Group Control Cable Kit — PZCWRCG3⁵
- ☐ Extension Cable — PZCWRC1¹¹
- ☐ LG MultiSITE™ Communications Manager — PBACNBTR0A
- ☐ AC Smart™ 5 — PACS5A000
- ☐ ACP 5 — PACP5A000
- ☐ ACP LonWorks® — PLNWK100
- ☐ Wi-Fi Module — PWFMD200

Unit Data:

Refrigerant Type (Primary / Secondary)	R410A / R134A
Refrigerant Control	EEV
Sound Pressure dB(A) ¹³ Heating	44
Net Weight (lbs.)	189.6
Shipping Weight (lbs.)	207.2
Heat Rejected to Equip. Rm. (Btu/h)	Negligible
Factory Charge (R134A, lbs.) ¹⁴	5.07

Heat Exchanger:

Heat Exchanger	Refrigerant to Water
Heat Exchanger Type	Brazed Plate
Rated Water Flow (GPM)	5.2
Rated Pressure Drop (ft-wg) ¹⁵	1.7
Flow Range (GPM)	5.2 to 10.6
Water Side Volume (US Gallons)	0.58
Water Side Design Pressure (psig)	640

Compressor:

Compressor Type x Quantity	Twin Rotary Inverter x 1
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Notes:

1. Voltage fluctuation tolerance is ±10%.
2. Requires the use of an indirect water storage tank.
3. Field provided and mounted.
4. Field-provided thermostat must be a line voltage (208V) heating only thermostat. 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.
5. Group Control Cable Kit (PZCWRCG3) required and sold separately.
6. Monitoring capability available using a MultiSITE Communication Manager, AC Smart 5, or ACP 5 (sold separately), or a BMS system integration gateway (sold separately). Requires a field provided LAN/internet connection or BMS system provided by others.
7. Not required on dedicated domestic water heating applications.
8. Alternates flow between comfort heating equipment and water heating tank.
9. Field mounted.
10. Cannot field splice.
11. Cannot field splice. To extend cable length, use Extension Cable (PZCWRC1), sold separately.
12. Requires the installation of the Hydro Kit controller. Does not apply when used in conjunction with a third-party thermostat.
13. Sound pressure levels tested in an anechoic chamber in accordance with ISO Standard 3475.
14. Internal second stage refrigerant circuit.
15. Water only (no antifreeze).

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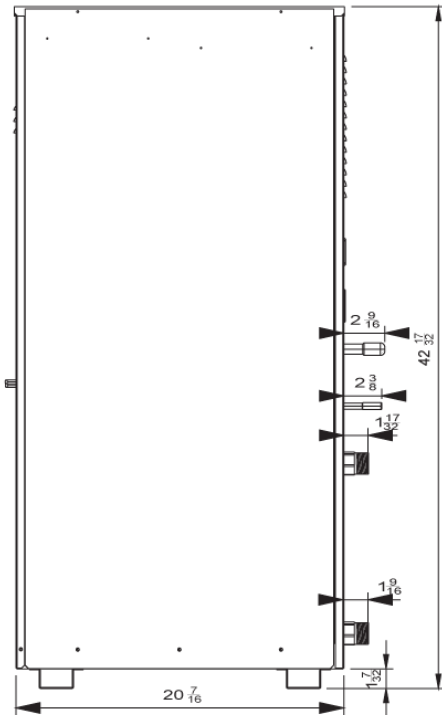
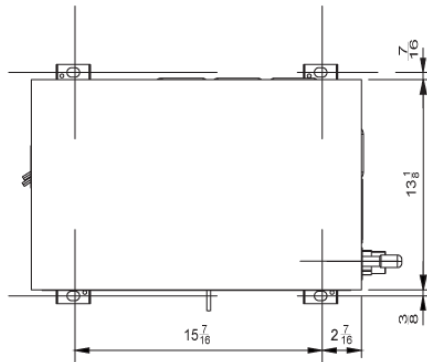


Tag No.: _____

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(Unit: Inch)



Notes:

1. Unit must be installed in compliance with the installation manual.
2. Unit must be grounded in accordance with the local or state regulations and applicable national codes.
3. All field-supplied electrical components and materials must comply with the local, state, and national codes.

3D VIEW

