

Date: \_\_\_\_\_

For:  File  Resubmit  
 Approval  Other \_\_\_\_\_

PO No.: \_\_\_\_\_

Architect: \_\_\_\_\_ GC: \_\_\_\_\_

Engr: \_\_\_\_\_ Mech: \_\_\_\_\_

Rep: \_\_\_\_\_  
 (Company) (Project Manager)

**ARNH763K3B2**  
 Hydro Kit High Temperature  
 86 MBh



**Performance:**

Rated Heating Capacity (Btu/h)	86,000
Entering Water Temperature Range (°F)	50-158
Leaving Water Temperature Range (°F)	86-176

**Air Source Unit:** Bldg Water: 47°F DB/43°F WB  
 Water Temp. Inlet/Outlet: 131°F/149.1°F  
**Water Source Unit:** Bldg Water: 47°F  
 Water Temp. Inlet/Outlet: 131°F/149.1°F  
 Interconnected refrigerant pipe length is 25 ft at 0 elevation change.

**Electrical:**

Power Supply <sup>1</sup> (V/Hz/Ø)	208-230/60/1
Power Input (kW)	5.0
Rated Amps (A)	23.0
MCA (A)	28.8
MOP (A)	50

MCA - Minimum Circuit Ampacity MOP – Maximum Overcurrent Protection

**Piping:**

Liquid Line (in, OD)	3/8 Braze
Vapor Line (in, OD)	3/4 Braze
Water Inlet/Outlet (in, OD)	1.0 MPT
Condensate Outlet (in, OD)	Base Pan Weep Hole

MPT - Male Pipe Thread

**Water Flow Control Options:**

- Water Pump On/Off Interlock
- 208V 3-Way Diverting Valve<sup>2, 3, 4</sup>

**Included Accessories**

- Hot Water Tank Temp Sensor with 32 ft communication cable<sup>5, 6</sup>
- 1/2" MPT Hot Water Tank Sensor Well<sup>5</sup>
- Remote Wall Mounted Hydro Kit Controller with 32 ft communication cable<sup>5, 6A</sup>
- Standby Power Module<sup>5, 7</sup>
- 1" Female Pipe Thread #50 mesh inlet strainer<sup>5</sup>

**Optional Accessories (sold seperately)**

- Dry Contact – PQDSB1
- Remote Temperature Sensor – PQRSTA0<sup>5, 8</sup>
- Wired Remote Group Control Cable Assembly – PZWRCG3

**Unit Data:**

Refrigerant Type	R134A
Refrigerant Control	EEV
Sound Pressure <sup>9</sup> dB(A)	43
Net Weight (lbs)	207
Shipping Weight (lbs)	219
Heat Rejected to Equipment Room (Btu/h)	512
Factory Charge <sup>10</sup> (lbs)	6.6

**Heat Exchanger:**

Heat Exchanger	Refrigerant to Water
Heat Exchanger Type	316 Stainless Brazed Plate
Rated Water Flow (GPM)	9.5
Rated Pressure Drop <sup>11</sup> (ft-wg)	7
Range of Flow (GPM)	5-19
Water Side Volume (US Gallons)	0.58
Water Side Design Pressure (psig)	464

**Compressor:**

Compressor Type	Twin Rotary Inverter
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**Standard Features:**

- High temperature water heating
- Domestic water heating<sup>12</sup>
- Cold surface insulation
- Factory mounted inlet/outlet water temperature sensors
- Factory mounted internal flow switch
- Third party thermostat interface<sup>4, 13</sup>
- Group control<sup>14</sup>
- Remote on/off site monitoring capability via the internet<sup>15</sup>

**Notes:**

- 1.Voltage fluctuation tolerance is ±10%.
- 2.Not required on dedicated domestic water heating applications.
- 3.Alternates flow between comfort heating equipment and water heating tank.
- 4.Field provided and mounted.
- 5.Field mounted.
- 6.Cannot field splice.
- 6A. To extend cable length, use Group Control Extension Cable (PZCWR1), sold separately.
- 7.On power outage, closes EEV valve(s) to prevent heat exchanger freezing.
- 8.Requires the installation of the Hydro Kit controller. Cannot be used in conjunction with 3rd party thermostat.
- 9.Sound pressure levels tested in an anechoic chamber in accordance with ISO Standard 3475.
- 10.Internal second stage refrigerant circuit.
- 11.Water only (no antifreeze).
- 12.Requires the use of an indirect hot water storage tank.
- 13.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 3rd party thermostat. Cannot be used in conjunction with remote temperature sensor.
- 14.Wired Remote Group Control Cable Assembly (PZWRCG3) required and sold separately.
- 15.Monitoring capability available with LG's AC Smart Premium or a BMS system integration gateway (sold separately). Requires a field provided LAN/internet connection or BMS system provided by others.

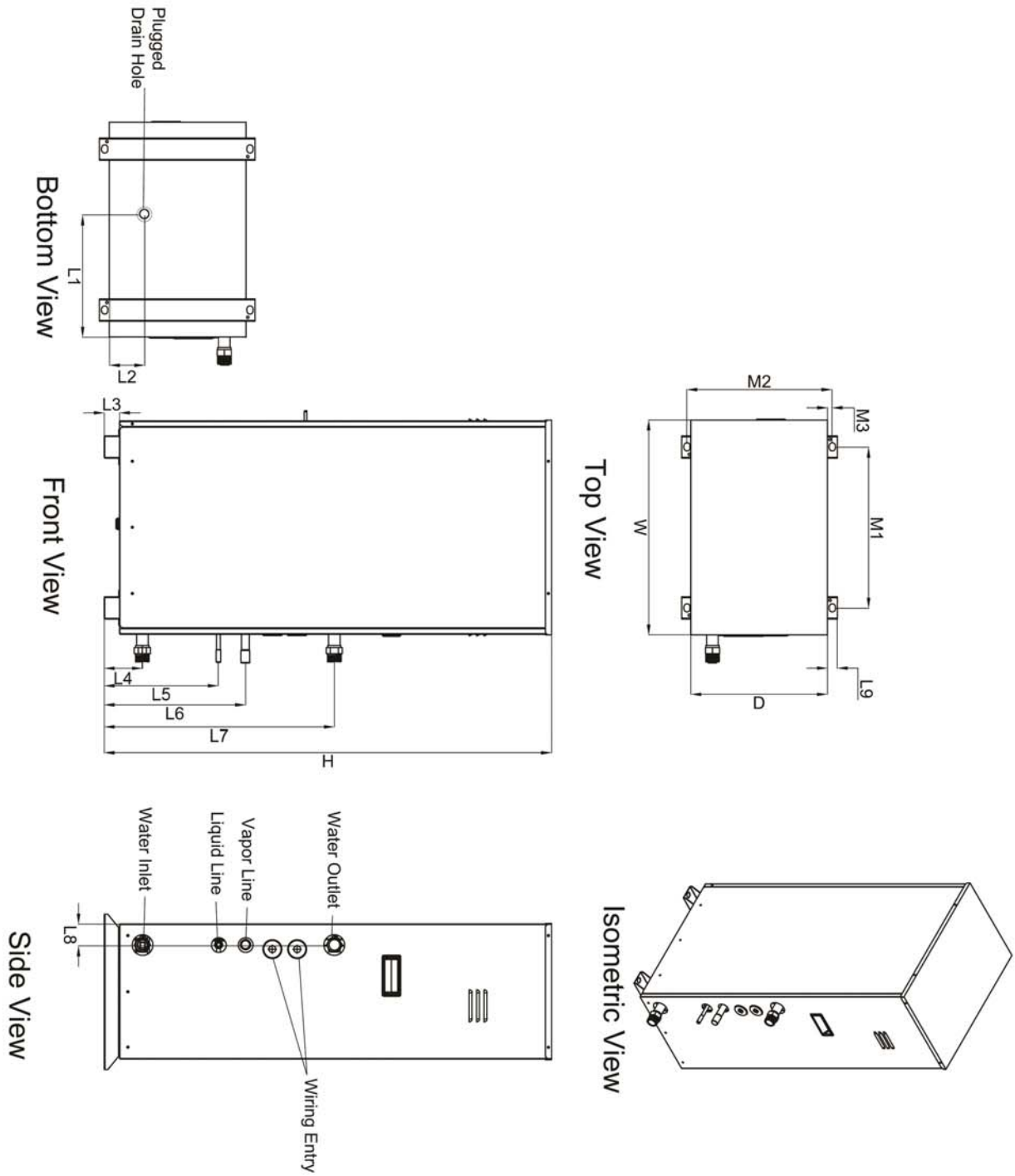


Job Name/Location:

**ARNH763K3B2**  
 Hydro Kit High Temperature  
 86 MBh Combination Water Heater and Cooler



Tag #: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 PO No.: \_\_\_\_\_



W	20-5/8"
D	13-1/8"
H	42-1/2"
L1	10-3/4"
L2	3-1/2"
L3	1-1/4"
L4	3-7/16"
L5	10-3/4"
L6	13-1/4"
L7	21-3/4"
L8	2-1/16"
L9	1/2"
M1	15-7/16"
M2	13-7/8"
M3	7/16"

For continual product development, LG reserves the right to change specifications without notice.