



Lochinvar®

VERITUS AIR SOURCE HEAT PUMP WATER HEATER

Submittal Sheet
& Customer Agreement

VAHP-Sub-05

VERITUS AIR SOURCE HEAT PUMP WATER HEATER

Job Name: _____ Contact Name: _____ Phone: _____
Job Location: _____ Model No. _____ Unit Qty. _____
☐ Indoor ☐ Outdoor
System Control Panel (Purchased Separately) Qty. _____
Engineer: _____
Agent/Wholesaler: _____
Contractor: _____

TANK Size (gals.) _____ Temp. Probes (qty.) _____ Harness Length (ft.) _____

Voltage to Facility: _____

☐ 208v/3ph/60HZ ☐ 440-480v/3ph/60HZ (Must choose applicable voltage)

Equipment Tag(s): _____

NOTES:

STANDARD FEATURES

High Efficiency COP
ZERO On-site Emissions
Modular Design
480 Volt 3 Phase or 208 Volt 3 Phase
100kA SCCR
Maximum Set-point of 160F°
Single or Multi Pass
Scroll Compressor (Copeland)
Core Sense Module
ECM Variable Speed Pump
Electronic Expansion Valve
Reversing Valve
Manifold Piping Assembly** (AHP200-350 Only, Shipped Separately)

SMART TOUCH™ FEATURES

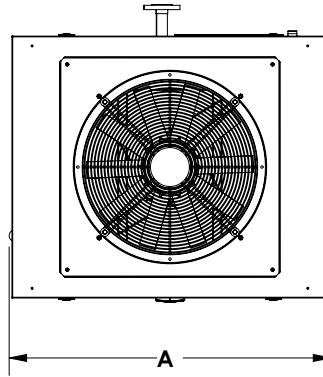
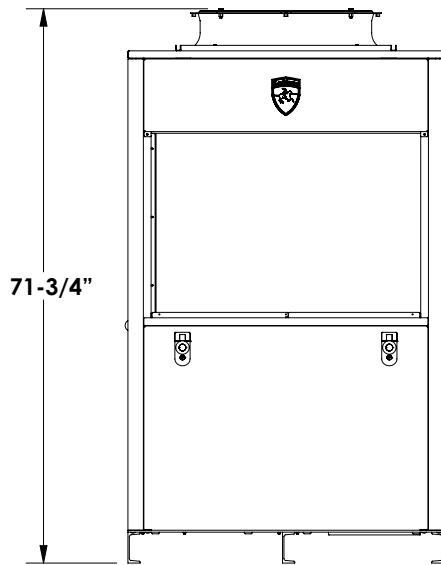
Smart Touch Operating Control
System Control Panel (Remote Mountable, Shipped Separately)
- requires dedicated 120v power supply
Cascade Sequencer for up to 64 Heat Pump Modules
Building Automation Integration with 0-10 VDC Input
Variable Speed Pump Control
Fault Logging
Low Voltage Terminal Strip
Alarm Contact
Backup Enable

OPTIONAL EQUIPMENT

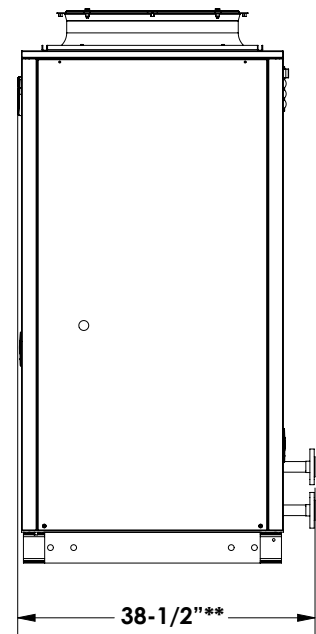
Single Point Electrical (Bus Panel, For Models AHP200-350 Only)
BMS Gateway to Modbus RS485/TCP and BACnet IP/ MSTP
Seismic Brackets (1 Needed Per Module)
Coastal Coating (Field Applied Evaporator Only)
5 Year Extended Compressor Warranty (See Warranty for Details)



VERITUS™ HEAT PUMP WATER HEATER DIMENSIONS AND SPECIFICATIONS



AHP140 represented here



AIR SOURCE HEAT PUMP		DIMENSIONS AND SPECIFICATIONS			
Model Number	COP*	Maximum Output BTU/Hr*	A	Shipping Weight	Total # Modules
AHP060-480	4.61	66,688	30-5/8"	1,155	1
AHP060-208	4.61	66,688	30-5/8"	1,155	1
AHP140-480	4.27	136,881	41-5/8"	1,370	1
AHP140-208	4.27	136,881	41-5/8"	1,370	1
AHP200-480***	4.38	203,069	72-1/4"	2,505	2 (60 + 140)***
AHP200-208***	4.38	203,069	72-1/4"	2,505	2 (60 + 140)***
AHP280-480***	4.27	272,762	83-1/4"	2,721	2 (2 x 140)***
AHP280-208***	4.27	272,762	83-1/4"	2,721	2 (2 x 140)***
AHP350-480***	4.34	339,450	113-7/8"	3,854	3 (2x 140 + 60)***
AHP350-208***	4.34	339,450	113-7/8"	3,854	3 (2x 140 + 60)***

* DOE test standard, 80°F ambient with 63% humidity, inlet water temperature at 70°F, outlet water temperature at 120° F.

**The field installed piping manifold will increase the depth of the units to 63"

*** Packaged Separately (Models AHP200-350)

NOTE: System control panel sold and shipped separately, Requires 120v/1ph (1 system control panel is required for each system).



Lochinvar, LLC
300 Maddox Simpson Parkway
Lebanon, Tennessee 37090
P: 615.889.8900 / F: 615.547.1000
f in v @ Lochinvar.com

DESIGNED ★ ENGINEERED ★ ASSEMBLED
USA