



Lochinvar®

HIGH EFFICIENCY BOILERS & WATER HEATERS

ARMOR® CONDENSING WATER HEATER

Submittal Sheet

AWH-Sub-07b

ARMOR CONDENSING WATER HEATER 1,250,000 TO 4,000,000 BTU/HR

Job Name: _____

Location: _____

Engineer: _____

Agent/Wholesaler: _____

Contractor: _____

Model No. _____

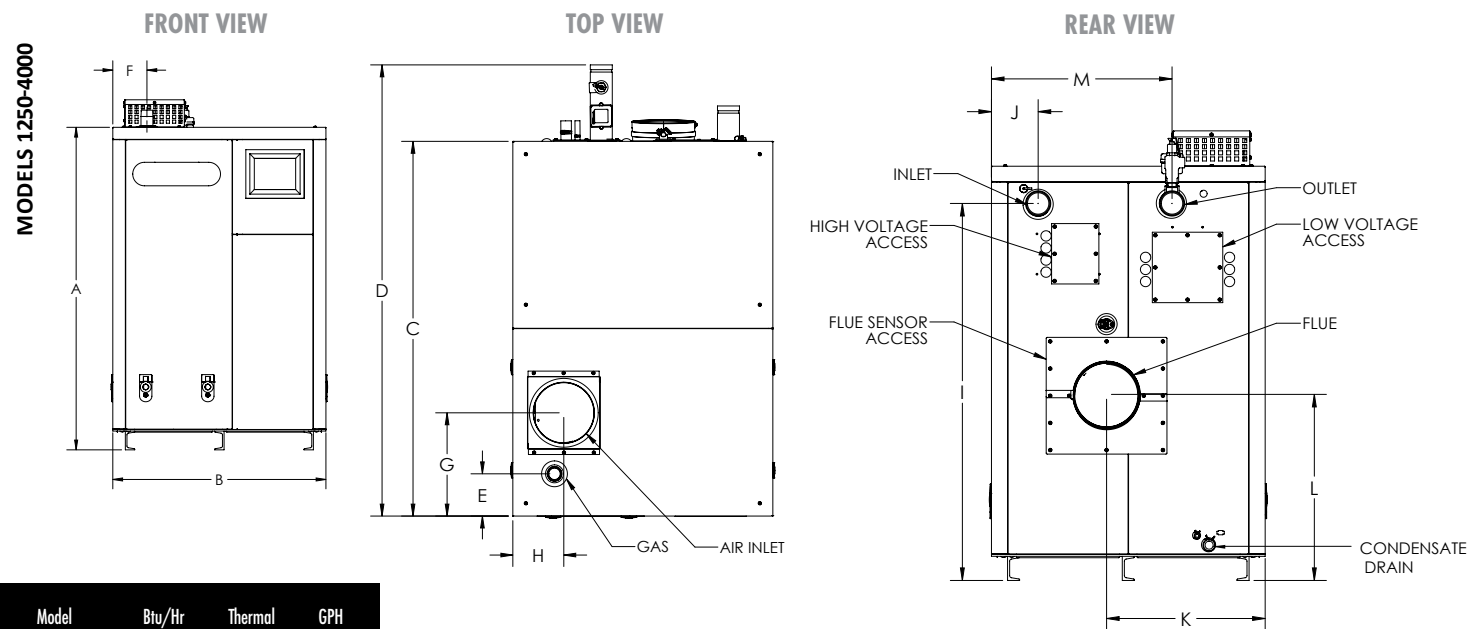
Ship from factory _____ Btu/Hr Input _____

Natural _____ LP _____

Recovery Rate in GPH _____ @ _____ °F Rise

Equipment Tag(s): _____

NOTES:



Model Number	Btu/Hr Input	Thermal Efficiency	GPH 100°F Rise
AWH1250NPM	1,250,000	98%	1,485
AWH1500NPM	1,500,000	98%	1,782
AWH2000NPM	1,999,000	98%	2,375
AWH3000NPM	3,000,000	98%	3,564
AWH4000NPM	4,000,000	98%	4,752

Model Number	A	B	C	D	E	F	G	H	I	J	K	L	M	Gas Conn.	Water Conn.	Air Inlet	Vent Size	Ship Wgt. (lbs.)
AWH1250NPM	51-1/2"	34"	49"	59"	5-1/2"	5-1/2"	13-1/2"	6-3/4"	46-3/4"	5-3/4"	19-3/4"	23"	22-1/2"	1-1/2"	2-1/2"	8"	8"	1,519
AWH1500NPM	51-1/2"	34"	52-3/4"	62-3/4"	4-1/2"	4-1/2"	13-1/2"	6-3/4"	46-3/4"	5-3/4"	19-3/4"	23"	22-1/2"	1-1/2"	2-1/2"	8"	8"	1,672
AWH2000NPM	51-1/2"	34"	65-1/2"	75-1/2"	7"	5-3/4"	14-3/4"	7-1/4"	46-3/4"	6-3/4"	18-3/4"	23"	22-1/2"	1-1/2"	2-1/2"	8"	8"	1,931
AWH3000NPM	67-1/4"	48-1/4"	79-3/4"	93-3/4"	4-3/4"	6-3/4"	17-3/4"	8-3/4"	60-1/4"	8-1/2"	25-1/2"	29-1/2"	40"	2"	4"	10"	10"	3,147
AWH4000NPM	67-1/4"	48-1/4"	96"	110"	5"	7-1/2"	17-3/4"	8-3/4"	60-1/4"	8-1/2"	25-1/2"	29-1/2"	40"	2-1/2"	4"	12"	12"	3,694

Change 'N' to 'L' for LP gas models. No deration on LP models. Performance data is based on manufacturer test results.

Add "O" to end of Model number for outdoor rated models.



Standard Features

- › Up to 99% Thermal Efficiency
- › Modulating Burner Turndown Ratio
5:1 Turndown AWH1250NPM-AWH4000NPM
- › ENERGY STAR Rated
- › CON-X-US Remote Connect
- › Indoor/Outdoor Convertible
- › Direct-Spark Ignition
- › Low NOx Operation
- › Sealed Combustion
- › Low Gas Pressure Operation
- › Vertical & Horizontal Vent Termination
- › Category IV Venting up to 150 Feet
- › PVC, CPVC, Polypropylene, or AL29-4C Vent Mat'l
- › **ASME Stainless Steel Heat Exchanger**
Gasketless Design
160 psi Working Pressure
- › Stainless Steel or All Bronze Circulating Pump
- › On/Off Switch
- › Adjustable High Limit with Manual Reset
- › High & Low Gas Pressure Switches w/Manual Reset (AWH1250 - 4000)
- › Flow Switch
- › Inlet & Outlet Temperature Sensors
- › ASME Temperature & Pressure Relief Valve
- › Zero Clearance to Combustible Material
- › Approved for Combustible Floor Installation
- › 1 Year Warranty on Parts
- › 5 Year Limited Warranty (see warranties for details)

Standard Pumps, All Bronze

- › AWH1250-1500 / 1 HP, 120V, 1 PH, 60 Hz
- › AWH2000 / 2 HP, 208V, 3 PH, 60 Hz
- › AWH3000 / 5 HP, 208V, 3 PH, 60 Hz
- › **AWH4000 / 5 HP, 480V, 3 PH, 60 Hz**

Optional Equipment

- ☐ Audible Alarm
- ☐ Condensate Neutralization Kit
- ☐ SMART TOUCH™ PC Software
- ☐ Modbus or BACnet MSTP Communications
- ☐ BMS Gateway to LonWorks or BACnet IP
- ☐ Indoor to Outdoor Kits
- ☐ Outdoor to Indoor Kits (AWH1250-4000)



SMART TOUCH™ Features

› SMART TOUCH™ Operating Control

- Full-Color Touchscreen LCD Display
- Built-in Cascading Sequencer for up to 8 Water Heaters
- Building Automation Integration with 0-10 VDC Input
- Password Security
- Low Water Flow Safety Control & Indication
- Inlet & Outlet Temperature Readout
- Freeze Protection
- Service Reminder
- Time Clock
- Data Logging
- Hours Running
- Ignition Attempts
- Last 10 Lockouts
- Programmable System Efficiency Optimizers
- Night Setback

- Water Heater Pump Control
- Building Recirculation Pump Control

› High Voltage Terminal Strip

- 120V/1PH/60 Hz (AWH1250-1500)
- 208V/3PH/60 Hz (AWH2000-3000)
- 480V/3PH/60 Hz (AWH4000)

› Low Voltage Terminal Strip

- 24 VAC Auxiliary Device Relay
- Auxiliary Proving Switch Contacts
- Alarm on Any Failure Contacts
- Pump Contacts
- Runtime Contacts
- Tank Thermostat Contacts
- Tank Sensor Contacts
- Cascade Contacts

Codes & Registrations

ASME Certified, "HLW" Stamp ANSI Z21.10.3/CSA Certified



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