

CONDENSING COMMERCIAL GAS WATER HEATERS



5 MODELS FROM 1.25 TO 4.0 MILLION BTU/HR

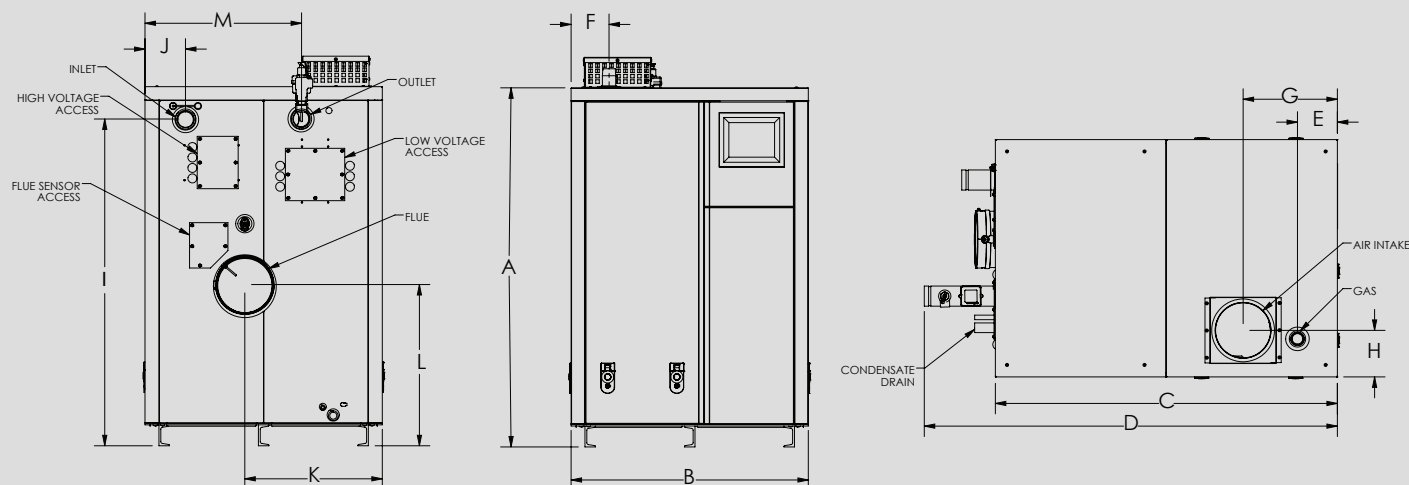
98% THERMAL EFFICIENCY

5:1 TURNDOWN RATIO

DIRECT VENT FLEXIBILITY UP TO 150 FEET



DIMENSIONS AND SPECIFICATIONS



ARMOR WATER HEATER

DIMENSIONS AND SPECIFICATIONS

Model Number	Btu/Hr Input	Thermal Efficiency	GPH 100°F Rise	A	B	C	D	E	F	G	H	I	J	K	L	M	Gas Conn.	Water Conn.	Air Inlet	Vent Size	Shipping Weight
AWH1250NPM	250,000	98%	1,485	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"	6" OR 8"	6" OR 8"	1,519
AWH1500NPM	500,000	98%	1,782	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"	6" OR 8"	6" OR 8"	1,672
AWH2000NPM	999,000	98%	2,375	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"	23-1/2"	1-1/2"	2-1/2"	8"	8"	1,931
AWH3000NPM	1,000,000	98%	3,564	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	1,000,000	98%	4,752	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" at end of model number for Outdoor models.*

STANDARD FEATURES

98% Thermal Efficiency
Modulating Burner with 5:1 Turndown
 ENERGY STAR
 CON-X-US Remote Connect
 Indoor or Outdoor Models
 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 Material
ASME Stainless Steel Heat Exchanger
 Gasketless Design
 160 psi Working Pressure
 On/Off Switch
 Adjustable High Limit with Manual Reset
 High and Low Gas Pressure Switches
 Flow Switch
 Inlet & Outlet Temperature Sensors
 Temperature & Pressure ASME 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

1 HP Pump - 120V/1PH/60Hz (AWH1250)
 1 HP Pump - 120V/1PH/60Hz (AWH1500)
 2 HP Pump - 208V/3PH/60Hz (AWN2000)
 5 HP Pump - 208V/3PH/60Hz (AWH3000)
 5 HP Pump - 480V/3PH/60Hz (AWH4000)

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

OPTIONAL EQUIPMENT

Alarm Bell
 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

CODES & REGISTRATIONS

ANSI Z21.10.3 compliant (AWH1250-2000)
 ASME certified, "HLW" stamp (AWH1250-2000)
 ANSI Z21.13 compliant (AWH3000-4000)
 ASME certified, "H" stamp (AWH3000-4000)
 California Code compliant
 Massachusetts Code compliant
 South Coast Air Quality Management District registered (AWH1250-2000)

Model Number Guide

AWH	1500	N	PM
Armor Water Heater	Btu/hr Input	Natural Gas	Pump Mounted

Armor Water Heater,
 1,500,000 Btu/hr input,
 Natural Gas
 PM Pump Mounted