

CONDENSING COMMERCIAL GAS WATER HEATERS



TOUCHSCREEN OPERATING CONTROL
FEATURING A BUILT-IN CASCADING SEQUENCER

1.0, 1.3 AND 1.5 MILLION BTU/HR

FIRING RATE MODULATION TO 10:1

LESS THAN 20 ppm NOx

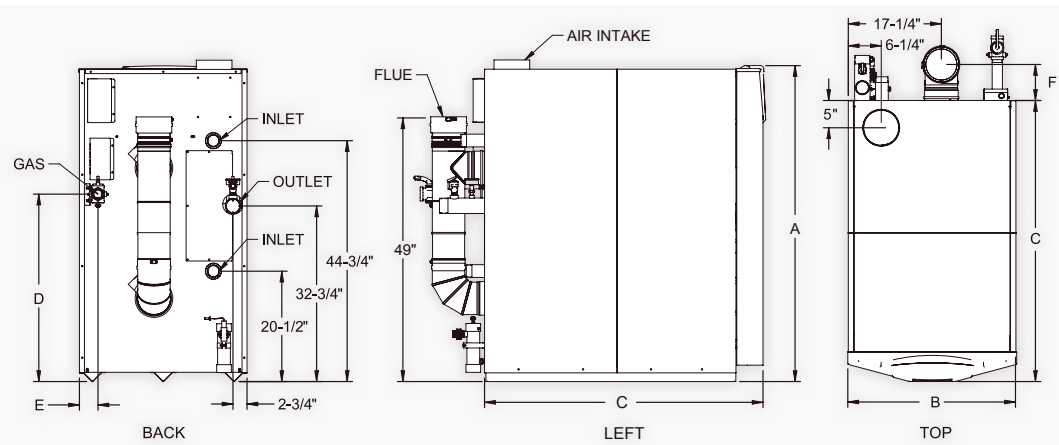
DIRECT-VENT FLEXIBILITY TO 100 FEET



Heat, ventilation
& air conditioning



Dimensions and Specifications



Model Number Guide

AW	N	1500	PM
Model	Natural Gas	Btu/hr Input	Pump Mounted

Armor X2 Water Heater,
Natural Gas,
1,500 ,000 Btu/hr input,
PM Pump Mounted

ARMOR X2 Water Heater

Dimensions and Specifications

Model Number	Btu/hr Input	Thermal Efficiency	GPH @ 100° Rise	AWN Series											
				A	B	C	D	E	F	Gas Conn.	Inlet Water Conn.	Outlet Water Conn.	Air Inlet	Vent Size	Shipping Wt. (lbs.)
AWN1000PM	999,999	96.0%	1,164	58-3/4"	31"	48"	35"	4-1/2"	15"	1-1/2"	2 x 2"	3"	6"	6"	910
AWN1300PM	1,300,000	96.0%	1,513	58-3/4"	31"	52-1/4"	34-3/4"	3-1/2"	6-3/4"	1-1/2"	2 x 2"	3"	6"	6"	1049
AWN1500PM	1,500,000	96.0%	1,745	58-3/4"	31"	56-1/2"	34-3/4"	3-1/2"	6-3/4"	1-1/2"	2 x 2"	3"	6"	6"	1185

Notes: Change 'N' to 'L' for L.P. Gas Model. No deration on L.P. models. Performance data based on manufacturer test results. All dimensions shown in inches.

Standard Features

- > 96% Thermal Efficiency (AHRI Certified)
- > Modulating Burner with 10:1 Turndown
 - > Direct-Spark Ignition
 - > Low NOx Operation
 - > Sealed Combustion
 - > Low Gas Pressure Operation
- > Vertical & Horizontal Venting
 - > Category IV Venting up to 100 Feet
 - > PVC, CPVC, Polypropylene or AL29-4C Vent Material
 - > Sidewall Vent Termination Provided
- > ASME Stainless Steel Heat Exchanger
 - > Gasketless Design
 - > 160 psi Working Pressure
- > (2) Low Lead Bronze Circulating Pumps
- > On/Off Switch
- > Adjustable High Limit with Manual Reset
- > Low Air Pressure Switch
- > Flow Switch
- > Inlet & Outlet Temperature Sensors
- > Two Easy Access Terminal Strips
- > 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)

SMART TOUCH™ Features

- > SMART TOUCH™ Touchscreen Operating Control
 - > Full-Color Touchscreen LCD Display
 - > Built-in Cascading Sequencer for up to 8 Water Heaters
 - > Building Management System 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
 - > Anti-Cycling
- > Water Heater Pump Control
 - > High Voltage Terminal Strip
 - > 120 VAC / 60 Hertz / 1-Phase Power Supply
 - > Pump Contacts
- > Low Voltage Terminal Strip
 - > 24 VAC Auxiliary Device Relay
 - > Auxiliary Proving Switch Contacts
 - > Alarm on Any Failure Contacts
 - > Runtime Contacts
 - > Tank Thermostat Contacts
 - > Tank Sensor Contacts
 - > Cascade Contacts

Optional Equipment

- > Alarm Bell
- > Condensate Neutralization Kit
- > SMART TOUCH PC Software
- > Modbus Communications
- > Stainless Steel Vent Kits (1300 & 1500)
- > BMS Gateway to LON or BacNet

Codes & Registrations

- > ANSI Z21.10.3 compliant
- > ASME certified, "HLW" stamp
- > California Code compliant
- > Massachusetts Code compliant
- > South Coast Air Quality Management District registered

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