ARMOR X2™
COMMERCIAL CONDENSING WATER HEATER

SMART TOUCH™

TOUCHSCREEN OPERATING CONTROL
FEATURING A BUILT-IN CASCADING SEQUENCER

1.0, 1.3 AND 1.5 MILLION BTU/HR
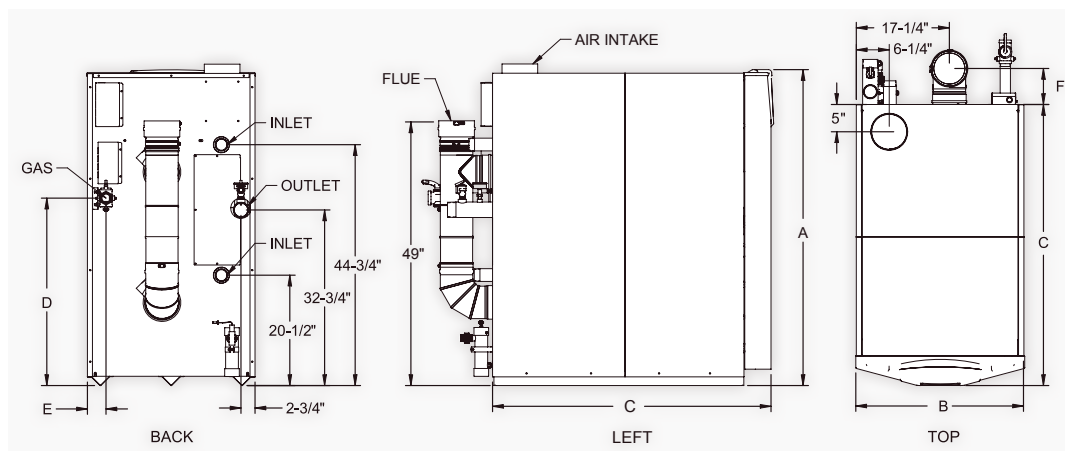
FIRING RATE MODULATION TO 10:1

LESS THAN 20 ppm NOx

DIRECT-VENT FLEXIBILITY TO 100 FEET

LOW NOx *Certified*
PROTECTING THE ENVIRONMENT

96%
Thermal Efficiency

iex
Importation and
exportation technologies

Lochinvar®
High Efficiency Water Heaters, Boilers and Pool Heaters

Dimensions and Specifications

AIR INTAKE
FLUE
INLET
GAS
OUTLET
INLET
44-3/4"
49"
32-3/4"
20-1/2"
D
E
2-3/4"
BACK
LEFT
C
A
17-1/4"
6-1/4"
5"
F
C
B
TOP

ARMOR X2 Water Heater — Dimensions and Specifications

Model Number	Btu/hr Input	Thermal Efficiency	GPH @ 100° Rise	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

Patent # 8,371,252