



Lochinvar[®]
HIGH EFFICIENCY BOILERS & WATER HEATERS

ARMOR™ WALL MOUNT CONDENSING WATER HEATER

Submittal Sheet

WAN-CA

ARMOR™ WALL MOUNT CONDENSING WATER HEATER

Job Name: _____ Model No. _____
Location: _____ Type Gas _____
Engineer: _____ Recovery Rate in GPH _____ @ _____ °F Rise
Agent/Wholesaler: _____ Equipment Tag(s): _____
Contractor: _____

NOTES:

Standard Features

- › **AHRI Certified 96% Thermal Efficiency**
- › **Wall Mounted Models**
- › **Modulating Burner with 5:1 Turndown**
 - › Direct-Spark Ignition
 - › Low NOx Operation
 - › Sealed Combustion
 - › Low Gas Pressure Operation
- › **Vertical & Horizontal Direct-Vent**
 - › PVC, CPVC, Polypropylene or SS up to 100 Feet
 - › PVC/CPVC Sidewall Vent Termination
- › **Stainless Steel Heat Exchanger**
 - › All Welded Construction, Gasketless Design
 - › 160 psi Working Pressure
- › Natural to L.P. Conversion Kit
- › Stainless Steel Circulating Pump
- › Flow Switch
- › Temperature & Pressure Relief Valve
- › Tank Sensor
- › Adjustable High Limit w/ Manual Reset
- › Automatic Reset High Limit
- › Condensate Trap
- › Zero Clearances to Combustible Material
- › 5 Year Limited Warranty (See Warranty for Details)
- › 1 Year Parts Warranty (See Warranty for Details)

Smart System™ Features

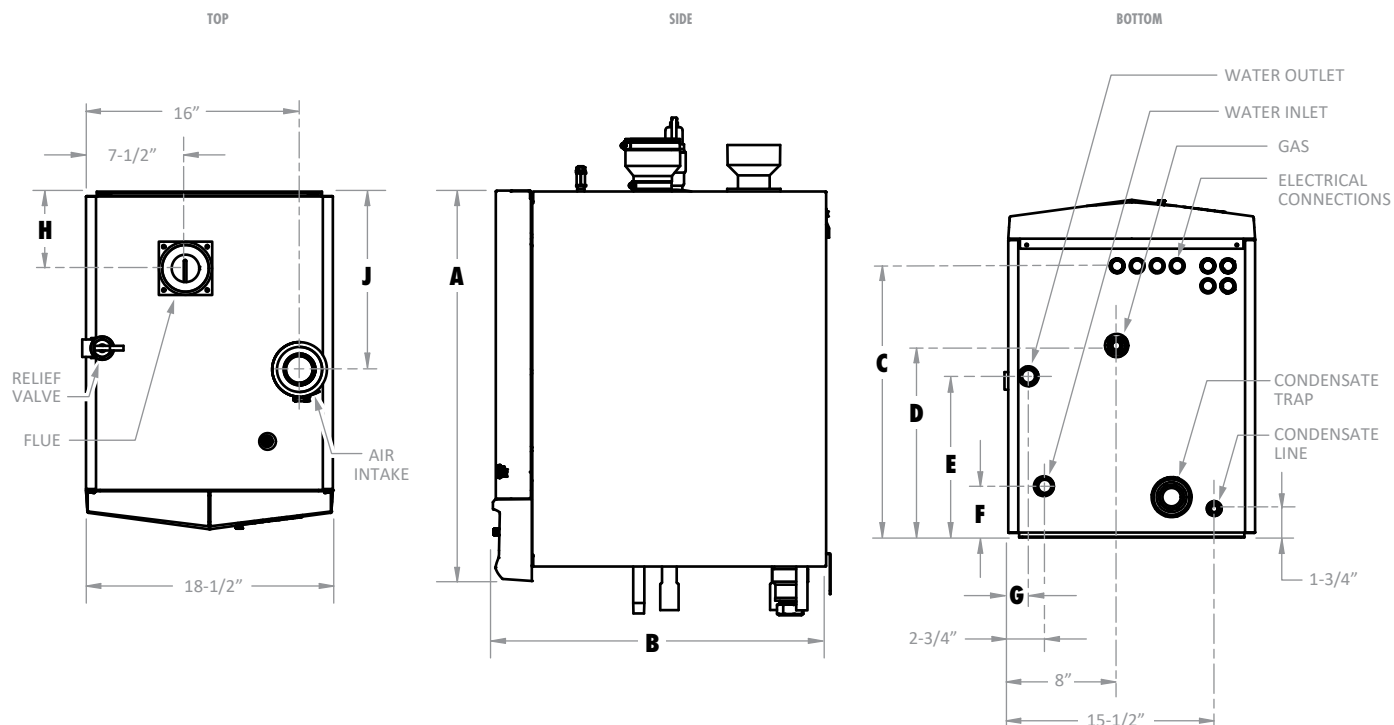
- › **SMART SYSTEM Digital Operating Control**
- › Multi Color Graphic LCD Display
- › **Built in Cascading Sequencer for up to 8 Water Heaters**
 - › Multiple Size Water Heater Cascade
 - › Lead Lag
 - › Efficiency Optimization
- › **Building Management System Integration**
 - › Modbus Communication (Optional)
 - › 0-10 VDC Input to Control Modulation or Set point
 - › 0-10 VDC Modulation Rate Output
 - › 0-10 VDC Input to Enable/Disable call for heat
- › Access to BMS Settings Through Graphic LCD Display
- › Low Water Flow Safety Control & Indication
- › Inlet & Outlet Temperature Sensors & Readout
- › Flue Temperature Sensor
- › Water Heater Pump Control
- › Pump Delay with Freeze Protection
- › Pump Exercise
- › Night Setback
- › Building Recirculation Loop Pump Control
- › Time Clock
- › **Maintenance Reminder**
 - › Ability to program installer name and number into the product as service contact
- › **High Voltage Terminal Strip**
 - › 120 VAC / 60 Hertz / 1 Phase Power Supply
 - › Pump Control Contacts
 - › Water Heater Pump Control Contacts
 - › Building Recirculation Pump Control Contacts
- › **Low Voltage Terminal Strip**
 - › 24 VAC Louver Relay
 - › Louver Proving Switch Contacts
 - › Flow Switch Contacts
 - › Alarm on Any Failure Contacts
 - › Runtime Contacts
 - › Tank Sensor Contacts
 - › Cascade Contacts
 - › 0-10 VDC BMS External Control Contact
 - › 0-10 VDC Boiler Rate Output Contacts



Optional Equipment

Alarm on Any Failure
Condensate Neutralization Kit
Concentric Vent Kit (3" PVC/CPVC only)
ModBus Communications
BMS Gateway to LON or BacNet
SMART SYSTEM PC Software

Armor™ Wall Mount Condensing Water Heater DIMENSIONS & SPECIFICATIONS



Model Number	Btu/hr Input	GPH @ 100° Rise	A	B	C	D	E	F	G	H	J	Gas Conn.	Water Conn.	Air Inlet	Vent Size	Shipping Wt. (lbs.)
WAN125PM*	125,000	145	29-1/4"	18"	13"	7"	13"	3-1/2"	2-3/4"	5-1/2"	6"	1/2"	1"	3"	3"	145
WAN200PM*	199,000	232	29-1/4"	25"	20"	14"	11-3/4"	3-1/2"	1-1/2"	5-1/2"	13"	1/2"	1-1/4"	3"	3"	177
WAN201PM †	201,000	232	29-1/4"	25"	20"	14"	11-3/4"	3-1/2"	1-1/2"	5-1/2"	13"	1/2"	1-1/4"	3"	3"	177

Models listed above are natural gas. Change "N" to "L" for LP gas models.

*Canada only † AHRI Certified Models



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