



Lochinvar[®]
HIGH EFFICIENCY BOILERS & WATER HEATERS

**ARMOR Wall Mount
Condensing Water Heater
Submittal Sheet**

WAN-Sub-01a

ARMOR WALL MOUNT CONDENSING WATER HEATER

JOB NAME _____

LOCATION _____

ENGINEER _____

WHOLESALE _____

MECH. CONTRACTOR _____

MODEL NO. _____

TYPE GAS _____

Btu/hr INPUT _____

RECOVERY RATE IN GPH _____ **@** _____ **°F RISE**

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
- › All Bronze 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)

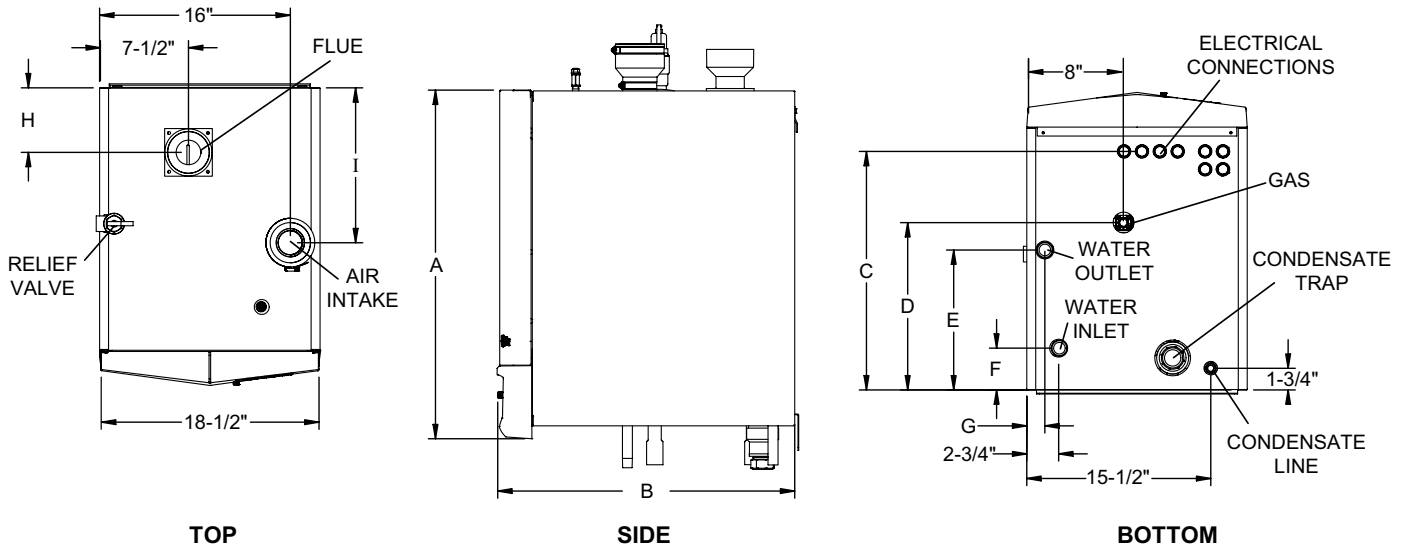
SMART SYSTEM™ FEATURES

- › 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 Bell
- 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	I	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	199,999	233	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



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