



Lochinvar[®]
High Efficiency Water Heaters, Boilers and Pool Heaters

EFFICIENCY+[®]
WATER HEATER
Submittal Sheet

EWN-Sub-04

EFFICIENCY+[®] GAS WATER HEATERS

JOB NAME _____

LOCATION _____

ENGINEER _____

WHOLESALE _____

MECH. CONTRACTOR _____

MODEL NO. _____

TYPE GAS _____

Btu/hr INPUT _____

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

NOTES

Standard Features

- 84% Thermal Efficiency
- Sealed Combustion Chamber
- Stainless Steel Burners
- Low NOx Operation Exceeds the most Stringent Air Quality Requirements
- ASME Copper Finned Tube Heat Exchanger
- 160 psi Working Pressure
- Gasketless Heat Exchanger Design
- Low Lead Circulating Pump
- Pump Delay w/ Freeze Protection
- Manual Reset High Limit
- Automatic Reset High Limit
- Remote Tank Thermostat
- Glass-Lined Water Surfaces
- Loch-Heat Ceramic Tile Combustion Chamber
- Hot Surface Ignition
- ASME Temperature & Pressure Relief Valve
- 24 Volt Control System
- 3 Year Limited Warranty on Heat Exchanger (See warranty for details)

Optional Equipment

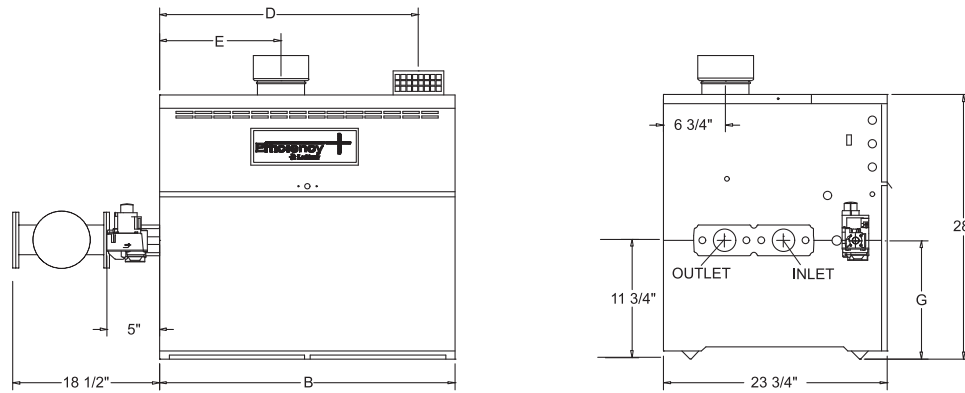
Place an X in the box by all options that apply

- Alarm Bell
- Contacts on any Failure
- Cupro-Nickel Heat Exchanger
- Flow Switch
- Adjustable Manual Reset High Limit
- Contact for Air Louvers
- Low Water Cut-Off
 - Probe Type
 - Probe Type w/ Manual Reset
- Stack Frame

Firing Control Systems

- F9 Hot Surface Ignition w/ Electronic Supervision (Standard)
- F7 California Code

Efficiency+® Gas Water Heater Dimensions & Specifications



Model Number	Btu/hr Input	GPH @ 100°F Rise	B	D	E	G	Vent Size*	Gas Conn.	Shipping Weight
EWN150PM	150,000	153	19-3/4	16	7 1/4	11 3/4	5	3/4	295
EWN200PM	199,999	204	23-3/4	20	9 1/4	11 3/4	5	3/4	318
EWN250PM	250,000	255	27-1/2	23-3/4	11	11 3/4	6	3/4	341
EWN300PM	300,000	305	31-1/4	27-1/2	13	11 3/4	6	3/4	363

Note: Change 'N' to 'L' for LP gas models.

Air inlet equals vent diameter.

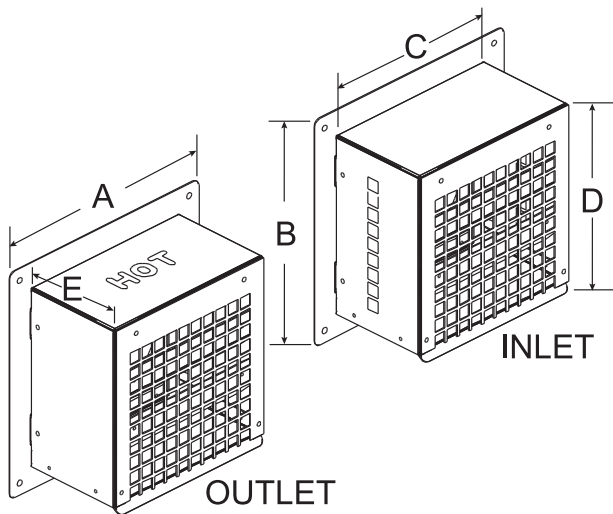
* Vent size is for conventional venting, venting options require 1" smaller vent diameter.

Water connections for models (EW 150-300) are 2" NPT on 6-1/4" centers.

Performance data based on manufacturer test results.

Venting Options

- Direct Vent Horizontal
- Direct Vent Vertical
- E+ DirectAire Vent
- Conventional
- Outdoor



AMP DRAW DATA 100,000 thru 300,000 Btu Models				
FIRING CONTROLS	FAN	VALVE/ CONTROLS	MAXIMUM TOTAL AMPS @ 120 VAC	PUMP AMPS 150-300
F-9 (Single Stage)	1.15	3.97	5.12	5.8

Horizontal Direct Vent Inlet and Outlet Cap					
MODEL NO.	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"
EW 150-200	9-1/8"	8-7/8"	7-1/8"	7-3/8"	4 3/8
EW 250-300	9-5/8"	9-3/8"	7-5/8"	7-3/4"	3 1/2



Lochinvar®
High Efficiency Water Heaters, Boilers and Pool Heaters



LOW LEAD CONTENT



Lochinvar, LLC • 300 Maddox Simpson Pkwy • Lebanon, TN 37090 • 615-889-8900 / Fax: 615-547-1000

www.Lochinvar.com