



Lochinvar®

HIGH EFFICIENCY BOILERS & WATER HEATERS

CUSTOM HI-POWER® ROUND WATER HEATER

Submittal Sheet

CHPR-Sub-13

ROUND JACKETED CUSTOM HI-POWER® ELECTRIC WATER HEATERS

Job Name: _____ Model No. _____ Gal. Cap. _____
Location: _____ Voltage/Phase _____ kW _____
Engineer: _____ Recovery Rate in GPH _____ @ _____ °F Rise
Agent/Wholesaler: _____ Equipment Tag(s): _____
Contractor: _____
Installation restrictions of mechanical room: _____

NOTES:

Standard Features

- Glass Lined Steel Tank
- Incoloy Heating Elements
- Magnesium Tank Saver Anodes
- Internal Fusing (*above 120 amps*)
- Enamel Finished, Galvanized Steel Jacket
- Hinged Doors w/Key Lock
- Channel Iron Skid Base (*250 gal. & larger*)
- Handhole Cleanout
- Immersion Thermostat
- Advanced Electronic Control
- Low Water Cut-Off (7.5" Probe Type)
- BMS Enable/Disable Contacts
- Control Voltage ON/OFF Switch w/Pilot Light
- High Limit w/Manual Reset
- Terminal Block Connections
- ASME Temperature & Pressure Relief Valve (*Supplied but not installed*)
- 125 psi Working Pressure
- Approved for 180°F Temperature Operation
- ASME Construction and National Board Listed
- All models meet or exceed ASHRAE energy efficiency standards
- UL Listed (U.S. and Canada)
- 3 Year Limited Tank Warranty (*See warranty for details*)



Optional Equipment

Audible Alarm
ASME 150 psi Construction
BMS Interface for BACnet or Modbus
Channel Iron Skid Base (*150 & 200 gal.*)
Manway (*250 gal. & larger only*)
Lifting Lugs (pair) *150-500 gal.*
Pressure Gauge
ICC Control for BACnet or Modbus,

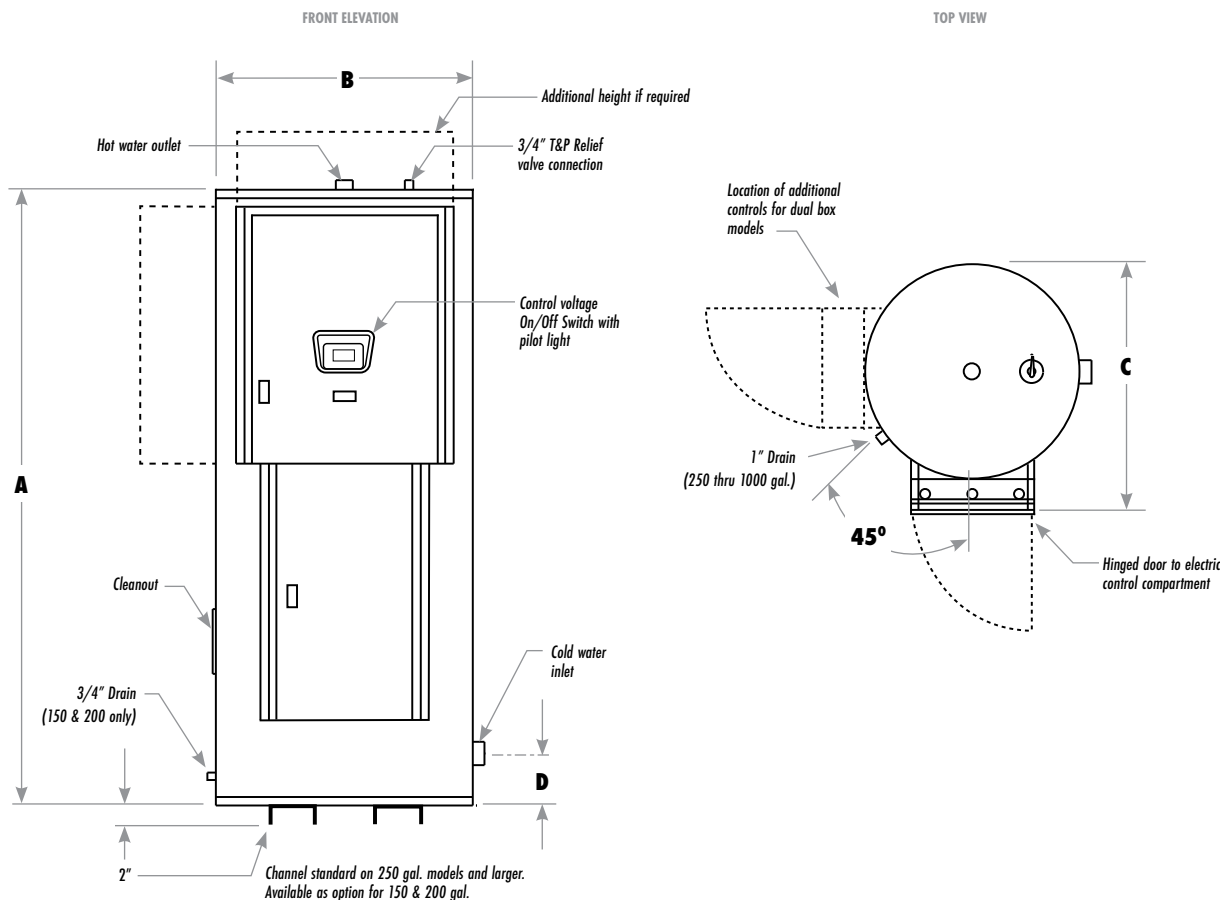
Serial RS-485 connection
ICC Control for BACnet or Modbus, Ethernet connection
High Water Pressure Switch
Low Water Pressure Switch
Pilot Lights and Switch for each Bank Circuit
Safety Door Interlock
Temperature Gauge

Seismic Attachment Points
(*Customer must provide seismic zone or city and state of installation.*)

Field Installed Options

Shunt Trip Disconnect

Custom Hi-Power® ROUND Electric Water Heater Dimensions & Specifications



Model	Max KW	Gal. Cap.	A	B	C	D	Water Inlet	Conn. Outlet	Shipping Weight
CHV*kW-150	144	150	65-1/2"	32"	38-3/4"	7-3/4"	1-1/2"	1-1/2"	650
CHV*kW-200	180	200	78"	32"	38-3/4"	7-3/4"	1-1/2"	1-1/2"	750
CHV*kW-250	216	250	92"	34"	40-3/4"	19-1/2"	1-1/2"	1-1/2"	1,165
CHV*kW-300	270	300	80"	40"	46-3/4"	21"	2"	2"	1,350
CHV*kW-400	324	400	80"	46"	52-3/4"	22-1/2"	2"	2"	1,590
CHV*kW-500	432	500	92"	46"	52-3/4"	22-1/2"	2"	2"	1,700
CHV*kW-600	432	600	92"	52"	60-3/4"	24-1/2"	2-1/2"	2-1/2"	2,010
CHV*kW-800	432	750	104"	52"	60-3/4"	24-1/2"	2-1/2"	2-1/2"	2,450
CHV*kW-1000	432	950	128"	52"	60-3/4"	24-1/2"	2-1/2"	2-1/2"	3,160

* = Voltage Schedule
kW = KW Output

VOLTAGE SCHEDULE			
A	—	240V	1ø
B	—	240V	3ø
J	—	208V	1ø
K	—	208V	3ø
N	—	600V	3ø
Q	—	400V	3ø
W	—	277V	1ø
X	—	480V	3ø
Y	—	380V	3ø
Z	—	415V	3ø

IMPORTANT NOTES:

- Vertical Round models above 90 kW at 208V, 240V or 380V and 162 kW at 415V, 480V or 600V exceed the capacity of a single control box and may require multiple control panels. Consult the factory for specific details and optional construction.
- Vertical Square construction is available as an option for models that exceed the listed kW limits
- Control panel height on Vertical Round models may exceed tank height. Consult the factory for specific heights on models with inputs above 72 kW.
- On models 250 and up, dimensions include channel iron base (not shown).



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