



Lochinvar®

HIGH EFFICIENCY BOILERS & WATER HEATERS

CUSTOM HI-POWER® SQUARE WATER HEATER

Submittal Sheet

CHPS-Sub-12

SQUARE 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: _____

NOTES:

Standard Features

- Glass Lined Steel Tank
- Incoloy Heating Elements
- Magnesium Tank Saver Anodes
- Internal Fusing (*above 120 amps*)
- Enamel Finished, Galvanized Steel Jacket
- Full Length, Hinged Doors w/Key Lock
- Channel Iron Skid Base
(*Except 150 & 200 gallon*)
- Handhole Cleanout
- Safety Drain Pan
- Immersion Thermostat
- Advanced Electronic Control
- Low Water Cut-Off (Probe Type)
- BMS Enable/Disable Contacts
- Control Voltage ON/OFF Switch
w/Pilot Light
- High Limit w/Manual Reset
- Terminal Block Connections
- ASME Temperature and 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

Select the checkbox for all options that apply.

- Alarm Horn on Any Failure
- ASME 150 psi Construction
- ASME 160 psi Construction
- Manway (*250 Gal. & larger only*)
- Lifting Lugs (pair)
- High Water Pressure Switch
- Low Water Pressure Switch
- ICC Control for BACnet or Modbus,
Serial RS-485 connection
- ICC Control for BACnet or Modbus,
Ethernet connection
- Pilot Lights and Switch for each
Contactor
- Safety Door Interlock
- Temperature and Pressure Gauge
- Seismic Attachment Points - 250 Gal. &
larger only (*Customer must provide seismic
zone or city and state of installation.*)

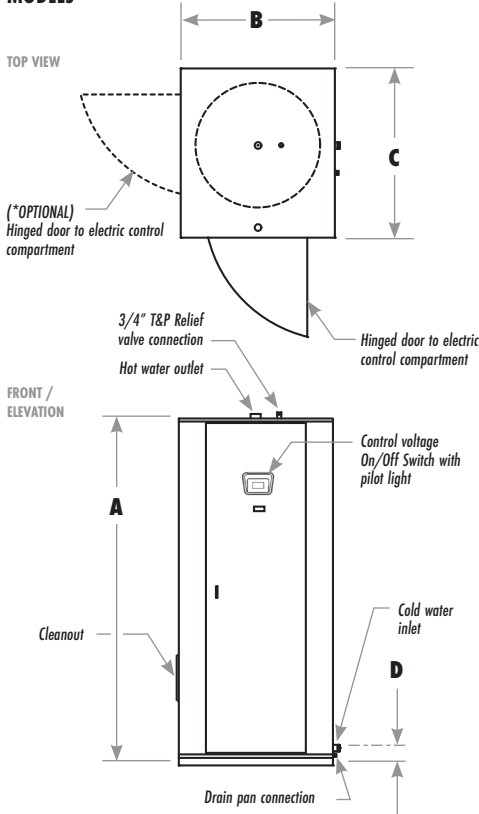
Field Installed Options

- Shunt Trip Disconnect



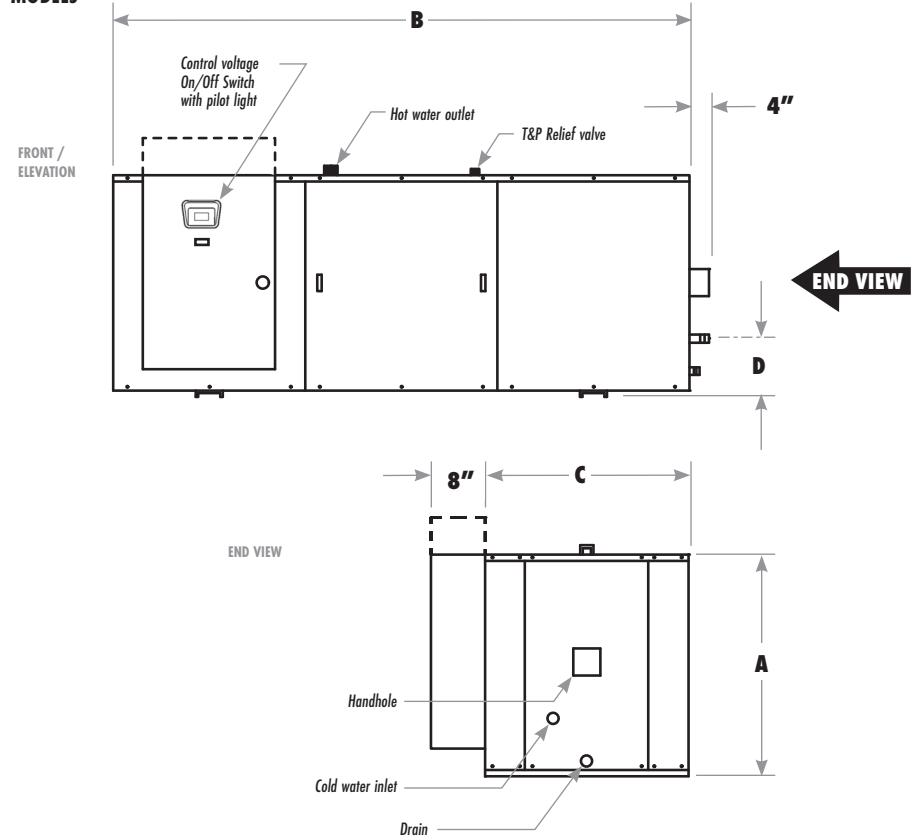
Custom Hi-Power® SQUARE Electric Water Heater Dimensions & Specifications

VERTICAL MODELS



*An oversized control panel may be required on models with inputs above 72 kW. An oversized control panel may increase the width and depth of the square jacket by up to 2".

HORIZONTAL MODELS



Model	Max KW	Gal. Cap.	A	B	C	D	Water Inlet	Conn. Outlet	Shipping Weight
Square – VERTICAL									
CHV*kW-1250	900	1,250	132-1/2"	64-1/2"	64-1/2"	23-1/4"	3"	3"	3,560
CHV*kW-1500	900	1,500	128-1/2"	70-1/2"	70-1/2"	25-1/4"	3"	3"	4,120
CHV*kW-2000	900	2,000	124-1/2"	78-1/2"	78-1/2"	27"	3"	3"	4,350
CHV*kW-2500	900	2,500	146-1/2"	82-1/2"	82-1/2"	29"	3"	3"	5,750
Square – HORIZONTAL									
CHH*kW-150	144	150	37"	68-1/2"	34-1/4"	12"	2"	2"	1,180
CHH*kW-200	180	200	37"	78"	34-1/4"	12"	2"	2"	1,370
CHH*kW-250	225	250	39"	90-1/4"	36-1/4"	13"	2"	2"	1,450
CHH*kW-300	270	300	45"	78-1/4"	42-1/4"	14-3/4"	2"	2"	1,530
CHH*kW-400	324	400	52"	78-1/4"	48-1/4"	16"	2"	2"	1,750
CHH*kW-500	450	500	52"	90-3/4"	48-1/4"	16"	2"	2"	1,860
CHH*kW-600	540	600	58"	90-3/4"	54-1/4"	13-1/2"	2-1/2"	2"	2,340
CHH*kW-800	720	750	58"	102-1/4"	54-1/4"	13-1/2"	2-1/2"	2"	2,850
CHH*kW-1000	900	950	58"	126-1/4"	54-1/4"	13-1/2"	2-1/2"	2"	3,040
CHH*kW-1250	900	1,250	64"	130-1/4"	60-1/4"	15"	3"	3"	3,750
CHH*kW-1500	900	1,500	70"	126-1/4"	66-1/4"	16"	3"	3"	4,340
CHH*kW-2000	900	2,000	82"	123-1/4"	78-1/4"	14"	3"	3"	4,580
CHH*kW-2500	900	2,500	82"	144-1/4"	78-1/4"	16-1/2"	3"	3"	6,060

* = Voltage Schedule
kW = KW Output

VOLTAGE SCHEDULE

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

NOTES: For models 250 gallons and larger, dimensions include channel iron skids (not shown).
Additional tank capacities and inputs are available. Consult factory.



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