



Lochinvar[®]
HIGH EFFICIENCY BOILERS & WATER HEATERS

**CUSTOM HI-POWER[®]
SQUARE WATER
HEATER Submittal Sheet**

CHPS-Sub-10b

SQUARE JACKETED CUSTOM HI-POWER[®] ELECTRIC WATER HEATERS

JOB NAME _____
LOCATION _____
ENGINEER _____
WHOLESALE _____
MECH. CONTRACTOR _____
MODEL NO. _____
RECOVERY RATE IN GPH _____ @ _____ °F RISE
GALLON CAPACITY _____
VOLTAGE/PHASE _____
KW _____
NOTES

Standard Features

- Glass Lined Steel Tank
- Incoloy Heating Elements
- Internal Fusing (above 120 amps)
- Enamel Finished Galvanized Steel Jacket
- Magnesium Tank Saver Anodes
- Immersion Thermostat
- Manual Reset High Limit
- Full Length Hinged Doors with Key Lock
- Terminal Block Connections
- ASME Temperature and Pressure Relief Valve
- Channel Iron Skid Base
- Approved for 180°F Temperature Operation
- ASME Construction and National Board Listed
- All models meet or exceed ASHRAE energy efficiency standards
- 125 psi Working Pressure
- Handhole Cleanout
- UL Listed
- Safety Drain Pan (Square Models)
- 3 Year Limited Tank Warranty (see warranty for details)

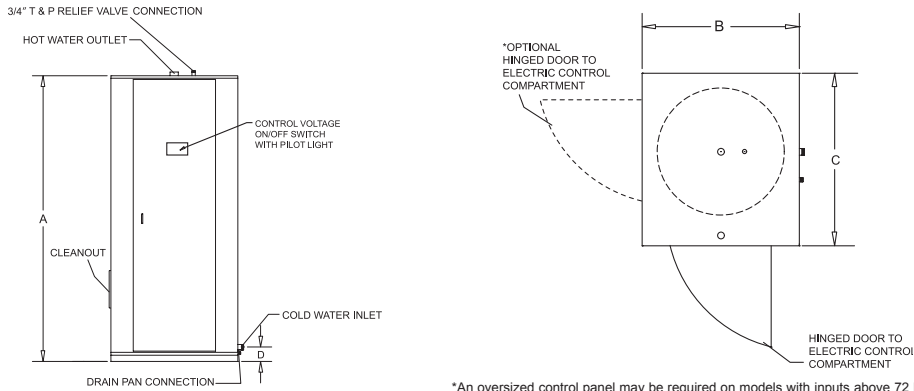
Optional Equipment

Place an X in the box by all options that apply

- Alarm Bell
- ASME 150 psi Construction
- ASME 160 psi Construction
- Manway (250 Gallon and Larger only)
- Lifting Lugs (pair)
- Low Water Cut-Off
- High Water Pressure Switch
- Low Water Pressure Switch
- Pilot Lights and Switch for each Contactor
- Safety Door Interlock
- Temperature and Pressure Gauge
- Time Clock (7 Day)
- Time Clock (24 Hour)
- BMS Enable/Disable Contacts
- Shunt Trip Disconnect
- Electronic Step Controller
 - 1-4 Step
 - 5-8 Step
 - 9-12 Step

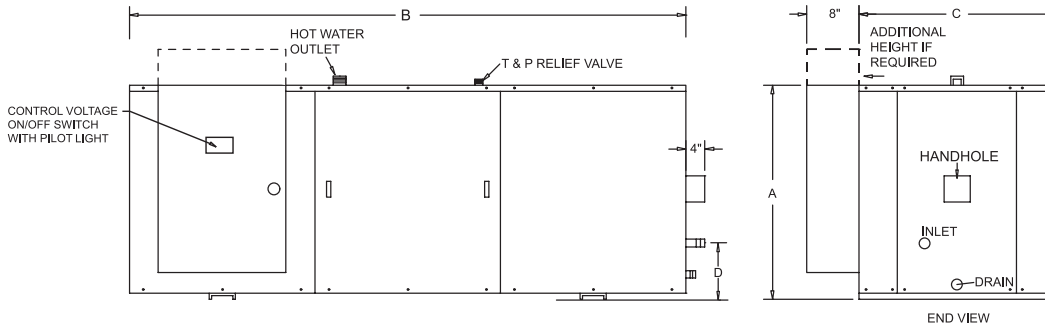
Custom Hi-Power® Square Electric Water Heater Dimensions & Specifications

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 Conn.		Shipping Weight
							Inlet	Outlet	
Vertical Square									
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	140-1/2"	76-1/2"	76-1/2"	27-1/4"	3"	3"	4,350
CHV*kW-2500	900	2,500	146-1/2"	82-1/2"	82-1/2"	29"	3"	3"	5,750
Horizontal Square									
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	360	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	76"	137-1/4"	72-1/4"	17-1/2"	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

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: On models 250 gallons and up dimensions include channel iron skids (not shown). Additional tank capacities and inputs are available. Consult factory.

* = Voltage Schedule
KW = KW Output



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