Lochinvar®
High Efficiency Water Heaters, Boilers and Pool Heaters

Compact ASME Hi-Power Commercial Electric Water Heaters

Commercial Electric Water Heaters 6 to 120 Gallon - ASME Construction

Standard Features

- **ASME Code Construction HLW**
- **Heavy-Duty Glass-Lined Tank**–300 psi test pressure, 150 psi working pressure.
- **Magnesium Tank Saver**–Large capacity anode for longer tank life, greater protection. (50-120 gallon models have 2 anodes)
- **Heating Element**–Low watt incoloy construction for long life. (Screw-in style elements)
- **Energy Cut-Off**–Shuts off electrical power should the water temperature in the tank reach 205°F.
- **Handhole Cleanout**–Provides easy maintenance access. (20 thru 120 gallon models only)
- **Approved for 180°F outlet temperature**
- **ASME Temperature and Pressure Relief Valve**–Supplied with unit. (Not factory mounted)
- **Non-CFC Foam Insulation**–Full 3″of foam insulation on the top and around the sides. Meets ASHRAE Energy Efficiency Standards.
- **Factory Installed Dielectric Waterways**
- **Hinged Access Door**–Provides easy access to electrical controls.
- **Immersion Thermostats with Contactors**–Thermostat settings range from 80°-180°F and can be adjusted to "off" position.
- **Listed by Underwriter's Laboratory**
- **3 Year Limited Warranty**
- **1 Year Limited Warranty on Parts**–See warranties for details

Optional Equipment

- **Low Water Cut-Off**
- **Safety Door Interlock**
- **High and/or Low Water Pressure Limit Switches**
- **Alarm Bell**
- **Temperature & Pressure Gauge**
- **Time Delay Step Sequence** (24 kW & Above)
- **NSF Construction**

Meets ASHRAE Energy Efficiency Standards.

Dimensions & Specifications

Model Number	Max kW	Gal. Cap.	A	B	C	D	E	Water Conn.	Shipping Weight
HC*kW-06A	3	6	17-1/4″	16″	21″	N/A	6-1/4″	3/4″	83
HC*kW-12A	9	12	28″	16″	21″	N/A	6-1/4″	3/4″	118
HC*kW-20A	18	20	27-1/2″	20″	24-1/2″	N/A	6-1/4″	3/4″	145
HC*kW-30A	36	30	38″	20″	24-1/4″	N/A	6-1/4″	3/4″	180
HC*kW-40A	36	40	48-1/4″	20″	24-1/2″	N/A	6-1/4″	3/4″	220
HC*kW-50A	81	50	47-3/4″	24″	30-1/2″	41″	6″	1-1/2″	270
HC*kW-80A	81	80	60-1/4″	26″	30-1/2″	52-1/2″	6″	1-1/2″	335
HC*kW-120A	81	120	64-1/2″	30-1/4″	37-1/4″	55″	6″	1-1/2″	430

∗ = Voltage ***see voltage schedule***

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

NOTE: Allow 24″ clearance from front access panel for service and maintenance.

FOR EASE IN ORDERING BY MODEL NUMBER

H C X 36 40 A

HI-POWER, COMPACT, VOLTAGE, KILOWATT, GALLON CAPACITY, ASME

This heater is a Hi-Power Compact, 480 volt, 3 phase, 36 kW, 40 gallon water heater with ASME construction.

Amperage Table

KW	SINGLE PHASE 208V	SINGLE PHASE 240V	SINGLE PHASE 277V	THREE PHASE 208V	THREE PHASE 240V	THREE PHASE 480V
3	14	13	11	–	–	–
6	30	25	22	17	14	7
9	43	38	32	25	22	11
12	58	50	43	33	29	14
15	72	63	54	42	36	18
18	87	75	64	50	43	22
24	115	100	87	68	58	29
27	130	113	97	75	65	33
30	144	125	108	83	72	36
36	173	150	130	100	87	43
45	216	188	162	125	108	54
54	260	225	195	150	130	65
81	389	338	292	225	195	97

Note: *All ASME models with an amp draw in excess of 120 amps require factory installed internal fusing.*

*Connection for optional T&P gauge or High/Low Pressure Switch

GPH Recovery Rate

INPUT (KW)	GPH@ 40°F RISE	GPH@ 50°F RISE	GPH@ 60°F RISE	GPH@ 70°F RISE	GPH@ 80°F RISE	GPH@ 90°F RISE	GPH@ 100°F RISE	GPH@ 120°F RISE	GPH@ 140°F RISE
3	31	25	21	18	16	14	12	10	9
6	62	50	41	35	31	28	25	21	18
9	93	74	62	53	47	41	37	31	27
12	124	99	83	71	62	55	50	41	35
15	155	124	103	89	78	69	62	52	44
18	186	149	124	106	93	83	74	62	53
24	248	199	165	142	124	110	99	83	71
27	279	223	186	160	140	124	112	93	80
30	310	248	207	177	155	138	124	103	89
36	372	298	248	213	186	165	149	124	106
45	465	372	310	266	233	207	186	155	133
54	558	447	372	319	279	248	223	186	160
81	837	670	558	479	419	372	335	279	239

AHRI MEMBER

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NSF Optional

c UL us

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