

COMMERCIAL WATER HEATERS

Engineered and constructed for commercial, industrial and institutional applications

STANDARD HI-POWER IMMERSION THERMOSTAT MODELS

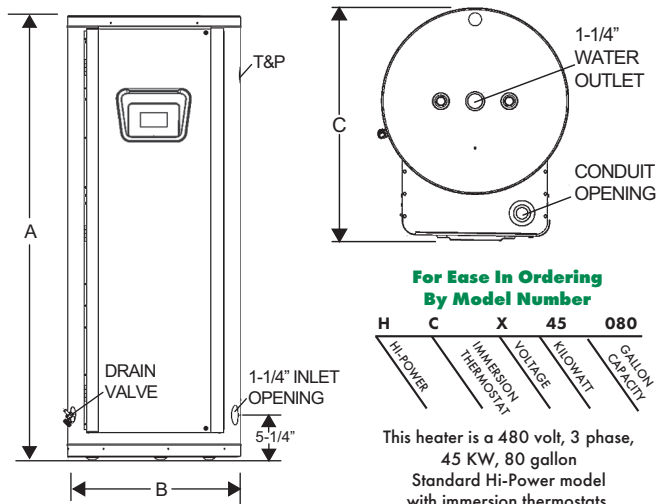
STANDARD FEATURES

- **Advanced Electronic Control** –LCD readout displays operational and diagnostic information in words, not codes. Standard features include: Element Sensing and Night Setback.
- **Glass-Lined Steel Tank** – The durable glass lining is fused to the tank at 1600°F to assure lasting protection against rust and corrosion while providing clean, clear hot water. 300 psi test pressure provides 150 psi working pressure.
- **Tank Saver Anode** –A large diameter, high capacity anode inhibits corrosion of the tank interior for long, trouble-free service.
- **Heating Elements** – Plated, incoloy immersion type heating elements provide long life and resistance to lime scale build-up. The low watt density elements have lower surface temperatures and more surface area.
- **Standard Voltages** – 208, 240 and 480 are wired from the factory for three phase. The three phase wiring can be field converted to single phase. (277 is configured as single phase only.)
- **Energy Cut-Off**–Shuts off electrical power to the elements should the water temperature in the tank exceeds 200° F.
- **Overcurrent Protection Fuses**–All elements and controls are fused in accordance with U.L. requirements when current exceeds 48 amps.
- **ASME Temperature and Pressure Relief Valve** –Factory provided.
- **Non-CFC Foam Insulation**–Superior material formulation provides uniform tank coverage with a thick blanket of insulating foam. This Non-CFC polyurethane closed cell foam minimizes standby losses and maximizes heat retention.
- **Hinged Access Door**–Provides easy access from front of heater to electrical controls.
- **3 Year Limited Tank Warranty, 1 Year Limited Parts Warranty**
See warranty for details.



Lochinvar®
HIGH EFFICIENCY BOILERS & WATER HEATERS

DIMENSIONS & SPECIFICATIONS



AMPERAGE TABLE								
KW	Single Phase				Three Phase			
	208V	240V	277V	480V	208V	240V	480V	
12.3	59	51	44	26	34	30	15	
13.5	64.9	56.3	48.7	28.1	37.5	32.5	16.2	
15	72.1	62.5	54.2	31.3	41.6	36.1	18.0	
18	86.5	75.0	65.0	37.5	50.0	43.3	21.7	
24	115.4	100.0	86.6	50.0	66.6	57.7	28.9	
27	129.8	112.5	97.5	56.3	74.9	65	32.5	
30	144.2	125.0	108.3	62.5	83.3	72.2	36.1	
36	173.1	150.0	130.0	75.0	99.9	86.6	43.3	
40.5	194.7	168.8	146.2	84.4	112.4	97.4	48.7	
45	216.3	187.5	162.5	93.8	124.9	108.3	54.1	
54	N/A	225.0	194.9	112.5	149.9	129.9	65.0	

VOLTAGE SCHEDULE		
T - 208V / 1 or 3 PH	W - 277V / 1 PH	Z - 415V / 1 or 3 PH
P - 240V / 1 or 3 PH	X - 480V / 1 or 3 PH	

Model Number	KW	Gallon Capacity	GPH @ 100°F Rise	Number of Elements	A	B	C	Shipping Weight
HC(X)12 050	12.3	50	49	3	55-3/4"	21-3/4"	27"	265
HC(X)13 050	13.5	50	55	3	55-3/4"	21-3/4"	27"	265
HC(X)15 050	15	50	61	3	55-3/4"	21-3/4"	27"	265
HC(X)18 050	18	50	74	3**	55-3/4"	21-3/4"	27"	265
HC(X)24 050	24	50	98	6	55-3/4"	21-3/4"	27"	265
HC(X)27 050	27	50	111	6	55-3/4"	21-3/4"	27"	265
HC(X)30 050	30	50	123	6	55-3/4"	21-3/4"	27"	265
HC(X)36 050	36	50	148	6***	55-3/4"	21-3/4"	27"	265
HC(X)40 050	40.5	50	166	9	55-3/4"	21-3/4"	27"	265
HC(X)45 050	45	50	194	9	55-3/4"	21-3/4"	27"	265
HC(X)54 050	54	50	221	9	55-3/4"	21-3/4"	27"	265
HC(X)12 080	12.3	80	49	3	60-1/4"	25-1/2"	31"	280
HC(X)13 080	13.5	80	55	3	60-1/4"	25-1/2"	31"	280
HC(X)15 080	15	80	61	3	60-1/4"	25-1/2"	31"	280
HC(X)18 080	18	80	74	3**	60-1/4"	25-1/2"	31"	280
HC(X)24 080	24	80	98	6	60-1/4"	25-1/2"	31"	280
HC(X)27 080	27	80	111	6	60-1/4"	25-1/2"	31"	280
HC(X)30 080	30	80	123	6	60-1/4"	25-1/2"	31"	280
HC(X)36 080	36	80	148	6***	60-1/4"	25-1/2"	31"	280
HC(X)40 080	40.5	80	166	9	60-1/4"	25-1/2"	31"	280
HC(X)45 080	45	80	194	9	60-1/4"	25-1/2"	31"	280
HC(X)54 080	54	80	221	9	60-1/4"	25-1/2"	31"	280
HC(X)12 119	12.3	120	49	3	62-1/4"	29-1/2"	35"	390
HC(X)13 119	13.5	120	55	3	62-1/4"	29-1/2"	35"	390
HC(X)15 119	15	120	61	3	62-1/4"	29-1/2"	35"	390
HC(X)18 119	18	120	74	3**	62-1/4"	29-1/2"	35"	390
HC(X)24 119	24	120	98	6	62-1/4"	29-1/2"	35"	390
HC(X)27 119	27	120	111	6	62-1/4"	29-1/2"	35"	390
HC(X)30 119	30	120	123	6	62-1/4"	29-1/2"	35"	390
HC(X)36 119	36	120	148	6***	62-1/4"	29-1/2"	35"	390
HC(X)40 119	40.5	120	166	9	62-1/4"	29-1/2"	35"	390
HC(X)45 119	45	120	194	9	62-1/4"	29-1/2"	35"	390
HC(X)54 119	54	120	221	9	62-1/4"	29-1/2"	35"	390

208V models are configured with 6 elements, *208V models are configured with 9 elements, Note: 208V - 54KW models are factory assembled only. They are not field convertible.



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