

# 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.

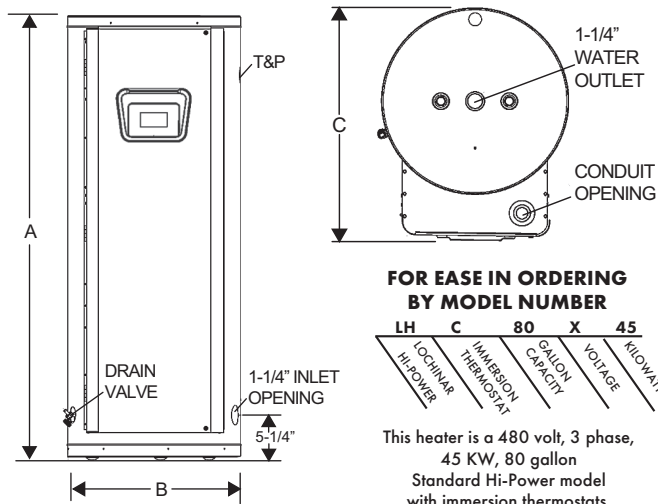
**HINGED ACCESS DOOR** –Provides easy access from front of heater to electrical control.

**3 YEAR LIMITED TANK WARRANTY, 1 YEAR LIMITED PARTS WARRANTY** - See warranty for details.



**Lochinvar®**  
HIGH EFFICIENCY BOILERS & WATER HEATERS

## DIMENSIONS AND 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
LHC-50 (X)12	12.3	50	49	3	55-3/4"	21-3/4"	27"	265
LHC-50 (X)13	13.5	50	55	3	55-3/4"	21-3/4"	27"	265
LHC-50 (X)15	15	50	61	3	55-3/4"	21-3/4"	27"	265
LHC-50 (X)18	18	50	74	3**	55-3/4"	21-3/4"	27"	265
LHC-50 (X)24	24	50	98	6	55-3/4"	21-3/4"	27"	265
LHC-50 (X)27	27	50	111	6	55-3/4"	21-3/4"	27"	265
LHC-50 (X)30	30	50	123	6	55-3/4"	21-3/4"	27"	265
LHC-50 (X)36	36	50	148	6***	55-3/4"	21-3/4"	27"	265
LHC-50 (X)40	40.5	50	166	9	55-3/4"	21-3/4"	27"	265
LHC-50 (X)45	45	50	194	9	55-3/4"	21-3/4"	27"	265
LHC-50 (X)54	54	50	221	9	55-3/4"	21-3/4"	27"	265
LHC-80 (X)12	12.3	80	49	3	60-1/4"	25-1/2"	31"	280
LHC-80 (X)13	13.5	80	55	3	60-1/4"	25-1/2"	31"	280
LHC-80 (X)15	15	80	61	3	60-1/4"	25-1/2"	31"	280
LHC-80 (X)18	18	80	74	3**	60-1/4"	25-1/2"	31"	280
LHC-80 (X)24	24	80	98	6	60-1/4"	25-1/2"	31"	280
LHC-80 (X)27	27	80	111	6	60-1/4"	25-1/2"	31"	280
LHC-80 (X)30	30	80	123	6	60-1/4"	25-1/2"	31"	280
LHC-80 (X)36	36	80	148	6***	60-1/4"	25-1/2"	31"	280
LHC-80 (X)40	40.5	80	166	9	60-1/4"	25-1/2"	31"	280
LHC-80 (X)45	45	80	194	9	60-1/4"	25-1/2"	31"	280
LHC-80 (X)54	54	80	221	9	60-1/4"	25-1/2"	31"	280
LHC-119 (X)12	12.3	120	49	3	62-1/4"	29-1/2"	35"	390
LHC-119 (X)13	13.5	120	55	3	62-1/4"	29-1/2"	35"	390
LHC-119 (X)15	15	120	61	3	62-1/4"	29-1/2"	35"	390
LHC-119 (X)18	18	120	74	3**	62-1/4"	29-1/2"	35"	390
LHC-119 (X)24	24	120	98	6	62-1/4"	29-1/2"	35"	390
LHC-119 (X)27	27	120	111	6	62-1/4"	29-1/2"	35"	390
LHC-119 (X)30	30	120	123	6	62-1/4"	29-1/2"	35"	390
LHC-119 (X)36	36	120	148	6***	62-1/4"	29-1/2"	35"	390
LHC-119 (X)40	40.5	120	166	9	62-1/4"	29-1/2"	35"	390
LHC-119 (X)45	45	120	194	9	62-1/4"	29-1/2"	35"	390
LHC-119 (X)54	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.

For technical information call 800-722-2101. Lochinvar, LLC reserves the right to make product changes or improvements without prior notice.



Lochinvar, LLC  
300 Maddox Simpson Parkway  
Lebanon, Tennessee 37090  
P: 615.889.8900 / F: 615.547.1000  
f Lochinvar.com



LOW LEAD CONTENT