

# COMMERCIAL WATER HEATERS

*Engineered and constructed for commercial, industrial and institutional applications*

## STANDARD HI-POWER SURFACE THERMOSTAT MODELS

### STANDARD FEATURES

**120°F TO 180°F TEMPERATURE CONTROL** –The surface thermostat on each heating element is designed for 120°F to 180°F high water temperature operation for food service and other commercial applications. NOTE: for water temperature operation as low as 90°F, use the Immersion Thermostat Standard High Power water heaters.

**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.

**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.



DESIGNED ★ ENGINEERED ★ ASSEMBLED

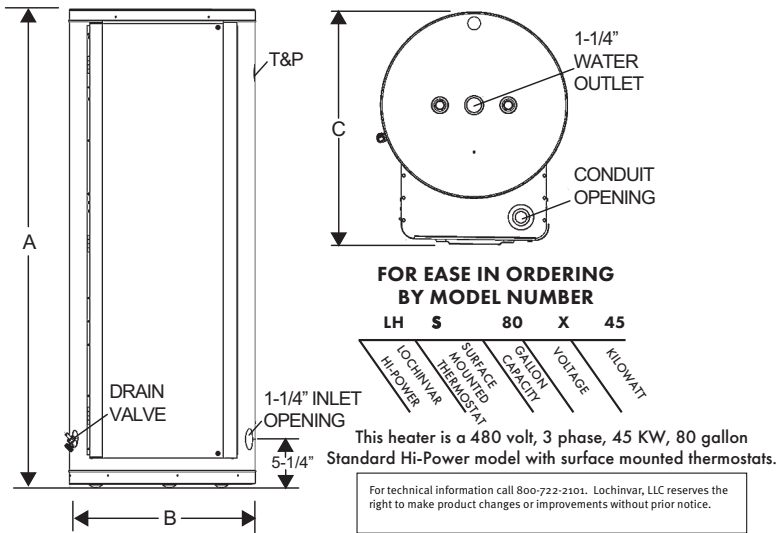
# USA



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



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LOW LEAD CONTENT