

COMMERCIAL WATER HEATERS

Available in point-of-use, tall and short models, Lochinvar's commercial electric water heaters offer a wide range of capacities and a choice of voltages. This flexibility—combined with their Energy Saver design and durable construction—makes them ideal for many low-draw commercial and industrial applications.

LIGHT DUTY ELECTRIC MODELS

STANDARD FEATURES

NON-SIMULTANEOUS OR SIMULTANEOUS WIRING - 30, 40 and 50 gallon models are factory wired for non-simultaneous operation, standard. 65, 80 and 120 gallon models are factory wired for simultaneous operation, standard. All Non-SIM and SIM models can be field converted.

GLASS-LINED STEEL TANK - The durable glass lining is fused to the tank at 1,600°F to assure lasting protection against rust and corrosion while providing clean, clear hot water. 300 psi test pressure; 150 psi working pressure.

NON-CFC FOAM INSULATION - A uniform coverage of thick closed-cell foam insulation minimizes standby losses and maximizes heat retention.

ADJUSTABLE THERMOSTATS - This accurate control provides an easy way to reset water temperature for best economy.

AUTOMATIC OVERHEAT PROTECTION - Provides automatic overheat safety control with manual reset high limit feature.

TANK SAVER ANODE - A large diameter, high capacity anode inhibits corrosion of the tank interior for long, trouble-free service.

SINGLE OR THREE PHASE WIRING - Wired for 3-phase operation standard. Field adjustable to 1-phase.

ASME TEMPERATURE & PRESSURE RELIEF VALVE - Factory installed for safety.

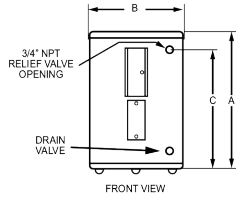
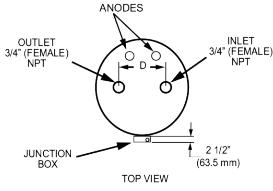
3-YEAR LIMITED TANK WARRANTY, 1-YEAR LIMITED PARTS WARRANTY – See warranty for details.



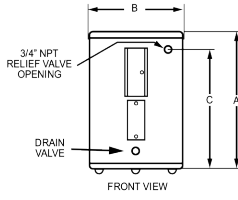
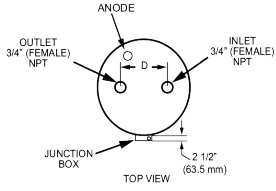
Lochinvar[®]
HIGH EFFICIENCY BOILERS & WATER HEATERS

DIMENSIONS & SPECIFICATIONS

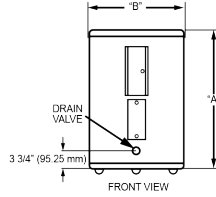
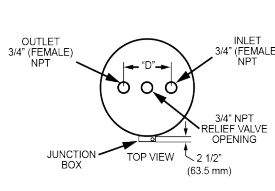
LDS-30 XK - LDS-50 XK



LDT-30 XK - LDT-50 XK



LDT-65 XR - LDT-120 XR



T	208V	1 or 3 PH
P	240V	1 or 3 PH
W	277V	1 PH
X	480V	3 PH

Wattage Limits w/ Simultaneous Operation

208V - 10,000W (5,000W/5,000W)
240V - 10,000W (5,000W/5,000W)
277V - 12,200W (6,100W/6,100W)
480V - 12,200W (6,100W/6,100W)

Wattage Limits applicable to 30, 40 & 50 gal Short and 30, 40 & 50 gal Tall.

**FOR EASE IN ORDERING
BY MODEL NUMBER**

LD	S	50	X	K
LIGHT DUTY	SHORT	TANK CAPACITY	VOLTAGE	WATTAGE

This is a Short Commercial Electric 480 volt model with a tank capacity of 50 gallons. The upper and lower elements are 4500 watts.

LIGHT DUTY COMMERCIAL MODELS

Model Number	Nominal Cap.	Rated Cap.	UEF	A	B	C	D	Ship Wt.
Short Models / Dual Elements, Multiple Element Wattages, Non-Simultaneous								
LDS-30 XK	36	33	0.92	32"	24"	24"	8"	118
LDS-40 XK	38	35	0.92	32"	23"	24"	8"	118
LDS-50 XK	51	48	0.92	36"	26-1/2"	25"	8"	172
Tall Models / Dual Elements, Multiple Element Wattages, Non-Simultaneous								
LDT-30 XK	40	37	0.92	49-3/4"	20-1/2"	53-1/4"	8"	118
LDT-40 XK	50	46	0.92	59"	20-1/2"	51-1/4"	8"	125
LDT-50 XK	55	55	0.92	56-1/2"	24"	48-1/2"	8"	145
Tall Models / Dual Elements, 6100 Watt Elements Only, Simultaneous								
LDT-65 XR	66	60	N/A	60-3/4"	21-3/4"	-	8"	176
LDT-80 XR	80	76	N/A	59-3/8	24"	-	8"	211
LDT-120 XR	120	108	N/A	62-7/16"	29-3/8"	-	8"	326

Notes: Water connections 3/4" NPT on all models. Short and Tall models are factory wired for three phase service and are field converted to single phase.

Models		T - 208V/ 1 or 3PH	P - 240V/ 1 or 3PH	W - 277V/ 1PH	X - 480V/ 3PH
LDS-30	Min Wattage	4500	4500	4500	4500
	Max Wattage	6000*	6000*	6000	6000
LDS-40	Min Wattage	4500	4500	4500	4500
	Max Wattage	6000*	6000*	6000	6000
LDS-50	Min Wattage	4000	4000	4000	4000
	Max Wattage	6000*	6000*	6000	6000
LDT-30	Min Wattage	4500	4500	4500	4500
	Max Wattage	6000*	6000*	6000	6000
LDT-40	Min Wattage	3000	3000	3000	3000
	Max Wattage	6000*	6000*	6000	6000
LDT-50	Min Wattage	2500	2500	2500	2500
	Max Wattage	6000*	6000*	6000	6000
LDT-65	Single Wattage/	N/A	6100	6100	6100

to LDT-120 Simultaneous

See "Element Availability Schedule" for letter codes and available voltage/wattage combinations. * Simultaneous operation is not available for 6000 watt models.

Element Availability Schedule

Wattage	120V**	208V**	240V	277V	480V
Non-Simultaneous					
F-2500	Yes	Yes	Yes	Yes	Yes
G-3000	Yes	Yes	Yes	Yes	Yes
H-3500	N/A	Yes	Yes	N/A	N/A
J-4000	N/A	Yes	Yes	Yes	Yes
K-4500	N/A	Yes	Yes	Yes	Yes
M-5000	N/A	Yes	Yes	Yes	Yes
N-5500	N/A	Yes*	Yes*	N/A	N/A
P-6000	N/A	Yes*	Yes*	Yes	Yes
Simultaneous					
R-6100	N/A	N/A	Yes	Yes	Yes

* Simultaneous operation is not available for 5500 & 6000 watt models.

Notes:Max Wattage for EJ-006 is 3000W

* Indicates Not Available for EJ-010 and EJ-015

**LDT-65, 80 & 120 not available in 120 & 208V

Recovery Rate (GPH @ °F)

Element	Wattage	40°F	60°F	80°F	100°F	120°F
Non-Simultaneous						
F	2500	26	17	13	10	8
G	3000	30	20	15	12	10
H	3500	36	34	18	14	12
J	4000	41	27	20	16	14
K	4500	46	30	23	18	15
M	5000	51	34	25	20	17
N	5500	56	38	28	22	19
P	6000	61	41	30	24	20
Simultaneous						
R-6100	12200	124	82	62	49	41

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



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