



Light Duty Commercial Electric Water Heaters

Junior, Tall & Short models – 6 to 120 Gallons

Available in junior, 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.

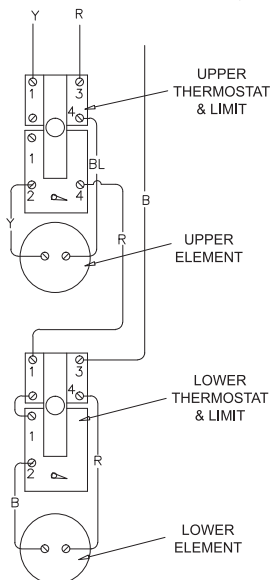
Standard Features

- **Energy Saving Design**—All models meet the latest NAECA and ASHRAE Energy Efficiency Standards.
- **Glass-Lined Steel Tank**—300 psi test pressure, 150 psi working pressure.
- **Non-CFC Foam Insulation**—Surrounds the tank surface to minimize standby heat loss. Exceeds ASHRAE 90.1 standard.
- **Adjustable Thermostats**—Adjustable, accurate control provides easy means of selecting most desirable temperature.
- **Automatic Overheat Protection**—Provides automatic overheat safety control with manual reset high limit feature.
- **Magnesium Tank Saver Anode**—Large diameter magnesium anode prolongs tank life and inhibits corrosion.
- **Dip Tube**—Withstands temperatures of 400°F.
- **ASME Temperature & Pressure Relief Valve**—Included with all models.
- **Warranty**—3 year limited warranty. 1 year limited warranty on parts. (See warranties for details)



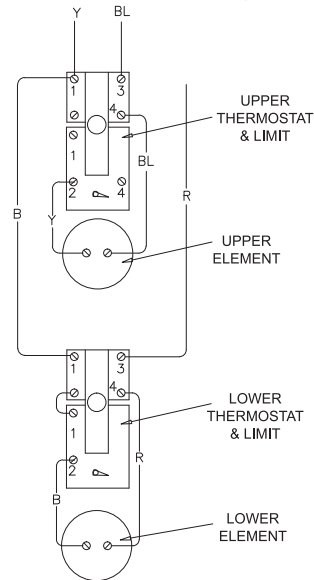
Electric Wiring Diagram

INTERLOCKING
(UNBALANCED 3 ϕ OPERATION)



WHEN ORDERING—SPECIFY
INTERLOCKING ELEMENT OPERATION
(Both elements cannot be energized at one time.)

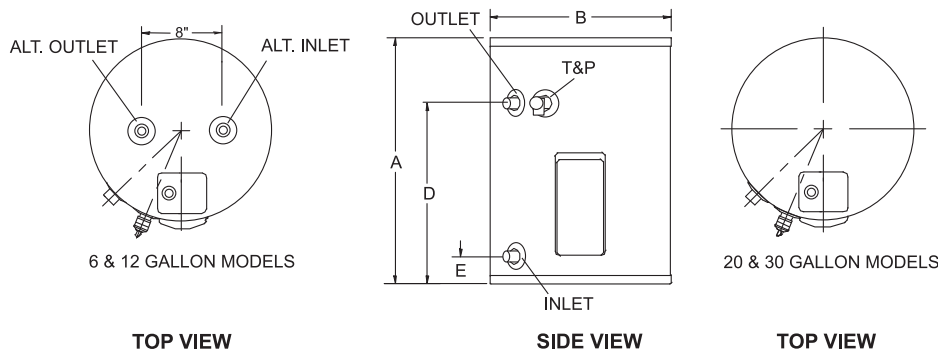
SIMULTANEOUS
(UNBALANCED 3 ϕ OPERATION)



WHEN ORDERING—SPECIFY
SIMULTANEOUS ELEMENT OPERATION

Dimensions & Specifications

Junior models

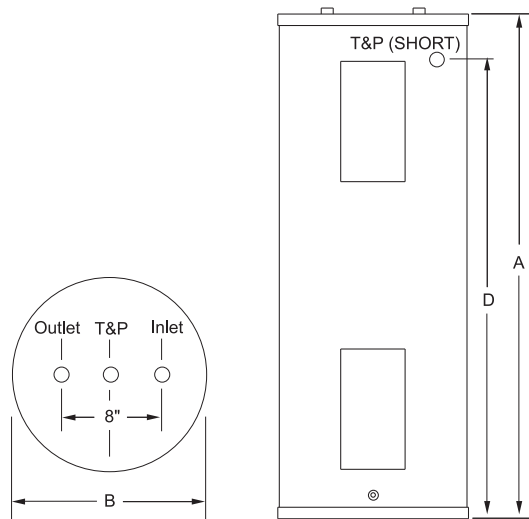


For Ease in Ordering by Model Number

MODEL	VOLTAGE	TANK CAPACITY	UPPER ELEMENT	LOWER ELEMENT
LT X 052 K K				

This is a Tall Commercial Electric 480 volt model with a tank capacity of 52 gallons. The upper and lower elements are 4500 watts.

Tall & Short models



Notes: Water connections 3/4" NPT on all models.
(LTX120 is standard with 1" water connections)

Standard wattage and voltage: 4500W/480V 3φ

Model Number	Gallon Capacity	A	B	D	E	Shipping Weight
Junior Models						
JRW006E	6	16-1/2"	14"	10-1/4"	3"	33
JRW012E	12	27-3/4"	14"	21-1/4"	3"	48
JRW020E	19	24-3/4"	18"	18-1/4"	3"	59
JRW031E	30	30"	22"	23-1/2"	4-1/2"	92
Tall Models						
LTX030KK	30	47"	18"	-	-	85
LTX040KK	40	47"	20"	-	-	103
LTX052KK-T	50	57-1/2"	20"	-	-	123
LTX052KK	50	46-1/2"	22"	-	-	130
LTX066KK	65	59-1/4"	22"	-	-	156
LTX082KK	80	59"	24"	-	-	183
LTX120KK	119	63-3/4"	28"	-	-	305
Short Models						
LSX030KK	30	29-3/4"	22"	24"	-	96
LSX040KK	40	31-3/4"	24"	24-1/4"	-	125
LSX050KK	47	31-3/4"	26"	24-1/4"	-	153

Element Availability

Element	Wattage	Recovery Rate (GPH @ °F Rise)						
		40	50	60	70	80	90	100
E	1500	16	12	10	9	8	7	6
F	2000	21	17	14	12	10	9	8
G	2500	26	21	17	15	13	11	10
H	3000	31	25	21	18	16	14	12
J	3500	36	29	24	21	18	16	14
L	4000	41	33	28	24	21	18	17
K	4500	47	37	31	27	23	21	19
M	5000	52	41	34	30	26	23	21
P	6000	62	50	41	35	31	28	25

Notes: Max. wattage Jr. models 6 & 12 = 3000W
Max. wattage Jr. models 20 & 31 = 6000W

Voltage Schedule

J - 208V 1φ	W - 277V 1φ
K - 208V 3φ	Y - 380V 3φ
A - 240V 1φ	Z - 415V 3φ
B - 240V 3φ	V - 480V 1φ
X - 480V 3φ	

Note: Jr models available in 1φ and 480V 1φ only.

Wattage Limits w/ Simultaneous Operation

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



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