



# Residential Electric Water Heaters

## Tall and Short Models

Lochinvar's residential electric water heaters are available in tall models from 30 to 120 gallons and short models from 30 to 50 gallons. Various combinations of elements, wiring and voltages can be furnished to meet most applications. All models meet or exceed the NAECA and ASHRAE Energy Efficiency Standards. Every unit features a sophisticated design for high efficiency, low standby loss, high first hour delivery and money saving performance. All water heaters are triple tested during fabrication to ensure the highest standards of quality and performance for a long service life.

## Standard Features

- **2" Non-CFC Foam Insulation** - Reduces standby heat loss.
  - **Immersion Type Heating Elements** - tin-coated, copper sheath design for longer life in hard, aggressive water.
  - **Screw-In Element Mounting** - for easy replacement and service.
  - **Adjustable Thermostat and Automatic Overheat Safety Limit** - for accurate, easy control of water temperature and safe operation.
  - **Heat Traps** - Factory installed, minimizes heat loss through piping.
  - **Glass-lined Steel Tank** - fused to the interior of the tank to assure a long life providing clean, clear hot water.
  - **Magnesium Tank Saver Anode** - high capacity anode provides protection from the effects of electrolytic corrosion.
  - **Dielectric Nipples** - provides an extra measure of tank protection and piping convenience.
  - **Relief Valve Tapping** - top/center location for installation flexibility and convenience.
  - **Brass Drain Valve**
  - **6 Year Limited Warranty\***  
(See warranty for details)
  - **10 Year Extended Warranty Available**  
(In residential applications)
- \* 3 year limited warranty on tank and 1 year limited warranty on Parts when installed in commercial applications



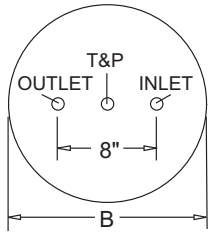
*Temperature & Pressure relief valve supplied with all models.*

## Optional Features

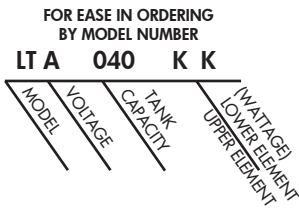
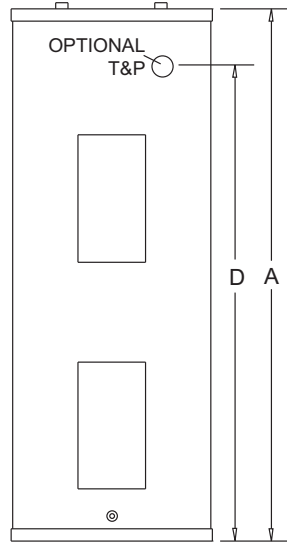
- **Voltages Available**—120, 208, 240 volts.  
(Wired for single phase only)
- **Simultaneous Thermostat Operation** (Available)

*For 277, 380, 415 & 480 volts, and all 3Ø  
see Light Duty Commercial Water Heaters*

# Dimensions and Specifications Tall and Short Models



Short Models Have Optional Side T & P Relief Valve Tapping



This heater has a 6 year warranty. It is a tall model, has a 40 gallon capacity with a 240 volt 4500 watt upper element and 4500 watt lower element.

Model Number	Gal. Cap.	Input Watts	1st Hour Energy Gallons	Factor	A	B	D	Shipping Weight
<b>Tall Models</b>								
LTA030KK	30	4500	43	0.93	47-1/4"	18"		85
LTA040KK	40	4500	53	0.92	48"	20"		103
LTA052KK-T	50	4500	63	0.90	57-1/2"	20"		123
LTA052KK	50	4500	59	0.90	46-1/2"	22"		130
LTA066KK	65	4500	72	0.88	59-1/4"	22"		156
LTA082KK	80	4500	87	0.87	60-1/4"	24"		183
LTA120KK	119	4500	105	0.84	63-3/4"	28"		305
<b>Short Models</b>								
LSA030KK	30	4500	40	0.93	30"	22"	24"	86
LSA040KK	40	4500	47	0.92	32"	24"	24-1/2"	115
LSA050KK	47	4500	52	0.90	32"	26"	24-1/2"	143
<b>High Efficiency Models</b>								
LTA041KK	40	4500	53	0.93	47"	20"		103
LTA051KK	50	4500	63	0.93	47-1/2"	22"		130
LTA065KK	65	4500	72	0.91	61-1/4"	24"		160
LTA081KK	80	4500	87	0.91	60"	26"		191

Notes: Water connections are 3/4" NPT on all models except LTA120 which is 1" NPT.  
Total amperage not to exceed 48 amps.  
Standard Voltage and Wattage: 240v - 4500w.

### Certified for Potable Water and Space Heating Applications

This water heater is suitable for water heating and space heating. Toxic chemicals, such as those used for boiler water treatment shall NEVER be introduced into this system. This water heater may NEVER be connected to any existing heating system or components previously used with non-potable water heating appliances.

### HEATING ELEMENT SCHEDULE

E - 1500	L - 4000
F - 2000	K - 4500
G - 2500	M - 5000
H - 3000	P - 6000
J - 3500	

### VOLTAGE SCHEDULE

C - 120V	1ø
J - 208V	1ø
A - 240V	1ø

### VOLTAGE SCHEDULE

Element	Wattage	Recovery Rate (GPH)						
		40°F	50°F	60°F	70°F	80°F	90°F	100°F
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



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