



## Energy Saver Residential Electric Water Heaters

### Energy Saver Electric Models

Lochinvar's Energy Saver residential electric models are available in 30, 40, 50 and 55 gallon capacities in short, medium and tall configurations.

#### Standard Features

- **Code Compliance** - Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act, (EPCA), as amended. Meets the thermal efficiency and standby loss requirements of ASHRAE/IES 90.1. Meets UBC, CEC and HUD national codes.
- **Approved for Manufactured Home** - The Energy Saver electric models meet HUD requirements for manufactured home installations.
- **Adjustable Electric Thermostat Control** - This accurate control provides an easy way to adjust water temperature for best economy and optimum comfort. An automatic overheat safety control is standard.
- **Immersion Heating Elements** - Zinc-coated, copper sheath design for longer life in hard, aggressive water. The elements screw in for easy service and replacement.
- **Glass-Lined Steel Tank** - The durable glass lining is fused to the steel tank at 1600°F to assure lasting protection against rust and corrosion while providing clear, clean 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 heat loss, maximizes heat retention and delivers a high Energy Factor.
- **Tank Saver Anode** - A large diameter, high capacity anode inhibits corrosion of the tank interior for long, trouble-free service.
- **Heat Trap** - Heat traps are built into the inlet and outlet connections to eliminate heat migration and heat loss in the water piping.
- **Temperature & Pressure Relief Valve** - Factory installed for optimum safety.
- **Brass Drain Valve** - An enhanced ball valve design for effective drainage and positive shut-off.
- **6-Year Limited Tank & Parts Warranty\*** – See warranty sheet for details.
- **10-Year Extended Warranty Available** – Available for residential applications only.

\* 1-year limited tank & parts warranty when installed in a commercial application.



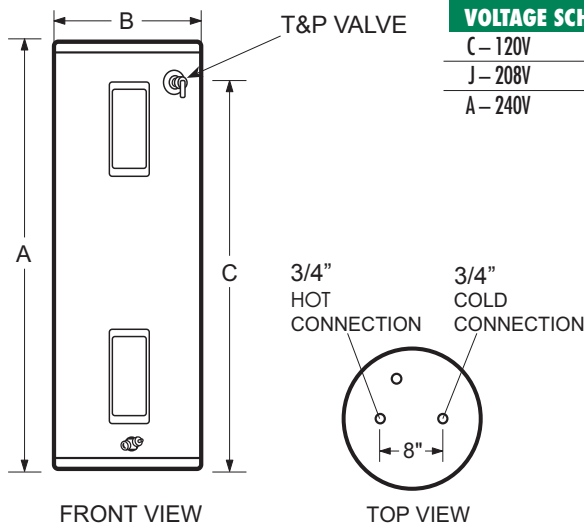
#### Optional Features

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

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

**All models meet or exceed Federal and ASHRAE Energy Efficiency Standards**

# Dimensions and Specifications



| VOLTAGE SCHEDULE |    |
|------------------|----|
| C - 120V         | 1ø |
| J - 208V         | 1ø |
| A - 240V         | 1ø |

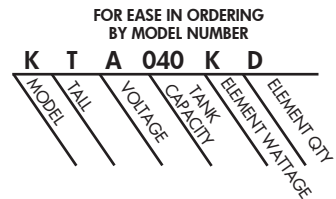
| Wattage | ELEMENT AVAILABILITY SCHEDULE |          |          |
|---------|-------------------------------|----------|----------|
|         | C - 120V                      | J - 208V | A - 240V |
| C-1500  | N/A                           | Yes      | Yes      |
| D-1650  | Yes                           | N/A      | N/A      |
| E-2000  | Yes                           | Yes      | Yes      |
| F-2500  | Yes                           | Yes      | Yes      |
| G-3000  | Yes                           | Yes      | Yes      |
| H-3500  | N/A                           | Yes      | Yes      |
| J-4000  | N/A                           | Yes      | Yes      |
| K-4500  | N/A                           | Yes      | Yes      |
| M-5000  | N/A                           | Yes      | Yes      |
| N-5500  | N/A                           | Yes      | Yes      |
| P-6000  | N/A                           | N/A      | Yes      |

| RECOVERY RATE (GPH @ °F) |      |       |
|--------------------------|------|-------|
| 40°F                     | 70°F | 100°F |
| 16                       | 9    | 6     |
| 17                       | 10   | 7     |
| 21                       | 12   | 8     |
| 26                       | 15   | 10    |
| 31                       | 18   | 12    |
| 36                       | 21   | 14    |
| 41                       | 24   | 17    |
| 47                       | 27   | 19    |
| 52                       | 30   | 21    |
| 57                       | 32   | 23    |
| 62                       | 35   | 25    |

| Model Number  | Nominal Gal. Cap. | Rated Gal. Cap. | Standard Voltage | Standard Watts | Min. Watts | Max. Watts | UEF | 1st Hr. Rating | GPH @ 90°F Rise | A       | B       | C       | Ship. Wt. |
|---|-------------------|-----------------|------------------|----------------|------------|------------|-----|----------------|-----------------|---------|---------|---------|-----------|
| <b>Energy Saver with Insulation Blanket - Short Models</b>  |                   |                 |                  |                |            |            |     |                |                 |         |         |         |           |
| KSA030KDB   | 28                | 26              | 240V             | 4500           | 1500       | 6000       | .89 | 43             | 21              | 30"     | 20"     | 21-3/4" | 90        |
| KSA040JDBW  | 38                | 35              | 240V             | 4000           | 1500       | 4000       | .90 | 38             | 18              | 32"     | 23"     | 24"     | 118       |
| KSA040KDB   | 38                | 35              | 240V             | 4500           | 4500       | 6000       | .93 | 51             | 21              | 32"     | 23"     | 24"     | 118       |
| KSA050HDBW  | 48                | 44              | 240V             | 3500           | 1500       | 3500       | .91 | 40             | 16              | 34"     | 26-1/2" | 25"     | 172       |
| KSA050KDB   | 48                | 44              | 240V             | 4500           | 4000       | 6000       | .93 | 60             | 21              | 34"     | 26-1/2" | 25"     | 172       |
| <b>Energy Saver - Short Models</b>                          |                   |                 |                  |                |            |            |     |                |                 |         |         |         |           |
| KSA030KD  | 28                | 26              | 240V             | 4500           | 1500       | 6000       | .90 | 44             | 21              | 31-1/4" | 24"     | 21-3/4" | 115       |
| KSA036JDW   | 36                | 33              | 240V             | 4000           | 1500       | 4000       | .89 | 37             | 18              | 32"     | 24"     | 24"     | 118       |
| KSA036KD  | 36                | 33              | 240V             | 4500           | 4500       | 6000       | .92 | 51             | 21              | 32"     | 24"     | 24"     | 118       |
| KSA040KD  | 38                | 35              | 240V             | 4500           | 1500       | 6000       | .89 | 50             | 21              | 33-1/2" | 26"     | 24"     | 118       |
| KSA050KD  | 51                | 48              | 240V             | 4500           | 4000       | 6000       | .92 | 54             | 21              | 36"     | 26-1/2" | 25"     | 172       |
| <b>Energy Saver with Insulation Blanket - Medium Models</b> |                   |                 |                  |                |            |            |     |                |                 |         |         |         |           |
| KMA030KDB   | 30                | 27              | 240V             | 4500           | 1500       | 6000       | .90 | 50             | 21              | 39"     | 20"     | 30-1/2" | 95        |
| <b>Energy Saver - Medium Models</b>                         |                   |                 |                  |                |            |            |     |                |                 |         |         |         |           |
| KMA030KD  | 30                | 27              | 240V             | 4500           | 1500       | 6000       | .89 | 47             | 21              | 39-3/4" | 22"     | 30-1/2" | 94        |
| KMA040JDW   | 40                | 37              | 240V             | 4000           | 1500       | 4000       | .88 | 41             | 11              | 49-3/4" | 20-1/2" | 40-3/4" | 109       |
| KMA040KD  | 40                | 37              | 240V             | 4500           | 4500       | 6000       | .92 | 55             | 21              | 49-3/4" | 20-1/2" | 40-3/4" | 109       |
| KMA050KD  | 50                | 46              | 240V             | 4500           | 2500       | 6000       | .92 | 57             | 21              | 49-1/4" | 23"     | 40-1/2" | 161       |
| <b>Energy Saver - Tall Models</b>                           |                   |                 |                  |                |            |            |     |                |                 |         |         |         |           |
| KTA030KD  | 30                | 27              | 240V             | 4500           | 1500       | 6000       | .89 | 48             | 21              | 46-1/2" | 19"     | 39-1/2" | 95        |
| KTA040KD  | 40                | 36              | 240V             | 4500           | 3500       | 6000       | .92 | 53             | 21              | 61-1/4" | 18"     | 53-1/4" | 118       |
| KTA052FDW   | 50                | 46              | 240V             | 2500           | 1500       | 2500       | .88 | 45             | 11              | 60-1/2" | 20-1/2" | 51-1/4" | 125       |
| KTA052KD  | 50                | 46              | 240V             | 4500           | 3000       | 6000       | .93 | 62             | 21              | 60-1/2" | 20-1/2" | 51-1/4" | 125       |
| KTA055KD  | 55                | 55              | 240V             | 4500           | 2500       | 6000       | .93 | 72             | 21              | 56-1/2" | 24"     | 48-1/2" | 145       |

### 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.



This is a 240 volt Tall Water Heater. 40 gallon with upper 4500 watt and lower 4500 watt elements.



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