

3-Year Limited Tank/1-Year Limited Parts Warranty*

Lowboy commercial electric units have a Fused Ceramic Shield applied under pressure and fired at 1600°F to completely cover the tank interior. This provides a tough interior surface for storage tanks and maximum protection against the wearing effects of high-volume and high-temperature water.

- **Dual Incoloy Heating Elements**

Screw-in, direct immersion, 4500 watt, 240 volt heating elements for maximum efficiency. Available in 120, 208, 240, 277 and 480 voltages, single- or three-phase. Multiple wattages available up to 12kw max.

- **Non-CFC Foam Insulation**

The tank is surrounded by a thick coat of non-CFC polyurethane foam to trap heat inside the tank, saving energy.

- **Heat Traps**

Provided for inlet and outlet to reduce heat loss during standby.

- **Dip Tube**

Carries cold inlet water deep into the tank to minimize temperature dilution of hot water.

- **T&P Valve**

Conveniently located on the side of the tank to facilitate piping to a drain or external to the building. Also available with top T&P opening for field-installed top T&P valve.

- **3/4" Water Connections**

Located on top.

- **Anode Rod**

Top-mounted, heavy-duty anode for added tank protection, extending the life of the tank.

- **Built-In Electric Junction Box**

Top-located, convenient junction box, ready for 1/2" or 3/4" conduit.

- **Thermostat/High Limit Control**

Combination control allows adjustment of water temperature up to 170°F. High limit factory set at 190°F.

- **Code Approvals**

Listed to UL 174, 1990 NAECA approved, HUD and ASHRAE 90.1b-1992. All models are certified at 300 PSI test pressure and 150 PSI working pressure.

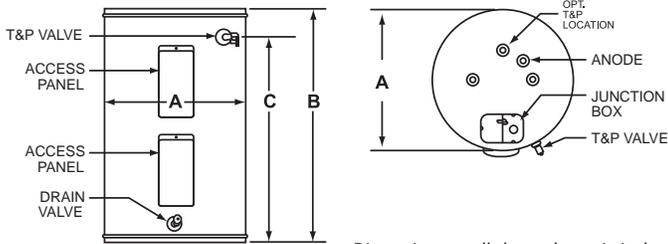
- **Drain Valve**

Non-metallic, corrosion-free drain valve.



Low Lead Content

*For complete warranty information consult the written warranty of American Water Heaters found at www.americanwaterheater.com, or call (800) 456-9805.



Dimensions on all charts shown in inches.

| MODEL NUMBER | GALLON CAPACITY | JACKET DIAMETER A | HEIGHT TO TOP OF HEATER B | HEIGHT TO SIDE T&P OPENING C | STANDARD VOLTAGE | STANDARD KW INPUT | MAX. KW INPUT |
|--------------|-----------------|-------------------|---------------------------|------------------------------|------------------|-------------------|---------------|
| LDCE32-30L | 28 | 22 | 29-1/2 | 22-1/2 | 240 | 4.5 | 12 |
| LDCE32-40L | 38 | 24 | 31-5/8 | 24-1/4 | 240 | 4.5 | 12 |
| LDCE32-50L | 46.5 | 26 | 31-5/8 | 24-1/4 | 240 | 4.5 | 12 |

Limited warranty on tank and parts. Complete details in manual. Specify wattage, voltage and phase when ordering.

| WATTS | TEMPERATURE RISE | | | | | | |
|-------|------------------|-------|-------|-------|-------|-------|--------|
| | 40° F | 50° F | 60° F | 70° F | 80° F | 90° F | 100° F |
| 3000 | 31 | 25 | 20 | 18 | 15 | 14 | 12 |
| 3500 | 36 | 29 | 24 | 20 | 18 | 16 | 14 |
| 4000 | 41 | 33 | 27 | 23 | 20 | 18 | 16 |
| 4500 | 46 | 37 | 31 | 26 | 23 | 20 | 18 |
| 5000 | 51 | 41 | 34 | 29 | 26 | 23 | 20 |
| 5500 | 56 | 45 | 38 | 32 | 28 | 25 | 23 |
| 6000 | 61 | 49 | 41 | 35 | 31 | 27 | 25 |
| 7000 | 72 | 57 | 48 | 41 | 36 | 32 | 29 |
| 8000 | 82 | 66 | 55 | 47 | 41 | 36 | 33 |
| 9000 | 92 | 74 | 61 | 53 | 46 | 41 | 37 |
| 10000 | 102 | 82 | 68 | 59 | 51 | 46 | 41 |
| 11000 | 113 | 90 | 75 | 64 | 56 | 50 | 45 |
| 12000 | 123 | 98 | 82 | 70 | 61 | 55 | 49 |

| ELEMENT WATTAGE | THREE-PHASE FULL LOAD AMPERAGE DRAW | | | | | |
|-----------------|---|------|------|--|-----------|-----------|
| | INTERLOCKING OPERATION All Terminals L1, L2 and L3 | | | SIMULTANEOUS OPERATION Terminal L3/ Terminals L1 and L2 | | |
| | 208V | 240V | 480V | 208V | 240V | 480V |
| 3000/3000 | 14.4 | 12.5 | 6.3 | 25.0/14.4 | 21.7/12.5 | 10.8/6.3 |
| 4000/4000 | 19.2 | 16.7 | 8.3 | 33.3/19.2 | 28.9/16.7 | 14.4/8.3 |
| 4500/4500 | 21.6 | 18.8 | 9.4 | 37.5/21.6 | 32.5/18.8 | 16.4/9.4 |
| 5000/5000 | 24.0 | 20.8 | 10.4 | 41.6/24.0 | 36.1/20.8 | 18/10.4 |
| 5500/5500 | N/A | 22.9 | 11.5 | N/A | 39.8/22.9 | 19.9/11.5 |
| 6000/6000 | N/A | 25.0 | 12.5 | N/A | 43.3/25.0 | 21.7/12.5 |

| ELEMENT WATTAGE | SINGLE-PHASE FULL LOAD AMPERAGE DRAW | | | | |
|-----------------|--------------------------------------|------|------|------|------|
| | 120V | 208V | 240V | 277V | 480V |
| 1500 | 12.5 | 7.2 | 6.3 | 5.4 | 3.1 |
| 2000 | 16.7 | 9.6 | 8.3 | 7.2 | 4.2 |
| 2500 | 20.8 | 12.0 | 10.4 | 9.0 | 5.2 |
| 3000 | 25.0 | 14.4 | 12.5 | 10.8 | 6.3 |
| 3500 | N/A | 16.8 | 14.6 | 12.6 | 7.3 |
| 4000 | N/A | 19.2 | 16.7 | 14.4 | 8.3 |
| 4500 | N/A | 21.6 | 18.8 | 16.2 | 9.4 |
| 5000 | N/A | 24.0 | 20.8 | 18.1 | 10.4 |
| 5500 | N/A | N/A | 22.9 | 19.9 | 11.5 |
| 6000 | N/A | 28.8 | 25.0 | 21.7 | 12.5 |
| 7000 | N/A | 33.7 | 29.2 | 25.3 | 14.6 |
| 8000 | N/A | 38.5 | 33.3 | 28.9 | 16.7 |
| 9000 | N/A | 43.3 | 37.5 | 32.5 | 18.8 |
| 10000 | N/A | 48.1 | 41.7 | 36.1 | 20.8 |
| 11000 | N/A | N/A | 45.8 | 39.7 | 22.9 |
| 12000 | N/A | N/A | 50.0 | 43.3 | 25.0 |

Specification

Commercial electric water heater(s) shall be model _____ as manufactured by American Water Heaters, or an approved equal, and shall have a 3-year tank warranty and a 1-year parts warranty, when installed in a commercial application. Heater(s) shall have a storage capacity of _____ gallons and shall have a rated input of _____ KW at _____ Volts, single-phase/three-phase, 50/60 cycle AC, and shall be design tested and listed in accordance with Underwriter's Laboratories Standard UL 174. Heaters shall meet or exceed the requirements of the Federal "National Appliance Energy Conservation Act of 1987" and shall comply with ASHRAE87-current requirements Standard 90.1-1999. The interior of the storage tank shall be lined with a Fused Ceramic Shield lining, fused to the tank at 1600° F, forming a corrosion-resistant lining; polymer linings are not acceptable. Each tank shall be furnished with an internal anode for cathodic protection. The unit must be equipped with a built-in electrical junction box. Electrical heating elements shall be incoloy screw-in, direct immersion, resistance type. Element operation shall be controlled by a thermostat adjustable to 170° F for each element. A high-temperature cutoff shall be supplied as an integral part of the heater. Element access panels shall be provided on the front of the heater for each element. A corrosion-resistant drain valve shall be provided on the front of each unit. The tank shall be totally encased in a metal jacket and insulated with non-CFC foam to reduce standby heat loss. The tank must be design certified for 300 PSI test pressure and 150 PSI working pressure.

Distributed By:

Order Entry and Sales

500 Princeton Road (FEDEX, UPS)
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 P.O. Box 4808 (Mailing)
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Warranty and Service

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