

## 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**

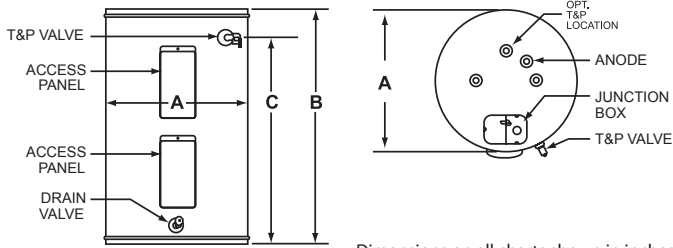
Listed to UL 174, 1990 NAECA approved, HUD and ASHRAE 90.1b-1992. All models are certified at 300 PSI test pressure and 150 PSI working pressure.

- **Drain Valve**

Non-metallic, corrosion-free drain valve.



\*For complete warranty information consult the written warranty of American Water Heaters found at [www.americanwaterheater.com](http://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	GPH RECOVERY CAPACITIES						
	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)  
 Johnson City, TN 37601-2030  
 P.O. Box 4808 (Mailing)  
 Johnson City, TN 37602-4808  
 (800) 937-1037  
 FAX (800) 581-7224

### Warranty and Service

500 Princeton Road (FEDEX, UPS)  
 Johnson City, TN 37601-2030  
 P.O. Box 1597 (Mailing)  
 Johnson City, TN 37605-1597  
 (800) 456-9805  
 FAX (800) 999-5210