

## LIGHT DUTY

Commercial Electric Storage Water Heaters

*American Standard*<sup>®</sup>

WATER HEATERS

[www.americanstandardwaterheaters.com](http://www.americanstandardwaterheaters.com)

### Features

- **TERMINAL BLOCK** – allows for easy field conversion from simultaneous to non-simultaneous and single-phase to three-phase wiring.
- **DUAL HEATING ELEMENTS** – Screw in, INCOLOY, low wattage density to ensure more efficient operation and longer element life.
- **TURBULENCE-INDUCING DIP TUBE** engineered to reduce sediment build-up inside the tank.
- **FACTORY INSTALLED HEAT TRAPS** reduce standby heat loss caused by heat mitigation to water pipes.
- **FULLY AUTOMATIC SURFACE MOUNTED THERMOSTATS** for controlling the temperature, combined with a manual energy cut-off to prevent overheating.
- **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- **TEMPERATURE AND PRESSURE RELIEF VALVE** factory provided & installed.

### Performance

- **HFO FOAM INSULATED** – 2 inch-thick, environmentally-friendly insulation foam.
- **MEETS OR EXCEEDS SAFETY AND EFFICIENCY REQUIREMENTS** – Certified to UL 1453. Tested in accordance with U.S. DOE test procedures and certified by AHRI as meeting or exceeding DOE energy efficiency requirements.

### Quality

- **HEAVY GAUGE STEEL TANK** for extra years of trouble-free service.
- **GLASS-LINED TANK** with DuraGlas™ and fired at 1600°F for optimum protection from the effects of corrosion.
- **MAGNESIUM ANODE ROD** to prolong tank life.
- **PRESSURE TESTED AT THE FACTORY** – All tanks are hydrostatically tested and certified at 300 PSI test pressure and 150 PSI working pressure.
- **6-YEAR LIMITED TANK WARRANTY** and 1-year limited parts warranty.

80 Gallon Capacity  
277V Single Phase  
12.2 kW



Globally Recognized. Industry Respected.



## SPECIFICATIONS AND APPLICATION DATA

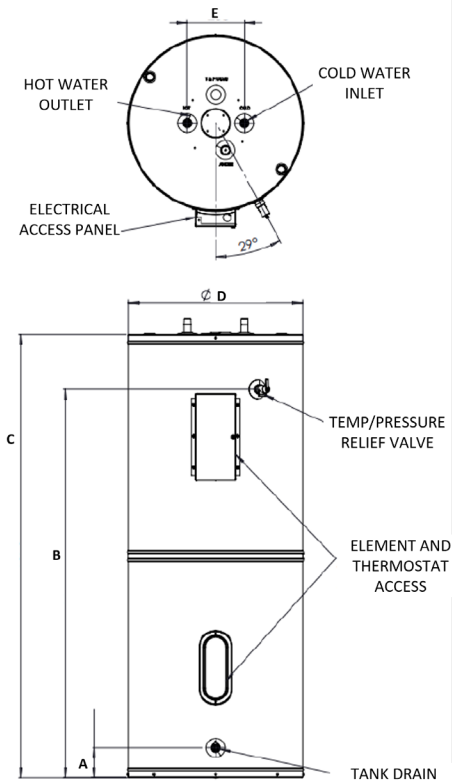
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### DIMENSIONS IN INCHES

MODEL NUMBER	NOMINAL CAPACITY [GAL]	DOE RATED CAPACITY [GAL]	STANDARD VOLTAGE	MAXIMUM WATTAGE	DRAIN VALVE A	SIDE T&P B	HEIGHT TO			APPROX. SHIP WEIGHT [LBS]
							TOP OF HEATER C	JACKET DIAM D	WATER SPREAD E	
LDS-CE-80T	80	73	277	12200	4	54 ½	62	24 ½	8	234

### RECOVERY RATES/CAPACITIES

Input (Watts)	Units	Recovery in U.S. Gallons/Hr. (GPH) and Liters/Hr. (LPH) at Various Temperature Rises									
		40	50	60	70	80	90	100	110	120	
12200	Deg. F	40	50	60	70	80	90	100	110	120	
	Deg. C	22.2	27.8	33.3	38.9	44.4	50.0	55.6	61.1	66.7	
	GPH	126	101	84	72	63	56	50	46	42	
	LPH	477	382	318	273	239	212	191	173	159	



### CONVERSION KITS

PART NUMBER	DESCRIPTION
4090011	KIT LDS CE 208V 6000W
4090012	KIT LDS CE 240V 6000W
4090013	KIT LDS CE 277V 6000W
4090014	KIT LDS CE 480V 6000W
4090015	KIT LDS CE 208V 9000W
4090016	KIT LDS CE 240V 9000W
4090017	KIT LDS CE 277V 9000W
4090018	KIT LDS CE 480V 9000W
4090019	KIT LDS CE 208V 10000W
4090020	KIT LDS CE 240V 10000W
4090021	KIT LDS CE 277V 10000W
4090022	KIT LDS CE 480V 10000W
4090023	KIT LDS CE 208V 12200W
4090024	KIT LDS CE 240V 12200W
4090025	KIT LDS CE 277V 12200W
4090026	KIT LDS CE 480V 12200W



### SAMPLE SPECIFICATION

Commercial Electric Storage Water Heaters shall be AMERICAN STANDARD WATER HEATERS model \_\_\_\_\_ having a storage capacity of \_\_\_\_\_ gallons, a rated input of KW \_\_\_\_\_ at \_\_\_\_\_ Volts, single phase 60 Cycle AC and a recovery rate of \_\_\_\_\_ gallons per hour at \_\_\_\_\_ °F temperature rise. Water heater tank interior shall be glass lined with Dura-Glas™ and insulation shall be non-CFC foam. Water heater shall be tested and listed to Underwriters Laboratories standard UL 1453. Tanks shall have 150 PSI working pressure and be equipped with a magnesium anode. All internal surfaces of the heater(s) exposed to water shall be glasslined with Dura-Glas™ and fired at 1600° F. Electric heating elements shall be low watt density. Manufacturer shall supply ASME rated temperature and pressure relief valve. Meets standby loss requirements of the U. S. Department of Energy and ASHRAE 90.1B.