

DAIRY BARN LIGHT-SERVICE COMMERCIAL ELECTRIC WATER HEATER

This 80-gallon electric water heater is equipped with two heating elements, with thermostats that are adjustable up to 181°F, to provide sanitizing hot water required in a dairy barn environment. It is also shipped with a base with 4" legs, to raise the water heater off the floor to simplify and maintain sanitary conditions.

GLASSLINED TANK

- Tank interior is coated with glass specially designed by A. O. Smith for water heater use.

HEATING ELEMENTS

- Two 4.5 KW zinc plated copper sheathed elements are standard.

STANDARD VOLTAGES

- The standard voltage is 240V single phase.

TOP MOUNTED RECESSED JUNCTION BOX

CONTROLS

- Thermostat is adjustable through a range of 140° to 181°F with a manual reset high temperature cutoff. The heater is wired for non-simultaneous single phase operation.

COREGARD™ ANODE ROD

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection for longer than standard anode rods.

ENHANCED-FLOW BRASS DRAIN VALVE

- Solid brass, tamper resistant, enhanced-flow, ball type, drain valve.

MAXIMUM WORKING PRESSURE 150 PSI

FACTORY INSTALLED CSA CERTIFIED AND ASME RATED TEMPERATURE AND PRESSURE RELIEF VALVE

CERTIFIED TO UL 1453 FOR COMMERCIAL ELECTRIC WATER HEATERS

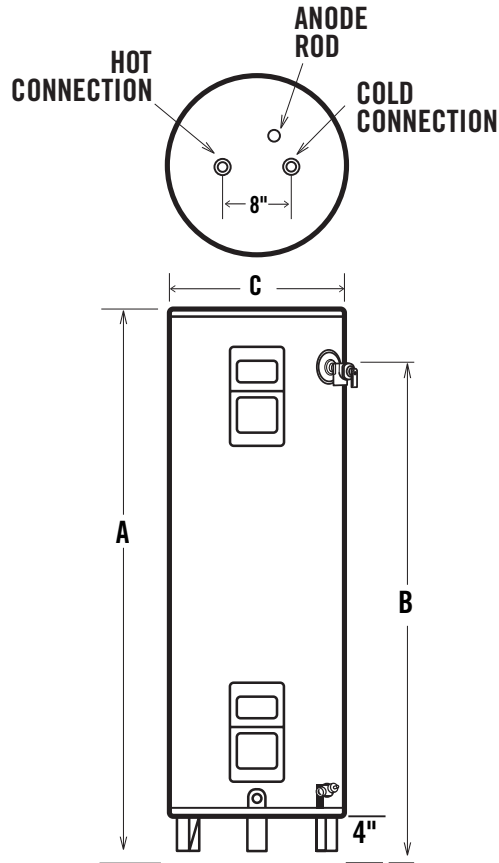
COMPLIANCE

- Meets the standby loss Requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

WARRANTY

- 3-Year limited tank/1-Year limited parts.
- For complete information consult the written warranty or hotwater.com.





PRODUCT SPECIFICATIONS

| Model Number | Gallon Capacity | Standard Element Wattage* 240 VAC | Dimensions in Inches | | | Approx. Shipping Weight (lbs) |
|--------------|-----------------|-----------------------------------|----------------------|--------|----|-------------------------------|
| | | | A | B | C | |
| DCE 82D | 80 | 4500 | 64-1/2 | 56-1/4 | 24 | 187 |

Inlet and outlet connections: 3/4".

RECOVERY CAPACITIES

| Element Wattage (Upper/Lower) | F° | U.S. Gallons/Hr at Temperature Rise Indicated | | | | | | | | | | |
|-------------------------------|-----|-----------------------------------------------|-----|----|----|----|----|----|-----|-----|-----|-----|
| | | 36 | 40 | 54 | 60 | 72 | 80 | 90 | 100 | 108 | 120 | 126 |
| Non-Simultaneous | | | | | | | | | | | | |
| 2500/2500 | GPH | 28 | 25 | 19 | 17 | 14 | 13 | 11 | 10 | 9 | 8 | 8 |
| 4500/4500 | GPH | 51 | 46 | 34 | 30 | 25 | 23 | 20 | 18 | 17 | 15 | 14 |
| 5000/5000 | GPH | 56 | 51 | 38 | 34 | 28 | 25 | 23 | 20 | 19 | 17 | 16 |
| 5500/5500* | GPH | 62 | 56 | 42 | 37 | 31 | 28 | 25 | 22 | 21 | 19 | 18 |
| Simultaneous Operation | | | | | | | | | | | | |
| 4500/4500 | GPH | 101 | 91 | 68 | 61 | 51 | 46 | 41 | 36 | 34 | 30 | 29 |
| 5000/5000 | GPH | 113 | 101 | 75 | 68 | 56 | 51 | 45 | 41 | 38 | 34 | 32 |
| 5500/5500* | GPH | 123 | 112 | 84 | 75 | 62 | 55 | 51 | 44 | 42 | 37 | 35 |

Available in 208 and 240 volts only. Voltage and wattage must be specified when ordering.
 Standard factory wiring is for non-simultaneous operation. Simultaneous operation is optional.
 * 5500 Watts not available in 208 Volts

For technical information, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.