

HEAVY & MEDIUM DUTY ELECTRIC

Heavy Duty: Electric commercial water heaters in 50 through 175-gallon capacities

These models are ideal for general commercial use, point-of-use applications or used as a booster.

Heavy Duty Features

- 98% Thermal efficiency
- 50 to 175-Gallon capacities
- Up to 438 gallons GPH at a 100 degree F rise.
- 190° F Maximum delivered temperature
- Thick foam insulation for minimal standby heat loss
- 3 kW through 108 kW
- 208, 240, 400, 415 or 480 VAC in either single phase or 3-phase
- 2000, 3000, 4000, 4500, 5000 and 6000 in the five voltages; 9000 watt element at 480 VAC
- Choose 1, 3, 6, 9 or 12 element models for your specific application
- Elements are Lifeguard™ stainless steel, screw-in type that resist burn out and corrosion
- Temperature and pressure relief valve at top of 175-gallon model and side on all other models
- Water connections: hot and cold water inlets are 2-1/2" NPT dielectric nipples on the 175-gallon model and 1-1/2" on all other models

Easy Installation & Service

- Control box is located at the front of unit for easy wiring during installation
 - Multiple knockout holes accommodate a variety of conduit sizes
- Exclusive! System Sentinel™ provides a diagnostic panel with LEDs that correspond to the number, location and status of each element
- Exclusive! Full-port, full-flow, brass drain valve for faster draining
- Minimum distance to combustibles is zero inches from jacket and 18 inches from access door
- All models approved for installation on combustible flooring

Warranty

- 3-Year limited tank warranty, upgradable to 5 years
- 1-Year limited parts warranty

Heavy Duty Models

| DESCRIPTION | | | | | DIMENSIONS (INCHES) | | | | |
|-------------|--------------|-----------------|----------|--------------|---------------------|--------|-------------------|----------------|------|
| GAL. CAP. | MODEL NUMBER | THERMOSTAT TYPE | INPUT KW | THERMAL EFF. | HEIGHT | WIDTH | WIDTH W/CONT. BOX | SHIP WT. (LB.) | |
| | | | | | | | | STD. | ASME |
| 50 | ES50 | SURFACE | 6-54 | 98% | 43-5/8 | 26-1/4 | 32 | 270 | 320 |
| 85 | ES85 | SURFACE | 6-54 | 98% | 57-11/16 | 28-1/4 | 34 | 350 | 380 |
| 120 | ES120 | SURFACE | 6-54 | 98% | 67-5/8 | 30-1/4 | 36 | 430 | 460 |
| 50 | E50(A) | IMMERSION | 6-54 | 98% | 43-5/8 | 26-1/4 | 32 | 270 | 320 |
| 85 | E85(A) | IMMERSION | 6-54, 81 | 98% | 57-11/16 | 28-1/4 | 34 | 350 | 380 |
| 120 | E120(A) | IMMERSION | 6-54, 81 | 98% | 67-5/8 | 30-1/4 | 36 | 430 | 460 |
| 175 | E175A | IMMERSION | 3-108 | 98% | 69-1/2 | 32-1/4 | 38-1/2 | - | 700 |



Download spec sheet from Rheem.com or ask for form RR102CE-1

