



Exclusive 10 Year Limited Tank Warranty

Lightweight – less than half of conventional products

No Anode Required

System Sentinel™

Inconel Heating Elements

Industry Leading Insulation Factors – means very low operating costs



Available in 85 and 105 Gallon Capacities

▶ 12 KW through 24 KW ▶ 208, 240, 270 and 480 voltages

Rheem-Ruud Eclipse electric commercial water heaters are designed to provide hot water where applications require moderate quantities. These units are suited for a wide variety of applications such as retail stores, small offices or any location where a moderate amount of hot water is required.

Construction Features:

- Composite tank and high density polyethylene dent and scratch resistant jacket.
- Models are in two sizes with capacity of 85 or 105 gallons in 42 total variations.
- Input options are: 12.4, 18 or 24 kW.
- Voltage options are: 208, 240, or 480 VAC in either single phase or 3-phase and 277 VAC in single phase only.
- Element wattages are 3100, 4500 or 6000 in each of the four voltages. The elements are low watt density design (46, 67, 90 watts/sq. in.) with stainless (Inconel) sheath.
- The four Inconel elements are spaced on the front along a vertical line for easy access.
- The power control circuits use 2 surface mounted thermostats and operate in two stages so that a lower control thermostat is for the lower two elements and an upper control is for the upper two elements. The lower element will provide recovery for all needs and the upper two will kick in additionally for larger demands.
- 170° F maximum delivered temperature.
- System Sentinel LED indicators are provided for each element to show power on.
- A switch is provided in the control circuit for installation dry fire protection. See label.
- A temperature and pressure relief valve is installed on top of the unit.
- Water connections at the top of the tank are 1" swivel nuts. A nipple is installed on the outlet (1" x 3" long). The inlet has a vacuum valve connected with a 1 x 1 x 3/4 tee and a 1" close nipple to the swivel.
- 3/4" full flow drain valve.
- Standards approved to UL 1453 and UL/NSF 005.

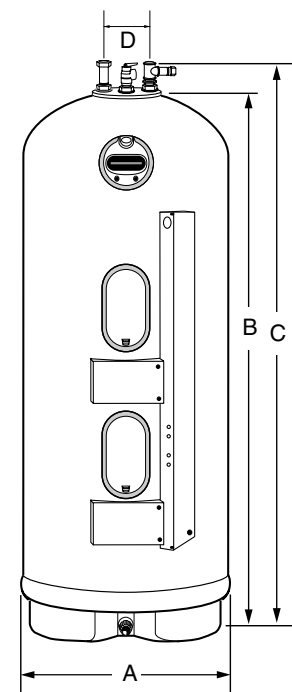
Certifications and Ratings:

- **Efficiency** – These models have been tested according to DOE test procedures, and exceed the minimum energy factor requirements of ASHRAE Standard 90.1b-2001 (Part of the Federally mandated Energy Policy Act (EPAct)). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).
- **Safety and Construction** – These products are design certified by Underwriters Laboratories (UL) to meet UL standard 1453 as electric storage tank water heaters. All models are North Carolina and Massachusetts Code compliant. Certified for a 150 PSI Maximum Working Pressure.

Recovery Capacities Recovery at various temperature rises											
INPUT KW	EQUIVALENT BTU/HR	UNITS	TEMPERATURE RISE								
			40°F (22°C)	50°F (28°C)	60°F (33°C)	70°F (39°C)	80°F (45°C)	90°F (50°C)	100°F (56°C)	110°F (61°C)	120°F (67°C)
12.4	42,309	GPH	126	100	84	72	63	55	50	45	42
		LPH	478	379	318	273	239	209	190	171	159
18	61,420	GPH	186	149	124	106	93	83	74	68	62
		LPH	705	565	470	402	352	315	280	258	235
24	81,893	GPH	248	199	165	142	124	110	99	90	83
		LPH	940	754	625	538	470	417	375	341	315

Electrical Characteristics												
INPUT KW	NUMBER OF ELEMENTS	ELEMENT WATTAGE	NUMBER OF FUSES	NUMBER OF THERMOSTATS	FULL LOAD CURRENT – IN AMPERES							
					208V		240V		277V		480V	
					PHASE 1	PHASE 3	PHASE 1	PHASE 3	PHASE 1	PHASE 3	PHASE 1	PHASE 3
12.4	4	3100	8	2	60	39	52	34	45	26	17	
18	4	4500	8	2	87	57	75	50	65	38	25	
24	4	6000	8	2	115	76	100	66	87	50	35	

Dimensional Information All dimensions shown in English and Metric						
MODEL NUMBER	UNITS	A	B	C	D	APPROX. SHIP. WEIGHT
ME85	inches	28-1/4	66-1/4	70-1/4	4-1/2	170 lbs.
	mm	718	1683	1784	114	77 kgs.
ME105	inches	30-1/4	66-1/2	70-3/4	4-1/2	185 lbs.
	mm	768	1689	1797	114	84 kgs.



Recommended Specifications:

Water heater(s) shall be model _____, manufactured by RHEEM-RUUD, having electrical input of _____ kW and a recovery rate of _____ GPH at a 100°F temperature rise. Water heater(s) shall have a storage capacity of _____ gallons. Water heater(s) shall have the UL seal of certification and be factory equipped with an AGA/ASME rated temperature and pressure relief valve. Water heater(s) shall meet or exceed the energy factor requirements of ASHRAE Standard 90.1b-2001. Tanks shall have a working pressure rating of 150 psi, and shall be completely assembled. Tanks shall be insulated with 2-1/2" of rigid polyurethane foam insulation. Water heater(s) shall be equipped with surface mounted thermostats. Water heater(s) shall be covered by a ten year limited warranty against tank leaks.

Limited Warranty

This product features a ten year limited warranty against tank leaks. Please refer to Commercial Warranty Information brochure for complete warranty information.



In keeping with its policy of continuous progress and product improvement, Rheem-Ruud reserves the right to make changes without notice.

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