

Eclipse

Heavy-duty electric water heater

With its exclusive 10-year limited tank warranty and many other features, the Rheem-Ruud Eclipse completely overshadows the competition.

Longer Life

The new Eclipse carries an unprecedented 10-year limited tank warranty – more than three times the standard commercial warranty. That means big savings for end users.

Lighter Weight

Who says heavy duty has to be heavy weight? The new 85-gallon Eclipse checks in at 170 lbs. The 105-gallon only 185 lbs., less than half the weight of competitive models in its class. That makes the Eclipse easier to move, easier to handle and easier to install.

More Efficient

The new Eclipse uses extra foam insulation from top to bottom to reduce heat loss. Both innovations save energy and lower operating costs – better than any other heavy duty commercial electric.

Pete Colletti, regional facilities manager for Boddie-Noell Enterprises, shown with the Rheem-Ruud Eclipse Commercial Electric Water Heater at the Hardee's restaurant at Azalea Plaza in Wilmington, North Carolina.



Eclipse Construction Features

- Composite tank and high density polyethylene dent and scratch resistant jacket.
- No anode rod required.
- 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. The lower control thermostat is for the lower two elements and the upper control is for the upper two elements. The lower element will provide recovery for all needs and the upper two 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.
- 3/4" full port, full flow brass drain valve.
- Standards approved to UL 1453 and UL/NSF 005.

Eclipse Specifications

RECOVERY CAPACITIES

Recovery at various temperature rises

MODEL NUMBER	INPUT KW	EQUIVALENT BTU/HR	UNITS	TEMPERATURE RISE								
				40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F
ME85-12	12.4	42,309	GPH	126	100	84	72	63	55	50	45	42
ME85-18	18	61,420	GPH	186	149	124	106	93	83	74	68	62
ME85-24	24	81,893	GPH	248	199	165	142	124	110	99	90	83
ME105-12	12.4	42,309	GPH	126	100	84	72	63	55	50	45	42
ME105-18	18	61,420	GPH	186	149	124	106	93	83	74	68	62
ME105-24	24	81,893	GPH	248	199	165	142	124	110	99	90	83

ELECTRICAL CHARACTERISTICS

MODEL NUMBER	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 1	PHASE 3	
ME85-12	12.4	4	3100	8	2	60	39	52	34	45	26	17	
ME85-18	18	4	4500	8	2	87	57	75	50	65	38	25	
ME85-24	24	4	6000	8	2	115	76	100	66	87	50	33	
ME105-12	12.4	4	3100	8	2	60	39	52	34	45	26	17	
ME105-18	18	4	4500	8	2	87	57	75	50	65	38	25	
ME105-24	24	4	6000	8	2	115	76	100	66	87	50	33	

DIMENSIONAL INFORMATION

All dimensions shown in inches

MODEL NUMBER	INPUT KW	CAPACITY GALLONS	MAX. DELIVERED TEMPERATURE	WATER HEATER HEIGHT	WATER HEATER DIAMETER	HEIGHT TO WATER CONNECTION	APPROX. SHIPPING WEIGHT (LBS.)
ME85-12	12.4	85	170°	66-1/4	28-1/4	70-1/4	170
ME85-18	18	85	170°	66-1/4	28-1/4	70-1/4	170
ME85-24	24	85	170°	66-1/4	28-1/4	70-1/4	170
ME105-12	12.4	105	170°	66-1/2	30-1/4	70-3/4	185
ME105-18	18	105	170°	66-1/2	30-1/4	70-3/4	185
ME105-24	24	105	170°	66-1/2	30-1/4	70-3/4	185

Commercial water heaters
from Rheem-Ruud



Rheem-Ruud Eclipse

LIMITED WARRANTY

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

CERTIFICATIONS AND RATINGS

EFFICIENCY

These models have been tested according to DOE test procedures, and exceed the minimum energy factor requirements of current ASHRAE Standards (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.



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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