



The new degree of comfort.®

L[○]NGER LIFE

LIGHT WEIGHT



EXCLUSIVE
10-YEAR
LIMITED TANK
WARRANTY

ECLIPSE: Non-metallic
Electric Commercial Water
Heaters are durable, lightweight,
and offer 98% thermal efficiency

- Non-metallic, lightweight composite tank
- Dent and scratch resistant jacket
- No anode rod
- Four titanium elements

Eclipse Heavy-Duty Electric Water Heaters feature a longer life, lighter weight, and are more durable and energy efficient than any commercial electric water heater ever made

With its exclusive 10-year limited tank warranty and many other features, the Eclipse family of 85 and 105-gallon water heaters offer a wide range of inputs and voltage options. It's non-metallic, durable and lightweight design make it easier to maneuver and position.

Features & Benefits

- Non-metallic, lightweight composite tank – no anode rod required
- High density polyethylene dent and scratch resistant jacket
- System Sentinel LED indicators are provided for each element to show when power is on
- Input options: 12.4, 18 or 24 kW
- Voltage options: 208, 240, or 480 VAC in either single phase or 3-phase (277 VAC in single phase only)
- Element wattages: 3100, 4500 or 6000 in each of the four voltages. The elements are low watt density design (46, 67, 90 watts/sq. in.) with titanium sheath for superior protection
- Power control circuits use two surface mounted thermostats and operate in two stages
 - Lower control is for the lower two elements, which provides recovery for most needs.
 - Upper control is for the upper two elements, which operates during high demands

Efficiency

- 98% Thermal efficiency
- Well insulated for reduced standby heat loss

Performance

- Recovery rate: Up to 99 gallons GPH at a 100 degree rise
- 170° F maximum delivered temperature

Capacity & Weight

- 85 Gallons/140 lbs.
- 105 Gallons/155 lbs. See chart for shipping weight

Easy Installation & Service

- Eclipse's lightweight tank is easier to maneuver and position
- Control circuit switch provided for dry fire protection during installation
- Bowl shaped tank bottom drains completely
- Recessed drain valve is out of the way of brooms and scrubbers

Plus...

- Four titanium elements for resistance to lime build-up
- Full-port, full-flow, brass drain valve for faster draining
- Temperature and pressure relief valve at top of 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

Warranty

- 10-Year limited tank warranty
See Commercial Warranty Certificate for complete information.

Efficiency | These models have been tested according to DOE test procedures, and exceed the minimum energy factor requirements of ASHRAE (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 and UL/NSF 005 as electric storage tank water heaters. All models are North Carolina and Massachusetts Code compliant. **Certified for 150 PSI maximum working pressure.**





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

Longer Life

The 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 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 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.



The new degree of comfort®



Commercial Electric
Eclipse Water Heaters

Eclipse Specifications

RECOVERY CAPACITIES Recovery at various temperature rises

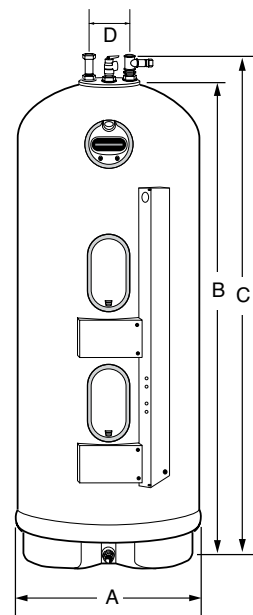
INPUT KW	EQUIVALENT BTU/HR	UNITS	TEMPERATURE RISE								
			40°F (22°C)	50°F (28°C)	60°F (33°C)	70°F (39°C)	80°F (45°C)	90°F (50°C)	100°F (56°C)	110°F (61°C)	120°F (67°C)
12.4	42,309	GPH	126	100	84	72	63	55	50	45	42
		LPH	478	379	318	273	239	209	190	171	159
18	61,420	GPH	186	149	124	106	93	83	74	68	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 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	33

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.



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

Rheem Water Heating • 1115 Northmeadow Parkway, Suite 100
Roswell, Georgia 30076 • 1.800.621.5622

Rheem Canada Ltd./Ltée • 125 Edgeware Road, Unit 1
Brampton, Ontario L6Y 0P5 • 1.800.268.6966



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PRINTED IN U.S.A. 10/19 WP FORM NO. RR-2778 Rev. 10