



The new degree of comfort.®

Water | Commercial Electric
Marathon Heavy-Duty Water Heaters

Marathon® Heavy Duty non-metallic electric water heaters are designed for harsh environments and a warranty to back it up

Non-metallic Tank Features

- Seamless, blow-molded, polybutene tank – impervious to rust and corrosion
- Multiple layers of filament wound fiberglass give the tank unmatched strength
- Polyurethane insulation helps reduce energy consumption
- Recessed drain valve is out of the way of brooms and scrubbers
- High temperature PEX dip tube
- Tough molded polyethylene outer shell resists dents, scratches, and salt air

Efficiency

- Well insulated for reduced standby heat loss
- Pipe wrap energy saving kit included to achieve maximum energy savings

Performance

- Recovery Capacity: 18.2 gallons per hour (delivers approximately 78 gallons of hot water in the first hour for 75-gallon models, 91 gallons for 85-gallon models and 104 gallons for 105-gallon models)**
- Delivering water temperature at or above 181°F

Easy Installation & Service

- Marathon's lightweight tank is easier to maneuver and position
- Bowl shaped tank bottom allows complete sediment draining
- Water tight grommets keep out overhead moisture and condensation

Plus...

- Thermally fused upper element provides protection against dry firing
- Titanium upper and lower elements for superior resistance to lime build-up
- Full-flow, brass drain valve
- Temperature and pressure relief valve and factory installed vacuum relief valve
- Low lead compliant
- Standard replacement parts

Warranty

- Lifetime limited tank warranty, 6-year limited parts warranty*

*Warranty is provided to original customer in a commercial application after online product registration is complete. Registration must be completed within 90 days of installation. See Warranty Certificate for complete information

Efficiency | All models tested according to ANSI test procedures and meet or exceed the thermal efficiency and standby loss requirements of current ASHRAE standards (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 safety standards 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.



Marathon Heavy Duty
75, 85 and 105-Gallon Capacities
240 Volt AC/Single Phase
Electric



INTEGRATED HOME COMFORT

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Marathon Heavy Duty Specifications

DESCRIPTION			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)					EFFICIENCY	
TYPE	GALLON CAPACITY	MODEL NUMBER	TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	WATER CONNECTIONS SIZE	APPROX. SHIP WT. (LBS.)	THERMAL EFFICIENCY	STANDBY LOSS
Tall	75	MHD75245 [†]	58-5/8	62-5/8	28-1/4	3/4	122	98%	0.68
Tall	85	MHD85245 [†]	66-1/4	70-1/4	28-1/4	3/4	134	98%	0.62
Tall	105	MHD105245 [†]	66-3/4	70-3/4	30-1/4	1 Outlet / 3/4 Inlet	152	98%	0.57

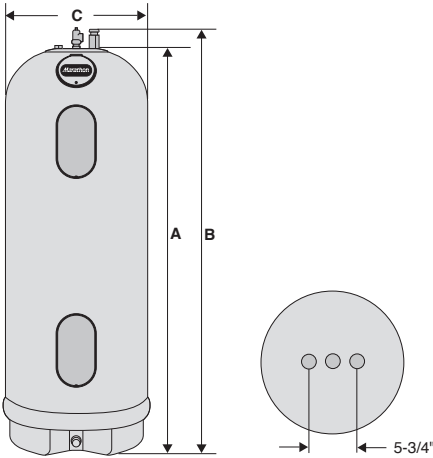
[†] Available with element wattage of 3000 (85-gallon only), 3800 or 4500.
• Water heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring.
• Maximum test pressure: 300 PSI; Maximum working pressure: 150 PSI

FEATURES				
ELEMENT WATTAGE	RECOVERY IN G.P.H. 100° F RISE**	FIRST HOUR DELIVERY		
		75 GAL	85 GAL	105 GAL
3000	12	—	80	—
3800	16	76	84	100
4500	18	78	86	102

**Recovery Capacity is based upon a 100° F water temperature rise and calculated per ANSI Z21.10.3 standards. First hour hot water delivery is based upon 77° water temperature rise.

Branch Circuit Sizing and Wire Size Guide

TOTAL WATER HEATER WATTAGE	RECOMMENDED OVER CURRENT PROTECTION COPPER (FUSE OR CIRCUIT BREAKER AMPERAGE RATING)	WIRE SIZE AWG BASED ON N.E.C. TABLE 310-16 (75°C)
	240V	240V
3,000	20	12
3,800	20	12
4,500	25	10



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

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