



Ruud Marathon® non-metallic electric water heaters are durable, lightweight, and warranted not to leak as long as you own your home*

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 brass drain valve is out of the way of brooms and scrubbers
- Durable PEX dip tube
- Tough molded polyethylene outer shell resists dents, scratches, and salt air

Efficiency

- .88 - .92 UEF
- Well insulated for reduced standby heat loss
- Pipe wrap energy saving kit included to achieve maximum energy savings

Performance

- FHR: 37 - 83 gallons, depending on model
- Recovery: up to 21 GPH at a 90° F rise

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 lower element for superior resistance to lime build-up
- Brass drain valve
- Temperature and pressure relief valve
- Low Lead compliant
- Standard replacement parts

Warranty

- Lifetime limited warranty on tank and 6-years on parts*

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

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



Ruud Marathon
30, 40 50, 85 and
100-Gallon Capacities
240 Volt AC/Single Phase
Electric



LEED Point = 1

See specifications chart on back.



Marathon® Specifications

TYPE	DESCRIPTION			FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)				ENERGY INFO.
	NOMINAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	FIRST HOUR RATING (GALLONS)	RECOVERY IN G.P.H. 90° F RISE	TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	APPROX. SHIP WT. (LBS.)	UNIFORM ENERGY FACTOR (UEF)
Tall	30	28	MR30238 C-RU†	37	17	49	49-1/2	21-5/8	75	0.88
Tall	30	28	MR30245 C-RU†	38	21	49	49-1/2	21-5/8	75	0.88
Tall	40	38	MR40245 C-RU†	51	21	61-1/2	65-1/2	21-3/4	90	0.92
Tall	50	50	MR50245 C-RU†	57	21	62-3/4	66-3/4	23-1/2	100	0.91
Short	50	48	MSR50245 C-RU†	41	21	43-1/4	47-1/4	28-1/4	95	0.90
GRID ENABLED MODELS										
Tall	85	84	MRG85238-RU*	77	21	66-1/4	70-1/4	28-1/4	134	0.92
Tall	85	84	MRG85245-RU*	77	21	66-1/4	70-1/4	28-1/4	134	0.92
Tall	100	101	MRG105238-RU*	83	21	66-3/4	70-3/4	30-1/4	152	0.90
Tall	100	101	MRG105245-RU*	83	21	66-3/4	70-3/4	30-1/4	152	0.90

Uniform Energy Factor and rated gallon capacity based on Department of Energy (DOE) requirements.

*This water heater is intended only for use as part of an electric thermal storage or demand response program. This water heater will not provide adequate hot water unless enrolled in such a program and is activated by your utility company or another program operator. Please confirm the availability of such a program in your local area before purchasing or installing this product.

Water heaters furnished with standard 240 or 120 volt AC, single phase non-simultaneous wiring. If heating elements of different wattages than those shown are demanded, they must be specifically requested. For height to top of T&P and heat traps add 3-1/2" to the height to water connection.

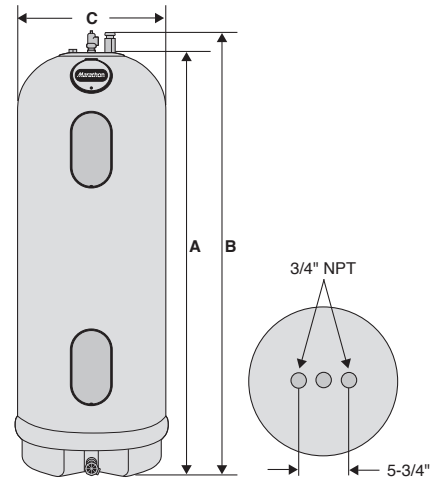
Maximum test pressure: 300 PSI. Maximum working pressure: 150 PSI.

**Recovery calculations used are based on 4500 watt elements used in non-simultaneous operation.

**Recovery = $\frac{\text{wattage}}{2.42 \times \text{temp. rise } ^\circ\text{F}}$ Example: $\frac{4500\text{W}}{2.42 \times 90^\circ} = 21 \text{ GPH}$
--



LEED Point = 1



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