engineered for life™

Rheem® Professional *Classic*® RTEX Tankless Electric Water Heaters

Provide Endless Hot Water in a Durable, Space-Saving Design

RTEX - 18, RTEX - 24, RTEX - 27, RTEX - 36 tankless electric water heaters are ideal for new construction builds and all applications in the home including point-of-use installation. The durable, compact design allows installation in tight spaces. In warmer climates, these models provide enough hot water to run multiple fixtures simultaneously. To select a unit that meets electrical and hot water gallons per minute (GPM) requirements, please use the sizing guide.



RTEX - 18



RTEX - 24



RTEX - 27



RTEX - 36

Features

- Saves Space – up to 93% smaller than a standard electric water heater
- Saves Energy – zero standby heat loss when installed near the point-of-use
- More Hot Water – up to 4 times the hot water delivery of a standard electric tank (per hour)
- High Efficiency – UEF up to .94 and advanced self-modulating technology only consumes the power needed to satisfy hot water demand
- Copper immersion heating elements fit into a multi-chamber design to improve the thermal performance providing better temperature control and faster recovery of hot water
- Copper heat exchanger transfers heat fast and resists corrosion
- Durable powder-coated shell with a galvanized steel backplate
- Brass NPT fittings located on the bottom for the inlet and outlet water connections provide strength and durability
- Designed to be mounted in an upright position with the inlet and outlet water connections at the bottom of the unit for ease of installation
- Venting is not required to operate, simplifying the installation process compared to a gas tankless water heater
- Digital thermostatic temperature controls in 1-degree increments ranging from 80°F - 140°F (26°C - 60°C)

Warranty

- Limited Warranty – 5 Years - Leaks, 1 Year - Parts

See Use and Care Manual for complete information.

RTEX Tankless Electric Water Heaters

Whole Home

ALDI CERTIFIED

Intertek

LOW LEAD CONTENT

Tankless Electric Specifications and Minimum Requirements

DESCRIPTION	FEATURES								DIMENSIONS (SHOWN IN INCHES)								
MODEL NUMBER	POWER (kW)	VOLTAGE	TOTAL UNIT AMPERAGE (AMPS)	RECOM'D BREAKER SIZE	HOUSEHOLD ELECTRICAL SERVICE PANEL RECOM'D	PHASE	UNIFORM ENERGY FACTOR (UEF)	REQUIRED WIRE (75°C INSULATION)	HEIGHT	WIDTH	DEPTH	WATER CONN.	# OF HEATING CHAMBERS	SHIP WEIGHT (LBS.)	HEAT EXCHANGER	OPERATING PRESSURE	FLOW ACTIVATION RATE (GPM)
RTEX - 18	18	240	75	2 x 40 A Double Pole	150 AMPS	1	0.94	2 x 8 AWG*	17	14	3.635	3/4" NPT	2	14.78	Copper	Min: 25 PSI Max: 150 PSI	0.3 GPM
RTEX - 24	24	240	100	3 x 40 A Double Pole	200 AMPS	1	0.93	3 x 8 AWG*	17	17	3.625	3/4" NPT	3	17.8	Copper	Min: 25 PSI Max: 150 PSI	0.3 GPM
RTEX - 27	27	240	113	3 x 40 A Double Pole	200 AMPS	1	0.93	3 x 8 AWG*	17	17	3.625	3/4" NPT	3	17.8	Copper	Min: 25 PSI Max: 150 PSI	0.3 GPM
RTEX - 36	36	240	150	4 x 40 A Double Pole	300 AMPS	1	0.94	4 x 8 AWG*	17	21	3.625	3/4" NPT	4	22.7	Copper	Min: 25 PSI Max: 150 PSI	0.3 GPM

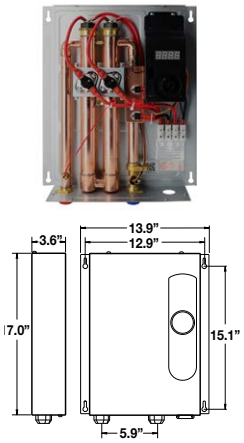
NOTE: When converting from an electric tank to an electric tankless water heater, household electric service panel upgrades are often required. Please see the electric service panel recommendations above.

*AWG - American Wire Gauge

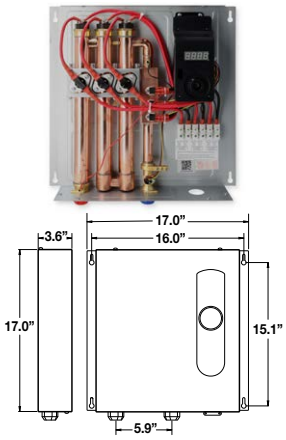
See dimensions and sizing on back.

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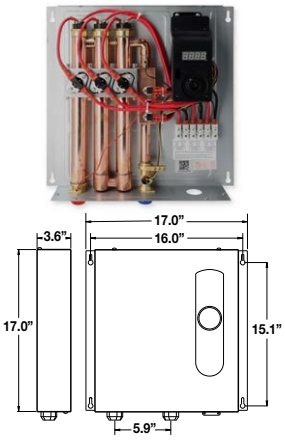
RTEX - 18



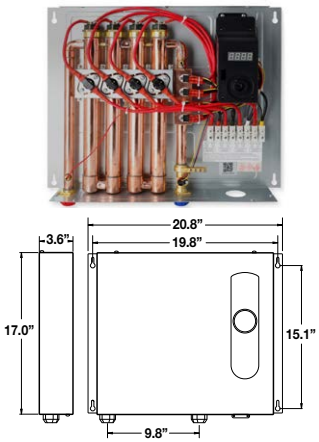
RTEX - 24



RTEX - 27



RTEX - 36



SIZING A TANKLESS ELECTRIC WATER HEATER

IMPORTANT – Verify that your home meets the electrical requirements. See specifications and minimum requirements. (front side)

1 Estimate your total household gallons per minute (GPM) needs by adding up the average flow rates by fixture (showers, faucets, dishwasher, washing machine) **that run at the same time**.

Ex. 1 shower and 1 kitchen faucet running at the same time adds up to 3.5 GPM (2 + 1.5 = 3.5 GPM)

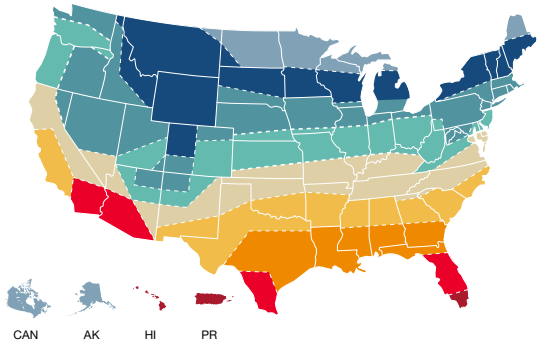
Average Flow Rates (GPM) by Fixture

Low Flow Faucet	0.5
Bathroom Faucet	1
Kitchen Faucet	1.5
Shower	2
Dishwasher	2
Washing Machine	3

Flow rates may vary.

2 Locate your zone on the map.

U.S. Average Ground Water Temperature Zone Map



3 Select the model that can supply you with the estimated total household gallons per minute (Step 1) with the ground water temperature in your zone.

Flow Rate Capacity Table by Zone (Gallons Per Minute - GPM)

Model #	Zone 1 37°F/ 3°C	Zone 2 42°F/ 5°C	Zone 3 47°F/ 8°C	Zone 4 52°F/ 11°C	Zone 5 57°F/ 14°C	Zone 6 62°F/ 17°C	Zone 7 67°F/ 20°C	Zone 8 72°F/ 22°C	Zone 9 77°F/ 28°C
RTEX - 18	1.8	2.0	2.1	2.3	2.6	2.9	3.2	3.7	4.4
RTEX - 24	2.4	2.6	2.8	3.1	3.4	3.8	4.3	5.0	5.9
RTEX - 27	2.7	2.9	3.2	3.5	3.8	4.3	4.9	5.6	6.6
RTEX - 36	3.6	3.9	4.2	4.6	5.1	5.7	6.5	7.5	8.8

Flow rates are calculated to a set point of 105°F. Ground water temperature varies seasonally.

OPTIONAL – Flow Regulator Sizing Table by Zone (Gallons Per Minute – GPM)
The flow regulator fitting threads onto the outlet water connection and limits the outlet flow to the GPM specified in the table. Select the appropriate GPM insert for your model based on your zone. This is an optional part to ensure accurate temperature output.

Model #	kW	Connection Size	Part #	Zone 1 37°F/ 3°C	Zone 2/3 42-47°F/ 5-8°C	Zone 4/5 52-57°F/ 11-14°C	Zone 6/7 62-67°F/ 17-20°C	Zone 8/9 72-77°F/ 22-28°C
RTEX - 18	18	¾” NPT	IFR 3-4	–	2.0	2.0	2.0	3.0
RTEX - 24	24	¾” NPT	IFR 3-4	2.0	2.0	3.0	3.0	4.0
RTEX - 27	27	¾” NPT	IFR 3-4	2.0	2.0	3.0	4.0	5.0
RTEX - 36	36	¾” NPT	IFR 3-4	3.0	4.0	4.0	5.0	–

NOTE: (–) indicates flow regulator insert is not recommended in this zone.

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