

PERFORMANCE®



The new degree of comfort.®

PERFORMANCE® tankless electric water heaters offer continuous hot water

Performance Features

- On demand, consistent and continuous hot water
- Compact and stylish with digital temperature control in increments of 1° ranging from 80°F to 140°F*
- Robust copper immersion heating elements with brass top increases durability and are threaded for easy replacement
- Simple Installation
- Digital temperature display
- External controls to adjust temperature in increments of 1°*

Average GPM Usage by Application

| | |
|-------------------------|--------------|
| Standard Hand Sink | 0.5 GPM |
| Washing Machine | 1 to 1.5 GPM |
| Water-Saver Shower Head | 1.5 GPM |
| Dishwasher | 1 to 2 GPM |
| Kitchen Sink | 1 to 2 GPM |
| Standard Shower Head | 2.0 GPM |
| Bath Tub | ≥ 4 GPM |
| Whole-Home | Up to 6 GPM |

Average Gallons Per Minute (GPM) based on 2010 Plumbing Standards

Warranty

- 5-Year heating chamber and 1-year parts limited warranty
- See written warranty for complete details

*RETEX-04 and RETEX-06 only show output temperature and are non-thermostatically controlled

| MODEL NUMBER | TEMPERATURE RISE °F | | | | | | | | |
|------------------------------|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 0.5 GPM | 1.0 GPM | 1.5 GPM | 2.0 GPM | 2.5 GPM | 3.0 GPM | 4.0 GPM | 5.0 GPM | 6.0 GPM |
| SINGLE POINT-OF-USE | | | | | | | | | |
| RETEX-04 | 48° | 24° | 16° | 12° | - | - | - | - | - |
| RETEX-06 | 75° | 37° | 25° | 19° | - | - | - | - | - |
| MULTIPLE APPLICATIONS | | | | | | | | | |
| RETEX-08 | + | 55° | 36° | 27° | 22° | 18° | 14° | - | - |
| RETEX-11 | + | 75° | 50° | 38° | 30° | 25° | 19° | - | - |
| RETEX-13 | + | 89° | 59° | 44° | 36° | 30° | 22° | - | - |
| RETEX-18 | + | + | 82° | 62° | 49° | 41° | 31° | 25° | - |
| RETEX-24 | + | + | 109° | 82° | 66° | 55° | 41° | 33° | 27° |
| RETEX-27 | + | + | + | 92° | 74° | 62° | 46° | 37° | 31° |
| RETEX-36 | + | + | + | + | 98° | 82° | 62° | 49° | 41° |

+ Temperature electronically limited setting on adjustable thermostat on front cover

POINT-OF-USE

For 0.5 GPM to 2.0 GPM Applications



RETEX-04, RETEX-06

MULTIPLE APPLICATIONS

For 0.5 GPM to 6.0 GPM Applications



RETEX-08, RETEX-11, RETEX-13

RETEX-18



RETEX-24, RETEX-27

RETEX-36



Tested and certified by the Water Quality Association against NSF/ANSI 372 for lead free compliance.

See specifications chart on next page.



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PERFORMANCE[®] tankless electric water heaters



RETEX-04, RETEX-06

Unique Features:

- External Digital Display – shows outlet temperature
- Durable Copper Immersion single heating element, field serviceable
- Simple Installation – Bottom 1/2" NPT water connections



**RETEX-08, RETEX-11
RETEX-13**

Unique Features:

- External Adjustable Digital Thermostatic Control with LED display (+/- 1 degree accuracy)
- Durable Copper Immersion two heating elements, field serviceable
- Simple Installation – Side 1/2" compression water connections with 1/2" NPT adapters included



RETEX-18

Unique Features:

- External Digital Thermostatic Control with LED display (+/- 1 degree accuracy)
- Most advanced self-modulation, adjust power to meet hot water demand
- Durable Copper Immersion two heating elements, field serviceable
- Simple Installation – Bottom 3/4" NPT water connections



RETEX-24, RETEX-27

Unique Features:

- External Digital Thermostatic Control with LED display (+/- 1 degree accuracy)
- Most advanced self-modulation, adjust power to meet hot water demand
- Durable Copper Immersion three heating elements, field serviceable
- Simple Installation – Bottom 3/4" NPT water connections



RETEX-36

Unique Features:

- External Digital Thermostatic Control with LED display (+/- 1 degree accuracy)
- Most advanced self-modulation, adjust power to meet hot water demand
- Durable Copper Immersion four heating elements, field serviceable
- Simple Installation – Bottom 3/4" NPT water connections

PERFORMANCE[®] Tankless Electric Specifications

| DESCRIPTION | FEATURES | | | | | | | ROUGHING IN DIMENSIONS (SHOWN IN INCHES) | | | | | |
|---------------------------------|--------------|------|---------|--------------------------|---------|----------------------------|-----------------|--|--------|-------|---------|-------------|--------------------|
| | MODEL NUMBER | kW | AMPS | RECOMMENDED BREAKER SIZE | VOLTAGE | RECOMMENDED WIRE SIZE (CU) | MIN. FLOW (GPM) | MAX. FLOW (GPM) | HEIGHT | WIDTH | DEPTH | WATER CONN. | SHIP WEIGHT (LBS.) |
| 120V 1 HEATING CHAMBER | | | | | | | | | | | | | |
| RETEX-04 | 3.5 | 29A | (1x30)A | 120 | 10 AWG | 0.3 | 4.8 | 5-7/8 | 10-7/8 | 2-3/4 | 1/2 NPT | 4.5 | |
| 240V* 1 HEATING CHAMBER | | | | | | | | | | | | | |
| RETEX-06 | 6.0 | 29A | (1x30)A | 220 | 10 AWG | 0.3 | 4.8 | 5-7/8 | 10-7/8 | 2-3/4 | 1/2 NPT | 4.5 | |
| RETEX-08 | 7.3 | 33A | (1x40)A | 240 | 8 AWG | 0.3 | 4.8 | 12-5/8 | 8-1/4 | 3-5/8 | 1/2 CF | 7 | |
| RETEX-11 | 11.8 | 46A | (1x50)A | 240 | 6 AWG | 0.3 | 4.8 | 12-5/8 | 8-1/4 | 3-5/8 | 1/2 CF | 8.5 | |
| RETEX-13 | 13.0 | 54A | (1x60)A | 240 | 6 AWG | 0.3 | 4.8 | 12-5/8 | 8-1/4 | 3-5/8 | 1/2 CF | 8.5 | |
| 240V* 2 HEATING CHAMBERS | | | | | | | | | | | | | |
| RETEX-18 | 18.0 | 75A | (2x40)A | 240 | 8 AWG | 0.3 | 7.0 | 18-1/4 | 14-1/2 | 3-1/2 | 3/4 NPT | 14.78 | |
| 240V* 3 HEATING CHAMBERS | | | | | | | | | | | | | |
| RETEX-24 | 24.0 | 100A | (3x40)A | 240 | 8 AWG | 0.3 | 7.0 | 18-1/4 | 17-5/8 | 3-1/2 | 3/4 NPT | 17.8 | |
| RETEX-27 | 27.0 | 113A | (3x40)A | 240 | 8 AWG | 0.3 | 7.0 | 18-1/4 | 17-5/8 | 3-1/2 | 3/4 NPT | 17.8 | |
| 240V* 4 HEATING CHAMBERS | | | | | | | | | | | | | |
| RETEX-36 | 36.0 | 150A | (4x40)A | 240 | 8 AWG | 0.3 | 8.0 | 18-1/4 | 21-5/8 | 3-1/2 | 3/4 NPT | 22.7 | |

* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.



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PERFORMANCE™ tankless electric water heaters

| | | |
|--|----------------------------|-------------------------------|
| Product Specifications (all models) | Rated Pressure | 25 PSI min., 150 PSI max. |
| | Certifications | ETL Listed to UL 499 and CSA |
| | Std. Temp. Settings | 120°F (Adjustable 80°F-140°F) |
| | Temp. Accuracy | +/-1° at steady state flow |
| | Turn-On | 0.3 GPM |

Suggested Specifications

Unit shall have copper clad immersion heating element(s) with brass terminations for increased durability. External temperature control and display adjustable in 1° increments with a range of 80°-140°F. Display shall be capable of displaying setpoint temperature in Celsius or Fahrenheit temperature scales. Unit shall utilize a flow meter with a 0.3 gpm activation point and manage power based on actual flow rate and inlet temperature. Values should be processed 60 times per second. Unit shall be WQA certified lead free, certified to UL499 and CSA C22.2 No.64.

Optional Inline Flow Regulator

- Enhanced outlet temperature control
- Install on the outlet side of the heater
- Limit maximum volume to the specified flow rate to ensure exiting temperature is within an acceptable range
- Flow Regulators for 1/2" and 3/4" NPT plumbing connections
- Flow range: 1 to 5 gallons per minute

| RHEEM PART NUMBER | GPM RATING OF INSERTS PROVIDED | CONNECTION SIZE |
|-------------------|--------------------------------|-----------------|
| RTE10001A | 1.0, 1.5, 2.0 | 1/2" NPT |
| RTE10001B | 2.0, 3.0, 4.0, 5.0 | 3/4" NPT |

Suggested Sizing Guide

| MODEL NUMBER | FLOW REGULATOR PART NO. | GPM INSERT TO USE BASED ON INLET WATER TEMPERATURE | | | |
|--------------|-------------------------|--|------|------|------|
| | | 40°F | 50°F | 60°F | 70°F |
| RETEX-04 | N/A | N/A | N/A | N/A | N/A |
| RETEX-06 | N/A | N/A | N/A | N/A | N/A |
| RETEX-08 | RTE10001A | 1.0 | 1.0 | 1.0 | 1.5 |
| RETEX-11 | RTE10001A | 1.0 | 1.0 | 1.5 | 2.0 |
| RETEX-13 | RTE10001A | 1.0 | 1.0 | 1.5 | 2.0 |
| RETEX-18 | RTE10001B | 2.0 | 2.0 | 2.0 | 3.0 |
| RETEX-24 | RTE10001B | 2.0 | 2.0 | 3.0 | 4.0 |
| RETEX-27 | RTE10001B | 2.0 | 3.0 | 4.0 | 5.0 |
| RETEX-36 | RTE10001B | 3.0 | 4.0 | 5.0 | 5.0 |

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