Rheem® IKONIC™ Super High Efficiency Condensing Tankless Water Heater with Recirculation

These products meet a stringent set of our company’s internally defined sustainability standards.

Rheem.com/Ikonic
DELIVERING MORE OF WHAT YOU WANT

Now, it’s easier than ever to give homeowners an advanced, continuous hot water solution with the new Rheem® IKONIC™ Super High Efficiency Condensing Tankless Water Heaters. They’re intelligently designed for compatibility with many applications, offer uncomplicated installations and service, and are backed by unmatched support.

EASY TO INSTALL. EASY TO SERVICE. EASY TO SELL.

Faster Servicing
Disassemble with a single Phillips screwdriver for faster servicing

Maintenance Notice Setting
Get service reminders to maintain optimal performance—customizable alert is based on water quality and maintenance frequency (set at 500, 750 or 1,000 hours)

Reduced Callbacks
Integrated full text display means no more DIP switches to adjust and confidence that the unit is up and running before you leave

EASY TO SELL.

ONE UNIT FOR INDOOR OR OUTDOOR INSTALLATION* *Outdoor kit required

COMPACT, SPACE-SAVING DESIGN

CONTINUOUS HOT WATER (Built-in Recirculation Pump -SR-Series only)

INTEGRATED FULL-TEXT DIGITAL CONTROLS (With EcoNet® capability built-in on SR-Series)

LONG PVC VENT RUNS AND FLEX VENT CAPABILITY (Up to 50')

BEST-IN-CLASS ENERGY EFFICIENCY®

ONE UNIT FOR BOTH NATURAL GAS AND LP APPLICATIONS (Gas conversion kit included)

RELIABLE TEMPERATURE CONTROL (Can be adjusted for any household use)

HOW A RHEEM® IKONIC™ CONDENSING TANKLESS GAS WATER HEATER WORKS

Combustion gases are used to heat the water in the secondary heat exchanger before exiting the water heater.

Because so much heat is pulled from the combustion gases, condensation occurs. Acidic condensate exits the unit and should pass through a condensate neutralizer (sold separately) so it can be safely sent down the drain.

The recirculation pump operates on either timer settings, custom schedule or on-demand. A dedicated return line or crossover valve can be used to complete the circuit.

A hot water faucet is opened, which starts the water flow.

OR

The built-in recirculation pump (SR-Series) cycles water through the water heater.

Cold water entering the unit passes through the flow sensor, which activates the ignitor (.4 GPM). The water then flows into the secondary heat exchanger, followed by the primary.

The ignitor in the unit sparks before gas is introduced.

The gas valve opens and sends gas to the burners to heat the water.

Heat from the flame is transferred to the water in the primary heat exchanger. Any remaining heat is transferred to water in the secondary heat exchanger.

Hot water exits the water heater and travels to the open faucet. Once the faucet is closed, the flow sensor stops detecting the flow and the water heater goes to a ready state. Our exclusive Hot Start Programming™ feature will minimize cold water bursts if the faucet is opened again within 5 minutes.

Built-in Recirculation Pump (SR-Series)
Helps save up to 12,000 gallons of water from being wasted down the drain annually

that’s over $1,000 in water costs over 15 years²
Super High Efficiency
Best-in-class 0.96 UEF

High-Altitude Compliant
Up to 10,200 feet

Exclusive Hot Start Programming™
No need for a buffer tank! Eliminates cold water bursts for continuous hot water even in stop and start situations.

More Reliable Temperatures
Best-in-Class Turn Down Ratio (TDR) means Rheem® IKONIC™ can achieve tighter control over temperature output even during lower demand.

Extra Durability
Dual stainless steel condensing heat exchanger with down-fire pre-mix burner is designed to last and backed by the industry’s most comprehensive 15-year warranty.

Enhanced Safety
Exclusive Overheat Film Wrap feature is designed to shut down the system in the event that the heat exchanger overheats.

Saves Money & Energy
Best-in-class energy efficiency leads to big energy cost savings

Up to 36% in energy costs per year

ENERGY EFFICIENT.
ENVIRONMENTALLY FRIENDLY.

Shower, do the dishes, and wash the laundry—all while improving air quality by reducing greenhouse gas NOx emissions up to 85% for a cleaner environment.

Uses up to 36% less energy than a 50-gallon tank to help minimize your impact on the environment.

NOT JUST BETTER,
SMARTER.

Built-in EcoNet® Wi-Fi (SR-Series) lets homeowners optimize Rheem® IKONIC™ from their smart phone. Control temperature and recirculation modes and receive important information alerts like:
• Mobile alerts for notifications / maintenance reminders
• Energy and water usage reports

These products meet a stringent set of our company’s internally defined sustainability standards.
Install Where You Need To
Rheem® IKONIC™ provides maximum install flexibility with its compact size and industry-best 1/2” side to side clearance.

Use In More Regions
Rheem® IKONIC™ is ready for more climates and landscapes with high altitude compatibility.

Tank to Tankless Upgrades Made Easy
Longer vent runs, ability to use room air, ability to flex vent in existing B-vent and ability to run on a 1/2” gas line allow for a cleaner, faster and easier installation.

Common Vent
Can common vent two tankless units for fewer wall penetrations making it easier to install and offering more flexible options.

FITS IN MORE PLACES & TIGHT SPACES

DESIGNED TO MAKE YOUR JOB EASIER
The quick hang sliding bracket system is designed to make one-person installations safe and simple. Just mount the hanging bracket to the wall, slide the unit on to align it and secure at top and bottom.

Select from 3 settings on the SR-Series:
- Timer Based (Performance or Energy Saver)
- Custom Schedule (operates in Performance mode during select times)
- On-demand

BUILT-IN RECIRCULATION SETTINGS

Room Air Intake for Greater Flexibility
Rheem® IKONIC™ can be installed either with direct vent (outside air) or non-direct vent (room air) intake. Room air intake allows maximum installation flexibility in an open area like a basement or garage, as well as in smaller spaces like a closet with full louvered door.

Room air volume must meet the National Fuel Gas Code, ANSI Z223.1 / NFPA 54. When minimum room air volume is not available, install direct venting. Consult with the product use and care manual for venting and air intake requirements.

Common Vent
Can common vent two tankless units for fewer wall penetrations making it easier to install and offering more flexible options.
Rheem® IKONIC™ Specifications

<table>
<thead>
<tr>
<th>Rheem Model Number</th>
<th>RTGH-S84i</th>
<th>RTGH-SR84i</th>
<th>RTGH-S10i</th>
<th>RTGH-SR10i</th>
<th>RTGH-S11i</th>
<th>RTGH-SR11i</th>
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</thead>
<tbody>
<tr>
<td><strong>Gas Input Rate</strong></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>MAX</td>
<td>157,000 BTU/h</td>
<td>180,000 BTU/h</td>
<td>199,900 BTU/h</td>
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<td>MIN</td>
<td>11,000 BTU/h</td>
<td>11,000 BTU/h</td>
<td>11,000 BTU/h</td>
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<tr>
<td><strong>Uniform Energy Factor (UEF)</strong></td>
<td>0.96</td>
<td>0.96</td>
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<tr>
<td><strong>Gallons Per Minute (GPM)</strong></td>
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<tr>
<td>MAX (35°F)</td>
<td>8.4</td>
<td>10.1</td>
<td>11.2</td>
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<tr>
<td>45°F Rise</td>
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<td>7.9</td>
<td>8.8</td>
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<tr>
<td>67°F Rise</td>
<td>4.6</td>
<td>5.3</td>
<td>5.9</td>
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<tr>
<td><strong>Number of Bathrooms</strong></td>
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<td>⛷ ⛷ ⛷ ⛷</td>
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<tr>
<td><strong>Temp. Range</strong></td>
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<td>85°F - 140°F</td>
<td>85°F - 140°F</td>
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<td><strong>Temp. Setting from Factory</strong></td>
<td>120°F</td>
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<td><strong>Installation Type</strong></td>
<td>Indoor (Outdoor Conversion Kit sold separately: RTGH-SX)</td>
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<td>Indoor (Outdoor Conversion Kit sold separately: RTGH-SX)</td>
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<td><strong>Fuel Type</strong></td>
<td>Compatible with Natural Gas and LP (ships NG with LP conversion kit included)</td>
<td>Compatible with Natural Gas and LP (ships NG with LP conversion kit included)</td>
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<tr>
<td><strong>Minimum Activation Flow</strong></td>
<td>0.4 GPM</td>
<td>0.4 GPM</td>
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<td><strong>Minimum Continuous Flow</strong></td>
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<td>0.26 GPM</td>
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<tr>
<td><strong>Maximum Altitude</strong></td>
<td>10,200 ft.</td>
<td>10,200 ft.</td>
<td>10,200 ft.</td>
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<tr>
<td><strong>Ultra Low NOx</strong></td>
<td>Yes (SCAQMD compliant)</td>
<td>Yes (SCAQMD compliant)</td>
<td>Yes (SCAQMD compliant)</td>
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<tr>
<td><strong>Warranty</strong></td>
<td>15 Year Heat Exchanger 5-Year Parts</td>
<td>15 Year Heat Exchanger 5-Year Parts</td>
<td>15 Year Heat Exchanger 5-Year Parts</td>
<td>1-Year Labor</td>
<td>1-Year Labor</td>
<td>1-Year Labor</td>
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</tbody>
</table>

*Based on comparison of Rheem® IKONIC™ S/SR models against similar models from leading tankless competitors. 1Based on continuous built-in recirculation pump (SR-Series only, S-Series compatible with external pump accessory) compared to average water loss of residential water piping. *Please refer to the Use & Care Manual for additional details and instructions. 4Based on comparison of Rheem® IKONIC™ S/SR models against standard residential 50-gallon tank type model with like fuel type. Savings for Liquid Propane models may be higher. 5Based on reduction in energy usage comparison of Rheem® IKONIC™ S/SR models against standard residential atmospheric 50-gallon tank type model with like fuel type, not to exceed 75,000 BTU. Wi-Fi broadband internet connection required. Download the EcoNet® App from the App Store® or Google Play® to set up your EcoNet Smart Thermostat. Receipt of notifications depend on home Wi-Fi set up. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. 6Based on simultaneous showers using 2.5 GPM flow rate pre-mixed with cold water line. Flow rates vary depending on temperature of incoming cold water and water heater set temperature. Refer to flow rate curves for accurate sizing.

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