WELCOME
TO CONTINUOUS HOT WATER

RHEEM® TANKLESS GAS WATER HEATERS
OFFER ENERGY-EFFICIENT HOT WATER FOR YOUR CUSTOMER’S HOME OR BUSINESS
Why Rheem® Tankless Gas Solutions?

WHY TANKLESS?

TANKLESS FEATURES
- Continuous hot water
- High energy efficiency
- Compact, space saving design
- Self diagnostic digital thermostat
- Precise temperature control
- No hot water storage
- Low operating costs
- High altitude installations to 10,000 ft – some models
- Low NOx emissions – all models
- Indoor and outdoor models available

TANK TYPE FEATURES
- Low first cost
- Low installation cost
- No electricity required
- Large variety of sizes available
- Flow rates of 12gpm and up
- High altitude installations to 10,000 ft.
- Low NOx emissions – some models

WHY REcirCULATION?

By circulating hot water from the tankless unit, through the home’s plumbing it can be ready at the faucet when needed.

Benefits include:
- Hot water without the wait or the waste
- On-demand or timer based pump activation means hot water ready at the tap when you need it
- The average household can save up to 12,000 gallons of water per year1
- Meets regional water saving regulations

WHY CONNECTED WATER HEATERS?

Any Rheem tankless water heater from 2010 to present2 can be connected to EcoNet for smart home integrated features, including:
- Water leak detection and system shut off (indoor models only)
- Mobile alerts for notifications/maintenance reminders
- Mobile gas and water usage reports
- Integration with NEST & WINK smart home systems

1 Savings per News Bulletin released by the United States Department of Energy / Oak Ridge National Laboratory, November 2002 on study on water and energy savings in residential homes using Hot Water Recirculating System.
2 Excluding -RH models
Selecting the Right Solution is as Easy as 1, 2, 3

1. Consider customer location
2. Assess their hot water needs
3. Review inlet temperature and recommend the best model for your customer

### Models rated at: Indoor

#### Mid-Efficiency

<table>
<thead>
<tr>
<th>Models rated at:</th>
<th>Indoor Model #</th>
<th>Average GPM</th>
<th>Approximate Usage</th>
<th>Average GPM</th>
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#### High Efficiency

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#### High Efficiency with Built-in Recirculation

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**Usage Key**

- **Faucet**
  - Flow rate of 2.0 GPM
- **Shower**
  - Flow rate of 2.5 GPM

**Inlet Temperature**
- The temperature of cold water before it enters your water heater.

**GPM**
- Gallons Per Minute

**Approximate Usage**
- The number of faucets and/or showers this model will serve based on a temperature setting of 120°F.

Usage can include other appliances instead of showers and faucets.

- Flow rates vary depending on the temperature of incoming cold water and water heater set temperature.

**Models with DV** are Indoor Direct Vent units. Models with X are Outdoor units. Replace the N (Natural Gas) in the model numbers with a P for Liquid Propane models.

*Based on simultaneous showers using a 2.5 GPM flow rate & faucets using a 2.0 GPM flow rate, both pre-mixed with cold water line to 105°F. Flow rates vary depending on temperature of incoming cold water and water heater set temperature. Number of showers and faucets vary depending on maximum flow rates of shower heads and faucets. Usage can include other appliances instead of showers and faucets.*
Rheem® Prestige® Series with Built-in Recirculation
High Efficiency Tankless Gas Water Heating Solutions

**BUILT-IN RECIRCULATION PROVIDES INSTANT HOT WATER AT THE TAP**¹ **AND REDUCES WATER WASTE**

Available in indoor direct vent models, the new Rheem Ultra Low NOx, High Efficiency Condensing Tankless series with built-in recirculation saves time on install with built-in pump and reduces water waste.

**LOWER INSTALLATION COSTS**
Installs with 2" and 3" Schedule 40 PVC venting, which is easier to work with and lower cost than stainless steel, saving you money and time.

**BUILT-IN RECIRCULATION PUMP**
Circulates hot water from the water heater and returns the cold water that would normally run down the drain, back through the plumbing, allowing hot water to be ready at the tap without any cold water being wasted.

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**Energy Factor** | .94 UEF
---|---
**Venting Type** | Vents with Schedule 40 PVC, CPVC, PP
**Dimensions** | 28.7" H x 17.3" W x 14.8" D
**Weight** | 85 lbs.
**Warranty** | Heat Exchanger: 12 Years Residential; 5 Years Commercial
| Parts: 5 Years
| Labor: 1 Year
**Ultra Low NOx** | All Natural Gas Models
**High Altitude** | Up to 10,000 ft.

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**Description** | **180,000 BTU Max.** | **199,000 BTU Max.**
---|---|---
Indoor Direct Vent – Nat. Gas | RTGH-RH10DVLN | RTGH-RH11DVLN
Indoor Direct Vent – LP. Gas | RTGH-RH10DVLP | RTGH-RH11DVLP

¹ Individual results may vary.
² Based on comparison against 50-gallon tank type model with like fuel type. Savings based on Natural gas model; Savings higher for liquid propane models. ²Individual results may vary.
**SAVE TIME**

1. **Vents with PVC**
   - Vents up to 50 ft. with 2” and up to 100 ft. with 3” PVC saving time and money.

2. **Common Venting**
   - Vent two units together for fewer wall penetrations.

3. **Power Venting**
   - Vent single units using room air intake for more flexible installs.

4. **Half-Inch Gas Line Compatible**
   - Convert homes easily from tank to tankless without the need to upgrade existing gas lines up to 24 ft.

5. **Perfect for Replacement**
   - With dedicated programming for installs without a return line, a crossover valve can be used to turn the existing cold water pipe into a return.

**INSTALL MORE**

6. **Instant Hot Water**
   - Recirculation pump circulates hot water from the water heater through the home, keeping it ready at the tap when needed.

7. **Save Water**
   - Save up to 12,000 gallons of water wasted down the drain each year waiting for it to get hot.

8. **Timer-Based Pump Activation**
   - Option to program pump activation at specific times of day to make sure hot water is always ready when needed.

9. **Auto-Learn Programming**
   - This setting will track water usage over a period of time and auto-program recirculation to meet hot water needs at peak times.

10. **Preheat Mode & Internal Recirculation**
    - Pumping water through the heat exchanger in an internal loop, the unit can maintain consistent performance and prevent cold water bursts.

11. **Water & Gas Leak Detection**
    - Will shut down the unit and provide an error code.

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1. For all venting installations, refer to ANSI Z223.1/NFPA 54, as well as applicable local building codes.
2. Based on Rheem testing of 1/2” gas line with gas supply of 7” w.c. up to 24’; Installation conditions vary. Consult the Rheem® Use and Care Manual, the Rheem® Gas Piping Facts brochure (TK-GPF-12), the National Fuel Gas Code (NFPA 54, ANSI Z223.1), and any other local gas codes when installing a Rheem Tankless Water Heater.
3. Individual results may vary.
Rheem® Prestige® Series
High Efficiency Tankless Gas Water Heating Solutions

MAXIMUM WATER AND ENERGY SAVINGS, PLUS KEEPS INSTALL COSTS TO A MINIMUM

Available in both indoor and outdoor models, Rheem Ultra Low NOx, High Efficiency Tankless solutions are loaded with features to save on installation costs, time and servicing—while saving homeowners more money, water and space.

LOWER INSTALLATION COSTS

Installs with 2", 3" and 4" Schedule 40 PVC venting, which is easier to work with and lower cost than stainless steel, saving you money and time

BUILT-IN CONDENSATE NEUTRALIZER

Safely dispose of condensate without extra installation cost and time

| Energy Factor | .93 UEF |
| Venting Type | Vents with Schedule 40 PVC |
| Dimensions    | 27-1/2" H x 18-1/2" W x 9-3/4" D |
| Weight        | 82 lbs. |
| Warranty      | Heat Exchanger: 12 Years Residential; 5 Years Commercial |
|               | Parts: 5 Years |
|               | Labor: 1 Year |
| Ultra Low NOx | All Natural Gas Models |

NEW MODELS WITH ECONET INCLUDED

ENERGY SAVINGS UP TO $1,100

1 Based on comparison against 50-gallon tank type model with like fuel type. Savings based on Natural gas model; Savings higher for liquid propane models.

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<td>RTGH-95DVELP-1</td>
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<tr>
<td>EcoNet WiFi Included: Indoor Direct Vent – LP. Gas</td>
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<td>RTGH-95XELN-1</td>
<td>RTGH-95XELP-1</td>
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<tr>
<td>EcoNet WiFi Included: Outdoor – Nat. Gas</td>
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<td>RTGH-95XELP-1</td>
<td>RTGH-95XELP-1</td>
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<td>EcoNet WiFi Included: Outdoor – LP Gas</td>
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<td>RTGH-95XELP-1</td>
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<td>RTGH-90XLN-1</td>
<td>RTGH-90XLP-1</td>
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</tbody>
</table>
SAVE TIME

1 PVC Venting Compatible
Vent with 2", 3" and 4" PVC, saving time and money

2 Easy To Service
Access all parts of the heater with just a Phillips-head screwdriver

3 Built-In Condensate Neutralizer
Industry First!
Safely dispose of condensate without extra installation cost and time

4 Half-Inch Gas Line Compatible up to 24 ft.¹
Saves money and time on installation to an existing system

5 Freeze Protection
Industry Best!
Ceramic heaters on copper pipes protect from 40ºF to -30ºF, allowing outdoor installation

INSTALL MORE

6 Hot Start Programming
RHEEM EXCLUSIVE
Minimizes cold water bursts by staying in ready-fire state for back-to-back hot water needs

7 Overheat Film Wrap
RHEEM EXCLUSIVE
Safety feature prevents dangerous temperatures allowing industry-best, 1/2" side-to-side clearance to combustibles

8 Water Savings Setting
RHEEM EXCLUSIVE
Can save up to 1,100 gal/year by reducing water flow at tap until set temperature is achieved (optional)

9 Low Flow Activation
Industry Best!
Minimum flow rate of .26 GPM and activation flow rate of .40 GPM ensures hot water in low demand situations

10 Six Stage Modulating Burner
Tight control over burner energy efficiency

11 EcoNet® Enabled
All models from 2010 to present can connect to EcoNet mobile app via Tankless EcoNet Accessory Kit (REWRA630TWH)

¹ Based on Rheem testing of 1/2" gas line with gas supply of 7" w.c. up to 24'; Installation conditions vary; Consult the Rheem® Use and Care Manual, the Rheem® Gas Piping Facts brochure (TK-GPF-12), the National Fuel Gas Code (NFPA 54, ANSI Z223.1), and any other local gas codes when installing a Rheem Tankless Water Heater.
Rheem® Classic Plus® Series
Mid-Efficiency Tankless Gas Water Heating Solutions

ENERGY EFFICIENCY AND SAFETY FEATURES, PLUS SAVINGS ON INSTALLATION
Available in both indoor and outdoor models, our Mid-Efficiency solutions are not only designed to save costs and time on installation and service, but also offer smart energy savings and safety features customers love.

| Energy Factor | .82 UEF: Indoor | .81 UEF: Outdoor |
| Venting Type | Vents with 3”/5” stainless steel concentric vent system, (sold separately) |
| Dimensions | 25-5/8” H x 13-7/8” W x 9-7/8” D (Indoor) | 23-5/8” H x 13-7/8” W x 8-7/8” D (Outdoor) |
| Weight | 54 lbs. |
| Warranty | Heat Exchanger: 12 Years Residential; 5 Years Commercial |
| | Parts: 5 Years |
| | Labor: 1 Year |

NEW MODELS WITH ECONET INCLUDED

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<tr>
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<td>Indoor Direct Vent – LP. Gas</td>
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<td>Outdoor – Nat. Gas</td>
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</table>

1 Based on comparison against 50-gallon tank type model with like fuel type. Savings based on Natural gas model; Savings higher for liquid propane models.
SAVE TIME

1. Easy To Service
   Access all parts of the heater with just a Phillips-head screwdriver

2. Half-Inch Gas Line Compatible up to 24 ft.¹
   Saves money and time on installation to an existing system

3. Freeze Protection
   **Industry Best!**
   Ceramic heaters on copper tubes protect from 40ºF to -30ºF allowing outdoor installation

4. Maintenance Notification Setting
   **RHEEM EXCLUSIVE**
   Alerts homeowners after 500 hours of use (about one year - 1½ years) to call for service extending the life of the water heater (optional)

INSTALL MORE

5. Hot Start Programming
   **RHEEM EXCLUSIVE**
   Minimizes cold water sandwich by staying in ready-fire state for back-to-back hot water needs

6. Overheat Film Wrap
   **RHEEM EXCLUSIVE**
   Safety feature prevents dangerous temperatures allowing industry-best, side-to-side clearance to combustibles

7. Water Savings Setting
   **RHEEM EXCLUSIVE**
   Can save up to 1,100 gal/year by reducing water flow at tap until set temperature is achieved (optional)

8. Low Flow Activation
   **Industry Best!**
   Minimum flow rate of .26 GPM and activation flow rate of .40 GPM ensures hot water in low demand situations

9. Six Stage Modulating Burner
   Tight control over burner energy efficiency

10. EcoNet® Enabled
    All models from 2010 to present can connect to EcoNet mobile app via Tankless EcoNet Accessory Kit (REWRA630TWH)

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Rheem® Commercial Tankless Solutions

DETERMINING ENERGY SAVINGS, FLEXIBILITY & SUPPORT

Introducing a dedicated water heating solution for businesses with all the Rheem tankless advantages, plus:

- Thermal Efficiency of up to 96%
- Built-in maximum temperature setting of 185°F
- Common venting options for indoor natural gas models
- Manifold control models for linking up to 20 units with no added accessories
- Service valves included

Manifold Control Ready & Common Vent Compatible

Now Manifold Control Ready & Common Vent Compatible

Description | Commercial Tankless | Commercial Tankless WITH Manifold Control
--- | --- | ---
Indoor Direct Vent – Nat. Gas | RTGH-C95DVLN | RTGH-CM95DVLN
Indoor Direct Vent – LP Gas | RTGH-C95DVLP | RTGH-CM95DVLP
Outdoor – Nat. Gas | RTGH-C95XLN | RTGH-CM95XLN
Outdoor – LP Gas | RTGH-C95XLP | RTGH-CM95XLP

¹ According to a 2016 survey of tankless contractors by Hanover Research on behalf of Rheem.

Manifold Control Ready

To create a load sharing system, the factory-installed manifold controller allows up to 20 units to be connected—via an included cable. Once connected, the system is load balanced, which creates redundancy—so if one heater goes down, the business can stay up and running.
CONTROL YOUR TANKLESS SYSTEM

Rheem’s new line of commercial tankless solutions includes four options with a factory-installed manifold control translator for connecting up to 20 units – in daisy-chain configuration – via included manifold control cable. Once manifolded, the tankless water heaters balance the workload as a system.

LESS DOWNTIME

Having multiple units working together creates redundancy, so if one tankless water heater goes down, your customer’s business stays up and running.

<table>
<thead>
<tr>
<th>Manifold QTY</th>
<th>Total System BTU based on 199,900 Btu per Unit</th>
<th>Total System Gallons Per Minute (GPM) – Per Temperature Rise (ΔT)</th>
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</table>

Tankless Multi-Unit Flow Rate Curve
Cosmetic Pipe Covers
Enhance the installation of the water heater and provides protection from tampering and weather.
- RTG20227 - Fits RTGH DV or X Series
- RTG20217DVG - Fits RTG DV Series
- RTG20217XG - Fits RTG X Series

Outdoor Recess Box
Mount an outdoor unit into the wall, flush with the outside of the home.
- RTG20226 - Fits RTGH X Series
- RTG202218 - Fits RTG X Series
- RTG202253 - For Stucco - Fits RTGH X Series

Remote Controls
- RTG20006DW - UMC-117 - Main
- RTG20006DU - USC1-117 - Bath
- RTG20006DV - USC2-117 - Second Bath
- RTG202209-1 - 10’ - Thermostat Wire 1 pair 18AWG

ECONET® SMART HOME
EcoNet® WiFi Kit
Provides remote access to tankless unit from mobile app
- REWRA630TWH – EcoNet Translator and WiFi Kit for tankless water heaters

EZ-Link™ Cable
Connect two tankless water heaters to operate as a single unit
- RTG2020040 - 6-ft. Cable with Connectors and Support Clamps

MIC-6 Manifold Controller System
Kit mounts inside a single tankless unit and connects to up to 5 additional units for a total of 6.
- RTG202013A - Includes (1) 1-ft. control cable and (1) 6-ft. control cable

MIC-185 Manifold Controller System
- RTG20126A - Manifold and control up to 6 tankless models. Includes installation cabinet for indoor or outdoor applications

MICS-180 Manifold Controller Expansion Card
- RTG20126B - Add on to the MIC-185 to expand up to 20 unit systems. Mounts inside MIC-185 cabinet. Includes cables to connect to the MIC-185 board

Manifold Control Cables (Type K)
One cable required for each tankless unit connected to the MIC 180.
- RTG2020126C - Cable - MIC-K-16, 16-ft. Control Cable

Recirculation Pump Kit – Timer Based
- AP17920 - Kit contains: (1) Taco Genie® 0015 recirculation pump with internal check valve, (2) Stainless steel flanges and flange gaskets, (4) 7/16” – 14 Bolts

Recirculation Pump Kit – On Demand
- AP18403 - On demand pump kit - standard
- AP18537 - On demand pump kit - under sink

SEE THE TANKLESS PARTS AND ACCESSORIES CATALOG FOR MORE OPTIONS
**NEW EZ-RACK™ KIT**

Mounts easily to a wall or free standing. Additional kits to hold any number of units. Assembles easily on the jobsite in under 10 minutes.

- RTG20304
Tankless Venting

Complete Your Installation with Rheem® Venting Components and Accessories

**Venting for Condensing Tankless RTGH Series**

PVC Termination Kits | Allow for an aesthetic and easy installation

- **Horizontal or Vertical Concentric Termination**
  - Combines a two-pipe vent system to a single, concentric through-the-wall or roof penetration. Designed for two-pipe direct vent, fits PVC or CPVC venting. Installed dimensions: 39"H x 7-1/4"D
  - **RTG20231** - Up to 6" walls
  - **RTG20234** - Up to 8" walls

- **Horizontal Vent Termination**
  - Low profile design for two-pipe direct vent, fits PVC or CPVC venting. Installed dimensions: 11-3/4"W x 8"W x 2-1/2"D
  - **SP20286** - For 3" PVC Venting
  - **SP20285** - For 2" PVC Venting

- **Economy Vent Kit**
  - **RTG20210** - Up to 10" walls

**Venting for Mid Efficiency Tankless RTG Series**

Stainless Steel Vent System | 3" x 5" Concentric Category III Metal Fab

- **Horizontal Vent Kit**
  - Low profile cone design for concentric direct vent systems. Includes 90° elbow, short, low-profile termination and installation screws.
  - **RTG20231** - Up to 6" walls
  - **RTG20234** - Up to 8" walls

- **Economy Vent Kit**
  - **RTG20210** - Up to 10" walls

- **Vertical Termination Kit**
  - Concentric direct vent systems. Stainless steel and galvanized construction. Includes vertical termination cap, storm collar, 6-12 pitch roof flashing and installation screws. Vent pipe not included.
  - **RTG20211** - Vertical Vent Kit

Additional venting and accessories are available. See Catalog for details.

**Stainless Steel Metal Fab Venting Components and Accessories**

- **90° Elbow**
  - 8.1" rise – 8.1" run
  - **RTG20151A-1**

- **45° Elbow**
  - 8.6" rise – 3" run
  - **RTG20151B-1**

- **Wall Hanger**
  - 2-point pivot mounting
  - **RTG20151H**

- **Wall Thimble**
  - 17" wide for up to 6" deep walls, with drywall and stucco rings, ideal for new construction
  - **RTG20151Z**

- **6" Vent Length**
  - 5.66" overall length
  - **RTG20151W**

- **12" Vent Length**
  - 11.66" overall length
  - **RTG20151R**

- **24" Vent Length**
  - 23.66" overall length
  - **RTG20151C-1**

- **36" Vent Length**
  - 35.66" overall length
  - **RTG20151D-1**

**Venting Options and Installations**

All indoor tankless units must be vented to the outdoors using manufacturer approved venting material.

**PVC Vent System**

- **INDOOR Horizontal vent termination**
- **INDOOR Vertical vent termination**

**3"/5" Concentric Vent System**

- **INDOOR Horizontal vent termination**
- **INDOOR Vertical vent termination**

**OUTDOOR**

- **OUTDOOR Recess box installation**
- **OUTDOOR installation**

Venting details, including clearances, instructions and diagrams can be found in the “Use & Care Manual” of Rheem indoor tankless water heaters. (ULCS636 Pipe must be used for Canada.)

*Outdoor units do not require venting materials.
**Rheem® Commercial Tankless Common Venting**

Header kits include all required venting pieces to connect multiple units. Additional vent run accessories are required to complete installation. Common venting header kits are available for inline or back to back installations, direct vent or room air intake options, using 6”, 8” and 10” trunk diameters.

### Inline Header Kits

<table>
<thead>
<tr>
<th>Trunk Diameter</th>
<th>Number of units</th>
<th>Direct Vent Part No.</th>
<th>Room Air Part No.</th>
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**Vent Run Accessories**

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**Back to Back Header Kits**

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**NOTE:** Diagrams illustrate direct vent and horizontal exhaust. Room air intake and vertical exhaust configuration also available, but not pictured.

**For more information, visit** [Rheem.com/commercial-tankless](http://Rheem.com/commercial-tankless)
RHEEM® FINANCING PARTNERSHIP

Don’t let limited cash-on-hand keep you from being comfortable.

The Rheem KwikComfort® Financing program makes it easy to find a financing option that works for you! With many options and benefits available, KwikComfort® Financing is the best way to get the home comfort you need without the wait.

PROTECH® Service & Parts Kit

These kits, designed with the contractor in mind, provide all the basic parts necessary for a complete repair of a Rheem tankless gas water heater.

- PROTECH PD966349  
Mid-Efficiency Direct Vent Models
- PROTECH PD966350  
Mid-Efficiency Outdoor Models
- PROTECH PD966351  
Condensing Models

CONTACT US

Customer Service, Warranty, Parts..............................800-621-5622
Tankless Support..........................................................866-720-2076
Technical Service..........................................................800-HEATER3
(800-432-8373)

Visit us online at rheem.com/tanklessinnovation  
or see your local distributor.

All Rheem Tankless Water Heaters meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAEC, ASHRAE, standard 90, ICC Code and all state energy efficiency performance criteria. All units meet or exceed SCAQMD rule 1146.2 for California Emission Requirements.

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