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## Rinnai REU-VE2432FFD-US-P

# Rinnai RE180iP Non-Condensing Propane Tankless Water Heater

User Manual

Model: REU-VE2432FFD-US-P

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## 1. PRODUCT OVERVIEW

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The Rinnai RE180iP Non-Condensing Propane Tankless Water Heater is designed to provide an efficient and continuous supply of hot water for your home. Its compact design allows for indoor installation, saving valuable space. This model features an LED display for easy monitoring of status and error codes, enhancing serviceability.



Figure 1: Rinnai RE180iP Tankless Water Heater - Front View

This image displays the Rinnai RE180iP tankless water heater, a compact, wall-mounted unit. It is silver-grey with a black LED display panel on the lower front, showing "120". The top features a vent connection, and the bottom has various pipe connections.

Unlike traditional tank water heaters that continuously heat and reheat water, the RE180iP heats water only when needed, leading to reduced energy waste. It provides up to 8.5 Gallons Per Minute (GPM), capable of supplying hot water to multiple fixtures simultaneously.

## 2. INSTALLATION

Professional installation is highly recommended for the Rinnai RE180iP Tankless Water Heater to ensure proper and safe operation. Incorrect installation can lead to hazards and void warranty.

For detailed installation instructions, please refer to the official Installation Manual:

[Download Installation Manual  
\(PDF\)](#)

Key considerations for installation include:

- **Location:** This model is designed for indoor installation. Ensure adequate ventilation and clearance as specified in the manual.
- **Gas Supply:** Requires a 3/4" propane gas line. Verify your existing gas line size or consult a professional for necessary upgrades.
- **Water Connections:** Proper hot and cold water line connections are crucial.
- **Venting:** Correct venting is essential for safety and efficiency.

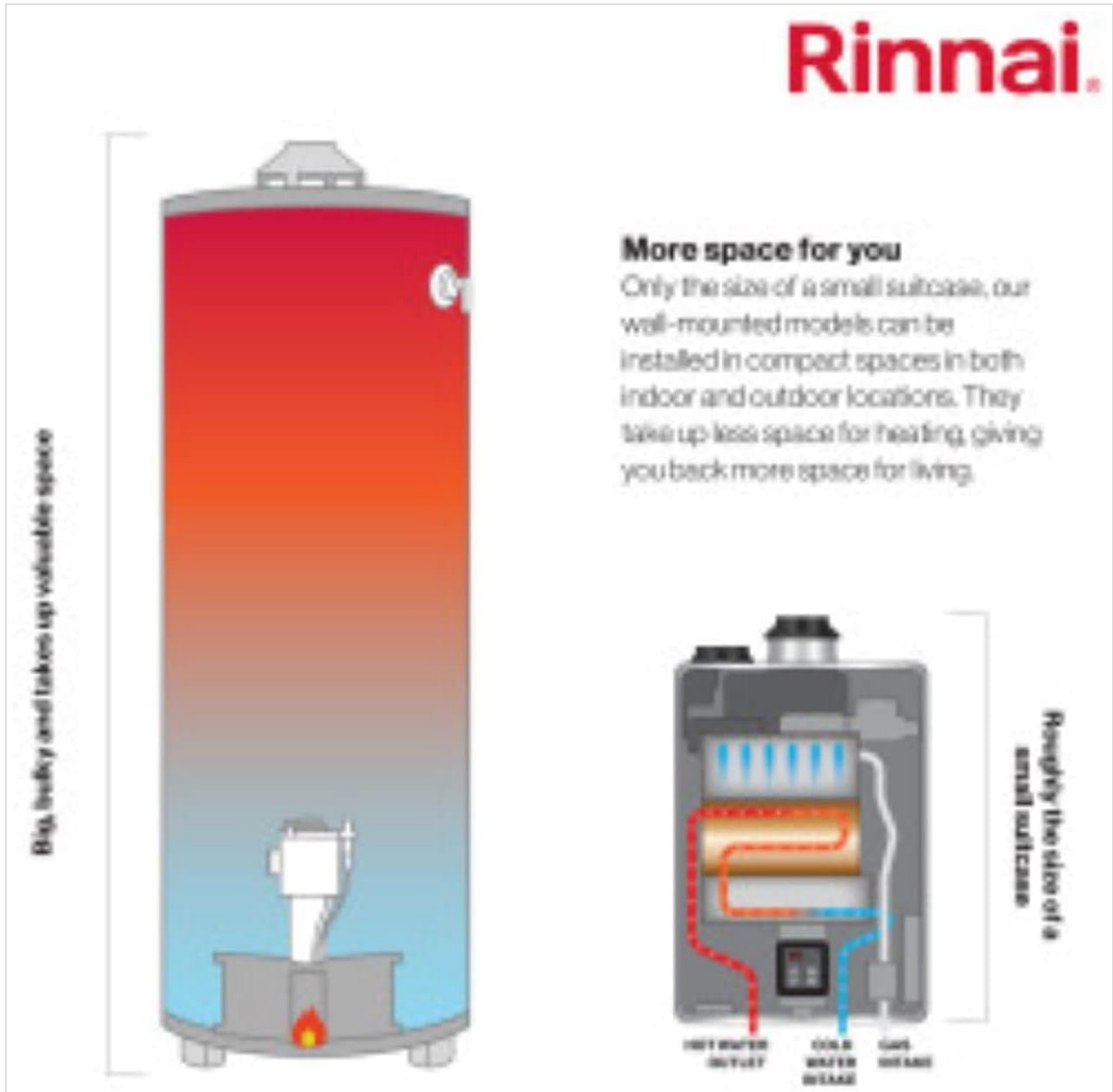


Figure 2: Example of Indoor Installation

This image shows a Rinnai tankless water heater mounted on a white garage wall, connected to plumbing and venting. A green trash can is visible to the left, and a workbench with tools is to the right, demonstrating the compact nature of the unit in a utility space.

### 3. OPERATING INSTRUCTIONS

The Rinnai RE180iP operates on demand, meaning it only heats water when a hot water tap is opened. This ensures you have a continuous supply of hot water without the need for a storage tank.

- **Power On/Off:** Ensure the unit is properly connected to power and gas supply. The LED display will illuminate

when operational.

- **Temperature Setting:** Use the controls on the LED display to adjust the desired hot water temperature. Refer to the full installation manual for specific temperature adjustment procedures.
- **Flow Rate:** This unit provides a maximum flow rate of 8.5 GPM. The actual flow rate and simultaneous fixture usage can vary based on the incoming groundwater temperature.

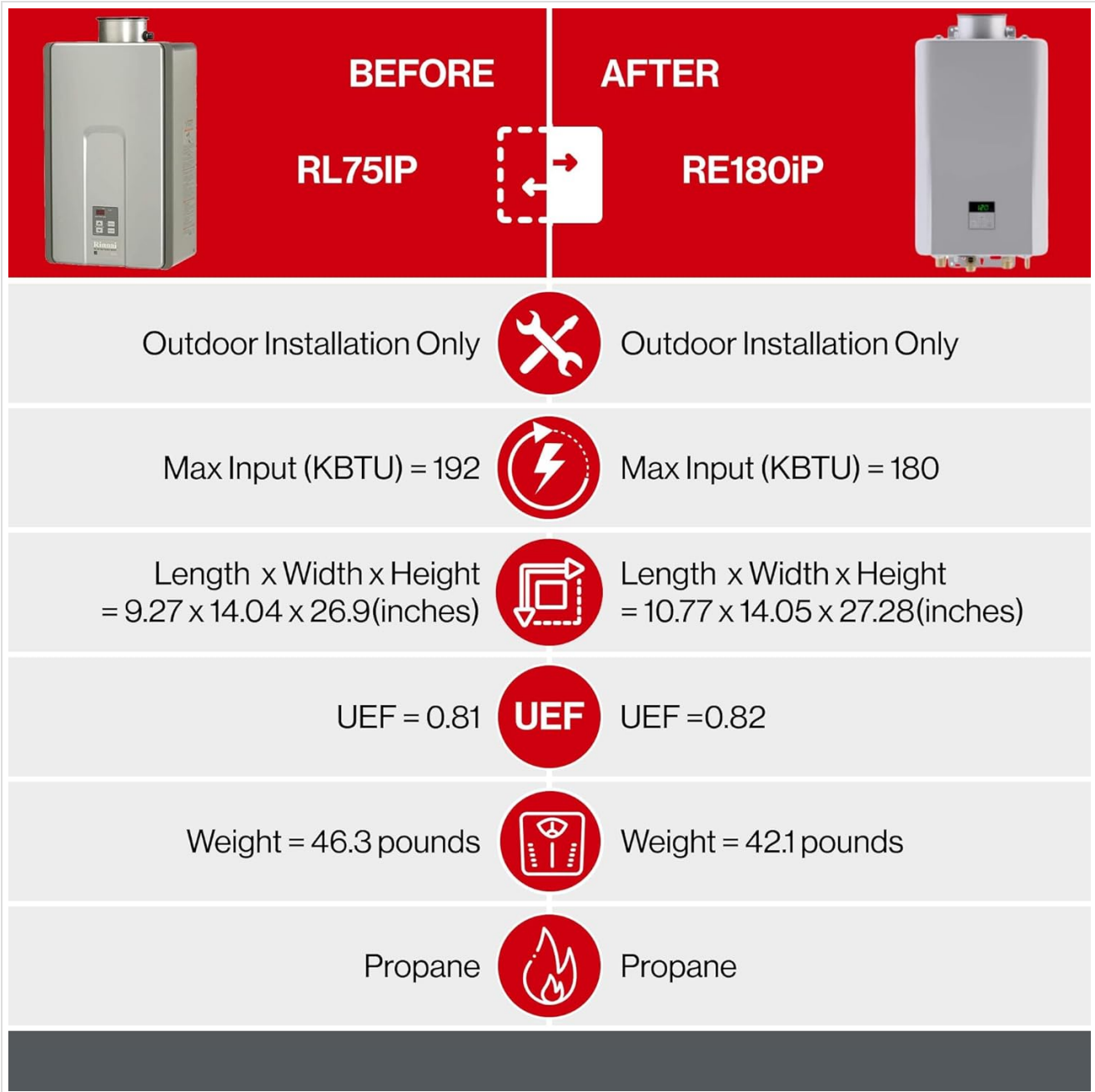


Figure 3: Groundwater Temperature Impact on Flow Rate

This image displays a map of the U.S. showing average groundwater temperatures by region, color-coded from 35°F to 77°F. Below the map, a table correlates groundwater temperature with maximum flow rate (GPM) and simultaneous shower use for the Non-Condensing Model: RE180i/e, BTU: 180,000. This illustrates how colder incoming water reduces the available hot water flow rate.

The LED display provides important information, including current temperature, operational status, and diagnostic error codes. Familiarize yourself with these codes by consulting the troubleshooting section of the comprehensive manual.

## 4. MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your Rinnai tankless water heater. While

Rinnai units are built for durability, proper care can significantly extend their lifespan and prevent issues such as sediment buildup.

- **Annual Flushing:** It is recommended to have the unit flushed annually by a qualified technician to remove mineral buildup, especially in areas with hard water. This prevents rusty sediment accumulation that can occur in traditional tanks and affect performance.
- **Vent Inspection:** Periodically inspect the vent termination for any obstructions or damage.
- **General Cleaning:** Keep the exterior of the unit clean and free from dust and debris.

For detailed maintenance procedures, refer to the complete Installation and Operation Manual.

## 5. TROUBLESHOOTING

The Rinnai RE180iP is equipped with an LED display that shows diagnostic codes to assist in troubleshooting. If you encounter an issue, note the code displayed and consult the troubleshooting guide in your full manual.

- **No Hot Water:** Check gas supply, water flow, and power connection. Look for error codes on the LED display.
- **Inconsistent Water Temperature:** This could be due to low flow rate, mineral buildup, or external factors.
- **Error Codes:** Each code corresponds to a specific issue. Refer to the manual's troubleshooting section for a comprehensive list and solutions.

If you are unable to resolve the issue using the manual, contact a qualified Rinnai service professional.

## 6. SPECIFICATIONS

Below are the key specifications for the Rinnai RE180iP Non-Condensing Propane Tankless Water Heater:

Feature	Specification
Brand	Rinnai
Model Number	REU-VE2432FFD-US-P
Product Dimensions (W x H)	14.05"W x 27.24"H
Item Weight	53.6 pounds
Color	Silver
Special Feature	LED Display
Wattage	18 KW
Maximum Flow Rate	8.5 Gallons Per Minute
Maximum Temperature	160 Degrees Fahrenheit
Efficiency	High Efficiency
Mounting Type	Wall
Fuel Type	Propane
UPC	766156016233

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Scroll down to the **Product Guides and Documents** section to see our installation manual, spec sheet, warranty info and more!

Figure 4: Model Comparison (RL75iP vs RE180iP)

This image presents a side-by-side comparison of the Rinnai RL75iP and RE180iP models, highlighting differences in installation type, maximum input (KBTU), dimensions, UEF (Uniform Energy Factor), and weight. Both models are propane-fueled.

## 7. WARRANTY INFORMATION

The Rinnai RE180iP Tankless Water Heater comes with a comprehensive residential guarantee:

- **Heat Exchanger:** 15-year guarantee
- **Parts:** 5-year guarantee
- **Labor:** 1-year guarantee

Please retain your proof of purchase and installation records for warranty claims. For full terms and conditions, refer to the warranty information provided in the complete product documentation.

## 8. SUPPORT & CONTACT

For technical assistance, service, or to locate a qualified professional for installation or maintenance, please utilize

the following resources:

- **Find a Rinnai PRO:** Visit the "Find a Rinnai PRO" page on the official Rinnai website to locate a qualified technician in your area.
- **Customer Support:** Refer to the contact information provided in your product packaging or on the official Rinnai website for direct customer support.

Always ensure that any service or repair work is performed by a certified professional to maintain safety and warranty validity.

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This manual is for informational purposes only. Always consult a qualified professional for installation and service.