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## Rheem RTG-70XLP-1

# Rheem RTG-70XLP-1 Tankless Water Heater User Manual

Model: RTG-70XLP-1 | Brand: Rheem

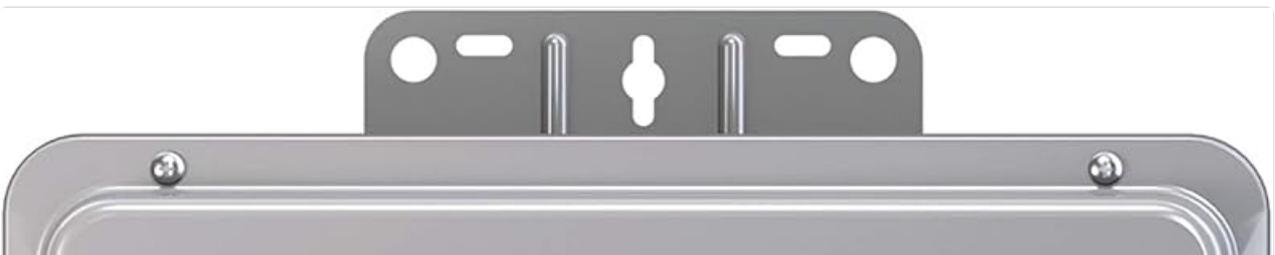
## 1. PRODUCT OVERVIEW

The Rheem RTG-70XLP-1 is a mid-efficiency outdoor liquid propane tankless water heater designed for continuous hot water. It features industry-leading low flow activation with a minimum flow rate of 0.26 GPM and minimum activation flow rate of 0.40 GPM, ensuring hot water is received even in low demand situations. An Ultra Low NOx burner meets SCAQMD rule requirements for safety with low emissions. The exclusive Guardian Overheat Film Wrap prevents units from reaching dangerous temperatures. This model includes maintenance notification settings, a self-diagnostic system, and EcoNet enabled mobile app feature (additional kit available). A digital remote control and 10ft of thermostat wire are included. This unit is for outdoor use, requiring no indoor venting. It is best suited for homes with up to 3 bathrooms, offering 0.81-0.82 UEF (0.82 EF Canada) and 160,000 BTU efficiency. Professional installation is required to maintain warranty validity.

### Key Features:

- Continuous Hot Water – never run out of hot water, even with back-to-back showers.
- Cost-Saving and Energy Efficient – Tankless Gas Water Heaters reduce energy consumption.
- Reduces Energy Consumption - Automatically adjusts the amount of energy required to heat the water you need.
- Easy, Convenient Control – Easily adjust water temperature ranging from 85°F–140°F.
- Outdoor Use with Freeze Protection – Protects down to -30 degrees Fahrenheit.

## 2. PRODUCT FEATURES AND COMPONENTS







**Figure 2.1:** The Rheem RTG-70XLP-1 is a mid-efficiency outdoor liquid propane tankless water heater. It features a sleek grey design with the Rheem logo prominently displayed. An EnergyGuide label indicates an estimated yearly energy cost.





**Figure 2.2:** Rear view of the unit, highlighting the mounting brackets for secure wall installation.

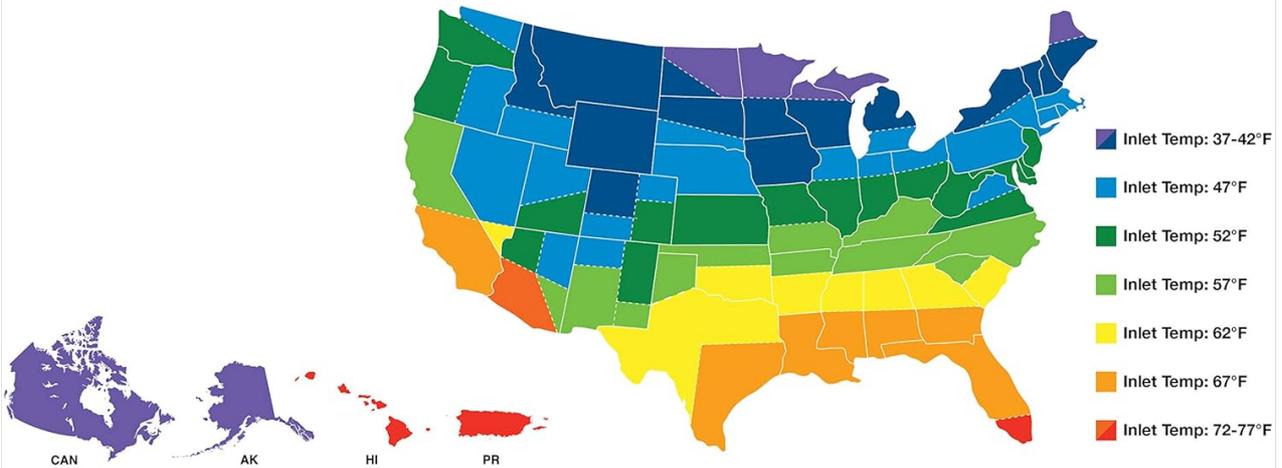


Figure 2.3: This image illustrates the compact dimensions of the unit: approximately 13.88 inches wide by 23.63 inches high.



**Figure 2.4:** An example of the tankless water heater installed outdoors on a brick wall, demonstrating its intended use and compact footprint.

- 1 Note the color of your location on the map
- 2 Check the approximate usage for your region in the table
- 3 Determine which BTU level is right for your family



Incoming Water Temp.		72-77°	67°	62°	57°	52°	47°	37-42°	
Model No.	BTU/h	Approx. Usage							
RTG-95 RTG-RC95	199,900	🚰🚰🚰🚰	🚰🚰🚰	🚰🚰🚰🚰	🚰🚰🚰	🚰🚰🚰	🚰🚰🚰	🚰🚰	🚰
RTG-84	180,000	🚰🚰🚰	🚰🚰🚰🚰	🚰🚰🚰	🚰🚰🚰	🚰🚰🚰	🚰🚰	🚰	
RTG-70	160,000	🚰🚰🚰	🚰🚰🚰	🚰🚰🚰	🚰🚰🚰	🚰🚰	🚰	🚰	

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

**GPM:** Gallons Per Minute

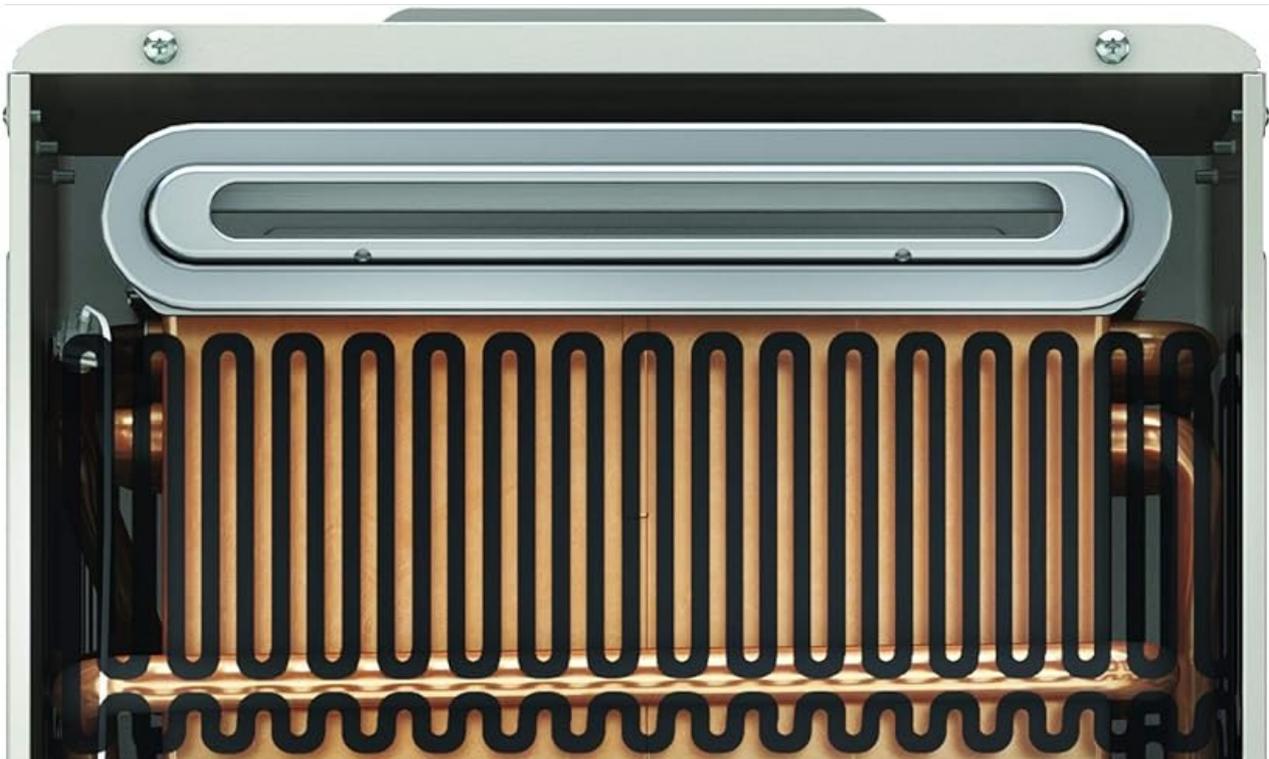
**Approximate Usage:** The number of faucets and/or showers this model will serve based on a temperature setting of 120°F. Flow rates vary depending on temperature of incoming cold water and water heater set temperature.

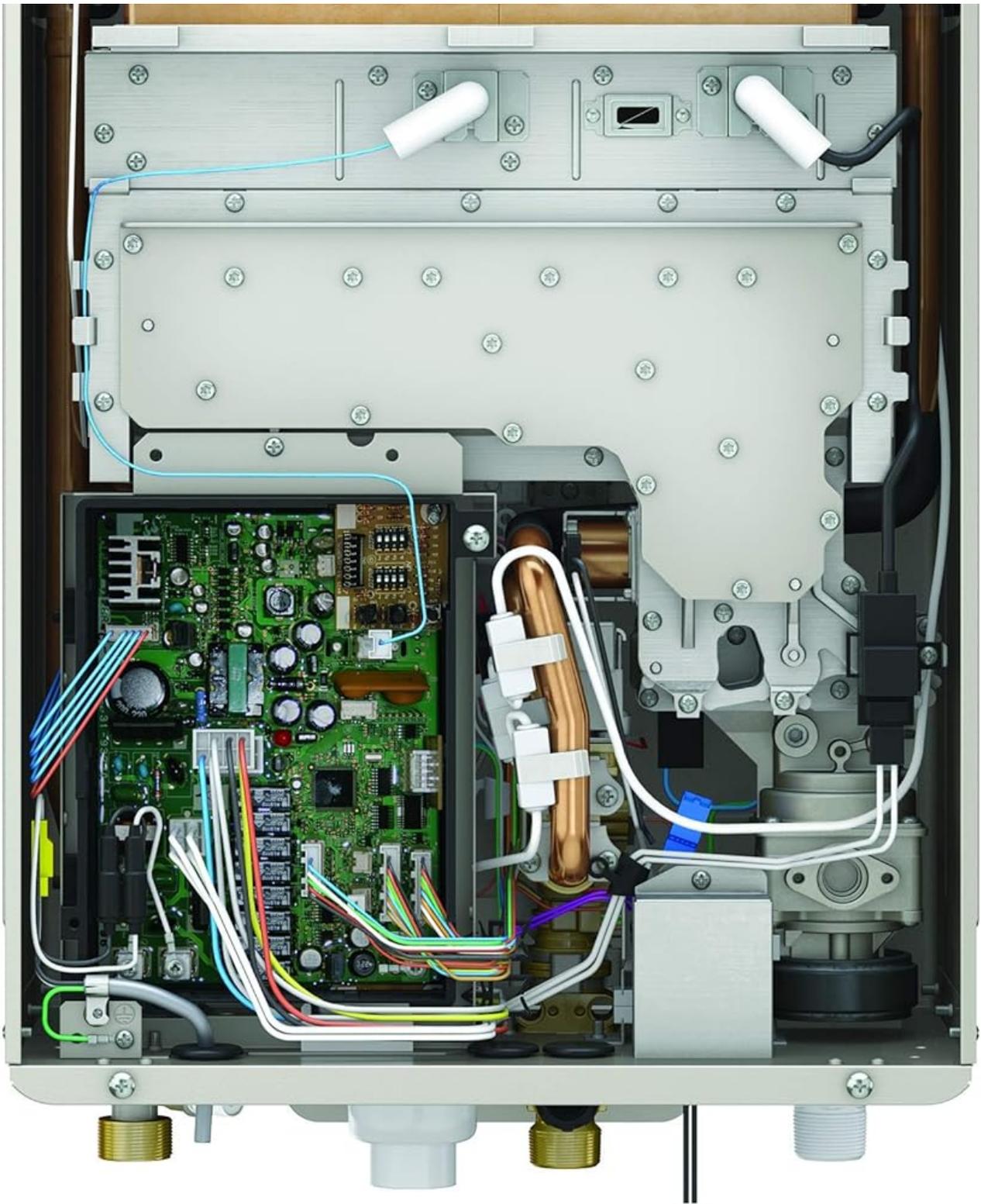
**USAGE KEY**

 **Faucet**  
Flow rate of 1.2 GPM

 **Shower**  
Flow rate of 2.0 GPM

**Figure 2.5:** This map and accompanying table provide guidance on selecting the appropriate BTU level based on incoming water temperature and regional climate, indicating approximate usage for various models.





**Figure 2.6:** An internal view revealing the heat exchanger, control board, and various plumbing connections, showcasing the unit's sophisticated internal design.

### **Product Overview Video:**

This video provides a concise overview of the Rheem RTG-70XLP-1 Tankless Water Heater, highlighting its key features and benefits.

## **3. SETUP AND INSTALLATION**

Professional installation is required for the Rheem RTG-70XLP-1 Tankless Water Heater to ensure proper function and to maintain warranty validity. This unit is designed exclusively for outdoor installation, eliminating the need for complex indoor venting systems.

The package includes a digital remote control and 10 feet of thermostat wire for convenient temperature management. For detailed, step-by-step installation instructions, including plumbing and electrical connections, please refer to the official User Manual (PDF) provided by Rheem.

## 4. OPERATING INSTRUCTIONS

The Rheem RTG-70XLP-1 Tankless Water Heater is designed for user-friendly operation. Water temperature can be easily adjusted using the included digital remote control, with a range from 85°F to 140°F. The unit features low flow activation, requiring a minimum flow rate of 0.26 GPM and a minimum activation flow rate of 0.40 GPM to initiate heating, ensuring hot water even with low demand fixtures.

For optimal performance and energy efficiency, it is recommended to set the temperature to the lowest comfortable level. Consult the digital remote control's specific instructions for detailed temperature adjustment procedures and display information.

## 5. MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your Rheem RTG-70XLP-1 Tankless Water Heater. The unit is equipped with maintenance notification settings to alert you when service is required. It also features a self-diagnostic system that can help identify potential issues.

For advanced monitoring and control, the unit is EcoNet enabled, allowing for mobile app integration with an additional kit. This feature can provide real-time status updates and maintenance reminders.

It is recommended to perform annual flushing of the heat exchanger to prevent mineral buildup, especially in areas with hard water. Always refer to the official Rheem User Manual (PDF) for a comprehensive maintenance schedule and detailed instructions on specific procedures.

## 6. TROUBLESHOOTING

The Rheem RTG-70XLP-1 Tankless Water Heater includes a self-diagnostic system that displays error codes to assist in troubleshooting. If you encounter an issue, first check the digital remote control for any displayed codes and consult the official User Manual (PDF) for their meanings and recommended solutions.

### Common troubleshooting steps include:

- **No Hot Water:** Verify the gas supply is on and the unit is receiving power. Check water inlet and outlet valves are fully open. Ensure sufficient water flow to activate the unit.
- **Inconsistent Temperature:** Check for proper water flow rates. Ensure the remote control temperature setting is appropriate.
- **Error Codes:** Note the specific error code displayed and refer to the 'Troubleshooting' section in the User Manual for detailed guidance.

If the problem persists after attempting basic troubleshooting, it is recommended to contact a qualified professional or Rheem Customer Service for assistance.

## 7. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Rheem
Product Dimensions	13.88"W x 23.63"H
Color	Gray
Voltage	120 Volts
Maximum Flow Rate	7 Gallons Per Minute
Maximum Temperature	140 Degrees Fahrenheit
Efficiency	High (0.82 UEF in US, 0.82 EF in Canada)
Style	Industry, Outdoor
Maximum Operating Pressure	150 PSI
Is Electric	No
Manufacturer	Rheem
UPC	020352691565
Global Trade Identification Number	00020352691565
Part Number	RTG-70XLP-1
Item Weight	57 pounds
Item model number	RTG-70XLP-1
Finish	Stainless Steel
Pattern	Water Heater
Shape	Rectangle

Specification	Value
Installation Method	Wall Mount
Item Package Quantity	1
Usage	Outside
Included Components	Control Board, Inlet Thermistor, Heat Exchange Thermistor, Outlet Thermistor, Thermistor Wiring Harness, Gas Control Valve, Gas Control Wiring Harness, Burner Assembly, Igniter Coil, Ignitor Rod, Blower Motor, Blower Case, Burner Manifold, Flame Rod, Flame Rod Wire, Gas Inlet Connector, Water Control Valve, Bypass Assembly, Water Inlet Connector, Inlet Water Filter, Hot Water Outlet Connector, Drain Plug with Relief, Remote Control Terminal Block, Remote Control Terminal, Gas Shutoff Valve, Replacement Screw Kit, Replacement O-Ring Kit
Batteries Required?	No
Date First Available	February 27, 2019

## 8. WARRANTY AND SUPPORT

### Warranty Information:

The Rheem RTG-70XLP-1 Tankless Water Heater comes with a comprehensive warranty: **12-year heat exchanger, 5-year parts, and 1-year labor warranty**. Please retain your proof of purchase and professional installation documentation for warranty claims.

### Customer Support:

For technical assistance, troubleshooting guidance, or warranty inquiries, please contact Rheem Customer Service. You can reach them at: **1-800-432-8373**.

Additional resources, including the full user manual with detailed diagrams and instructions, can be found by downloading the PDF document here: [Rheem RTG-70XLP-1 User Manual \(PDF\)](#)