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## Rheem RTEX-06

# Rheem RTEX-06 6kW 240V Point of Use Tankless Electric Water Heater Instruction Manual

This manual provides essential information for the installation, operation, and maintenance of your Rheem RTEX-06 6kW 240V Point of Use Tankless Electric Water Heater.

## 1. PRODUCT OVERVIEW

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The Rheem RTEX-06 is a compact, point-of-use tankless electric water heater designed to provide on-demand hot water for single or multiple low-flow applications, such as a sink. It features a digital display for temperature and push-button controls.



Figure 1: Front view of the Rheem RTEX-06 Tankless Electric Water Heater, showing the digital temperature display and power button.

## 2. INSTALLATION AND SETUP

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Proper installation is crucial for the safe and efficient operation of this water heater. It is highly recommended that installation be

performed by a qualified electrician and plumber in accordance with all local and national codes.

## 2.1 Electrical Requirements

- **Voltage:** 240 Volts
- **Wattage:** 6500 Watts (6.5 kW)
- The unit must be hard-wired to a dedicated circuit. Consult a qualified electrician to ensure your residence's electrical service meets these requirements.

## 2.2 Plumbing Connections

- The unit features bottom 1/2-inch NPT water connections.
- Ensure all plumbing connections are secure and leak-free.

## 2.3 Placement

The compact design allows for installation in various locations, including under a sink, making it ideal for point-of-use applications.



Figure 2: Example installation of the Rheem RTEX-06 unit discreetly placed under a bathroom sink cabinet.

## 2.4 Pre-Installation Checklist

Before installation, consider the following points:



**Figure 3:** Electric Tankless Water Heater Purchase Checklist. This image outlines key considerations for selecting and installing an electric tankless water heater, including confirming electrical service, checking hot water output for household needs, verifying temperature delivery for your region, and ensuring required installation clearance.

- Confirm your residence's electrical service meets the selected unit's requirements.
- Check the selected unit's hot water output can support your home's sinks and showers.
- Check the selected unit can deliver your required water temperature in your region.
- Ensure required installed unit clearance is available.

## 3. OPERATING INSTRUCTIONS

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The Rheem RTEX-06 is designed for straightforward operation.

### 3.1 Power On/Off and Temperature Display

- The unit features a push-button ON/OFF control.
- An LED display shows the current water temperature.

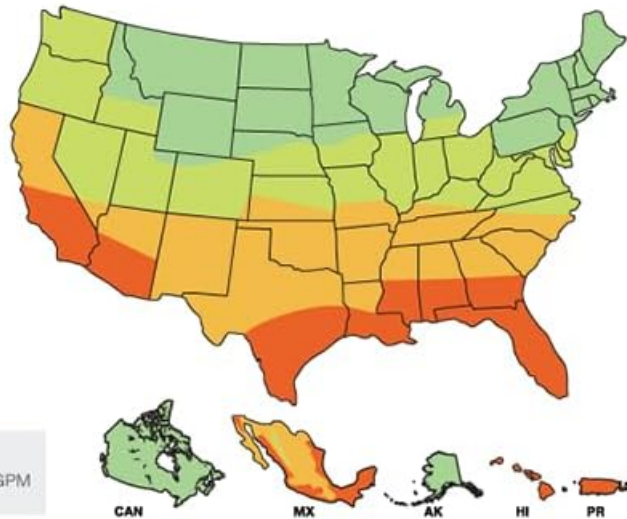
### 3.2 Hot Water Delivery

- The unit provides on-demand, consistent, and continuous hot water.
- The 6.5 kW model has a flow rate of up to 1.0 Gallons Per Minute (GPM). This flow rate is suitable for one or two sinks.
- The actual hot water output and temperature rise depend on the incoming water temperature and flow rate. Refer to the selection guide for performance expectations based on your region's inlet water temperature.

# SELECTION GUIDE


## CONSIDER YOUR LOCATION AND SEASONAL CHANGES












































































Note the color of your location on the map to the right. It corresponds to the temperature of water entering your water heater (inlet temp), in the chart below.



## CONFIRM THIS MEETS YOUR NEEDS

Use the color of your location to find the gallons per minute (GPM) and corresponding Approx. Usage in the chart below.

**Usage Key**  **Faucet:** Flow rate of 0.5 GPM  **Shower:** Flow rate of 1.5 GPM

Model	Inlet Temp. 37-47°F		Inlet Temp. 47-57°F		Inlet Temp. 57-62°F		Inlet Temp. 62-77°F	
	Max GPM	Approx. Usage	Max GPM	Approx. Usage	Max GPM	Approx. Usage	Max GPM	Approx. Usage
<b>RTEX-04</b>	Not Recommended		Not Recommended		0.6		0.9	
<b>RTEX-06</b>	0.7		0.9		1.0	 	1.5	
<b>RTEX-08</b>	0.94		1.14	 	1.27	 	1.95	
<b>RTEX-11</b>	1.30	 	1.57		1.75		2.68	  
<b>RTEX-13</b>	1.53		1.85		2.06	 	3.17	 
<b>RTEX-18</b>	2.1	 	2.6	 	2.9	 	4.4	  
<b>RTEX-24</b>	2.8	  	3.4	 	3.8	  	5.9	   
<b>RTEX-27</b>	3.2	 	3.8	  	4.3	  	6.6	   
<b>RTEX-36</b>	4.2	  	5.1	   	5.7	   	8.8	    

**NOTE:** The number of faucets and/or showers this model will serve based on a temperature setting of 105°F. Higher temperature settings will reduce flow rates.

Figure 4: Rheem Tankless Water Heater Selection Guide. This chart helps determine the maximum GPM and approximate usage (faucet or shower) for various models based on inlet water temperature ranges (37-47°F, 47-57°F, 57-62°F, 62-77°F). The RTEX-06 model is highlighted, showing its performance across different inlet temperatures.

## 4. MAINTENANCE

To ensure optimal performance and longevity of your Rheem RTEX-06 water heater, regular maintenance is recommended. Specific maintenance procedures are detailed in the comprehensive user manual provided with the product. Generally, this includes:

- Periodically checking for leaks around connections.
- Inspecting the unit for any visible damage or wear.
- Flushing the unit annually to prevent mineral buildup, especially in areas with hard water.

Always disconnect power to the unit before performing any maintenance.

## 5. TROUBLESHOOTING

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If you encounter issues with your Rheem RTEX-06 water heater, consult the troubleshooting section in the full user manual for detailed guidance. Common issues and their potential solutions often include:

- **No Hot Water:** Check power supply, ensure water flow is sufficient to activate the heater, and verify temperature settings.
- **Inconsistent Temperature:** May be due to fluctuating water pressure or flow rate exceeding the unit's capacity.
- **Error Codes:** Refer to the manual for specific error code definitions and corrective actions.

If problems persist after following troubleshooting steps, contact Rheem customer support or a qualified service technician.

## 6. SPECIFICATIONS

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Key technical specifications for the Rheem RTEX-06 Tankless Electric Water Heater:

- **Brand:** Rheem
- **Model Number:** RTEX-06
- **Product Dimensions:** 10.88"W x 5.88"H
- **Color:** Gray
- **Wattage:** 6500 watts
- **Voltage:** 240 Volts
- **Maximum Flow Rate:** 1 Gallon Per Minute
- **Heat Output:** 6 Kilowatts
- **Efficiency:** 99.8%
- **Style:** Water Heater
- **Maximum Operating Pressure:** 150 PSI
- **Mounting Type:** Wall
- **Is Electric:** Yes
- **Item Weight:** 4.5 pounds
- **Finish:** Stainless Steel
- **Installation Method:** Wall Mount
- **Included Components:** Fittings, Aerators
- **UPC:** 020352683010



Figure 5: Dimensions of the Rheem RTEX-06 Tankless Electric Water Heater, showing a width of 10 7/8 inches, height of 5 7/8 inches, and depth of 2 3/4 inches.

## 7. WARRANTY AND SUPPORT

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The Rheem RTEX-06 Tankless Electric Water Heater is backed by a manufacturer's warranty. For specific warranty terms, conditions, and duration, please refer to the warranty card included with your product or visit the official Rheem website. For technical assistance, parts, or service inquiries, please contact Rheem customer support directly.

**Manufacturer:** Rheem

**Website:** [www.rheem.com](http://www.rheem.com)