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Rheem PROE6 1 RH MT

Rheem 6 Gallon Mini-Tank Electric Water Heater User Manual

Model: PROE6 1 RH MT

INTRODUCTION

This user manual provides detailed instructions for the safe and efficient installation, operation, and maintenance of your Rheem 6 Gallon Mini-Tank Electric Water Heater. Please read this manual thoroughly before attempting to install or operate the unit. Retain this manual for future reference.

The Rheem 6 Gallon Mini-Tank Electric Water Heater is designed to deliver hot water directly where needed, such as in a garage, outdoor kitchen, or recreational vehicle. This 6-gallon model operates on a 120-volt outlet and is equipped with a 15-amp plug.

IMPORTANT SAFETY INFORMATION

WARNING:

- Installation and service must be performed by a qualified installer or service agency.
- Failure to follow these instructions can result in property damage, serious injury, or death.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Ensure proper grounding of the unit.
- Always turn off power to the unit before performing any maintenance or service.

CAUTION:

- Water temperature over 125°F (52°C) can cause severe burns instantly or death from scalds.
- Read the instruction manual carefully before operating the water heater.

PRODUCT OVERVIEW

The Rheem 6 Gallon Mini-Tank Electric Water Heater is a compact, efficient solution for supplemental hot water. Key features include:

- 6-gallon capacity for point-of-use hot water.
- Adjustable temperature control ranging from 50°F to 140°F.
- Enameled glass-lined tank for enhanced durability and extended lifespan.
- Versatile mounting options: can be installed on the floor or wall (wall bracket included).
- Equipped with a 15-amp plug for connection to a standard 120-volt outlet.



Image 1: Front view of the Rheem 6 Gallon Mini-Tank Electric Water Heater. The unit is gray with a red Rheem logo and a

temperature control dial at the bottom front.



Image 2: Top view of the water heater, clearly labeling the 'Inlet' (blue dot) and 'Outlet' (red dot) connections for water lines.



Image 3: Back view of the water heater, illustrating the integrated mounting points and the power cord exiting from the bottom.

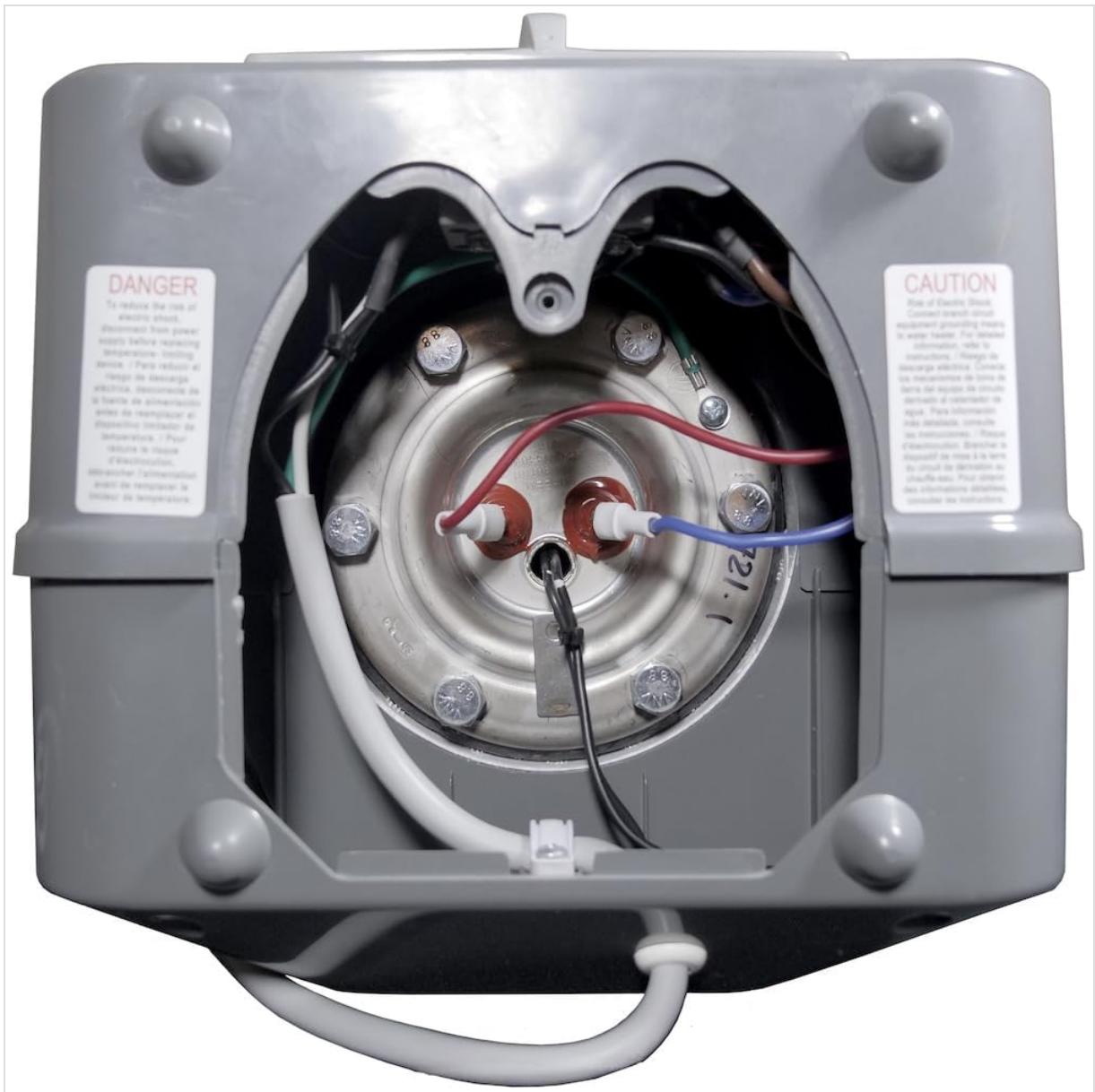


Image 4: Internal view of the water heater, showing the heating element and wiring connections. This area is typically accessed for maintenance or repair by qualified personnel.

SETUP AND INSTALLATION

Pre-Installation Checklist:

- Confirm your residence's electrical service meets the selected unit's requirements (120 Volts, 15 Amps).
- Check that the selected unit's hot water output can support your intended use (e.g., single faucet).
- Ensure the installation location provides required clearances for the unit.
- Verify all necessary plumbing connections and tools are available.



Image 5: A checklist for purchasing an electric water heater, emphasizing electrical service, hot water output, temperature delivery, and installation clearance.

Mounting Options:

The Rheem Mini-Tank Water Heater can be mounted on a wall or placed on the floor. A wall bracket is included for wall mounting.

- **Wall Mounting:** Secure the included wall bracket to a sturdy surface using appropriate fasteners. Ensure the wall can support the weight of the unit when full (approximately 77 lbs for the 6-gallon model).
- **Floor Mounting:** Place the unit on a level, stable surface.

Plumbing Connections:

1. Identify the cold water inlet (marked with a blue dot) and hot water outlet (marked with a red dot) on the top of the unit.
2. Connect the cold water supply line to the inlet.
3. Connect the hot water outlet to the fixture requiring hot water.
4. Install a Temperature and Pressure (T&P) relief valve (included) into the designated port. Ensure the discharge pipe from the T&P valve is routed to an open drain.
5. Open the cold water supply valve and allow the tank to fill completely. Open a hot water faucet at the fixture to purge air from the system until a steady stream of water flows.
6. Check all connections for leaks.

Electrical Connection:

1. Ensure the power supply is off at the circuit breaker before plugging in the unit.
2. Plug the 15-amp cord into a grounded 120-volt electrical outlet.
3. Turn on the power supply at the circuit breaker.



Image 6: An illustrative diagram showing the Rheem Mini-Tank connected to a temporary shower head, demonstrating a potential point-of-use installation. Note that additional components shown may need to be purchased separately.

OPERATING INSTRUCTIONS

Temperature Adjustment:

The water heater features an adjustable temperature control dial located on the front of the unit. The temperature range is from 50°F (10°C) to 140°F (60°C).

1. Ensure the unit is powered on. The "POWER" indicator light will illuminate.
2. Rotate the dial clockwise to increase the temperature and counter-clockwise to decrease it.
3. The "HEATING" indicator light will illuminate when the unit is actively heating water. It will turn off once the set temperature is reached.

WARNING:

Setting the temperature above 125°F (52°C) can cause severe burns. Exercise caution when setting higher temperatures, especially in households with children, elderly, or individuals with disabilities. Consider installing anti-scald devices at fixtures if higher temperatures are desired for other uses.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your water heater. Always disconnect power to the unit before performing any maintenance.

Draining the Tank:

If the unit will be unused for an extended period or if there is a risk of freezing, the tank should be drained.

1. Turn off the electrical power to the water heater at the circuit breaker.
2. Close the cold water supply valve to the unit.
3. Open a hot water faucet at a nearby fixture to relieve pressure.
4. Carefully open the T&P relief valve or connect a hose to the drain valve (if present) and route it to a suitable drain.
5. Allow all water to drain from the tank.
6. Once drained, close the T&P valve/drain valve and the hot water faucet.

Anode Rod Inspection:

The anode rod helps protect the tank from corrosion. It should be inspected annually and replaced if significantly depleted. This procedure should be performed by a qualified technician.

Cleaning:

Wipe the exterior of the unit with a damp cloth. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No hot water	No power to unit; Thermostat set too low; Heating element failure.	Check circuit breaker and power cord connection; Adjust thermostat to a higher setting; Contact qualified service technician.
Insufficient hot water	Thermostat set too low; Excessive hot water demand; Sediment buildup in tank.	Increase temperature setting; Reduce hot water usage; Drain and flush tank (refer to Maintenance section) or contact service technician.
Water too hot	Thermostat set too high.	Decrease temperature setting.
Leaking from T&P valve	Excessive pressure or temperature; Faulty T&P valve.	Check water pressure and temperature settings; Contact qualified service technician to inspect/replace valve.
Unusual noises (e.g., popping, rumbling)	Sediment buildup in tank.	Drain and flush tank (refer to Maintenance section) or contact service technician.

SPECIFICATIONS

Brand	Rheem
Model Number	PROE6 1 RH MT
Capacity	6 Gallon
Wattage	1.4 KW
Voltage	120 Volts
Maximum Temperature	140 Degrees Fahrenheit (60°C)
Maximum Operating Pressure	150 PSI
Mounting Type	Wall or Floor
Product Dimensions (L x W x H)	14.25 x 14 x 21 inches
Item Weight (Empty)	27.1 pounds
Included Components	T&P Valve, Wall Bracket
UPC	020352757070

WARRANTY AND SUPPORT

For specific warranty details, please refer to the warranty card included with your product or visit the official Rheem website. Keep your proof of purchase for warranty claims.

If you require technical assistance, service, or have questions not covered in this manual, please contact Rheem Customer Support. Contact information can typically be found on the Rheem website or on the product packaging.

Online Resources: For additional information, FAQs, and product registration, please visit the [Rheem official website](#).