

SAVE TODAY. SAVE TOMORROW.

A Quick Guide to Rheem Heat Pump Water Heaters





Advancements in technology have improved solutions for everyday needs. Water heating systems are no different. Rheem® ProTerra® Hybrid Electric Heat Pump Water Heaters are the most efficient water heaters available, offering low energy costs and quick payback on your investment. Homeowners no longer have to choose between sustainability goals and having enough hot water—you can do the right thing without giving up comfort. Plus, the hybrid electric heat pump is packed with advanced features like leak detection and prevention to protect your home.

Choosing Between Standard Water Heaters and HPWHs

Standard water heaters rely on continuous, energy-intensive heating using gas or electricity to maintain the tank's temperature. While affordable upfront, they ultimately consume more energy in the long run. Heat pump water heaters (HPWHs) use heat pump technology to draw heat from the surrounding air, making them far more energy efficient. They provide long-term savings and reduced energy usage by requiring less energy to operate. For example, the Rheem ProTerra Hybrid Electric Heat Pump uses less energy than a classic 100-watt incandescent light bulb, showcasing its efficiency.



What Is a Heat Pump Water Heater?

A heat pump water heater draws in ambient air and absorbs heat through a refrigerant in the evaporator and then transfers that heat to the water stored in the tank. The heated water is ready for use when needed, much like a standard water heater. HPWHs also include conventional electric heating elements to ensure a consistent supply of hot water during times of high demand, maintaining reliability and preventing interruptions.

Advantages of Heat Pump Water Heaters

ENHANCED EFFICIENCY

Standard tank water heaters consume more energy than a heat pump water heater. HPWHs use advanced technology to draw heat from the surrounding air. This significantly reduces energy consumption and lowers utility bills.



LOWER OPERATING COSTS

HPWHs operate more efficiently resulting in considerable savings for homeowners over time. Homeowners can save up to \$576 annually, or \$5,760 over 10 years, with the Rheem ProTerra Hybrid Electric Heat Pump.*



ECO-FRIENDLY DESIGN

By using ambient heat rather than electric or gas, HPWHs have a much smaller environmental impact. This eco-friendly approach contributes to reduced greenhouse gas emissions supporting sustainability efforts.



SMART FEATURES FOR MODERN HOMES

HPWHs often include smart controls and advanced monitoring systems allowing homeowners to optimize energy use and water heating schedules. Wi-Fi connectivity enables homeowners to monitor and adjust settings from their smartphones enhancing convenience and control.



RELIABLE HOT WATER SUPPLY

HPWHs maintain the reliability of standard systems ensuring consistent hot water availability. Backup heating elements ensure no interruption in hot water supply during high-demand periods.



*Based on estimated annual operating cost savings of the 40, 50, 65 and 80-gallon Hybrid Electric HPWH 30 Amp water heaters and standard electric water heaters of similar capacity. AOC varies by gallon capacity.

Is a Heat Pump Water Heater Right for You?

Things to Think About as a Homeowner

✓ EFFICIENCY MATTERS

Think of it like miles per gallon for your water heater. The higher the Uniform Energy Factor (UEF) rating, the more efficiently it converts energy into hot water. Most standard water heaters have a UEF between .59 and .93. Heat pump water heaters' UEF range from 3.0 to 4.07 saving you bucks on your bills every month.

✓ LOCATION, LOCATION, LOCATION

Hybrid HPWHs require 240V hardwired electric service, which means an electrical panel with an available 30AMP circuit (15AMP for plug in models). This may necessitate upgrading your electrical panel. The federal government offers a 25C tax credit of up to \$600 to help offset panel upgrade costs.

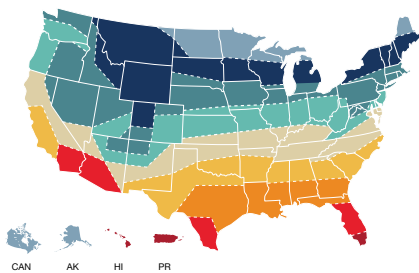
✓ COST AND ENERGY EFFICIENCY

HPWHs have higher upfront costs but offer long-term savings from reduced energy bills. HPWHs are up to four times the efficiency of a standard model. A UEF rating comparison shows the Rheem Hybrid Electric HPWH with 3.88 versus a standard electric tank with 0.93.

GIVE YOURSELF SOME CREDIT

- ✓ Rebates, tax credits and utility incentives can help offset installation expenses including up to a \$2,000 federal tax credit for installing an HPWH.

Hybrid Electric Heat Pump Water Heaters - Sizing by Map Zones



Number of Showers per Gallon Size

| Gallon Capacity | Zone 1 37°F/ 3°C | Zone 2 42°F/ 5°C | Zone 3 47°F/ 8°C | Zone 4 52°F/ 11°C | Zone 5 57°F/ 14°C | Zone 6 62°F/ 17°C | Zone 7 67°F/ 20°C | Zone 8 72°F/ 22°C | Zone 9 77°F/ 28°C |
|----------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 30 AMP Models | | | | | | | | | |
| 40 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 |
| 50 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 7 |
| 65 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 8 |
| 80 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 8 |
| 15 AMP Models | | | | | | | | | |
| 40 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 |
| 50 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 65 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 |
| 80 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 |

Number of showers shown is calculated at 8-minute with a flow rate of 2 gallons per minute

This Hybrid Electric Heat Pump Water Heater sizing table provides a suggested water heater gallon capacity based on the installation zone and household back-to-back shower requirements. Data provided is for set temp of 125°F in Energy Saver Mode. Always consult your local plumbing contractor to determine the optimal water heater for your household needs.

- 1 Select the geographic zone where you live.
- 2 Determine the number of back-to-back showers required for your household.
- 3 Select the gallon size of your Hybrid Electric Heat Pump Water Heater from the table below matching your zone with the number of back-to-back showers required for your household.

What People Are Saying:

Actual
Customer
Reviews

Customers rave about their Rheem Heat Pump Water Heaters:

“I installed this hybrid heater last month and already see a drop in my electric bill, with it only in place for about half the billing period.”

“Since installing this Rheem 65 gal water heater, not only do we never run out of hot water - our electric bill has dropped by one-third.”

Why Heat Pump Water Heaters Are Gaining Steam



Water heating accounts for up to **18% of a home's energy usage.**



Energy consumption impacts the environment driving interest in energy-efficient alternatives like heat pump water heaters.

The average family of 4 uses roughly **60 gallons** of hot water a day.



Federal and local incentives can significantly offset initial installation costs.

Heat pump water heaters operate using less energy than a **100-watt** incandescent light bulb.



Upgrade to a Rheem Heat Pump Water Heater to experience dependable hot water, unmatched efficiency and long-term savings. It's a smart choice for your home and the environment.

Rheem's Hottest HPWH Models



PROTERRA HYBRID ELECTRIC

The Rheem® ProTerra® Hybrid Electric Water Heater draws heat from the air around it to deliver unmatched savings and efficiency. It is the smart and efficient choice for homes with electrical capacity for a HPWH.

- Available in 4 sizes ranging from 40 to 80 gallons
- 5 operating modes to maximize efficiency while meeting hot water demand
- Save up to \$576 per year in energy costs—that's almost \$5,760 over 10 years¹
- The most efficient water heater on the market with up to a 4.07 UEF



PROTERRA PLUG-IN

The Rheem ProTerra® Plug-in Heat Pump Water Heater is not a hybrid heat pump water heater, meaning it stays in heat pump mode all the time. It is ideal for homes in warmer climates and those with a lower hot water demand. It does not require a 240V connection, but does use a dedicated 15 Amp circuit.

- Standard footprint with 120V, 15 Amp dedicated-circuit plug-in design that requires little to no electrical work
- Save up to 55% per year in energy costs²
- The industry's largest compressor enables the ProTerra Plug-in to quickly recover when hot water is used



PROTERRA PLUG-IN WITH HYDROBOOST

The Rheem ProTerra® Plug-in is similar to the Proterra Plug-in, but it does not require a dedicated circuit and includes a HydroBoost mixing valve to maximize hot water output.

- Standard footprint with 120V, 15 Amp shared-circuit plug-in design that requires no electrical work
- Save up to 55% per year in energy costs²
- Delivers up to 5X the efficiency of a gas water heater
- Built-in HydroBoost mixing valve extends the tank's hot water, maximizing output

¹Based on estimated annual operating cost savings of the 40, 50, 65 and 80-gallon Hybrid Electric HPWH 30 Amp water heaters and standard electric water heaters of similar capacity. AOC varies by gallon capacity. ²Based on estimated annual operating cost savings of the 40-, 50-, 65- and 80-gallon models.



Turn Up The Heat and Make the Switch!

Learn more at [Rheem.com/HeatPumpWaterHeaters](https://www.Rheem.com/HeatPumpWaterHeaters)