

Rheem Prestige™ Series Hybrid Heat Pump Product Summary

Superb engineering, coupled with decades of **water heating expertise**, have produced an integrated heat pump water heater that has over **twice the efficiency** of standard electric water heaters. Its **narrow 21" diameter** fits through access doors, unlike some hybrid products.

The Rheem Prestige™ Hybrid Heat Pump Series offers **exceptional energy efficiency, performance, reliability** and **easy installation** – making it one of the best water heating solutions on the market today.

- High 2.45 EF reduces operating cost \$329 annually compared to a standard 50-gallon electric model
- 8700 Btu/h compressor is the most powerful in its class – more heat can be created by the heat pump and less by traditional electric elements. This translates into significant fuel savings in real-life applications

OUR MOST
ADVANCED
**ENERGY
EFFICIENT**
ELECTRIC
WATER HEATER

PRESTIGE
HYBRID
SPECS
AT A
GLANCE

EF: 2.45

Compressor: 8700 Btu/h

FHR: 57 Gallons

Capacity: 50-Gallon

Height: 75 ½"

Diameter: 21"

Unit Weight: 180 lbs.

Ship weight: 226 lbs.

Annual cost to operate: \$191

EcoNet™: Compatible for future integration, updates and features

Why Rheem?

Rheem helps you give your customers the **value**, **performance** and **features** they want. From our tried and true tank-type water heaters to our space-saving tankless solutions that provide continuous hot water, Rheem has something to **satisfy the budgets** and **lifestyles** of every customer.

In addition to our large selection of **water heating solutions**, Rheem also has a full line of **heating** and **cooling** products for warm winter nights, cool summer days and hot water all year round.



To learn more visit us online at
Rheem.com or call 1.800.621.5622

*In keeping with its policy of continuous progress and product improvement,
Rheem reserves the right to make changes without notice.*



The new degree of comfort.™

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Selling Guide
Water Heaters | Hybrid Heat Pump



The new degree of comfort.™

EFFICIENCY GENERATION

**RHEEM PRESTIGE™ SERIES
HYBRID HEAT PUMP WATER HEATER**



INTEGRATED AIR & WATER



Water | Residential Electric | Hybrid Heat Pump

HYBRID HEAT PUMP SELLING POINTS

Here's what makes the Rheem Prestige™ Hybrid Heat Pump, our most advanced energy-efficient electric water heater, the perfect solution for you and your customer:

Superior Energy Efficiency

2.45 EF – Highest efficiency in its class!

- **Contractor Benefit:** Lower operating cost makes it easier to sell.
- **Homeowner Benefit:** Significantly lowers homeowner's energy bill.

8700 Btu/h Compressor

Most powerful compressor in its class and highest Btu. Heats water much faster in HP-only mode with less use of electric elements.

- **Contractor Benefit:** Increased reliability, built to work longer and harder.
- **Homeowner Benefit:** Greater energy efficiency in real-life applications resulting in lower energy costs.

Intuitive, Full-Color, Back Lit LCD Display

Intuitive operation and the only full-color, back lit, touch screen that can be operated in a dark basement or attic.

- **Contractor Benefit:** Speeds installation and maintenance, intuitive diagnostics, scrollable history and alarms (system alerts).
- **Homeowner Benefit:** Easy-to-adjust water temperatures and five operating modes for top efficiency and comfort.

Sleek, Contemporary Design

Elegant, high tech design instills confidence.

- **Contractor Benefit:** Easier to upsell an attractive water heater resulting in more sales.
- **Homeowner Benefit:** Homeowner product satisfaction is increased.

Narrow 21 Inch Diameter

Easy installation in tight spots.

- **Contractor Benefit:** Fits through tight access doors for more application flexibility.
- **Homeowner Benefit:** Takes up less floor space.

Ambient Temperature Operating Range: 37-120 Degrees

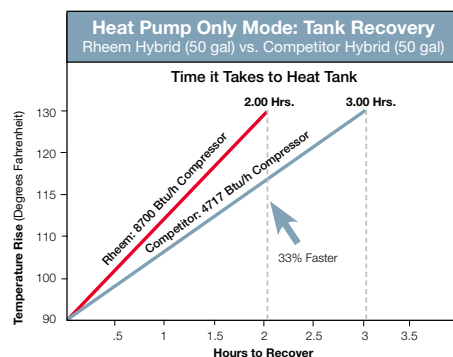
Widest operating temperature range in its class and able to operate in lower temperatures (cooler climates).

- **Contractor Benefit:** Can be installed in more geographic areas and designed to meet Northern climate specs (Tier 1).
- **Homeowner Benefit:** Lowers energy costs by operating Heat Pump more days per year.

Rheem Prestige™ Series Hybrid Heat Pump Heats Tank 33% Faster!

Heat Pump Only Test

This test illustrates the true value of an 8700 Btu/h heat pump compressor. The three hour temperature rise test is closer to a real-life example on how the Rheem Hybrid reduces fuel costs and speeds hot water recovery.



LEED Points = 3

Specifications

DESCRIPTION				DIMENSIONS (SHOWN IN INCHES)			ENERGY INFO.		
GAL. CAP.	MODEL NUMBER	FIRST HR. RATING GPH	RECOVERY G.P.H. @ 90°F RISE	HEIGHT	DIAM.	UNIT WEIGHT (LBS)	APPROX. SHIP WT. (LBS)	ENERGY SAVER	AVG. ANN. OPER. COST
50	HB50RH	57	21	75-1/2	21	180	226	2.45 EF	\$191

Modes 2-5



HP Only Mode:
Provides highest energy efficiency when hot water demands are low



High Demand Mode:
Right selection for very high demand (simultaneous operation of multiple hot water fixtures)



Electric Heat Mode:
Operates like a standard electric water heater; no heat pump



Vacation Mode:
Can be set from 2 to 28 days (82°) or placed on "hold" indefinitely

Settings



- Select scale: Fahrenheit or Celsius
- Lock or unlock the home screen; Setting screen remains unlocked
- Enable/disable beeping alarm

Service



Current status of HB50 hybrid water heater



Displays model & serial nos., SW version; change network instance or run a test



Shows temperatures in tank, ambient air, suction, evaporator and discharge



Displays current alarms and past alarms; ability to clear all alarms

Enabled



Press to toggle between Enabled & Standby

- Enabled: heats water
- Standby: doesn't heat water

Note: "Modes" can't be selected when unit is in "Standby"

Full-Color LCD Display



Start Up Screen

Press "Standby" to start



Energy Saver Mode 1

Best energy efficiency for typical hot water demands

Home Screen

Factory set to default to the "Energy Saver" mode screen

