

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

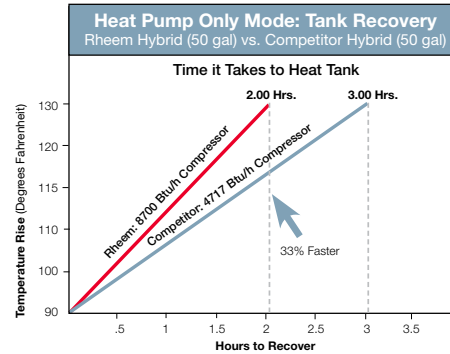
Widest operating temperature range in its class and able to operate in lower temperatures (cooler climates).

- 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.



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

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

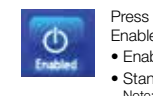


Shows temperatures in tank, ambient air, suction, evaporator and discharge



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"

