

# RUUD ULTRA™ SERIES HYBRID HEAT PUMP

## WHY RUUD?

### 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 Ruud Ultra™ 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.

OUR MOST  
ADVANCED  
ENERGY  
EFFICIENT  
ELECTRIC  
WATER HEATER

- 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

**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

ULTRA  
HYBRID  
SPECS  
AT A  
GLANCE

Ruud 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, Ruud has something to **satisfy the budgets** and **lifestyles** of every customer.

Over the last 100 years, we've made a habit of delivering reliable water heating products. No matter how advanced our engineering has become, we'll always "make them like we used to." With Ruud, you get a history of doing things right and our word that you can **Rely on Ruud.™**

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



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SELLING GUIDE  
WATER HEATER | HYBRID HEAT PUMP



# EFFICIENCY GENERATION



RUUD ULTRA™  
SERIES HYBRID  
HEAT PUMP  
WATER HEATER



RELY ON RUUD™

RELY ON RUUD™

RUUD.COM

RELY ON RUUD™

## HYBRID HEAT PUMP SELLING POINTS

Here's what makes the Ruud Ultra™ 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

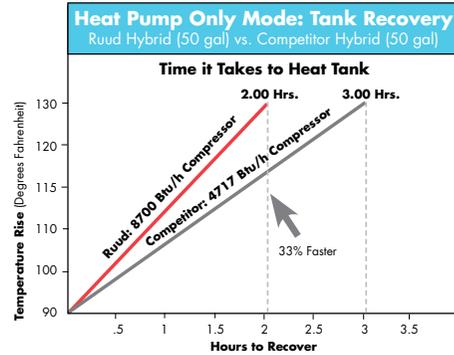
Widest operating temperature range in its class and able to operate in lower temperatures (cooler climates).

- **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.

## RUUD ULTRA™ 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 Ruud 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	HB50RU	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

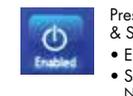


Shows temperatures in tank, ambient air, suction, evaporator and discharge



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"

