

SMART HYBRID ELECTRIC SPLIT SYSTEM HEAT PUMP WATER HEATERS

Heat Pump efficiency in small space and cold weather applications.

The split system design allows the heat pump and storage tank to be installed in a wide range of space constrained locations. CO₂ refrigerant allows the unit to work in colder temperatures compared to a standard heat pump water heater and provide annual savings up to \$600.*

*Comparing 80-gallon split-system heat pump against pre-2015 similarly-sized standard electric using DOE EF to UEF conversion rates and \$0.14 per kWh electricity cost. Savings may vary.



■ How Does It Work?

- Self-contained heat pump is installed outside
- Up to 66 feet of provided 1/2 inch water line is piped to storage tank installed inside
- Storage tanks are available in 50-, 66-, and 80-gallon sizes nominal capacity
- Ideal for closet, garage, utility room, or basement installation

■ 10-Year Limited Tank and Parts Warranty

■ Heat Pump can operate in temperatures from -25°F to 109°F

■ Exceptional Energy Efficiency

- Improved efficiency up to 3.80 Uniform Energy Factor (UEF) can reduce the cost of water heating by up to 76% compared to standard electric water heaters*
- ENERGY STAR® certified for many state and local utility rebates

■ Sustainable refrigeration

- Utilizes CO₂ refrigerant for a smaller carbon footprint
- 99.9% lower global warming potential than the standard refrigerant used in other residential heat pump water heaters

■ Advanced Protection Technology

- Smart sensor leak detection provides early warning and damage prevention
- Built-in freeze defense through heat pump circulation; optional Anti-Freeze Valve Kit available for additional protection during power outages
- Compatible with the automatic water shutoff valve for enhanced protection

**MORE
FEATURES
ON BACK**

FEATURES (continued from front)

■ Easy-To-Use Electronic Display

- User friendly, easy to read eye-level display
- Display communicates mode, set point, and displays service messages when applicable
- Three operating modes help optimize savings and hot water delivery: Heat Pump, Vacation, Guest

■ Smart Connectivity

- Monitor and control your water heater through the free iCOMM™ App
- Connect through a local Wi-Fi network or directly to the water heater through Bluetooth
- If applicable, download the Time of Use (TOU) schedule of your local electric utility to prioritize heating when the rates are the most affordable
- Receive alerts and notifications

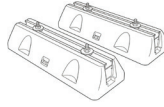
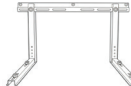
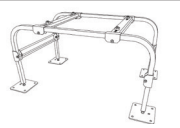
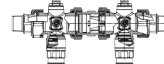
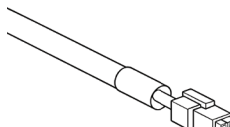
■ Operating Requirements

- 208/240 VAC 60Hz single phase 20 amp power supply required for Heat Pump
- 120 VAC 60Hz single phase 15 amp shared circuit required for Storage Tank

■ Other Features

- Outdoor rated communication cable standard
- Environmentally-friendly, non-CFC foam insulation
- Durable, enhanced-flow brass drain valve

ACCESSORY LIST

MODEL NUMBER	DESCRIPTION	IMAGE
100400748	Plastic Equipment Pad 18" x 38" x 3"	
100400749	Mounting Struts 17.7"	
100400750	Mounting Wall Bracket with Rail, Steel	
100400761	Mounting Roof Bracket	
100400762	Mounting Stand Aluminum 18"	
100394673	Anti-Freeze Valve	
100398146 100393414 100393415 100388438 100398147 100398262	RS485 Cable - 6' RS485 Cable - 20' RS485 Cable - 45' RS485 Cable - 70' RS485 Cable - 80' RS485 Cable - 100'	

A SYSTEM IS A COMBINATION OF HEAT PUMP AND A TANK REQUIRING TWO MODEL NUMBERS

Product Type	Model Number	Wattage	Height (Inches)	Width (Inches)	Depth (Inches)	Weight (Pounds)	Warranty (Years)
HEAT PUMP							
Heat Pump	RHPCO-45	4.5kw	26 1/2	35	14 1/2	114	10

Product Type	Model Number	Capacity (Gallons)	First Hour Delivery (Gallons)	Uniform Energy Factor	Height (Inches)	Width (Inches)	Weight (Pounds)	Warranty (Years)
TANK								
Tall	RXST-80	73	95	3.80	60 1/4	24	179	10
Tall	RXST-66	60	82	3.70	60 1/4	22	134	10
Tall	RXST-50T	45	67	3.52	58	20	115	10
Short	RXST-50S	46	70	3.52	48 7/8	22	119	10
Lowboy**	RXST-50LB G	48	72	3.55	35 7/8	26 1/2	158	10

*Comparing 80-gallon split-system heat pump against pre-2015 similarly-sized standard electric using DOE EF to UEF conversion rates and \$.014 per kWh electricity cost. Savings may vary.

**Only available in top T&P

Reliance® Water Heater Company reserves the right to make product changes or improvements without prior notice. Dimensions in all charts shown in inches. Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement. Some models may not be available in all markets.



Reliance® Water Heaters

RELIANCE® WATER HEATERS

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