Rinnai®

REHP Series

ELECTRIC HEAT PUMP WATER HEATER



CERTIFIED TO NEEA TIER 4

RESIDENTIAL HYBRID ELECTRIC HEAT PUMP WATER HEATER	
Model Numbers	**50 Gal Models:** REHP50W, REHP50CW **65 Gal Models:** REHP65W, REHP65CW **80 Gal Models:** REHP80W, REHP80CW
Efficiency & Performance	• Exceptional efficiency up to 4.0 UEF (Uniform Energy Factor) reduces operating cost • Up to 91 Gallons FHR (First Hour Rating) • Heat pump operating range down to 37°F ambient for extra days of efficient operation • ENERGY STAR ® rated for state and local rebates • Modulating fan allows noise free tranquility • Ultra-quiet performance at 49 dBA • Built-in Wi-Fi lets you connect to & control your water heater using the Rinnai Central™ app
Easy Installation	• Choice of top or side water connections with condensate connection on side • Horizontal air filter placement for quick maintenance • Zero clearance install with top air inlet and exhaust
Operation Modes	• Economy (Default) • Heat Pump • Hybrid • E-Heater • Vacation
Certifications	• Energy Star • AHRI • NEEA Tier 4 • CTA-2045-B Level 2 (AC form factor) • JA13
Warranty	• 10-Year limited warranty for tank and parts. Refer to warranty section in manual for more details.
Additional	• Intuitive LED screen for easy installation and troubleshooting • Premium anode rod extends the life of the water heater • Dry-fire protection • Factory-installed temperature and pressure relief valve • 3/4" NPT for water inlet and outlet • Integrated ducting adapters for tighter spaces (sold separately) • Easy to install with built-in handles • Plastic feet to prevent direct ground contact

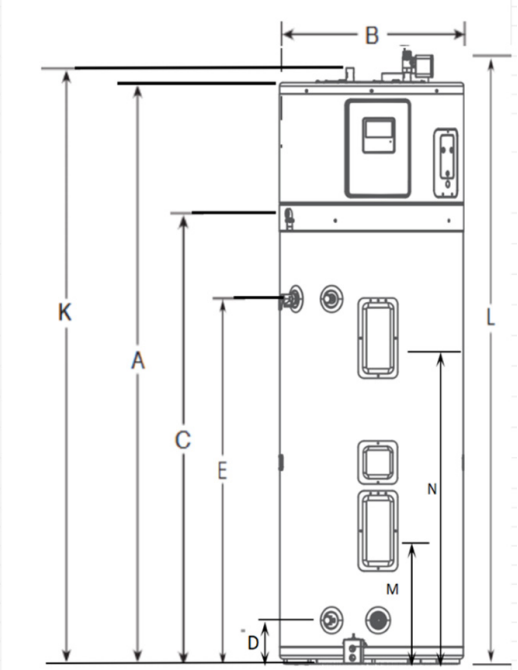
TECHNICAL SPECIFICATIONS

Model		50 Gal Models	65 Gal Models	80 Gal Models
Nominal Gallon Capacity		50 gal	65 gal	80 gal
Rated Gallon Capacity		46 gal	61 gal	75 gal
Voltage		208V/240V, 60Hz, 1 PH		
Maximum Current		21.5 Amps		
Electrical Breaker Size		30 Amps		
Sound Level		49 dBA		
Heat Pump Operating Ambient Temperature Range		37~108°F (3~42°C)		
Outlet Water Temperature Range		110°F~150°F (43°C~66°C)		
Refrigerant Type		R134a		
Uniform Energy Factor (UEF)		3.75	4.00	4.00
First Hour Rating (FHR)		71 gal	80 gal	91 gal
Recovery in G.P.H 90°F Rise		27.5	27.5	27.5
Estimated Yearly Energy Cost [1]		$121	$174	$174
Element Wattage	Upper / Lower	4500 W		
Compressor Wattage		500 W		
Total Unit Wattage (Input)		5000 W		
Hot and Cold Water Connection		3/4 in MNPT		
Condensate Drain Hose		3/4 in		
Unit Weight (Approximate)		222 lb (101 kg)	271 lb (123 kg)	297 (135 kg)
Shipping Weight (Approximate)		269 lb (122 kg)	334 lb (152 kg)	358 lb (162 kg)
Shipping Dimensions	Height	74.8 in (1.900 mm)	75.6 in (1.920 mm)	83.1 in (2.111 mm)
	Length	28.3 in (719 mm)	30.1 in (765 mm)	30.3 in (770 mm)
	Width	27.2 in (691 mm)	28.9 in (734 mm)	29.1 in (739 mm)
Warranty		Tank & Other Parts: 10 Years. Reasonable Labor: 1 Year. See the "Rinnai Electric Heat Pump Water Heater Manual" for complete details.		

[1] The estimated yearly energy cost is calculated based on energy costs published by the U.S. Department of Energy in 2022.

UNIT DIMENSIONS

Dimensions	Model	50 Gal Models	65 Gal Models	80 Gal Models
	A	66.8 in	65.85 in	74.61 in
	B	21.9 in	25.7 in	25.7 in
	C	49.8 in	48.74 in	57.57 in
	D	5.2 in	5.6 in	5.6 in
	E	39.5 in	37.8 in	46.5 in
	K	68.1 in	67.2 in	76 in
	L	70 in	69.1 in	77.87 in
	M	14.2 in	14.6 in	14.6 in
	N	32.9 in	28.4 in	39.1 in



Rinnai America Corporation • 103 International Drive, Peachtree City, GA 30269
1-800-621-9419 • rinnai.us • rinnai.ca
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