



REHP Series

ELECTRIC HEAT PUMP WATER HEATER



RESIDENTIAL HYBRID ELECTRIC HEAT PUMP WATER HEATER

Efficiency & Performance	<ul style="list-style-type: none">• 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
Easy Installation	<ul style="list-style-type: none">• Easy access to water supply and condensate connection on side.• Zero clearance required on back, top and side is optimal for confined spaces• Horizontal air filter placement for quick maintenance
Operation Modes	<ul style="list-style-type: none">• Economy (Default)• Heat Pump• Hybrid• E-Heater• Vacation
Certifications	<ul style="list-style-type: none">• Energy Star• AHRI• NEEA Tier 4• CTA-2045 (AC)
Warranty	<ul style="list-style-type: none">• 10-Year limited warranty for tank and parts. Refer warranty section in the manual for more details.
Additional	<ul style="list-style-type: none">• 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; condensate drain with burb fitting for 3/4" hose• Integrated ducting adapters for tighter spaces (sold separately)



CERTIFIED TO NEEA TIER 4

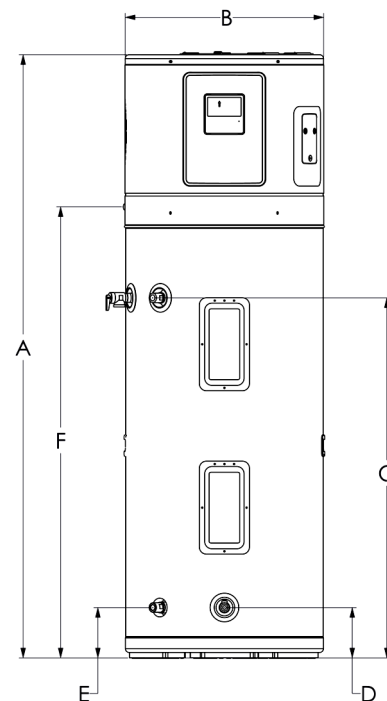
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TECHNICAL SPECIFICATIONS

Model		50 G Models	80 G Models
Nominal Gallon Capacity		50 gal (189 lt)	80 gal (303 lt)
Rated Gallon Capacity		46 gal (174 lt)	74 gal (280 lt)
Voltage		208V/240V, 60Hz, 1PH	
Maximum Current		21 Amps	
Electrical Breaker Size		30 Amps	
Heat Pump Operating Ambient Temperature Range		37~107°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
First Hour Rating (FHR)		73 gal (276 lt)	91 gal (344 lt)
Recovery in G.P.H 90°F Rise		27.5	27.5
Est. Yearly Energy Cost		\$121	\$174
Element Wattage	Upper	4500 W	
	Lower		
Compressor Wattage		500 W	
Total Unit Wattage (Input)		5000 W	
Hot and Cold Water Connection		3/4 in NPT	
Condensate Drain Hose		3/4 in	
Approx. Unit Weight		218 lb (99 kg)	290 (132 kg)
Approx. Shipping Weight		265 lb (120 kg)	358 lb (162 kg)
Shipping Dimensions	Height	74.8 in (1900 mm)	83.1 in (2111 mm)
	Length	28.3 in (719 mm)	30.3 in (770 mm)
	Width	27.2 in (691 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 (100000867)" for Complete Details	

UNIT DIMENSIONS

Dimensions	F	49.5 in (1257 mm)	57.8 in (1468 mm)
	E	5.6 in (141 mm)	5.6 in (141 mm)
	D	5.2 in (131 mm)	5.6 in (141 mm)
	C	39.7 in (1008 mm)	46.6 in (1184 mm)
	B	21.7 in (551 mm)	25.6 in (650 mm)
	A	66.4 in (1687 mm)	74.2 in (1885 mm)
Description	Model Number	50G Models	80G Models
	Rated Gallon Capacity	46	74



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