



W Series Water-to-Water Heat Pump



- Geothermal radiant in-floor heating
- Desuperheater for domestic hot water
- COPh up to 3.9
- Hot water temperatures up to 120°F
- Suitable for whole home applications

- R-454b: a low Global Warming Potential refrigerant
- Suitable for open or closed loops
- Designed and built in Canada
- ENERGY STAR® Certified

W Series

Features & Benefits

Size - Sizes from 25 (4.8kW) through 80 (16kW).

Built-in Refrigerant Detection System - Optimized for safety of R454b, an **A2L** refrigerant.

Gen2 Board - Includes built-in aquastat functionality, BACnet MS/TP, data logging, electronic readout of refrigerant pressures and water in/out temperatures.

Part-Load Compressor - Copeland high efficiency two-stage scroll, with double isolation for quiet operation.

Domestic Hot Water Generation - Double wall heat exchanger and stainless steel ECM circulator factory installed on all sizes.

Start Capacitor Kit - Standard on all units to maximize compressor longevity.

Electronic Expansion Valve (EEV) - For precise refrigerant control.

Accumulator - Protects compressor against liquid slugging.

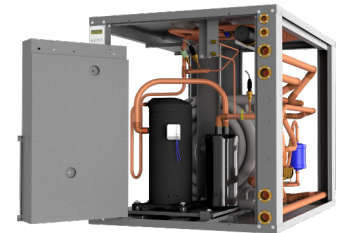
Service Ports - High and low service ports for quick connection to manifold gauge.

Coaxial Heat Exchangers - Enhanced surface and heavy duty for efficiency and reliability (CuNi available).

Heavy-Duty Cabinet - Satin galvanized with powder coat finish. Acoustically insulated for quiet operation.

Ease of Service - Four removable side panels, electrical box swings out for unobstructed service.

Loop or Well - All sizes pre-wired for operation on a closed loop or a water well.



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Performance Ratings

Standard Capacity Ratings for Open Loop (60Hz)

Rating Conditions	Model	Flow (GPM)	Heating Capacity (Btu/hr)	Input Energy (Watts)	COP _h (Heating)	Cooling Capacity (Btu/hr)	Input Energy (Watts)	COP _c (Cooling)	EER
Open Loop Heating EWT 104°F Cooling EWT 54°F	25	8.0	22,300	1,685	3.88	22,000	1,043	6.18	21.1
	45	10.0	33,100	2,436	3.98	34,300	1,575	6.01	20.1
	55	12.0	44,400	3,445	3.78	44,100	2,058	6.04	20.2
	65	14.0	54,200	4,206	3.78	53,400	2,561	5.95	20.1
	75	16.0	63,700	4,691	3.98	65,100	2,930	5.92	20.2
	80*	17.0	74,000	5,731	3.78	67,400	3,457	5.71	19.5

W-80 is not ENERGY STAR® certified

Standard Capacity Ratings for Closed Loop (60Hz)

Rating Conditions	Model	Flow (GPM)	Heating Capacity (Btu/hr)	Input Energy (Watts)	COP _h (Heating)	Cooling Capacity (Btu/hr)	Input Energy (Watts)	COP _c (Cooling)	EER
Closed Loop Heating EWT 104°F Cooling EWT 54°F	25	8.0	16,300	1,566	3.05	20,200	1,403	4.22	14.4
	45	10.0	26,400	2,303	3.12	29,800	2,021	4.25	14.2
	55	12.0	37,600	3,140	3.13	39,700	2,604	4.37	15.1
	65	14.0	46,200	3,867	3.12	49,100	3,202	4.37	15.0
	75	16.0	53,400	4,450	3.13	59,400	3,634	4.34	15.0
	80*	17.0	54,300	5,310	3.00	62,300	4,272	4.27	14.6

W-80 is not ENERGY STAR® certified