



WP Series Water-to-Water Pool Heat Pump



- Energy efficient geothermal heating for outdoor pools, hot tubs or spas
- Available up to 76,000 Btu/hr
- COPh up to 4.4
- Hot water temperatures up to 105°F (41°F)
- Single stage compressor
- Titanium/PVC pool water coil
- R-454b: a low Global Warming Potential refrigerant
- Designed and built in Canada



WP Series

Features & Benefits

Distribution Type - Will heat any pool water including chlorinated or salt water, ability to heat up to 105°F (41°C), suitable for a hot tubs or spas.

Size - Sizes from 45 (10.1 kW) to 80 (22.4 kW)

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.

Compressor - Single stage scroll, with double isolation for quiet operation.

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

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

Heat Exchanger - Titanium/PVC coaxial pool water heat exchanger, corrosion resistance superior to copper or CuNi, suitable for salt or chlorinated water.

Accumulator - Protects compressor against liquid slugging.

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

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

Doors - All 4 side panels can be removed, electrical box swings out for unobstructed 4-side servicing.

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



Performance Ratings

Standard Capacity Ratings (60Hz)

Rating Conditions	Model	Loop Flow		Indoor Pool Pressure Drop		Pool Water Loop Flow		Input Energy Watts	Capacity		COPh
		GPM	L/s	psi	kPa	GPM	L/s		Btu/hr	kW	
Pool Water LWT 80°F (27°C) Source Loop ELT 50°F (10°C)	45	8	0.50	1.6	11	21	1.3	1758	34,300	10.1	5.7
	55	10	0.63	2.6	18	28	1.8	2503	46,100	13.5	5.4
	65	12	0.76	3.8	26	35	2.2	3066	56,300	16.5	5.4
	75	14	0.88	4.7	32	40	2.5	3605	67,000	19.6	5.4
	80	16	1.0	5.8	40	45	2.8	4176	76,600	22.4	5.4



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