



PC Series Indoor Pool Conditioner



- Energy efficient pool room dehumidification
- Heat recovery to pool water, room air, or optional outdoor condenser unit
- Heats up 1,350 sq. ft. of pool surface area
- E-coated air coils for corrosion protection
- Titanium/PVC pool water heat exchangers for corrosion resistance
- Designed and built in Canada

PC Series

Features & Benefits

Distribution type - A high efficiency pool room dehumidifier that **cools and dehumidifies pool room air**. Heat recovery to pool water, room air, or heat rejection to optional outdoor condenser.

Size - Sizes from 45 (13.5 kW) to 80 (30.3 kW)

Indoor Unit - A 32" x 60" footprint with options of top, bottom or side discharge upon ordering.

Optional Outdoor Unit - To enable air cooling when pool and room are already heated to desired setpoints.

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

Gen2 Electronic Control Board - With built-in digital user interface. Includes data logging, laptop USB connection, and BACnet interface.

Heat Exchanger - Titanium/PVC coaxial pool water heat exchanger, corrosion resistance superior to copper or CuNi

Compressor - Scroll compressor with start capacitor on single phase models, dual grommet-mounted for reduced noise.

Blower - Galvanized, full size ECM blower for constant airflow regardless of external static pressure.

Suction Accumulator - Protects compressor from liquid slugging.

Two 4-Way Reversing Valves - For refrigerant routing.

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

Cabinet - Acoustically insulated satin galvanized with powder coat finish for corrosion resistance.

Service Access - Four access panels for service ease.

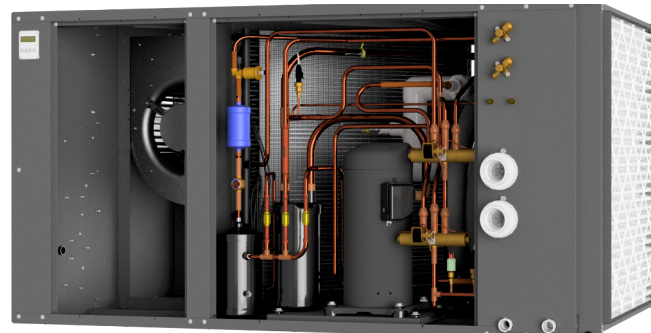
Thermostat - Communicating air thermostat with temperature and humidity, wiring included.

Onboard Water Temperature Control - No external sensor or aquastat required.

Plenum Heater - Available from 5 kW - 20kW.



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*Product not to scale

PC Series Standard Capacity Ratings (60Hz)

Rating Conditions	Model	Loop Flow		Airflow		Input Energy	Capacity		Moisture Removal @ 50% RH		Moisture Removal @ 60% RH		Typical Pool Surface Area	
		GPM	L/s	CFM	L/s		Btu/hr	kW	lb(kg)	hr	lb(kg)	hr	ft ²	m ²
EWT 80°F (27 °C) EAT 82°F (28 °C)	45	21	1.3	1150	540	2020	46,000	13.5	14	6.4	18	8.2	600	56
	55	28	1.8	1500	710	3000	64,000	18.8	19	8.6	23	10	800	74
	65	35	2.2	1900	900	4050	77,000	22.6	24	11	30	14	1050	98
	75	40	2.5	2200	1040	4570	87,000	25.5	28	13	33	15	1200	110
	80	45	2.8	2300	1085	5790	103,300	30.3	32	14	38	17	1350	130