



PC Series Indoor Pool Conditioner



- Energy efficient pool room dehumidification
- Air and pool heat recovery
- Available up to 6.5 tons
- Optional outdoor condenser for air conditioning
- E-coated air coils for corrosion protection
- Titanium/PVC water heat exchangers



PC Series

Our indoor pool conditioner is a high efficiency pool room dehumidifier that cools and dehumidifies the pool room air. This system will circulate the heat either back into the airstream, to heat the pool, or reject it to the optional outdoor condenser. Size availability ranges from 3 to 6.5 nominal tons.

Certification



Features & Benefits

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 is already heated to desired setpoint.

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

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.

Suction Accumulator - Protects compressor from liquid slugging.

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

Two 4-Way Reversing Valves - For refrigerant routing.

Electronic Expansion Valves (EEV's) - 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.

Available Sizes - 3 - 6.5 nominal tons

Distribution Type - Air re-heating and cooling, dehumidification, pool water heating.

Plenum Heater - Available from 5 kW - 20kW.



PC Series Standard Capacity Ratings (60Hz)

Rating Conditions	Model	Tons	Loop Flow		Indoor Pool Pressure Drop psi (kPa)	Airflow CFM (L/s)	Input Energy Watts	Capacity Btu/hr (kW)	Moisture Removal @ 50% RH lb(kg)/hr	Moisture Removal @ 60% RH lb(kg)/hr	Typical Pool Surface Area ft ² (m ²)
			GPM	L/s							
EWT 80°F (27 °C)	45	3	21	1.3	1.6 (11)	1200 (570)	2020	46,000 (13.5)	14 (6)	18 (8)	600 (56)
	55	4	28	1.8	2.6 (18)	1500 (710)	3000	64,000 (18.8)	19 (9)	23 (10)	800 (74)
EAT 82°F (28 °C)	65	5	35	2.2	3.8 (26)	1900 (900)	4050	77,000 (22.6)	24 (11)	30 (14)	1050 (98)
	75	6	40	2.5	4.7 (32)	2100 (990)	4570	87,000 (25.5)	28 (13)	33 (15)	1200 (110)
	80	6.5	45	2.8	5.8 (40)	2400 (1130)	5790	103,300 (30.3)	32 (14.5)	38 (17)	1350 (130)