

A large, white, rectangular industrial unit, the PoolPak PPK Series, is shown in the lower right portion of the image. It has multiple doors with handles and the "PoolPak" logo on its side. The unit is positioned in front of a large, outdoor swimming pool with several lanes marked by blue and orange lane lines. The pool is surrounded by a concrete deck and blue support pillars.

# PoolPak® PPK Series

The PPK is the next generation for large swimming pool room dehumidification. Featuring a fluid-cooled mechanical refrigeration system at its center, the PPK provides exceptional value delivering unparalleled, consistent environment control at competitive pricing.

The smart design of this fluid-cooled system also provides improved energy savings, simpler installation requirements, significantly less refrigerant and other operational advantages over traditional air-cooled refrigeration systems. All refrigerant components are factory sealed and fully factory tested for reliable performance.

Combined with our full featured and friendly WebSentry® web monitoring and expert-level factory-assisted startup, the PPK will make your pool project a breeze delivering consistent, sustained and economical performance.

## GREATLY REDUCED COST OF OWNERSHIP

- Significantly less cost to install and maintain compared to alternative refrigerant systems
- Less refrigerant means lower environmental risk and additional LEED points
- Exceptional heat rejection design saves at least 5% in energy compared to traditional systems
- Extraordinary compressor protection with refrigerant pressure transducers actively controlling unit operation

Capacities from 20 to 100 tons  
Supply Air from  
5,000 to 64,000 CFM

The durable system construction houses design details that improve the performance and effectiveness of the system. These features and capabilities include:

- WebSentry® 24/7 Internet monitoring and control
- CommandPak® Control System with Integrated BACnet and Modbus connectivity interface
- Roof curb or slab compatible base design
- Multiple compressor systems for staged control
- Airflow monitoring and control

## DURABLE SYSTEM CONSTRUCTION



### Durable System Construction

- 2-inch pleated filters standard
- Fully dipped coils for 100% corrosion protection
- Double wall, closed cell foam panel construction on the floor and base

### Airflow Monitoring and Control

- Real-time airflow control with flow sensors, variable speed fans and damperst
- Proper airflow is maintained continuously, even as filters load, etc.

### WebSentry® Internet Monitoring and Control

- Factory-assisted start-up with 90 days of WebCheck™ factory monitoring
- 24/7 performance monitoring
- Preventative maintenance email alerts
- Trouble warnings via email
- Browser-based access and control
- Smart phone access and control

### CommandPak® Control System with Touch Screen Interface

- The most sophisticated and powerful controller in the industry
- Integrated BACnet, and Modbus connectivity

### Service Access Outside of Airstream

- All critical components outside of chlorinated airstream
- Maximum AC efficiency, no heat gain from warm components
- Easy to service even while unit in operation

### Direct drive fans, backward inclined airfoil plenum

- Direct drive fans, backward inclined airfoil plenum — quiet, powerful, efficient, reliable, energy efficient
- Higher static pressures
- Allows for factory installed auxiliary air heating
- Offers maximum flexibility for supply air duct options
- No belts to adjust, wear out or replace

### Extraordinary compressor protection

- Refrigeration pressure transducers on suction and discharge
- 24/7 monitoring of critical suction and discharge pressures
- Pump down, crankcase heater, voltage monitor

## PERFORMANCE SUMMARY

PPK Series	080	100	120	190	220	260	340	420
<b>Max. Supply Airflow (CFM)</b>	20,000	20,000	20,000	20,000	34,000	34,000	64,000	64,000
<b>Moisture Removal (lb/hr)</b>	117.2	143.5	179.4	237.2	317.9	364.8	477.4	598.2
<b>Sensible Cooling (MBH)</b>	154.7	189.5	236.8	313.1	419.7	481.6	630.2	789.4
<b>Pool Water Heating (MBH)</b>	204	234	273	390	478	585	780	975

Rated Conditions | Pool room air: 82°F / 60% R.H. | Pool Water: 80°F

Due to continuous development the right to alter specifications without notice is reserved. E&OE



PoolPak is a Dehumidified Air Solutions company and member of Dehumidified Air Services, a coast-to-coast service network of local customer support specialists. Backed by the real-time remote monitoring of WebSentry® technology and direct access to the engineers who designed and built your dehumidifier, Dehumidified Air Services is the only organization in North America that has the scale and expertise to deliver trouble-free pool dehumidification and unparalleled customer service.

