



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 market 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 now factory sealed and fully factory tested for reliable performance.

Combined with our full featured and friendly Virtual-Tech[®] 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 18 to 128 tons
Supply Air from
6,800 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:

- Virtual-Tech[®] 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 dampers
- Proper airflow is maintained continuously, even as filters load, etc.

Virtual-Tech® 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	070	080	100	120	140	190	200	220	260	300	340	380	420	530
Max. Supply Airflow (CFM)	20,000	20,000	20,000	20,000	20,000	20,000	34,000	34,000	34,000	64,000	64,000	64,000	64,000	64,000
Moisture Removal (lb/hr)	109.9	117.2	143.5	179.4	203.3	237.2	277.1	317.9	364.8	416.6	477.4	538.2	598.2	765.4
Sensible Cooling (MBH)	145.1	154.7	189.5	236.8	268.4	313.1	365.7	419.7	481.6	549.9	630.2	710.5	789.4	1010.5
Pool Water Heating (MBH)	147	204	234	273	351	390	439	478	585	682	780	878	975	1170

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 Virtual-Tech® 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.

