



OptiCool RPW-090

Chilled Water External Heat Rejection



The OptiCool RPW-090 system manages cooling in a closet, server room, or data center where chilled water is available.

The RPW-090 is a refrigerant pump system providing up to 90 kW of cooling capacity per system. The RPW-090 system has been designed to support up to 20 OptiCool Active Heat Exchangers for cooling applications. The RPW-090 uses R-134a refrigerant for cooling electronic equipment – non-toxic, non-conductive and non-corrosive.

The RPW-090 is a system and requires other OptiCool products for effective heat transfer out of the room.

The RPW-090 system unique features include:

- Built-in and self-contained Refrigerant Distribution Network (RDN)
- Small indoor footprint
- Capacity control
- Supports up to 20 OptiCool AHX units

External Heat Rejection	Chilled Water
Max kW Capacity	90 kW (up to 115 kW with higher GPM)
Chilled Water Flow Rate	60 GPM
Chilled Water Supply Temp	45° F
Pressure Drop Across the System at Full Open Valve (Max Capacity)	10 PSI
Chilled Water Delta T at Full Load	12° F
Max # AHX's	6 or 20
Header Option	Internal/External
Power Options	120-230V, 1Ph, 60HZ
Full Load Amps (FLA)	120 VAC: 9A 208 VAC: 5A
Communication / Monitoring	Modbus/RTU, BACnet/IP, Modbus/TCP-IP
Heat Exchange	Chilled water or glycol water
Weight	400 lbs
Dimensions	15W x 36D x 77.2H

*Water capacity ratings and flow rates do not include glycol in water