



OptiCool RPW-210

Chilled Water External Heat Rejection



The OptiCool RPW-210 system manages cooling in a data center where chilled water heat exchange is available.

The RPW-210 is a refrigerant pump system providing 60 tons or 210 kW of cooling capacity per system. The RPW-210 is optimized to support up to 42 OptiCool Active Heat Exchangers for data center cooling applications. The RPW-210 uses R-134a refrigerant for cooling. R-134a is non-toxic, non-conductive and non-corrosive.

The RPW-210 system unique features include:

- NEBS Zone 4 Seismic Compliant
- Up to 90% more energy efficient than conventional cooling
- 60% less cooling footprint required in comparison to conventional cooling
- More space and energy efficient than In-Row cooling
- Refrigerant Delivery Network (RDN) 185' equivalent length distance

External Heat Rejection	Chilled Water
Max kW Capacity	210 kW actual
Chilled Water Flow Rate	120 GPM
Chilled Water Supply Temp	45 F
Pressure Drop Across the System At Full Open Valve (Max Capacity)	20 PSI
Chilled Water Delta T at Full Load	12 F
Max # AHX's	42
Header Option	External
Power Options	480V, 3 Phase, 60HZ
Full Load Amps (FLA)	480VAC: 3A
Communication / Monitoring	Modbus/RTU, BACnet/IP, Modbus/TCP-IP
Heat Exchange	Chilled water or glycol water
Weight	1030 lbs
Dimensions	40W x 36D x 82H

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