



OptiCool RPC-230

Direct Expansion (DX) External Heat Rejection



The OptiCool RPC-230 Refrigerant Pump Chiller is the heart of the OptiCool data center cooling solution.

The unit can provide up to 230 kW of sensible cooling and rejects the heat from the electronics to outdoor air condensers when there is no access to a chilled-water system. The pump supplies cold refrigerant to the heat extractor units within the electronic cabinets. It supports high-heat-density cooling while being extremely energy efficient.

The RPC-230 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	Direct Expansion (DX)
Max kW Capacity	230 kW actual
Max # AHX's	42
Header Option	External
Power Options	480V, 3 Phase, 60HZ
Full Load Amps (FLA)	480VAC: 3A
ODX Condensing Unit	2x ODX-115
ODX Power Options	480V 3P or 240V 3P
Communication / Monitoring	Modbus/RTU, BACnet/IP, Modbus/TCP-IP
Heat Exchange	R448A / R449A
Weight	1090 lbs
Dimensions	40W x 36D x 82H