



OptiCool RPC-090

Direct Expansion (DX) External Heat Rejection



The OptiCool RPC-090 system manages cooling in a closet, server room, or data center where Direct Expansion (DX) cooling applications are required.

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

The RPC-090 is a system and requires other OptiCool products for effective heat transfer out of the room. Each RPC-090 requires an outdoor direct expansion unit.

The RPC-090 system unique features include:

- Built-in and self-contained Refrigerant Distribution Network (RDN)
- Small indoor and outdoor footprint
- Scroll compressor with capacity control
- Variable speed outdoor fan motors

| | |
|-----------------------------------|---|
| External Heat Rejection | Direct Expansion (DX) |
| Max kW Capacity | 90 kW actual (up to 115 kW) |
| Max # AHX's | 6 or 20 |
| Header Option | Internal/External |
| Power Options | 120-230V, 1 Phase, 60HZ |
| Full Load Amps (FLA) | 120 VAC: 9A 208 VAC: 5A |
| ODX Condensing Unit | ODX-115 |
| ODX Power Options | 480V 3P or 240V 3P |
| Communication / Monitoring | Modbus/RTU, BACnet/IP, Modbus/TCP-IP |
| Heat Exchange | R448A / R449A |
| Weight | 400 lbs |
| Dimensions | 15W x 36D x 77.2H |