



RPC-115 DIRECT EXPANSION (DX) EXTERNAL HEAT REJECTION

The OptiCool RPC-115 system provides best-in-class precision cooling in any mission-critical where Direct expansion (DX) cooling applications are required.

The OptiCool RPC-115 is a highly efficient low-pressure pumped 513a refrigerant system supporting up to 40 Active Heat eXtractor (AHX) units for applications achieving 115 kW of non-condensing 100% sensible cooling. Employing a pumped R-513a solution ensures a highly reliable, oil-free, non toxic, non-conductive, and non corrosive sustainable cooling ecosystem to efficiently extract heat at the source.

The RPW-115 pump is part of a system and requires other OptiCool products for effective heat transfer out of the room. Each RPC-115 pump also requires an Outdoor Heat eXpansion unit (ODX-115).



Specifications

MIN/MAX KW CAPACITY:	12 kW / 115 kW
EXTERNAL HEAT REJECTION:	DIRECT EXPANSION (DX) R-410A.
NUMBER OF AHX SUPPORTED:	3 to 40 per pump
POWER OPTIONS:	480 V, 3 Phase, 60 Hz 208 V / 230 V, 1 Phase, 60 Hz
FULL LOAD AMPS:	480 V, 6.5 amp 208 V / 230 V, 16 amp
PUMP DRY WEIGHT:	1,300 lb
PUMP DIMENSIONS:	30 in. x 82 in. x 40 in.
REFRIGERANT DISTRIBUTION NETWORK EQUIVALENT SUPPLY LENGTH (MAX):	185 ft.
COMMUNICATION / MONITORING:	MODBUS, BACNET, or SNMP
CERTIFICATION:	ISO 9001-2015

Features

- Assembled in the USA.
- Industry standard hardware and software for easy BMS integration.
- Aesthetic design with flexible location and compact footprint.
- Energy efficient redundant pump motor and VFD with automatic changeover.
- System designed with cooling capacity management to efficiently handle load change fluctuations.
- Intuitive 10-inch touchscreen controls.
- Dynamic self-balancing pressure independent flow control valve for precise capacity control.



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