



ODX-500

OUTDOOR DIRECT EXPANSION (ODX) UNIT

The OptiCool ODX-500 unit pairs with a single OptiCool RPC-500 pump to create a high quality system that provides precision cooling in any mission critical infrastructure where Direct eXpansion (DX) cooling applications are required.

The OptiCool ODX-500 unit manages the transfer of heat from the RPC-500 pump to the outdoors using R-410A or R-454B refrigerant. The unit has variable capacity compressors, which allow for low and fluctuating heat loads. The ODX-500 unit is air-cooled condenser that can be roof or ground-mounted.

The ODX-500 unit is part of a system and requires other OptiCool products for effective heat transfer out of the room. Each ODX-500 unit also requires an OptiCool RPC-500 pump.



Specifications

ODX POWER CONSUMPTION**	164 Kw
ODX WEIGHT	7,200 lb
ODX DIMENSIONS	108 in x 98 in x 101 in
COMPRESSORS (BLDC SCROLL)	8
AMBIENT OPERATING RANGE	-40°F TO 120°F
MINIMUM LOAD REQUIRED***	22 kW
ODX/RPC EQUIVALENT SUPPLY LENGTH (MAX)***	185 ft
SECONDARY CIRCUIT REFRIGERANT	R-410a or R-454B
MCA	480 V, 3 Phase, 120 amp 208 V / 230 V, 3 Phase, 230 amp
MOPD	480 V, 3 Phase, 150 amp 208 V / 230 V, 3 Phase, 250 amp
CERTIFICATION	ISO 9001

** 100% @ Rated Condition of 95°F

*** Minimum load may vary with line length and elevation

Features



Assembled in the USA



Integrated communication with RPC for data monitoring



Aesthetic design and light-weight with compact outdoor footprint



Redundant capable with multiple compressors



Variable speed compressors for precise temperature control and minimal power consumption



[Opticooltech.com](https://opticooltech.com)
Info@opticooltech.com

855 Publishers pkwy,
Webster, NY 14580 USA

Sales 585-347-6142
Service 585-967-5434