



CDU-M15

COOL DISTRIBUTION UNIT

OptiCool Coolant Distribution Units: Liquid Cooling for AI High-Performance Computing

OptiCool's Coolant Distribution Units (CDU) are purpose-built to decouple facility chilled water systems from IT cooling infrastructure, delivering precision liquid cooling solutions for high-density, AI driven Data Centers.

OptiCool's 1.5 MW CDU ensures efficient heat removal, while supporting seamless integration into any Data Center environment.

With Customizable configurations and precision control systems, OptiCool's CDU's provide scalable, resilient cooling that meets today's demands, while future-proofing your Data Center for tomorrow's capacity needs.

Whether supporting direct-to-chip cooling, rear door heat exchangers, or next generation IT workloads, OptiCool CDU's are the ultimate solution for optimizing your Data Centers performance and efficiency.



Specifications

EXTERNAL HEAT REJECTION:	CHILLED WATER OR GLYCOL MIX
NORMAL CAPACITY:	1,500 Kw @ 6.5°F ATD
MAX SECONDARY FLOW:	440 GPM
MAX SECONDARY EXTERNAL PRESSURE DROP:	65 PSI
SECONDARY TEMPERATURE RANGE:	45° to 130°F
PRIMARY INTERNAL PRESSURE DROP:	13 PSI @ 320 GPM
MAX POWER CONSUMPTION:	17.2 kW
COMMUNICATION / MONITORING:	MODBUS, BACNET, or SNMP
DIMENSIONS:	66 in. x 79 in. x 39 in.

Features

-  Assembled in the USA.
-  Industry standard hardware and software for easy BMS integration.
-  Redundant and Autonomous Operation.
-  Optional, internal Dual Power Feed (ATS).
-  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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