We connect and protect

RackChiller CDU800 Coolant Distribution Unit, 87x31x47in, 800kW, 3PH 480V (US)

CATALOG NUMBER

CDU8004LA03A

The nVent HOFFMAN RackChiller CDU800 is designed for efficient and safe supply of IT equipment. The entire system is focused on providing the highest reliability, availability, and serviceability for supporting direct-to-chip liquid cooling. The CDU800 is fed from a primary facility water system (FWS), where the integrated pumps drive the secondary technology cooling system (TCS) cooling loop flow. The heat exchanger transfers the excess heat from the secondary coolant to the primary. The complete system is integrated into an aesthetical enclosure with removable side panels and doors. The CDU can be installed onto a slab or raised floor, in-row with equipment racks or into a separate facility room.

INDUSTRY STANDARDS

UL/cUL Listed; File No. SA7402

CE

FEATURES

800+kW of cooling capacity @ 6K (850 LPM Primary)
Redundant high-performance, leak-free pump system
Integrated variable speed drives
Coolant connections through top or bottom panel
Integrated 10-inch touch panel display
Remote control features through Ethernet, SNMP v3, Modbus
On-board integrated leak detection
Unrivaled power density – fits into standard data center footprint
Serviceable during operation – no need for shut down during system maintenance
Redundant system layout minimizes risk for single points of failure
Integrates with nVent Guardian Management Gateway and sensors portfolio

PRODUCT ATTRIBUTES

Height (H): 2200mm

Width (W): 800mm

Depth (D): 1200mm

Voltage Rating: 380 – 480V

Phase Quantity: 3

Rated Frequency: 50 – 60Hz

Rated Current/Rated Voltage: 40

Power Consumption: 22.2W

Country of Origin: United States

Material: Mild Steel

Finish: Plated

Color: Black Grey

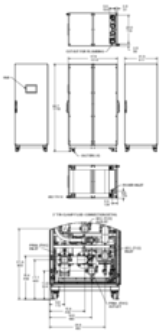
Color Code: RAL 7021

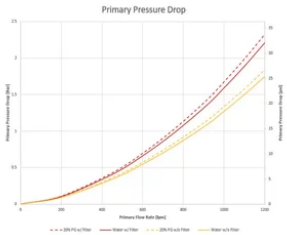
Rated Load Current Range: 47.5A min

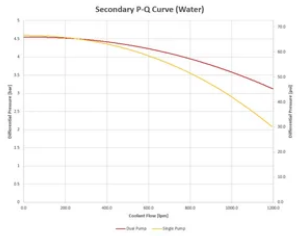
Noise Level: 68dB

Type: With Primary Filtration

DIAGRAMS







WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE

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