

# RackChiller CDU100 Coolant Distribution Unit

## Data Solutions



The nVent HOFFMAN RackChiller CDU100 is a rack-based CDU, built for the needs of today's most demanding HPC requirements. Capable of managing 100kW+ of heat load in a remarkably small 4U of space. The RackChiller CDU100 is an extremely efficient heat exchanger that uses ASHRAE W4 warm water to manage processor and component heat.

### INDUSTRY STANDARDS

UR/cUR Recognized

CE

### FEATURES

Manages 100kW+ of processor load per network

Compatible with ASHRAE W4 warm water cooling

N+1 redundant centralized pumps

Dry-break quick disconnects (optional)

5-inch LCD screen with touch functionality

Integrated control and monitoring system (Webserver, Modbus, SNMP)

Internal and external leak detection system

4U rack-mount chassis

Warm water cooling reduces the need for chillers

Quick and easy installation and service

Pump redundancy: 2 pumps for n+1 redundancy

### SPECIFICATIONS

Table 1/3

| Catalog Number | Article Number | Height (H) | Width (W) | Depth (D) | Material   | Finish |
|----------------|----------------|------------|-----------|-----------|------------|--------|
| CDU1002R001    | 57122          | 177mm      | 430mm     | 950mm     | Mild Steel | Plated |

| CatalogNumber | Article Number | Height (H) | Width (W) | Depth (D) | Material   | Finish |
|---------------|----------------|------------|-----------|-----------|------------|--------|
| CDU1002R001Q  | 57121          | 177mm      | 430mm     | 950mm     | Mild Steel | Plated |

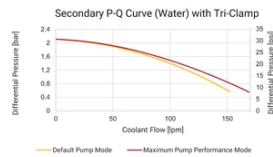
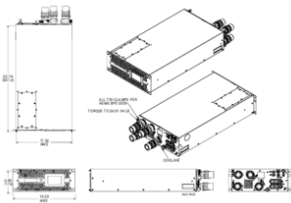
Table 2/3

| Catalog Number | Article Number | Color     | Color Code | Volume | Voltage Rating | Rated Frequency |
|----------------|----------------|-----------|------------|--------|----------------|-----------------|
| CDU1002R001    | 57122          | Jet Black | RAL 9005   | 15.6l  | 100 – 240V     | 50 – 60Hz       |
| CDU1002R001Q   | 57121          | Jet Black | RAL 9005   | 15.6l  | 100 – 240V     | 50 – 60Hz       |

Table 3/3

| Catalog Number | Article Number | Rated Load Current Range | Type                 |
|----------------|----------------|--------------------------|----------------------|
| CDU1002R001    | 57122          | 10 – 15A                 | Unfilled, with CGB25 |
| CDU1002R001Q   | 57121          | 10 – 15A                 | Filled, with CGB25   |

## 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](http://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.



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