We connect and protect

RackChiller RDHX PRO Active, Left Hinged, 42U, 800W

Data Solutions

CATALOG NUMBER

10630-201

The new rear door cooling units from nVent are offered in a range of standard sizes for use with 42U, 47U, in both 600mm and 800mm widths (other sizes available on request). The coolers themselves are 250mm deep, with a dry weight of below 170Kg. One of the features of rear door coolers is they are compact and do not require any additional floor space or ceiling headroom – in fact, their use can free up white space as CRAH units and other room cooling equipment may be eliminated from the data centre.

Each unit features 12x axial brushless DC fans – more than any competitive unit. However, the large number of fans means they individually do less work than a smaller number of large fans, reducing stress on the electromechanical devices and increasing their lifecycle. In the event failures do occur, nVent has developed an innovative, tool-less and hot-swappable method for fan replacement as well as other critical components such as PSUs and main controller. This feature allows uptime to be maximized at the same time as reducing service callouts and associated costs.

The Rear door cooler can also be retrofitted to most third party racks.

Smallest footprint of any rear door cooler on the marketplace with the highest kilowatt capacity of cooling.

FEATURES

Rear Door Cooler Chilled Water
Hot-swappable components simplify repair and maximize availability
Designed for efficient operation at increased facility water temperatures
Combination with direct to chip liquid cooling
Modular standard - easy to adapt to individual requirements
Fans, power supplies, controller and control valve all are hot-swappable

Automatic fan speed and valve opening control

7” high resolution touch screen interface

Hydraulic and electric connection through top or bottom

Monitoring via Ethernet interface (Web browser, Modbus TCP, SNMP v2c) and Modbus RTU

PRODUCT ATTRIBUTES

Product Type: Air/Liquid Heat Exchanger

Product Family: RackChiller

Rack Height: 42U

Color Code: RAL 7021

Protection Rating: IP20

Width: 800mm

Depth: 280mm

Height: 2000mm

Supply Voltage: 195 – 277V

Coolant Feed: Bottom; Top

Color: Black Grey

Finish: Powder Coated

Material: Steel

Net Weight: 142.2kg

Package Quantity: 1

ADDITIONAL PRODUCT DETAILS

For trouble-free operation of the air/liquid heat exchanger the quality requirements of the coolant must be maintained; The selection of appropriate anti-corrosion and frost protection agents depends on the environment in which the unit is used and on the external chiller.

At coolant temperatures below 14 °C, there is an increased risk of condensation. We recommend using a condensate management package.

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.

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