We connect and protect

RackChiller RDHX PRO Active, Right Hinged

Data Solutions

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

SPECIFICATIONS

Table 1/3

Catalog Number	Product Type	Product Family	Rack Height	Color Code	Protection Rating	Width
10630-207	Air/Liquid Heat Exchanger	RackChiller	47U	RAL 7021	IP20	800mm
10630-205	Air/Liquid Heat Exchanger	RackChiller	42U	RAL 7021	IP20	800mm
10630-206	Air/Liquid Heat Exchanger	RackChiller	47U	RAL 7021	IP20	600mm
10630-204	Air/Liquid Heat Exchanger	RackChiller	42U	RAL 7021	IP20	600mm

Table 2/3

Catalog Number	Depth	Height	Supply Voltage	Coolant Feed	Finish	Material
10630-207	280mm	2200mm	195 – 277V	Bottom, Top	Powder Coated	Steel
10630-205	280mm	2000mm	195 – 277V	Bottom, Top	Powder Coated	Steel
10630-206	280mm	2200mm	195 – 277V	Bottom, Top	Powder Coated	Steel
10630-204	280mm	2000mm	195 – 277V	Bottom, Top	Powder Coated	Steel

Table 3/3

Catalog Number	Package Quantity
10630-207	1
10630-205	1
10630-206	1
10630-204	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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