

RackChiller RDHX PRO Passive

Data Solutions



The new rear door cooling units from nVent are offered in a range of standard sizes for use with 42U, 47U, and 52U, in 600 mm, 750 mm, and 800 mm widths. The coolers themselves are 250mm deep, with a dry weight of 140Kg. 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.

RDHX PRO Passive is fanless device than can be upgraded to Active with the addition of the fan modules. Meaning you can scale your data center to the requirements of your server racks. With no fans, the power consumption is near zero. This also reduces the service and maintenance costs with minimal components.

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.

CARACTERISTICI

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

Can be upgraded to active even after installation and commissioning

Power supplies, controller and control valve all are hot-swappable

Automatic 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

SPECIFICAȚII

Table 1/2

Număr de catalog	Product Type	Product Family	Rack Height	Type	Color Code	Protection Rating
10630-212	Air/Liquid Heat Exchanger	RackChiller	42U	Hinged, Right	RAL 7021	IP20
10630-213	Air/Liquid Heat Exchanger	RackChiller	42U	Hinged, Right	RAL 7021	IP20
10630-214	Air/Liquid Heat Exchanger	RackChiller	47U	Hinged, Right	RAL 7021	IP20
10630-215	Air/Liquid Heat Exchanger	RackChiller	47U	Hinged, Right	RAL 7021	IP20
RXP20060B	Air/Liquid Heat Exchanger	RackChiller	42U	Hinged, Left	RAL 9005	IP20
RXP20060W	Air/Liquid Heat Exchanger	RackChiller	42U	Hinged, Left	RAL 9003	IP20
RXP20075B	Air/Liquid Heat Exchanger	RackChiller	42U	Hinged, Left	RAL 9005	IP20
RXP20075W	Air/Liquid Heat Exchanger	RackChiller	42U	Hinged, Left	RAL 9003	IP20
RXP20080B	Air/Liquid Heat Exchanger	RackChiller	42U	Hinged, Left	RAL 9005	IP20
RXP20080W	Air/Liquid Heat Exchanger	RackChiller	42U	Hinged, Left	RAL 9003	IP20
RXP22060B	Air/Liquid Heat Exchanger	RackChiller	47U	Hinged, Left	RAL 9005	IP20
RXP22060W	Air/Liquid Heat Exchanger	RackChiller	47U	Hinged, Left	RAL 9003	IP20
RXP22075B	Air/Liquid Heat Exchanger	RackChiller	47U	Hinged, Left	RAL 9005	IP20
RXP22075W	Air/Liquid Heat Exchanger	RackChiller	47U	Hinged, Left	RAL 9003	IP20
RXP22080B	Air/Liquid Heat Exchanger	RackChiller	47U	Hinged, Left	RAL 9005	IP20
RXP22080W	Air/Liquid Heat Exchanger	RackChiller	47U	Hinged, Left	RAL 9003	IP20
RXP22560B	Air/Liquid Heat Exchanger	RackChiller	48U	Hinged, Left	RAL 9005	IP20
RXP22560W	Air/Liquid Heat Exchanger	RackChiller	48U	Hinged, Left	RAL 9003	IP20

Număr de catalog	Product Type	ProductFamily	RackHeight	Type	ColorCode	ProtectionRating
RXP22575B	Air/Liquid Heat Exchanger	RackChiller	48U	Hinged, Left	RAL 9005	IP20
RXP22575W	Air/Liquid Heat Exchanger	RackChiller	48U	Hinged, Left	RAL 9003	IP20

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Număr de catalog	Product Type	Product Family	Rack Height	Type	Color Code	Protection Rating
RXP22580B	Air/Liquid Heat Exchanger	RackChiller	48U	Hinged, Left	RAL 9005	IP20
RXP22580W	Air/Liquid Heat Exchanger	RackChiller	48U	Hinged, Left	RAL 9003	IP20
RXP24560B	Air/Liquid Heat Exchanger	RackChiller	52U	Hinged, Left	RAL 9005	IP20
RXP24560W	Air/Liquid Heat Exchanger	RackChiller	52U	Hinged, Left	RAL 9003	IP20
RXP24575B	Air/Liquid Heat Exchanger	RackChiller	52U	Hinged, Left	RAL 9005	IP20
RXP24575W	Air/Liquid Heat Exchanger	RackChiller	52U	Hinged, Left	RAL 9003	IP20
RXP24580B	Air/Liquid Heat Exchanger	RackChiller	52U	Hinged, Left	RAL 9005	IP20
RXP24580W	Air/Liquid Heat Exchanger	RackChiller	52U	Hinged, Left	RAL 9003	IP20

Table 1/2

Număr de catalog	Width	Depth	Height	Supply Voltage	Coolant Feed	Finish
10630-212	600mm	280mm	2000mm	195 – 277V	Bottom, Top	Vopsit Pulbere
10630-213	800mm	280mm	2000mm	195 – 277V	Bottom, Top	Vopsit Pulbere
10630-214	600mm	280mm	2200mm	195 – 277V	Bottom, Top	Vopsit Pulbere
10630-215	800mm	280mm	2200mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP20060B	600mm	280mm	2000mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP20060W	600mm	280mm	2000mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP20075B	750mm	280mm	2000mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP20075W	750mm	280mm	2000mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP20080B	800mm	280mm	2000mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP20080W	800mm	280mm	2000mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP22060B	600mm	280mm	2200mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP22060W	600mm	280mm	2200mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP22075B	750mm	280mm	2200mm	195 – 277V	Bottom, Top	Vopsit Pulbere

Număr de catalog	Width	Depth	Height	Supply Voltage	Coolant Feed	Finish
RXP22075W	750mm	280mm	2200mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP22080B	800mm	280mm	2200mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP22080W	800mm	280mm	2200mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP22560B	600mm	280mm	2250mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP22560W	600mm	280mm	2250mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP22575B	750mm	280mm	2250mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP22575W	750mm	280mm	2250mm	195 – 277V	Bottom, Top	Vopsit Pulbere

Table 2/2

Număr de catalog	Width	Depth	Height	Supply Voltage	Coolant Feed	Finish
RXP22580B	800mm	280mm	2250mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP22580W	800mm	280mm	2250mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP24560B	600mm	280mm	2450mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP24560W	600mm	280mm	2450mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP24575B	750mm	280mm	2450mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP24575W	750mm	280mm	2450mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP24580B	800mm	280mm	2450mm	195 – 277V	Bottom, Top	Vopsit Pulbere
RXP24580W	800mm	280mm	2450mm	195 – 277V	Bottom, Top	Vopsit Pulbere

Table 1/2

Număr de catalog	Material	Package Quantity
10630-212	Oțel	1
10630-213	Oțel	1
10630-214	Oțel	1
10630-215	Oțel	1
RXP20060B	Oțel	1
RXP20060W	Oțel	1
RXP20075B	Oțel	1
RXP20075W	Oțel	1
RXP20080B	Oțel	1
RXP20080W	Oțel	1
RXP22060B	Oțel	1
RXP22060W	Oțel	1
RXP22075B	Oțel	1
RXP22075W	Oțel	1
RXP22080B	Oțel	1

Număr de catalog	Material	Package Quantity
RXP22080W	Oțel	1
RXP22560B	Oțel	1
RXP22560W	Oțel	1
RXP22575B	Oțel	1
RXP22575W	Oțel	1

Table 2/2

Număr de catalog	Material	Package Quantity
RXP22580B	Oțel	1
RXP22580W	Oțel	1
RXP24560B	Oțel	1
RXP24560W	Oțel	1
RXP24575B	Oțel	1
RXP24575W	Oțel	1
RXP24580B	Oțel	1
RXP24580W	Oțel	1

DETALII SUPLIMENTARE DESPRE PRODUS

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.

The RDHX Pro range must be operated with supply liquid at 2°C above dew point. If this cannot be achieved, then a CDU should be used as an intermediary.

AVERTIZARE

Produsele nVent trebuie instalate și utilizate numai așa cum este indicat în fișele de instrucțiuni și materialele de formare ale nVent. Fișele de instrucțiuni sunt disponibile pe www.nvent.com și de la reprezentantul dvs. de servicii clienți nVent. O instalare incorectă, o utilizare abuzivă, o aplicare greșită sau orice altă lipsă de respectare completă a instrucțiunilor și avertismentelor nVent poate duce la defectarea produsului, la deteriorarea proprietății, la răniri corporale grave și moarte și/sau poate anula garanția dvs.

