

RackChiller RDHX PRO Active, Left 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

SPECIFICATIONS

Table 1/2

Catalog Number	Product Type	Product Family	Rack Height	Color Code	Protection Rating	Width
RXA20060B	Air/Liquid Heat Exchanger	RackChiller	42U	RAL 9005	IP20	600mm
RXA20060W	Air/Liquid Heat Exchanger	RackChiller	42U	RAL 9003	IP20	600mm
RXA20075B	Air/Liquid Heat Exchanger	RackChiller	42U	RAL 9005	IP20	750mm
RXA20075W	Air/Liquid Heat Exchanger	RackChiller	42U	RAL 9003	IP20	750mm
RXA20080B	Air/Liquid Heat Exchanger	RackChiller	42U	RAL 9005	IP20	800mm
RXA20080W	Air/Liquid Heat Exchanger	RackChiller	42U	RAL 9003	IP20	800mm
RXA22060B	Air/Liquid Heat Exchanger	RackChiller	47U	RAL 9005	IP20	600mm
RXA22060W	Air/Liquid Heat Exchanger	RackChiller	47U	RAL 9003	IP20	600mm
RXA22075B	Air/Liquid Heat Exchanger	RackChiller	47U	RAL 9005	IP20	750mm
RXA22075W	Air/Liquid Heat Exchanger	RackChiller	47U	RAL 9003	IP20	750mm
RXA22080B	Air/Liquid Heat Exchanger	RackChiller	47U	RAL 9005	IP20	800mm
RXA22080W	Air/Liquid Heat Exchanger	RackChiller	47U	RAL 9003	IP20	800mm
RXA22560B	Air/Liquid Heat Exchanger	RackChiller	48U	RAL 9005	IP20	600mm
RXA22560W	Air/Liquid Heat Exchanger	RackChiller	48U	RAL 9003	IP20	600mm
RXA22575B	Air/Liquid Heat Exchanger	RackChiller	48U	RAL 9005	IP20	750mm
RXA22575W	Air/Liquid Heat Exchanger	RackChiller	48U	RAL 9003	IP20	750mm
RXA22580B	Air/Liquid Heat Exchanger	RackChiller	48U	RAL 9005	IP20	800mm
RXA22580W	Air/Liquid Heat Exchanger	RackChiller	48U	RAL 9003	IP20	800mm
RXA24560B	Air/Liquid Heat Exchanger	RackChiller	52U	RAL 9005	IP20	600mm
RXA24560W	Air/Liquid Heat Exchanger	RackChiller	52U	RAL 9003	IP20	600mm

Table 2/2

Catalog Number	Product Type	Product Family	Rack Height	Color Code	Protection Rating	Width
RXA24575B	Air/Liquid Heat Exchanger	RackChiller	52U	RAL 9005	IP20	750mm
RXA24575W	Air/Liquid Heat Exchanger	RackChiller	52U	RAL 9003	IP20	750mm
RXA24580B	Air/Liquid Heat Exchanger	RackChiller	52U	RAL 9005	IP20	800mm
RXA24580W	Air/Liquid Heat Exchanger	RackChiller	52U	RAL 9003	IP20	800mm

Table 1/2

Catalog Number	Depth	Height	Supply Voltage	Coolant Feed	Color	Finish
RXA20060B	280mm	2000mm	195 – 277V	Bottom, Top	Black Grey	Powder Coated

Catalog Number	Depth	Height	Supply Voltage	Coolant Feed	Color	Finish
RXA20060W	280mm	2000mm	195 – 277V	Bottom, Top	White	Powder Coated
RXA20075B	280mm	2000mm	195 – 277V	Bottom, Top	Black Grey	Powder Coated
RXA20075W	280mm	2000mm	195 – 277V	Bottom, Top	White	Powder Coated
RXA20080B	280mm	2000mm	195 – 277V	Bottom, Top	Black Grey	Powder Coated
RXA20080W	280mm	2000mm	195 – 277V	Bottom, Top	White	Powder Coated
RXA22060B	280mm	2200mm	195 – 277V	Bottom, Top	Black Grey	Powder Coated
RXA22060W	280mm	2200mm	195 – 277V	Bottom, Top	White	Powder Coated
RXA22075B	280mm	2200mm	195 – 277V	Bottom, Top	Black Grey	Powder Coated
RXA22075W	280mm	2200mm	195 – 277V	Bottom, Top	White	Powder Coated
RXA22080B	280mm	2200mm	195 – 277V	Bottom, Top	Black Grey	Powder Coated
RXA22080W	280mm	2200mm	195 – 277V	Bottom, Top	White	Powder Coated
RXA22560B	280mm	2250mm	195 – 277V	Bottom, Top	Black Grey	Powder Coated
RXA22560W	280mm	2250mm	195 – 277V	Bottom, Top	White	Powder Coated
RXA22575B	280mm	2250mm	195 – 277V	Bottom, Top	Black Grey	Powder Coated
RXA22575W	280mm	2250mm	195 – 277V	Bottom, Top	White	Powder Coated
RXA22580B	280mm	2250mm	195 – 277V	Bottom, Top	Black Grey	Powder Coated
RXA22580W	280mm	2250mm	195 – 277V	Bottom, Top	White	Powder Coated
RXA24560B	280mm	2450mm	195 – 277V	Bottom, Top	Black	Powder Coated
RXA24560W	280mm	2450mm	195 – 277V	Bottom, Top	White	Powder Coated

Table 2/2

Catalog Number	Depth	Height	Supply Voltage	Coolant Feed	Color	Finish
RXA24575B	280mm	2450mm	195 – 277V	Bottom, Top	Black	Powder Coated
RXA24575W	280mm	2450mm	195 – 277V	Bottom, Top	White	Powder Coated
RXA24580B	280mm	2450mm	195 – 277V	Bottom, Top	Black	Powder Coated
RXA24580W	280mm	2450mm	195 – 277V	Bottom, Top	White	Powder Coated

Table 1/2

Catalog Number	Material	Package Quantity
RXA20060B	Steel	1
RXA20060W	Steel	1
RXA20075B	Steel	1
RXA20075W	Steel	1
RXA20080B	Steel	1
RXA20080W	Steel	1
RXA22060B	Steel	1

Catalog Number	Material	Package Quantity
RXA22060W	Steel	1
RXA22075B	Steel	1
RXA22075W	Steel	1
RXA22080B	Steel	1
RXA22080W	Steel	1
RXA22560B	Steel	1
RXA22560W	Steel	1
RXA22575B	Steel	1
RXA22575W	Steel	1
RXA22580B	Steel	1
RXA22580W	Steel	1
RXA24560B	Steel	1
RXA24560W	Steel	1

Table 2/2

Catalog Number	Material	Package Quantity
RXA24575B	Steel	1
RXA24575W	Steel	1
RXA24580B	Steel	1
RXA24580W	Steel	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.

