

RackChiller In-Row 45

Data Solutions



RackChiller In-Row Coolers (IRC) are designed to deliver localized/supplemental energy efficient cooling in data centers. The RackChiller In-Row 45 air-to liquid cooler is a modular and scalable precision cooling solution that can replace or supplement traditional data center cooling infrastructure. The units can be scaled optimally to suit individual packaging density and redundancy requirements.

The cooling system is integrated into a Varistar CP mobile frame for ideal side by side connection to Varistar CP or third party racks. The cooler comes with perforated front and rear doors. This allows seamless integration into rows of racks with hot or cold aisle containment. The integrated fans move the warm exhaust air from the hot aisle through an air to water heat exchanger where the heat is transferred to a water circuit. The air is then provided into the cold aisle towards the equipment.

CARACTERÍSTICAS

In-Row air/liquid cooler, ideal for hot aisle containment

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.

Minimum changes between In-Row and LHX+ (In-Rack) design - simplifies planning, layout and specification

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

ESPECIFICAÇÕES

Table 1/2

Número de catálogo	Product Type	Família de produtos	Largura	Profundidade	Altura	Supply Voltage
10630-103	Air/Liquid Heat Exchanger	RackChiller	300mm	1200mm	2000mm	200 – 240V
10630-102	Air/Liquid Heat Exchanger	RackChiller	300mm	1000mm	2000mm	200 – 240V

Table 2/2

Número de catálogo	Coolant Feed	Acabamento	Material	Quantidade por embalagem	Grau de proteção	Rack Height
10630-103	Superior, Bottom	Pintura electrostática com Acabamento Texturado	Aço	1	IP20	42U
10630-102	Superior	Pintura electrostática com Acabamento Texturado	Aço	1	IP20	42U

DETALHES ADICIONAIS DO PRODUTO

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

AVISO

Os produtos nVent devem ser instalados e utilizados apenas conforme indicado nas fichas de instrução do produto e materiais de treinamento da nVent. As fichas de instrução estão disponíveis em www.nVent.com e com nossos representantes de atendimento ao cliente nVent. A instalação inadequada, uso incorreto, aplicação incorreta ou outra falha qualquer em seguir completamente as instruções e avisos da nVent podem levar ao mau funcionamento do produto, danos à propriedade, lesões corporais graves e morte, e/ou anular sua garantia.



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