

In-row Air Cooled Cooling Product

NetCol5000-A

Introduction

NetCol5000-A is an in-row air cooled smart cooling product, adopts DC inverter and high return air temperature design, matches load requirements intelligently. NetCol5000-A uses unique algorithm construct a precision management and intelligent O&M system, makes an efficient, reliable and simple data center.

Application Scenarios

- Modular data center
- Prefabricated data center
- High power density data center
- Small and medium scale data center

Value & Features

Efficient

- High efficiency DC inverter compressor and EC fan. 20%-100% stepless cooling capacity regulation
- “0” energy consumption by isenthalpic wet-film humidification
- iCooling algorithm intelligently optimizes running parameters, reducing power consumption by up to 8%

Reliable

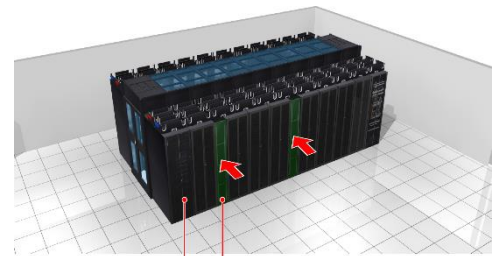
- Indoor fan can be maintained online and replaced while keeps cooling
- Expansion valve can be shut automatically upon unexpected power outage, eliminating liquid refrigerant return which may damage compressor
- AI algorithm detects the refrigerant content, triggering alarm when the refrigerant is insufficient

Simple.

- 7” true color touch screen, displaying cooling capacity and air volume real-time for easy O&M
- Fault self-diagnosis analyzes malfunction reason intelligently, guiding O&M engineer maintain quickly
- Compressor adopts Rotalock connection, no welding required on maintenance



NetCol5000-A



1. IT equipment 2. PAC
Typical Application Scenarios

DS00000118



7 Inch LCD True Color Touch Screen



EC Fan

Technical Specification

NetCol5000-A Technical Specification

	Unit	NetCol5000-A035H
Air Discharge Direction	-	Horizontal
Total Cooling Capacity ¹	kW	35
Sensible Cooling Capacity	kW	35
Air Volume	m ³ /h	6000
Power Supply Voltage	V/Ph/Hz	380/400/415Vac, 50/60Hz, 3Ph+N+PE
Refrigerant	-	R410A
Heating Capacity ²	kW	4
Humidifier Capacity ²	kg/h	1.5
Dimension: W×D×H	mm	300×1,200×2,000

1. Nominal condition: indoor: return air temp. 37°C/RH20%, outdoor: 35°C.
2. Heating and humidification are optional.

Air-cooled Condenser Technical Specification

	Unit	NetCol500-A060	NetCol500-A120
Power supply	V/Ph/Hz	Power supply from indoor unit	
Liquid pipe	in	5/8	5/8
Gas pipe	in	7/8	7/8
Full load current	A	2.5	2.5*2
Dimension: W×D×H	mm	1356×1094×1107	2189×1356×1107
Net weight	kg	130	250

Note: pipe size in actual project may vary.

Copyright © Huawei Technologies Co., Ltd. 2020. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

General Disclaimer

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

HUAWEI TECHNOLOGIES CO., LTD.

Huawei Industrial Base
Bantian Longgang
Shenzhen 518129, P.R. China
Tel: +86-755-28780808
www.huawei.com