

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. 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

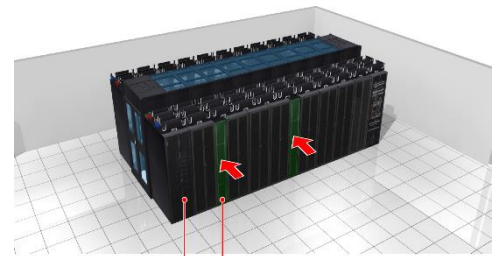
- Indoor fan can be maintained online and replaced while keeps cooling
- Expansion valve can be shut automatically upon unexpected power outage, eliminating liquid refrigerant return which may damage compressor
- AI algorithm detects the refrigerant content, triggering alarm when the refrigerant is insufficient

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

	Unit	NetCol5000-A025H	NetCol5000-A035H
Air Flow	-	Horizontal	Horizontal
Total Cooling Capacity ¹	kW	25	35
Sensible Cooling Capacity	kW	25	35
Air Flow Rate	m ³ /h	6000	6000
Power Supply Voltage	V/Ph/Hz	380/400/415Vac, 50/60Hz, 3Ph+N+PE 208~220Vac, 60Hz, 3Ph+N+PE	380/400/415Vac, 50/60Hz, 3Ph+N+PE
Refrigerant	-	R410A	R410A
Heating Capacity ²	kW	4.0	4.0
Humidifier Capacity ²	kg/h	1.0	1.5
Dimension: W×D×H	mm	300×1,100×2,000	300×1,200×2,000
Net Weight	kg	230 (380~415Vac) 275 (208~220Vac)	230

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-A040	NetCol500-A060	NetCol500-A080	NetCol500-A120
Power Supply	-	Power supply from indoor unit			
Liquid Pipe	in	5/8	5/8	5/8	5/8
Gas Pipe	in	3/4	7/8	7/8	7/8
Full Load Current	A	2.5	2.5	2.5	2.5*2
Dimension: W×D×H	mm	1120×1094×1096	1356×1094×1107	2186×1094×1107	2189×1356×1107
Net Weight	kg	155	130	240	250

Note: Pipe size in actual project may vary. NetCol500-A120 is a dual-system unit. Two indoor units are used together with one dual-system outdoor unit

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