

In-room Air Cooled Cooling Product

NetCol8000-A

Introduction

NetCol8000-A is in-room air cooled smart cooling product, composed of indoor and outdoor unit, it adopts all-variable-frequency design, supports upflow and downflow to meets the cooling requirements for different computer rooms. It is usually deployed around the computer room, and supply the efficient, reliable and simple cooling solution for middle-small sized low power density computer room, helps to build next generation green data center.

Application Scenarios

- Medium and large exchange room and data room
- Computer room and data center
- High-tech environment and lab
- UPS and battery room

Value & Features

Efficient

- **All-variable-frequency design:** Inverter compressor, EC fan and electronic expansion valve, saving 30% energy compared with fixed-frequency system
- **iCooling algorithm:** intelligently optimize operation, AEER can be increased by 8%+
- **Wet-film humidifier:** Without heating water, "0" power consumption for humidification

Reliable

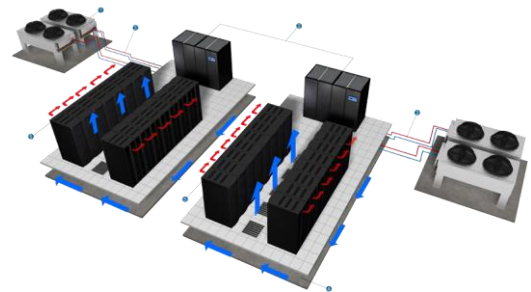
- **Refrigerant detection:** AI algorithm detects the refrigerant content, generating charging prompt when the refrigerant is insufficient
- **Stable operation:** Reliable the dehumidification at minimum 10% load, eliminate condensation risk

Simple

- **Intelligent display:** Display key parameters real-time, promptly knows the unit running status
- **Fault self-diagnosis:** Intelligently locate the malfunction, guiding O&M engineer maintain quickly
- **Fast installation for fan:** No need for auxiliary tools, saving fan installation time 70%+



NetCol8000-A



Typical Application



Inverter
Compressor



7' Color Screen

Technical Specification

Indoor Unit Technical Specification

Unit Model	Unit	NetCol8000-A045D/U	NetCol8000-A060D/U	NetCol8000-A090D	NetCol8000-A120D
Air Discharge Direction	-	D: Downflow; U: Upflow			
Total Cooling Capacity	kW	45	60	90	120
Sensible Cooling Capacity	kW	45	60	90	120
Air Volume	m ³ /h	11250	14500	22500	29000
Power Supply	V/Ph/Hz	380/400/415Vac, 50/60Hz, 3Ph+N+PE			
Heating Capacity	kW	6	6	12	12
Humidifier Capacity	kg/h	4.5	6	10	10
Full Load Current	A	36(40)	41(45)	72(80)	82(90)
Dimension: W×D×H	mm	900*900*2000	1100*1000*2000	1800*1000*2000	2200*1000*2000
Net Weight	kg	355	480	643	850

1. Nominal condition: indoor return air 35°C/26%RH, outdoor 35°C.
2. The current data in brackets are applicable to the indoor unit with electric heater & humidifier (Optional).
3. NetCol8000-A045 and NetCol8000-A060 is a single-system unit. NetCol8000-A090 and NetCol8000-A120 is a dual-system unit.

Outdoor Condenser Technical Specification

Unit Model	Unit	NetCol500-A060	NetCol500-A080	NetCol500-A110	NetCol500-A120
Power Supply	V/Ph/Hz	Power supply from indoor unit			
Liquid Pipe OD	in	5/8	5/8	5/8	5/8
Gas Pipe OD	in	7/8	7/8	7/8	7/8
Full Load Current	A	2.5	4.5	7.0	5.0
W×D×H	mm	1356×1094×1107	2186×1094×1107	2250×1100×1770	2189×1356×1107
Net Weight	kg	130	240	366	250

1. NetCol500-A060, NetCol500-A080 and NetCol500-A110 are single-system units. NetCol500-A120 is a dual-system unit.
2. A single-system indoor unit is used with a single-system outdoor unit; two single-system indoor units are used together with a dual-system outdoor unit; a dual-system indoor unit is used with two single system outdoor units; a dual-system indoor unit is used with a dual-system outdoor unit.

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