

# In-room Air-cooled Smart Cooling

NetCol8000-A045D/U, A060D/U, A090D, A120D (Indoor unit)  
NetCol500-A060, A080, A110, A120 (Outdoor unit)

## INTRODUCTION

NetCol8000-A is the in-room air cooled smart cooling solution consisting of indoor and outdoor unit. It is flexible for expansion, matching heat load intelligently. NetCol8000-A uses unique algorithm construct a precision management and intelligent O&M system, building an efficient, reliable and simple data center.



NetCol8000-A  
(Indoor unit)

## APPLICATION SCENARIOS

- Modular data center
- High power density data center
- Small and medium scale data center
- UPS and battery room



NetCol500-A060  
(Outdoor unit)

## FEATURES

### Simple

- 7 inch true color screen, real-time key information display
- Fault self-diagnosis helps for easy and fast O&M
- Screw connection on compressor and dry filter, no welding in maintenance

### Green

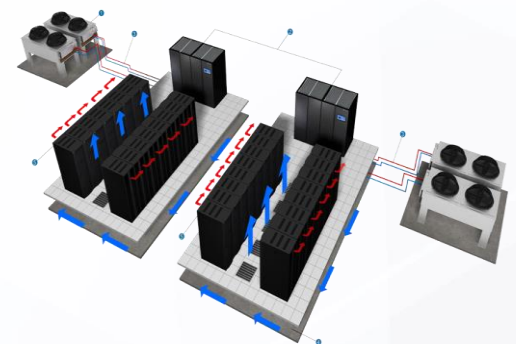
- Variable frequency driven compressor and EC fan for stepless cooling capacity regulation and higher efficiency
- 'Zero' energy consumption in humidification by wet-film

### Smart

- Intelligent iCooling control algorithm reduces power consumption by up to 8%<sup>1</sup>
- Automatic refrigerant detection for predictive alarm on refrigerant insufficiency<sup>1</sup>

### Reliable

- Stable dehumidification at a minimum load of 10%
- Expansion valve can be shut automatically upon sudden power loss to ensure compressor safety



Application  
Scenarios

**Note:**

1. Applicable on certain configurations and conditions. Please contact sales for more details.

## SPECIFICATIONS

Indoor unit	Unit	NetCol8000-A045D/U	NetCol8000-A060D/U	NetCol8000-A090D	NetCol8000-A120D
Air Flow	-	D: Downflow; U: Upflow			
Total Cooling Capacity	kW	45	60	90	120
Sensible Cooling Capacity	kW	45	60	90	120
Air Flow Rate	m <sup>3</sup> /h	11250	14500	22500	29000
Power Supply	V/Ph/Hz	380/400/415Vac, 3Ph+N+PE, 50/60Hz			
Reheating Capacity	kW	6	6	12	12
Humidifier Capacity	kg/h	4.5	6	10	10
Dimension: W×D×H	mm	900*900*2000	1100*1000*2000	1800*1000*2000	2200*1000*2000
Net Weight	kg	337/334.5	400/416	643	772

**Note:**

- Nominal condition: indoor return air 35°C/ 26%RH, outdoor 35°C.
- Heating and humidification are optional.
- NetCol8000-A045 and NetCol8000-A060 is a single-system unit. NetCol8000-A090 and NetCol8000-A120 is a dual-system unit.

Outdoor unit	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
Dimension: W×D×H	mm	1094*1356*1107	1094*2186*1107	1100*2250*1770	2189*1356*1107
Net Weight	kg	122	200.5	366	265

**Note:**

- The pipe diameter is only for reference, it maybe change in actual project.
- The NetCol500-A120 is dual system.

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