

# In-row Air Cooled Cooling Product

NetCol5000-A042(600mm)

## Product Introduction

NetCol5000-A air cooled in-row PAC is a smart data center cooling product, easy to expand, match load requirements intelligently, and use high supply/return air temperature design, reduce PUE. NetCol5000-A042 uses unique algorithm construct a precision efficiency management and intelligent O&M system, make an efficient, reliable and simple data center.

## Application Scenarios

- Modular data center
- Prefabricated data center
- High power density data center
- Medium-small data center

## Value & Features

### Efficient

**DC inverter:** 10%-100% Stepless capacity regulation, high efficiency at partial load

**Wet-film humidifier:** Without heating water, save energy 95%+ versus electrode humidifier

**Indoor/outdoor unit linkage:** Unique in/outdoor unit linkage algorithm, intelligently optimize operation, AEER can be increased by 4.5%+

### Reliable

**Maintain on-line:** Indoor fan and power module can be maintained on-line and replaced without shutdown

**Stable operation:** Reliable the dehumidification at minimum 10% load, eliminate condensation risk

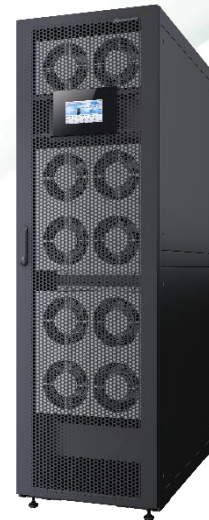
**Expansion valve shut automatically:** Expansion valve will shut automatically after unexpected power cut, eliminate liquid return which may hit compressor

### Simple

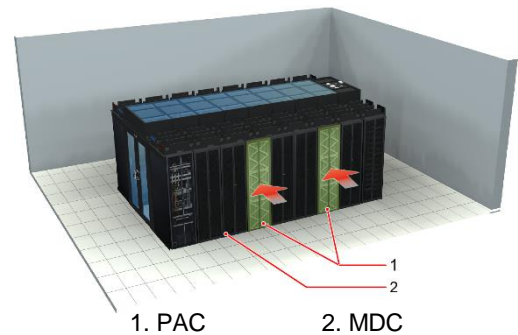
**Intelligent display:** 7" true color screen, display cooling capacity, air volume real-time, easy O&M

**Malfunction self-diagnosis:** remove irrelevant reason intelligently, guiding O&M engineer maintain quickly

**No welding maintain:** Compressor and dry filter use Rotalock connection, no welding on maintenance



NetCol5000-A042 (600)



Typical application scenarios



DC inverter compressor



EC Fan

## Technical Specification

### NetCol5000-A042 Technical Specification

Unit Model	Unit	NetCol5000-A042H(600)
Air Discharge Direction	-	Horizontal
Total Cooling Capacity <sup>1</sup>	kW	42.0
Sensible Cooling Capacity	kW	42.0
Air Volume	m <sup>3</sup> /h	8600
Power Supply Voltage	V/Ph/Hz	380-415/3/50,380~415/3/60
Refrigerant	-	R410A
Heating Capacity (Optional)	kW	6
Humidifier Capacity (Optional)	kg/h	3
Full Load Current <sup>2</sup>	A	40(46)
Dimension: W×D×H	mm	600×1100×2000
Net Weight	kg	305

- ① Nominal cooling condition: Return air dry bulb temperature 37.8°C/RH20%, outdoor temperature 35°C.  
 ② The data in brackets are applicable to the indoor unit with electric heater & humidifier.

### Outdoor Condenser Technical Specification

Unit Model	Unit	NetCol500-A036	NetCol500-A072
Power Supply	V/Ph/Hz	380-415/3/50,380-415/3/60	
Fan Quantity	Quantity	1	2
Liquid Pipe Diameter	in	5/8	5/8
Gas Pipe Diameter	in	7/8	7/8
Full Load Current	A	2.5	4.5
Dimension: W×D×H	mm	1370×1094×1160	2200×1094×1100
Net Weight	kg	130	185

**Notice:** The pipe diameter is only for reference and it may be changed based on the actual configuration. If the pipe length is longer than 100m, please contact Huawei system engineer.

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