

# In-row Chilled Water Cooling Product

## NetCol5000-C

### Introduction

NetCol5000-C is in-row cooling unit combined with chiller, pump and piping system to build a complete cooling system. It is configured with EC fan and installed between the IT racks, closely coupled with heat source for medium to high density DC. NetCol5000-C is an efficient, reliable and simple cooling product, helping to build the next generation green data center.

### Application Scenarios

- Medium-large switch room
- Industry control room
- Computer room and prefabricated DC
- Standard test room and calibration center

### Value & Features

#### Efficient

- High efficiency DC power module: Efficiency is up to 93%, unit's total rated power input is only 1.0 kW.
- High efficiency wet-film humidifier: isenthalpic humidification, saving up to 95% of energy compared with electrode humidifier.
- High efficiency heat exchanger: CFD simulation and field synergy improves heat transfer efficiency by 10%.

#### Reliable

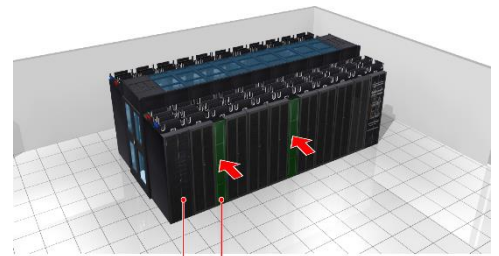
- Dual power sources: automatically switches to backup power source in case of power failure.
- Multi. EC fans: Mutual backup to ensures air flow rate in case of single fan failure. Continuous cooling output during fan maintenance.

#### Simple.

- Malfunction self-diagnosis: analyze malfunction reason intelligently, guiding O&M engineer maintain quickly
- 7-inch LCD colored touch screen features innovative one-touch interface switch and provides temperature & humidity curves display of the last 30 days, bringing an excellent usage experience.



NetCol5000-C



1. IT equipment 2. PAC  
Typical Application Scenarios



7 Inch LCD True Color Touch Screen



EC Fan

## Technical Specification

### NetCol5000-C Technical Specification

Unit Model	Unit	NetCol5000-C030H	NetCol5000-C032H
Air Discharge Direction	-	Horizontal	Horizontal
Total Cooling Capacity <sup>①</sup>	kW	30.0	32.0
Sensible Cooling Capacity	kW	30.0	32.0
Air Flow Rate	m <sup>3</sup> /h	5,000	5,000
Power Supply	V/Ph/Hz	220-240/1/50(60)	220-240/1/50(60)
Water Flow Rate	l/s	1.5	1.6
Dimension: W × D × H	mm	300×1200×2000	300×1200×2200
Net Weight	kg	166	176

Unit Model	Unit	NetCol5000-C065H
Air Discharge Direction	-	Horizontal
Total Cooling Capacity <sup>①</sup>	kW	65.0
Sensible Cooling Capacity	kW	65.0
Air Flow Rate	m <sup>3</sup> /h	10,000
Power Supply	V/Ph/Hz	220-240/1/50(60)
Water Flow Rate	l/s	3.2
Dimension: W × D × H	mm	600×1200×2000
Net Weight	kg	200

- ① Cooling capacity condition: Return air dry bulb temperature 37°C/RH24%, inlet/outlet water temperature 10°C/15°C

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HUAWEI TECHNOLOGIES CO., LTD.

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