

In-room Chilled Water Cooling Product

NetCol8000-C 2.0

Introduction

NetCol8000-C 2.0 is the in-room chilled water smart cooling product developed by Huawei. Generally, it has a complete cooling system by combining chillers, chilled water pumps and pipes, etc. Its cooling capacity covers from 62kW to 253kW. The efficient, reliable and simple. NetCol8000-C helps to build next generation of green data center.

Application Scenarios

- Carrier base, province/city level data center
- ISP, EDC, IDC
- Finance headquarter, disaster recovery data center
- Smart city, safe city
- E-government

Value & Features

Efficient

- **Pressure difference control:** save 10%+ energy compared with ordinary EC fan with supply and return air control
- **Fresh air free cooling:** adjust fresh air ratio intelligently, save 30%+ energy comparison with traditional chilled water system

Reliable

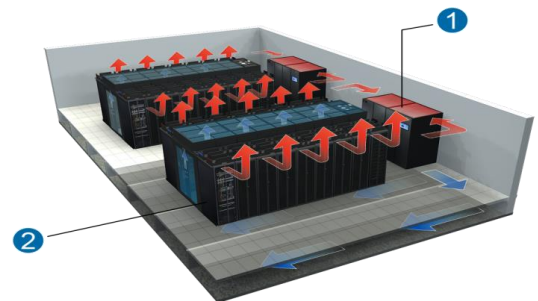
- **Modular design:** no effect on the operation of the other modules even if there is one faulty module
- **Dual power sources:** dual auto-switch power supply with independent dual 6kV surge protection and power detection
- **On-line maintenance:** hot swappable for control module and auxiliary power module

Simple

- **Digital management:** 7" color touch screen, key parameters displayed and uploaded to the management system including cooling capacity, air flow and power consumption
- **Malfunction self-diagnosis:** eliminate irrelevant failure reason intelligently and save pending and maintenance time 7h+
- **De-engineering:** prefabricate components including air damper, dynamic balance valve, save installation man-hour max. 10h/unit



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1. PAC
2. DC equipment



Control module, hot swappable



Discretable modular design

Technical Specification

Model	Unit	NetCol8000-C070D	NetCol8000-C130D	NetCol8000-C190D
Air Direction	-	Downflow		
Total Cooling Capacity	kW	63.2	126.4	189.6
Sensible Cooling Capacity	kW	51.4	102.8	154.2
Air Flow	m ³ /h	13500	27000	40500
Power Supply	V/Ph/Hz	380-415/3/50, 380-415/3/60		
Water Flow	l/s	3.02	6.03	9.05
Water Pressure Drop	kPa	62.4	85.4	96.0
Full Load Current	A	4.7	8.9	13.1
Dimension: W*D*H	mm	900*1000*2000	1800*1000*2000	2700*1000*2000
Net Weight	kg	340	635	930

Model	Unit	NetCol8000-C070U	NetCol8000-C130U	NetCol8000-C190U
Air Direction	-	Upflow		
Total Cooling Capacity	kW	61.9	123.8	185.7
Sensible Cooling Capacity	kW	50.3	100.6	150.9
Air Flow	m ³ /h	13200	26400	39600
Power Supply	V/Ph/Hz	380-415/3/50, 380-415/3/60		
Water Flow	l/s	2.95	5.91	8.86
Water Pressure Drop	kPa	60.5	82.6	92.7
Full Load Current	A	4.7	8.9	13.1
Dimension: W*D*H	mm	900*1000*2000	1800*1000*2000	2700*1000*2000
Net Weight	kg	330	615	900

Note:

1. Cooling capacity condition: Return air DB temperature 24°C/RH50%, inlet/outlet water temperature 7°C/12°C, ESP: 20Pa

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