Chilled Water In-row PAC
NetCol5000-C

Introduction

NetCol5000-C is a fan coil unit installed inside the data center, combined together with chiller, chilled water pump and piping etc. to form a complete cooling system. It is coupled with EC fan, and has the functions of cooling & dehumidification. Normally, it is installed between the IT racks, closely coupled with heat source so as to provide in-row cooling solution for medium to high density DC. NetCol5000-C is an efficient, reliable and simple solution, helps to build next generation green data center. The full configuration model has better reliability, the simple configuration has less investment and the same performance.

Application Scenarios

- High-tech environment and lab
- Computer room and container DC
- Standard test room and calibration center
- Medium-large exchange room and DC(IDC)
- Industry control room and precision processing equipment room

Value & Features

Efficient
- High efficiency DC power module: Efficiency is up to 94%, unit's total rated power input is only 1.0kW.
- High efficiency heat exchanger: CFD simulation and field synergy improves heat transfer efficiency by 10%.

Reliable
- Dual condensate pumps: Condensation drainage is not affected when one pump fails.
- Dual power sources: automatically switches to the other power source in case of power failure.
- Multi. EC fans: Mutual backup, ensures smooth air flow.

Simple
- On-line fan maintenance, no need to switch off power.
- Water piping: High quality import rubber hose; threaded connection, easier installation and no brazing work.
- It supports piping and cabling from both top and bottom, and can be accessed from both front and rare.
- Leading-edge 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
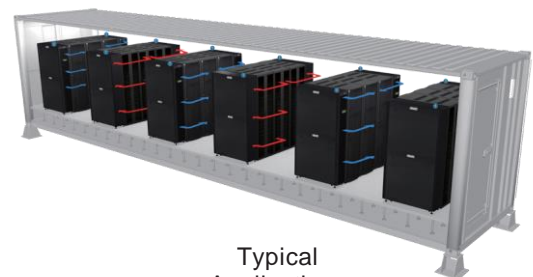
Typical Applications

7 Inch LCD True Color Touch Screen

EC Fan

Technical Specification
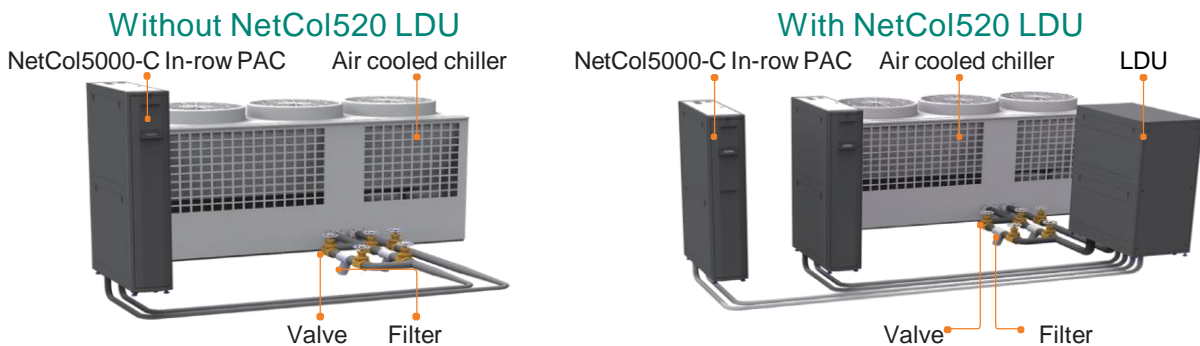
NetCol5000-C Technical Specification

Unit Model	Unit	NetCol5000-C030H-FC	NetCol5000-C030H-SC
Air Discharge Direction	-	Horizontal	Horizontal
Total Cooling Capacity[①]	kW	30.0	30.0
Sensible Cooling Capacity	kW	30.0	30.0
Air Volume	m³/h	5,100	5,100
Power Supply	V/Ph/Hz	200-240/1/50,200-240/1/60	208-240/1/50,208-240/1/60
Water Flow Volume	l/s	1.4	1.4
Water Pressure Drop	kPa	55	55
Heating Capacity	kW	-	3
Humidification Capacity	kg/h	-	3
Full Load Current[②]	A	5.5	5.5(23)
Dimension: W × D × H	mm	300 × 1000/1200 × 2000	300 × 1000/1200 × 2000
Net Weight[③]	kg	240	170(185)

① Cooling capacity condition: Return air dry bulb temperature 37.8ºC/RH20%, inlet/outlet water temperature 10ºC/15ºC

② The current data in brackets are applicable to the unit with electric heater & humidifier

③ The weight data in brackets are applicable to the unit with electric heater & humidifier

NetCol520 Liquid Distribute Unit (LDU)

Items	Technical Specification
Product Model	NetCol520-12T (Upper Water Pipe)/NetCol520-12B (Bottom Water Pipe)
Water Flow Volume	43.2m³/h
Dimension: W × D × H	1200 × 600 × 1800mm
Net Weight	300kg

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