

FusionCol5000-A Series

INTRODUCTION

FusionCol5000-A is the in-row air cooled smart cooling solution adopting DC inverter compressor and high return air temperature design. It can match heat load intelligently. FusionCol5000-A uses unique algorithm construct a precision management and intelligent O&M system, building an efficient, reliable and simple data center.

APPLICATION SCENARIOS

- Modular data center
- High power density data center
- Small and medium scale data center

FEATURES

Simple

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

Green

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

Smart

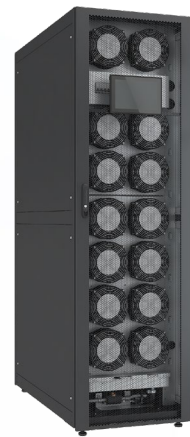
- Intelligent iCooling control algorithm reduces power consumption by up to 8%¹
- Automatic refrigerant detection for predictive alarm on refrigerant insufficiency¹

Reliable

- Online maintenance on indoor fans
- Expansion valve can be shut automatically upon sudden power loss to ensure compressor safety

Remark:

1. Applicable on contain configurations. Please contact Huawei for more details.



FusionCol5000-A065



FusionCol5000-A090

SPECIFICATIONS

Indoor unit	Unit	FusionCol5000-A065H
Air Flow	-	Horizontal
Total Cooling Capacity	kW	65
Sensible Cooling Capacity	kW	65
Air Flow Rate	m ³ /h	12,000
Power Supply	V/Hz/Ph	380/400/415Vac, 50/60Hz, 3Ph+PE
Refrigerant	-	R410A
Heating Capacity	kW	6.0
Humidifier Capacity	kg/h	3.0
Dimension: W×D×H	mm	600×1,200×2,000
Net Weight	kg	305

Remark:

- Air-cooled nominal condition: indoor: return air temp. 40°C, outdoor: 35°C.
- Heating and humidification function are optional.

Outdoor unit	Unit	NetCol500-A080	NetCol500-A110	FusionCol500-A090	FusionCol500-P090
Power Supply	-	Power supply from indoor unit			
Liquid Pipe	in	5/8	5/8	5/8	5/8
Gas Pipe	in	7/8	7/8	7/8	7/8
Full Load Current	A	5.0	7.5	6.0	7.2
Dimension: W×D×H	mm	2186×1094×1107	2250×1100×1770	1170×1120×2200	1170×1120×2200
Net Weight	kg	240	366	242	302

Remark:

- Refrigerant pump is only available on FusionCol500-P090.

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