

In-room Air-cooled Smart Cooling

FusionCol8000-A060U (Indoor unit)

FusionCol500-A090, P090 (Outdoor unit)

INTRODUCTION

FusionCol8000-A is the in-room air cooled smart cooling solution consisting of indoor and outdoor unit. It is flexible for expansion, matching heat load intelligently. FusionCol8000-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
- UPS and battery room

FEATURES

Simple

- 7 inch true color screen, real-time key information display
- Fault self-diagnosis helps for easy and fast O&M
- Screw connection on compressor and dry filter, 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

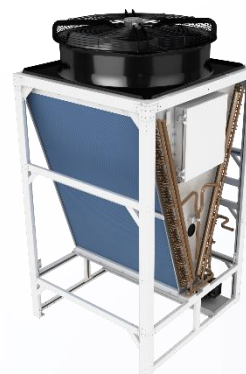
- Stable dehumidification at a minimum load of 10%
- Expansion valve can be shut automatically upon sudden power loss to ensure compressor safety

Note:

1. Applicable on certain configurations and conditions. Please contact sales for more details.



FusionCol8000-A060U
(Indoor unit)



FusionCol500-A090
(Outdoor unit)

SPECIFICATIONS

Indoor unit	Unit	FusionCol8000-A060U
Air Flow	-	Upflow
Total Cooling Capacity	kW	60
Sensible Cooling Capacity	kW	60
Air Flow Rate	m³/h	15,000
Power Supply	V/Hz/Ph	380/400/415Vac, 50/60Hz, 3Ph+PE
Refrigerant	-	R410A
Heating Capacity	kW	6.0
Humidifier Capacity	kg/h	6.0
Dimension: W×D×H	mm	1108×1,000×2,000
Net Weight	kg	383(with heater and humidifier) /370(basic cooling)

Note:

- Nominal condition: indoor return air temperature 32°C, 32%RH, outdoor temperature 35°C.
- Heating and humidification are optional.

Outdoor unit	Unit	FusionCol500-A090	FusionCol500-P090
Power Supply	-	Power supply from indoor unit	
Dimension: W×D×H	mm	1170×1120×2200	1170×1120×2200
Net Weight	kg	242	302

Note:

- One unit of FusionCol8000-A060U works with one FusionCol500-A090 or FusionCol500-P090 outdoor unit.
- Refrigerant pump is only available on FusionCol500-P090.

General Disclaimer

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