

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	m ³ /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.

Copyright © 2024 Huawei Digital Power Technologies Co., Ltd. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Digital Power Technologies Co., Ltd.

General Disclaimer

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.