BaseAir series

Small Room Precision Cooling



Introduction

BaseAir series by ACwatt is an efficient, reliable room-level data center temperature control product. Used in small to medium data rooms, battery rooms, UPS rooms, base stations, and industrial equipment rooms for reliable temperature and humidity control.

Features

High Efficiency

- High sensible heat ratio and high energy efficiency design, achieving large air volume with low enthalpy difference.
- Backward inclined centrifugal fan, with large air volume and high efficiency.
- Variable-speed outdoor unit, the system operates consistently in high-efficiency mode.
- R410A refrigerant, international standard, environmentally friendly.

Simple

- 4.3" HMI colour touchscreen for easy operation and real-time display of information.
- Standard RS485 interface, optional SNMP interface, supports management of at least 64 units.
- Threaded quick-connect design, allows for on-site installation without welding.
- Hierarchical password permissions, facilitating operation and maintenance management.

Reliable

- High-strength structural frame, sturdy and durable.
- Strict quality control of components to ensure quality.
- Rigorous testing and validation to guarantee operational safety.
- Multi-voltage compatibility reduces frequent start-stop operations of the devices.

Indoor Model(BA Series)	005	007	012	017	020
Total Cooling Capacity (kW)	5.6	7.6	12.6	17.2	20.5
Sensible Heat Ratio (W/W)	0.9	0.9	0.9	0.9	0.9
Air Volume (m³/h)	2000	2300	3200	5000	5500
Fan Type	AC or EC Fans				
Air Supply	Top Front Supply/Downflow Supply				
EEV	High Efficiency EC Fans				
Refrigerant	R410A				
Heating Capacity(kW)	3	3	3	6	6
Humidification Capacity(kg/h)	3	3	3	3	3
Power Supply Type	220V~50Hz		380V/3N~50Hz		
Single Cooling FLA (A)	10.8	15	10.9	14.2	14.8
Constant Temp. and Humidity FLA (A)	23	25	22	25	26
Weight (kg)	60	64	99	120	128
Dimension W×D×H (mm)	520×420×1748	520×420×1748	600×520×1798	700×700×1898	700×700×1898
FA series Outdoor Unit					
Outdoor Model（Nominal condition）	FA008APN	FA012APN	FA020APN	FA025APN	FA030APN
Power Supply Type	220V~50Hz				
Outdoor Weight(kg)	28	32	49	88	88
Dimension W×D×H (mm)	840×285×605	830×310×720	830×330×1245	1050×400×1560	1050×400×1560

Note：

1. The above parameters are based on indoor return air working conditions of 24 °C, 50% RH, outdoor ambient temp. 35 °C;
2. FLA parameters refer to the full load current of the standard model, including the current of the outdoor unit. The outdoor unit needs to be powered by the indoor unit.
3. Single cooling/constant temperature and humidity units are optional. Only the constant temperature and humidity model has heating and humidification functions.
4. For the downflow unit, it is recommended to have a minimum floor-to-ceiling height of 300mm. If the recessed fan option is selected, it is recommended to have a minimum floor-to-ceiling height of 400mm.
5. Customized products are available. For more parameters, please contact our com

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