

FocusAir™ Series Precision Air Conditioner

Designed for micro data centers

Cooling capacity: 5~12kW



Flexible space application

- Compatible with main manufacturers' racks, side-by-side installation design.

- 300mm/600mm width size optional, 1200mm/1400mm depth optional.

- Provide many different air supply options, including bilateral air supply, air supply on the right side, air supply on the left side, forward air supply and so on.

Energy efficient dynamic output

- DC variable frequency compressor, match the heat load change of cabinet in real time.

- High efficiency EC fan, automatic stepless adjustment of air volume matching according to load demand.

- High return air temperature design, High sensible heat ratio and high energy efficiency operation.

- Standard with electronic expansion valve, adapt, low temperature area, winter or part of the load operation with better energy saving effect.

- Stepless speed regulating outdoor unit, stable operation, energy saving, low noise, high reliability.

Low temperature dehumidification design

- Professional low load dehumidification design, low load can better control the temperature and humidity inside the cabinet with low load.

Convenient installation and maintenance

- Pipeline can be connected from bottom or top.

- Optional top drain.

- The electric control board can be pull out.

- Prefilled refrigerant design, connect the copper tube can be used.

Multiple ways of cooling

- Many kinds of cooling systems are available: air-cooled type, water-cooled type, chilled water type, etc.

Multiple monitoring ports

- Standard RS485 communication interface, Optional SNMP.

- Standard with network port, can support up to 32 in maximum.

Environmental protection

- Use green refrigerant R410A.



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Technical parameters

Dedicated inrow air conditioning to micro data center

FS***FA	Unit	005		007		012	
Unit configuration	-	Constant temperature	Constant temperature and humidity	Constant temperature	Constant temperature and humidity	Constant temperature	Constant temperature and humidity
Total cooling capacity ¹⁾	kW	5.5	5.5	7.5	7.5	12.5	12.5
Sensible capacity ¹⁾	kW	5.5	5.5	7.5	7.5	12.5	12.5
Air volume	m ³ /h	2000	2000	2500	2500	3000	3000
Sensible heat ratio (SHR)	%	100	100	100	100	100	100
Heating power	kW	3	3	3	3	6	6
Humidifier capacity	kg/h	-	2.5	-	2.5	-	2.5
Number of compressor	PCS	1	1	1	1	1	1
Compressor type	/	Variable frequency	Variable frequency	Variable frequency	Variable frequency	Variable frequency	Variable frequency
Compressor type (Optional)	/	Fixed frequency	Fixed frequency	Fixed frequency	Fixed frequency	Fixed frequency	Fixed frequency
Voltage	V	220 / 230 / 240	380 / 400 / 415	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Frequency	Hz	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Phase	P	1	3	1	3	3	3
Full load current	A	23.2	15.5	26.9	26.9	23.9	23.9
Unit weight	kg	205	210	220	225	230	235
Unit width	mm	300 / 600	300 / 600	300 / 600	300 / 600	300 / 600	300 / 600
Unit depth	mm	1400	1400	1400	1400	1400	1400
Unit height	mm	2000	2000	2000	2000	2000	2000

Note: The weight of the air conditioner is 1400 depth and 600 width

Outdoor unit

KCS***	Unit	007		010		018	
Voltage	V	220 / 230		220 / 230		220 / 230	
Frequency	Hz	50 / 60		50 / 60		50 / 60	
Phase	P	1		1		1	
Full load	A	0.5		0.7		1.4	
Unit weight	kg	38		48		60	
Unit width	mm	877		967		1017	
Unit depth	mm	340		398		375	
Unit height	mm	608		807		1244	

Notes: 1) The above parameters are based on the working conditions of indoor return air temperature 35°C, humidity 24%RH and outdoor 35°C

2) The condensers for 50HZ and 60HZ are different type. the condenser for 50HZ is not compatible with 60HZ, and the condenser for 60HZ is not compatible with 50HZ