

G Series In-row Precision Air Conditioner



G series in-row precision air conditioner is energy efficient, safe, and reliable, intelligent management, compact in structure, exquisite in craftsmanship, ultra-high sensible heat ratio, and nearby cooling, which can fully meet the cooling needs of high heat density data room.

Application Scenarios

Modular data center computer rooms, container data centers, high thermal density data centers, etc. in various industries such as finance, government, enterprises, energy, education, medical care, and the Internet.

Characteristic

High Efficiency and Energy Saving

- High-efficiency inverter compressor, intelligent adjustment of cooling capacity, stepless speed-adjustable fan, precise cooling and energy saving.
- The complete intelligent control system ensures the optimal system dynamics.
- The heat exchanger and air duct adopt CFD optimized design, and the heat and mass transfer with high efficiency and low resistance.
- Ultra-high sensible heat ratio to avoid repeated loss of humidification and dehumidification.

Rich Functions

- Support voltage, frequency detection and over-voltage, over- and under-frequency protection functions.
- With advanced energy efficiency management, the number of technology and group control is up to 32 units, easy to network.
- Support fan speed detection, fan speed abnormal warning and fan fault detection functions.
- Support optional dual power redundant power distribution scheme and lightning protection function.
- Support optional rope-type water immersion and point-type water immersion sensor functions.

High Reliability

- 365 days x 24 hours uninterrupted operation design.
- PTC electric heating, far infrared humidification, safe and reliable.
- Complete alarm protection and expert-level self-diagnosis function.

Intelligent Management

- Human-machine interface, humanized design of 7-inch large color touch LCD screen, one-button operation.
- Dynamic display of color images of components, temperature, and humidity trend curve display.
- Quick switch between Chinese and English system.

Easy Maintenance

- Real full frontal maintenance design, integrated direct connection design of fan and motor, no need to change the belt.
- Far-infrared humidifier, which can realize maintenance-free operation.
- Fan hot-swappable design, support online maintenance.

Space Saving

- Compact and modular design, saving the floor space and maintenance space of the unit to the greatest extent
- It can be easily disassembled, transported, and assembled on site according to the module.

Alarm Protection

- Complete automatic protection and alarm function Expert-level fault self-diagnosis function.
- Comprehensive parameter detection and adjustment functions
- Call self-start function, water leakage detection function.
- It has perfect anti-condensation control function and refrigerant leakage alarm function.

Strong Adaptability

- Wide range of cooling capacity.
- Meet the operating ambient temperature of -40~55 °C
- Long connecting pipe, high drop design.
- Can provide customers with fast and flexible customized solutions.

Indoor AC Technical Parameters

Parameter	Model	25KW	40KW	50KW
Air volume	m³/h	5000	8500	10500
Cooling capacity	kW	25.8	40	50
Sensible cooling capacity	kW	25.8	40	50
Electric heating	kW	3	6	
Humidification amount	kg/h	1.5	3	3
Maximum load current	A	28.2	40	
Unit size	width mm	300	600	600
	depth mm	1100	1100	1200
	height mm	2000	2000	2000
Weight	kg	240	330	340
The outdoor unit		OU-40	OU-60	OU-70
Number of outdoor units		1	1	1

Outdoor AC Technical Parameters

Parameter	Model	OU-40	OU-60	OU-70
Number of fans	tower	1	2	2
Unit size	W mm	1650	2010	2010
	D mm	1100	1100	1100
	H mm	1150	1150	1150
Full load current	A	2.9	5.8	5.8
Weight	kg	158	196	210

Ordering Information

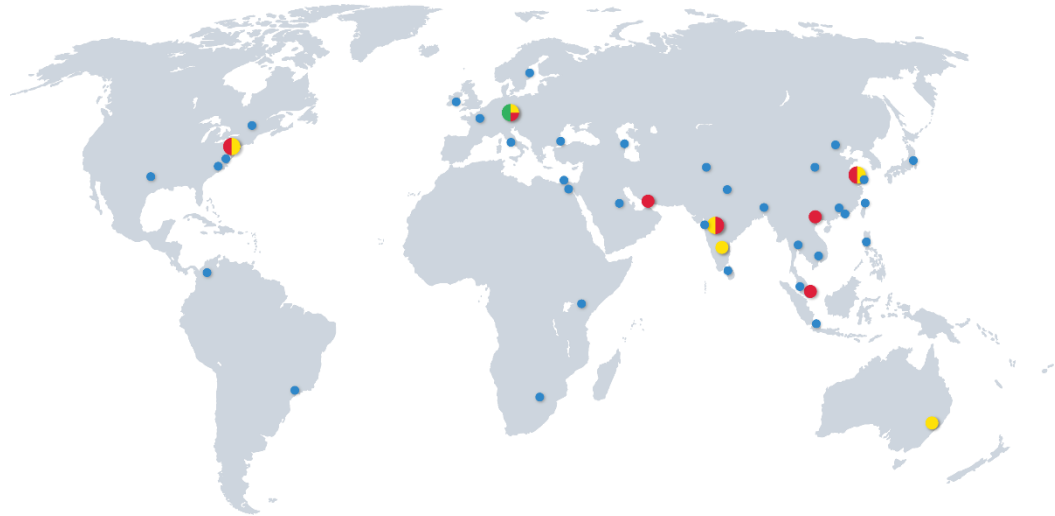
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Category	1.Texture	2.Refrigeration method	3.Additional functions
AC: Air conditioner	G: Inrow	1: air cooling	1: Single cold
	F: Room level	2: water cooling	2: Refrigeration electric heating
	J: Rack-mounted	3: Chilled water	3: Constant temperature and humidity
		4: Indirect evaporative cooling	4: Constant temperature and humidity (dual system)
4.Air supply direction	5.Power	6.Power	7.Outdoor unit
1: Top, left, and right air discharge	1:3.5kw	1: AC220V/50Hz	1: No outdoor unit
2: Left and right air discharge	2:6.5kw	2: AC380V/50Hz	2: Including outdoor unit
3: Horizontal air supply	3:7.5kw		
4: Sinking air supply	4:12.5kw		
5: Downward air supply	5:15kw		
6: Upward air supply	6:20kw		
7: Upward air supply (with hood)	7:25kw		
	8:30kw		
	9:35kw		
	A: 40kw		
	B: 45kw		
	C: 50kw		
	D: 60kw		
	E: 70kw		
	F:80kw		
	G:90kw		
	H:100kw		

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PROSE

GLOBAL FOOTPRINT



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