

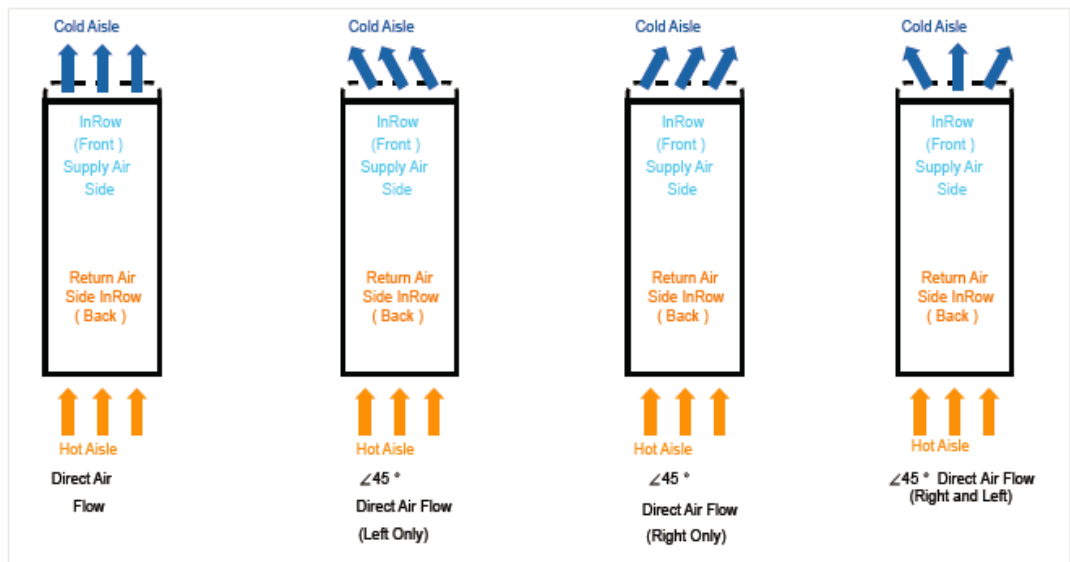


FEATURES

Application without special data center room
Achieve maximum space for servers
Built-in rack monitoring unit
Optional integration with UPS / distribution /Wiring
Double-layer tempered glass door
InRow row-based cooling unit, fully closed inner loop
Dustproof, low noise and high efficiency
Easy to be relocated

Supply Air Configuration I

Physical Data (mm): 300/600 (width)×1000~1200 (depth)×2000 (height)



Features of Giganet In-Row-based Cooling Unit

EVO Control System

- Graphic display, including the running status and the temperature/humidity of the inlet/outlet air
- Advanced team work function, up to 32 units and easy to set network
- Standard RS485 port, optional SNMP, TCP/IP interfaces, and GPRS with SMS
- Standard communication protocol, optional customized specifications

High Reliability

- All components are strictly certified
- Factory acceptance test for each unit
- EMI & EMS compliance with EU standards
- Complete protection and alarm for cooling system and electrical
- International brand components

Electronic Expansion Valve

- Adjust the throttle of valve smoothly and combine with the EC compressor to save the energy
- Wide range of operations, help reducing the overheat degree and improve the EER
- Realize the precise matching of cooling capacity and heat load
- Quick response, realize the precise cooling.

Significant Energy Saving

- DC inverter compressor: frequency adjusted dynamically, variable capacity. 20% energy saving than AC inverter compressor, 50% energy saving than constant speed compressor.
- Electronic Expansion Valve: adjust the overheat of cooling system precisely.
- EC fan: airflow could be adjusted continuously, 30% energy saving than AC fan.
- Low startup current, UPS as reserve power supply.

COOLING SYSTEMS

Giganet 3 Phase 20 Kw Inrow Cooling

Indoor Unit Model		GN-IR-3PH-6020A	
Power Supply		380V 3Ph 50Hz	
Return Air Condition		35°C /26%RH	37°C /24%RH
Performance Technical Data			
Total Cooling Capacity - kW		20.2	22.0
Sensible Cooling Capacity - kW		20.2	22.0
Sensible Heat Ratio		100.0%	100.0%
Max Power Consumption of Unit- kW		14.6	14.6
Full Load Amps (FLA)-A		30.6	30.6
Quantity of Compressor		1	1
Rated Power Consumption of Compressor - kW		4.9	5.3
Indoor EC Fan Technical Data			
Airflow - m³/h		4000	4000
Quantity of EC Fan		6	6
Rated Power Consumption of EC Fan - kW		0.7	0.7
Heating			
Heating Capacity- kW		3	3
Humidification			
Humidification Capacity- kg/h		3.0	3.0
Connection Size			
Gas - mm		19	19
Liquid - mm		12.7	12.7
Drain Pipe - ID, mm		25	25
Dimensions			
Width - mm		300	
Depth - mm		1200	
Height - mm		2000	
Weight - kg		160	
Outdoor Unit Technical Data			
Outdoor Unit Model		Part Number: GN-IR-C27	
Dimensions of Outdoor Unit			
FLA-A		15.3	
Operating Temperature Range (Standard)		35°C	
Operating Temperature Range (with Low-temperature Startup Kits)		-40°C to 45°C	
Physical Data			
Width - mm		1150	
Depth - mm		700	
Height - mm		1520	
Weight - kg		185	
Breakers & Cables			
Outdoor Unit	Breaker (A)	32	
	Power Cables - mm²	4	