

Part Number: GN-IR-3PH-6040A

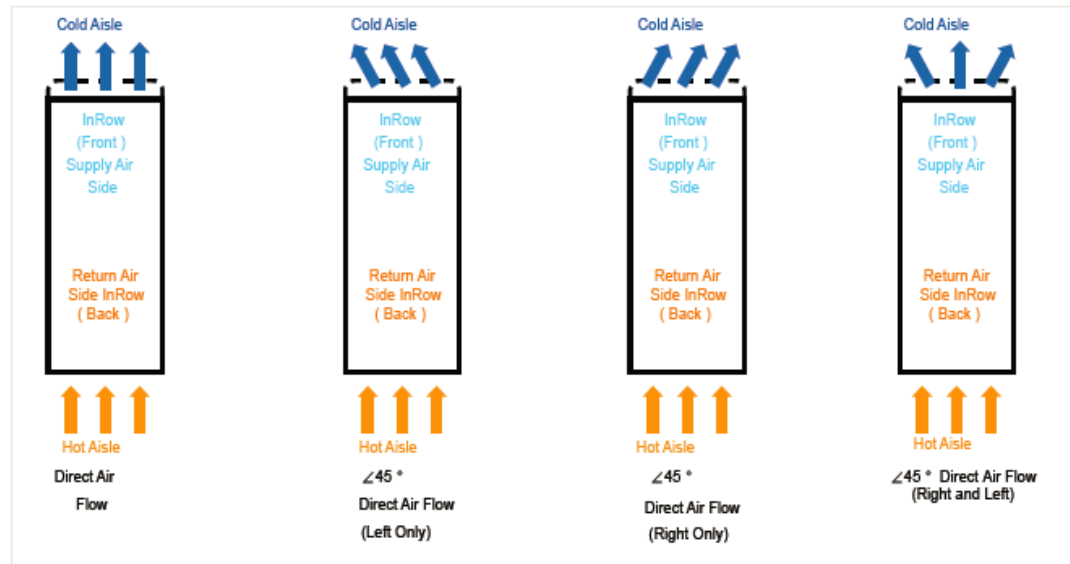


FEATURES

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 40 Kw Inrow Cooling

Indoor Unit Model	GN-IR-3PH-6040A	
Power Supply	380V 3Ph 50Hz	
Return Air Condition	35°C /26%RH	37°C /24%RH
Performance Technical Data		
Total Cooling Capacity - kW	36.6	39.2
Sensible Cooling Capacity - kW	36.6	39.2
Sensible Heat Ratio	100.0%	100.0%
Max Power Consumption of Unit- kW	21.4	21.4
Full Load Amps (FLA)-A	45.4	45.4
Quantity of Compressor	1	1
Rated Power Consumption of Compressor - kW	7.7	8.1
Indoor EC Fan Technical Data		
Airflow - m ³ /h	7500	7500
Quantity of EC Fan	4	4
Rated Power Consumption of EC Fan - kW	1.2	1.2
Heating		
Heating Capacity- kW	6	6
Humidification		
Humidification Capacity- kg/h	3.0	3.0
Connection Size		
Gas - mm	28	19
Liquid - mm	16	12.7
Drain Pipe - ID, mm	25	25
Dimensions		
Width - mm	600	
Depth - mm	1200	
Height - mm	2000	
Weight - kg	255	
Outdoor Unit Technical Data		
Outdoor Unit Model	Part Number: GN-IR-C55	
Dimensions of Outdoor Unit		
FLA-A	26.4	
Operating Temperature Range (Standard)	-15°C to 45°C	
Operating Temperature Range (with Low-temperature Startup Kits)	-40°C to 45°C	
Physical Data		
Width - mm	1950	
Depth - mm	700	
Height - mm	1520	
Weight - kg	265	
Breakers & Cables		
Outdoor Unit	Breaker (A)	40
	Power Cables - mm ²	6