

InsertAir™ Series

3.5 ~ 12.5 kW

RACK-MOUNTED COOLING

Efficient Cooling for
Reliable Performance



High Cooling
Efficiency



Stable &
Reliable Operation



Energy
Saving



Flexible
Rack Installation

InsertAir™ Series Rack-mounted Precision Cooling



Inverter Compressor



EEV

◆ Flexibility and Compatibility of Space

- ◆ Compatible with different cabinet, rack-mounted installation
- ◆ Occupy less space in racks

◆ Accurate Airflow

- ◆ Unique airflow distribution, it forms cold aisle at front
- ◆ "V" shape evaporator has large surface for air, low air resistance, and it makes cooling more high-efficient

◆ Accurate Air Volume Control

Standard stepless regulation EC fan, optimal airflow distribution, power saving fan

◆ Environmental Friendly

Environmental friendly R410A refrigerant

◆ High Efficient Dynamic Output

- ◆ Inverter compressor, it can be adjusted according to the thermal load in real time
- ◆ High efficient EC fan, it can adjust the air volume according to the thermal load in real time
- ◆ High return air temperature design, high sensible cooling and high power efficiency
- ◆ Stepless regulation outdoor unit, smooth running, power-consumption, low noise, high reliability
- ◆ Professional low load dehumidification design, it can control the humidity and temperature in the cabinet when the thermal load is very low
- ◆ Standard configuration of electronic expansion valve with strong adaptability, allows better energy saving effect in winter

◆ Technical Parameters

▼ DX Unit (Air-cooled Type)

IS***FA	Unit	003	007	012
Configuration	-	Constant temperature	Constant temperature	Constant temperature
Total cooling capacity ¹⁾	kW	3.5	7.0	12.5
Sensible capacity ¹⁾	kW	3.5	7.0	12.5
Air volume	m³/h	700	1350	2300
Heating capacity	kW	1.0	2.5	5.0
Humidification capacity (Wet film humidification)	kg/h	-	-	-
Number of compressor	PCS	1	1	1
Type of compressor	/	Inverter compressor		
Voltage	V	220	220	220
Frequency	Hz	50/60	50/60	50/60
Full load current	A	17.2	28.2	50.2
Unit weight	kg	30	41	54
Unit width	mm	440	440	440
Unit depth	mm	800	800	800
Unit height	mm	222	310	444
	U	5	7	10

▼ Supporting Outdoor Unit

KCS***	Unit	005	010	018
Voltage	V	220	220	220
Frequency	Hz	50/60	50/60	50/60
Unit weight	kg	38	53	75
Unit width	mm	905	944	988
Unit depth	mm	346	420	440
Unit height	mm	611	803	1257

Notes:

Data above is based on indoor return air temperature 35°C and 28%RH, outdoor ambient temperature 35°C.

Founded in 1988, for long time we have specialized in research, development, and manufacturing of **UPS, Precision Air Conditioner and Modular Data Center, Battery, PV Inverter, Energy Storage, and EV Charger** for over 30 years. It is a leading provider of comprehensive solutions in the smart energy sector.

