

# KSTAR InsertAir™ series rack-mounted precision air conditioner

Cooling capacity: 3~12kW



### ◎ Flexibility and compatibility of space

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

### ◎ Accurate airflow

- Unique airflow distribution, it forms cold aisle at front .

- "V" shape evaporator have 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.

### ◎ High efficient dynamic output

- DC 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.

### ◎ Environmental friendly

- Environmental friendly R410A refrigerant.



Stock code 002518

**KSTAR**

## Specification

### IS rack-mounted air conditioner

IS***FA	Unit	3		7		12	
Configuration	-	Constant temperature	Constant temperature and humidity	Constant temperature	Constant temperature and humidity	Constant temperature	Constant temperature and humidity
Total cooling <sup>1)</sup>	kW	3.5	3.5	7.0	7.0	12.5	12.5
Sensible cooling <sup>1)</sup>	kW	3.5	3.5	7.0	7.0	12.5	12.5
Volume	m <sup>3</sup> /h	700	700	1350	1350	2300	2300
Sensible heat ratio (SHR)	%	100	100	100	100	100	100
Heating power	kW	1.0	1.0	2.5	2.5	5.0	5.0
Humidifier capacity	kg/h	-	0.5	-	0.6	-	1
Number of compressor	PCS	1	1	1	1	1	1
Type of compressor(Standard)	/	DC inverter	DC inverter	DC inverter	DC inverter	DC inverter	DC inverter
Voltage	V	220 / 230	220 / 230	220 / 230	220 / 230	220 / 230	220 / 230
Frequency	Hz	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Phase	P	1	1	1	1	1	1
Full load	A	17.2	17.4	28.2	28.6	50.2	50.8
Unit weight	kg	27	30	36	39	55	58
Unit width	mm	440	440	440	440	440	440
Unit depth	mm	800	800	800	800	800	800
Unit height	mm	222	222	310	310	444	444
	U	5	5	7	7	10	10

### Outdoor unit

KCS***	Unit	005	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	898	935	981
Unit depth	mm	340	422	458
Unit height	mm	606	807	1256

#### Notes:

The data above is based on 37°C and 24%RH indoor return air temperature and humidity, and outdoor temperature is 35°C.

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.

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