

## CEILING/FLOOR 2<sup>nd</sup> GENERATION

### → General Characteristics

This unit is especially designed to save space. Due to its reduced depth, it is the perfect solution that adapts to every type of installation, from wall-mounted to floor standing, whether totally or partially recessed,

- 2 pipes.
- DC Inverter fan motor.
- Modbus RTU ports.

adapting perfectly to the aesthetics of the environment. In the standard unit, with air impulsion facing the user, the hydraulic connections are in the left side.

→ HORIZONTAL/VERTICAL INSTALLATION

→ DC INVERTER FAN



**KC-FC-S2**  
Recommended thermostat

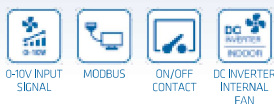


### CONTROLLERS COMPATIBLE WITH THE INTERFACE TO KAYSUN CONTROLLER

INDIVIDUAL WIRED	CENTRALISED	BMS INTEGRATION SYSTEMS	
KC-FC-S2 KC-FCD2	KCCT-64 I (B)	K01-LON K01-KNX 1 K01-KNX 16	K01-KNX 64 K01-BACNET

For further information, please see our Controllers range.

ACCESSORIES	
Recommended controller	KC-FC-S2
Thermostat for 2 pipe units	KC-FC-2T
Thermostat with display for 2 pipe units	KC-FCD2
Pipework kit for KFC-S2(E)-2T-250D until KFC-S2(E)-2T-500D	KIT TUB FC 2S(E)-2T
Pipework kit for KFC-S2(E)-2T-800D	KIT TUB FC 2S(E)-2T-1
3-way valve 3/4	KV3-FC 3/4
ON/OFF Actuator	KACT-0



## → Technical Specifications

### 2 PIPES CASED

MODEL			KFC-S2E-2T-250D	KFC-S2E-2T-350D	KFC-S2E-2T-500D	KFC-S2E-2T-800D
Capacity	Cooling min./max.	kW	1.19 / 2.35	2.2 / 3.5	2.71 / 4.3	4.57 / 7.35
	Sensitive cooling min./max.	kW	0.86 / 1.79	1.57 / 2.65	1.91 / 3.25	3.45 / 5.87
	heating min./max.	kW	1.34 / 2.6	2.19 / 3.5	2.6 / 4.3	4.71 / 8.05
Power input		W	7	10	14	22
Power input max.		W	17	26	50	113
Indoor unit	Air flow low/medium/high	m <sup>3</sup> /h	190 / 315 / 400	340 / 470 / 595	410 / 580 / 790	685 / 1015 / 1360
	Sound pressure low/medium/high	dB(A)	29 / 37 / 43	37 / 45 / 52	43 / 52 / 59	49 / 58 / 64
	Width/height/depth	mm	1020 / 495 / 200	1240 / 495 / 200	1240 / 495 / 200	1360 / 495 / 200
	Net weight	kg	21.5	25.5	25.5	32.5
	Power supply	V/ph/Hz	220/1/50	220/1/50	220/1/50	220/1/50
Hydraulic system	Water flow cooling min./max.	m <sup>3</sup> /h	0.21 / 0.4	0.38 / 0.6	0.47 / 0.74	0.79 / 1.27
	Water pipe connections	inch	3/4"	3/4"	3/4"	3/4"
Evaporator pressure drop	Cooling min./max.	kPa	4.6 / 13.3	15.4 / 34.1	22.8 / 54.2	19.4 / 44.1
	Heating min./max.	kPa	4.5 / 14.3	14.8 / 35.1	22.3 / 54.3	18.2 / 46.9

### 2 PIPES UNCASD

MODEL			KFC-S2-2T-250D	KFC-S2-2T-350D	KFC-S2-2T-500D	KFC-S2-2T-800D
Capacity	Cooling min./max.	kW	1.19 / 2.35	2.2 / 3.5	2.71 / 4.3	4.57 / 7.35
	Sensitive cooling min./max.	kW	0.86 / 1.79	1.57 / 2.65	1.91 / 3.25	3.45 / 5.87
	heating min./max.	kW	1.34 / 2.6	2.19 / 3.5	2.6 / 4.3	4.71 / 8.05
Power input		W	7	10	14	22
Power input max.		W	17	26	50	113
Indoor unit	Air flow low/medium/high	m <sup>3</sup> /h	190 / 315 / 400	340 / 470 / 595	410 / 580 / 790	685 / 1015 / 1360
	Sound pressure low/medium/high	dB(A)	29 / 37 / 43	37 / 45 / 52	43 / 52 / 59	49 / 58 / 64
	Width/height/depth	mm	858 / 455 / 200	1078 / 455 / 200	1078 / 455 / 200	1198 / 551 / 200
	Net weight	kg	16.5	19.5	19.5	25
	Power supply	V/ph/Hz	220/1/50	220/1/50	220/1/50	220/1/50
Hydraulic system	Water flow cooling min./max.	m <sup>3</sup> /h	0.21 / 0.4	0.38 / 0.6	0.47 / 0.74	0.79 / 1.27
	Water pipe connections	inch	3/4"	3/4"	3/4"	3/4"
Evaporator pressure drop	Cooling min./max.	kPa	4.6 / 13.3	15.4 / 34.1	22.8 / 54.2	19.4 / 44.1
	Heating min./max.	kPa	4.5 / 14.3	14.8 / 35.1	22.3 / 54.3	18.2 / 46.9

The product complies with the European Directive ErP (Energy Related Products), which includes the Commission Delegated Regulation (EU) N° 2016/2281, also known as Ecodesign LOT21. Airflow without ducts (0 Pa pressure available).

**Cooling capacity. Sensitive cooling capacity. Water flow cooling. Evaporator pressure drop cooling:** Water in inlet exchanger 7°C (thermal jump 5°C) - Ambient air 27°C DB/19°C WB.

**Heating capacity. Evaporator pressure drop heating:** Water in inlet exchanger 45°C (thermal jump 5°C) - Ambient air 20°C.

**Sound pressure:** Sound levels measured in an anechoic chamber and referred to unit for 2-pipe installation. Sound pressure level has been measured at 1 m distance from the external surface of the unit in open field operation.