

INDOOR UNITS

FCU SF2 DUCT 2 PIPES, 3 ROWS

MODEL			SF2-200D3	SF2-300D3	SF2-400D3	SF2-500D3	SF2-600D3
Power supply		V/Ph/Hz	220-240/1/50				
Air flow (H/M/L)		m³/h	377/301/226	542/424/305	735/602/446	789/635/475	1042/815/576
		CFM	222/177/133	319/249/179	432/354/262	464/374/279	613/479/339
Standard external static pressure		Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB				
Cooling	Capacity (H/M/L)	kW	2,45/2,05/1,59	3,35/2,89/2,21	4,25/3,69/2,88	4,55/3,92/2,97	5,85/4,88/3,66
	Water flow rate	m³/h	0,41/0,35/0,28	0,59/0,49/0,37	0,76/0,63/0,49	0,80/0,67/0,54	1,00/0,84/0,65
	Water pressure drop	kPa	17,0/13,7/13,0	23,0/17,6/10,6	19,0/14,7/9,4	23,0/19,0/12,1	34,0/26,5/18,6
Heating	Capacity (H/M/L)	kW	2,68/2,24/1,83	3,95/3,25/2,51	5,00/4,31/3,36	5,50/4,38/3,20	6,90/5,66/4,21
	Water flow rate	m³/h	0,45/0,38/0,33	0,67/0,55/0,42	0,89/0,74/0,57	0,92/0,76/0,59	1,16/0,96/0,75
	Water pressure drop	kPa	17,0/13,1/11,9	25,0/18,1/11,2	21,0/15,9/9,9	25,0/19,9/12,0	38,0/28,7/18,6
Max. power input		W	17	25	34	37	64
Sound pressure level		dB(A)	39/33/25	37/31/23	43/38/30	45/39/31	50/44/34
Fan motor	Type		DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
	Quantity		1	1	1	1	1
Fan	Type		Centrifugal, forward-curved blades				
	Quantity		1	2	2	2	2
Coil	Row		3	3	3	3	3
	Max. working pressure	MPa	1,6	1,6	1,6	1,6	1,6
	Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7
Net dimensions (WxHxD)		mm	632x243x482	773x243x482	908x243x482	908x243x482	1003x243x482
Packing size (WxHxD)		mm	698x270x520	843x270x520	978x270x520	978x270x520	1073x270x520
Net weight		kg	14,0	17,2	19,2	19,2	21,7
Gross weight		kg	16,0	19,5	22,2	22,2	24,5
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4
ADDITIONAL TECHNICAL INFORMATION							
Recommended power cable	Bellow 20m	mm²	3x2,5	3x2,5	3x2,5	3x2,5	3x2,5
Recommended air switch		A	B16	B16	B16	B16	B16
EQUIPMENT							
Drain pump			no	no	no	no	no
Max. lift (from bottom of ID)		mm	-	-	-	-	-
Built-in 3-way valve			no	no	no	no	no
Control fan speed (H/M/L)			no	no	no	no	no
Control 2 or 3-way valve			yes (230V)	yes (230V)	yes (230V)	yes (230V)	yes (230V)
Alarm connector			no	no	no	no	no
ON/OFF connector			yes (dry-contact)	yes (dry-contact)	yes (dry-contact)	yes (dry-contact)	yes (dry-contact)
Fresh air inlet		mm	no	no	no	no	no
BMS modbus RTU			yes	yes	yes	yes	yes
OPTIONAL ACCESSORIES							
Wire controller			SWC-61	SWC-61	SWC-61	SWC-61	SWC-61
Central controller			SCM-30	SCM-30	SCM-30	SCM-30	SCM-30
Control fan speed (H/M/L), ON/OFF, Alarm			SF2-DTK	SF2-DTK	SF2-DTK	SF2-DTK	SF2-DTK
Control fan speed (0-10V), valve control 0-10V			SF2-EC*	SF2-EC*	SF2-EC*	SF2-EC*	SF2-EC*

*SF2-EC require SF2-DTK

H: High fan speed, M: Medium fan speed, L: Low fan speed.

Cooling mode: entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C, with air return plenum and filter.

Heating mode: entering air temperature 20°C DB, entering/leaving water teperature 45/40°C, with air return plenum and filter.

Sound pressure level is tested in the semi-anechoic room with background noise is 17,5dB (A), when the unit is without accessories and running in dry condition, at 1m below & 1m front the vertical center line of the unit with 1m outlet duct.

Air flow is tested under dry condition, 20°C DB, with air return plenum and filter.

Left and right unit can be changed in the field, but cooling should be multiplied with correction factor 0,9.

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label.

INDOOR UNITS

FCU SF2 DUCT 2 PIPES, 3 ROWS

MODEL			SF2-700D3	SF2-800D3	SF2-1000D3	SF2-1200D3	SF2-1400D3
Power supply		V/Ph/Hz	220-240/1/50				
Air flow (H/M/L)		m³/h	1218/1031/844	1381/1093/816	1665/1204/740	1720/1379/1028	2202/1943/1670
		CFM	716/606/496	812/643/480	979/708/435	1012/811/605	1295/1143/982
Standard external static pressure		Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB				
Cooling	Capacity (H/M/L)	kW	6,50/6,04/5,09	8,02/6,65/5,37	9,05/7,10/4,97	10,08/7,25/6,02	11,11/10,58/9,77
	Water flow rate	m³/h	1,19/1,05/0,91	1,36/1,17/0,94	1,58/1,26/0,88	1,69/1,44/1,16	2,02/1,84/1,71
	Water pressure drop	kPa	22,0/19,0/15,6	32,00/26,06/18,05	32,00/22,01/11,71	27,0/20,7/14,0	33,00/29,29/25,92
Heating	Capacity (H/M/L)	kW	7,60/6,96/5,81	9,40/7,36/5,82	11,00/8,02/5,41	11,83/8,32/6,78	12,67/11,98/10,59
	Water flow rate	m³/h	1,38/1,22/1,05	1,53/1,26/0,98	1,78/1,36/0,92	1,94/1,64/1,30	2,23/2,04/1,84
	Water pressure drop	kPa	25,0/21,1/16,2	41,0/25,3/16,4	33,0/21,6/10,9	26,0/20,1/13,3	34,00/30,41/25,26
Max. power input		W	75	72	119	119	119
Sound pressure level	H/M/L	dB(A)	51/45/40	50/43/36	55/46/34	50/43/34	53/50/47
Fan motor	Type		DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
	Quantity		1	1	1	1	2
Fan	Type		Centrifugal, forward-curved blades				
	Quantity		2	3	3	4	4
Coil	Row		3	3	3	3	3
	Max. working pressure	MPa	1,6	1,6	1,6	1,6	1,6
	Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7
Net dimensions (WxHxD)		mm	1178x243x482	1368x243x482	1368x243x482	1658x243x482	1898x243x482
Packing size (WxHxD)		mm	1248x270x520	1438x270x520	1438x270x520	1728x270x520	1968x270x520
Net weight		kg	23,5	27,7	27,7	33,8	37
Gross weight		kg	26,8	30,7	30,7	38,3	41,5
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4
ADDITIONAL TECHNICAL INFORMATION							
Recommended power cable	Bellow 20m	mm²	3x2,5	3x2,5	3x2,5	3x2,5	3x2,5
Recommended air switch		A	B16	B16	B16	B16	B16
EQUIPMENT							
Drain pump			no	no	no	no	no
Max. lift (from bottom of ID)		mm	-	-	-	-	-
Built-in 3-way valve			no	no	no	no	no
Control fan speed (H/M/L)			no	no	no	no	no
Control 2 or 3-way valve			yes (230V)	yes (230V)	yes (230V)	yes (230V)	yes (230V)
Alarm connector			no	no	no	no	no
ON/OFF connector			yes (dry-contact)	yes (dry-contact)	yes (dry-contact)	yes (dry-contact)	yes (dry-contact)
Fresh air inlet		mm	no	no	no	no	no
BMS modbus RTU			yes	yes	yes	yes	yes
OPTIONAL ACCESSORIES							
Wire controller			SWC-61	SWC-61	SWC-61	SWC-61	SWC-61
Central controller			SCM-30	SCM-30	SCM-30	SCM-30	SCM-30
Control fan speed (H/M/L), ON/OFF, Alarm			SF2-DTK	SF2-DTK	SF2-DTK	SF2-DTK	SF2-DTK
Control fan speed (0-10V), valve control 0-10V			SF2-EC*	SF2-EC*	SF2-EC*	SF2-EC*	SF2-EC*

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Sound pressure level is tested in the semi-anechoic room with background noise is 17,5dB (A), when the unit is without accessories and running in dry condition, at 1m below & 1m front the vertical center line of the unit with 1m outlet duct.

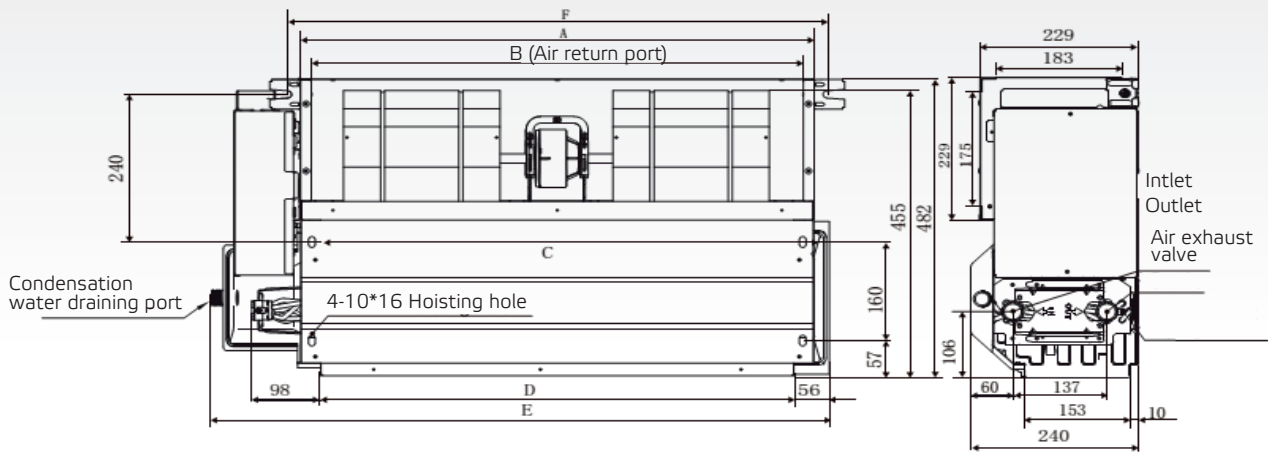
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APPEARANCE AND DIMENSIONS OF FAN COIL UNIT

FCU SF2 DUCT 2 PIPES, 3 ROWS



Size \ Model	200-Model	300-Model	400-Model 500-Model	600-Model	700-Model	800-Model 1000-Model	1200-Model	1400-Model
A	475	620	755	850	1025	1215	1505	1745
B	443	588	723	818	993	1183	1473	1713
C	443	588	723	818	993	1183	1473	1713
D	415	560	695	790	965	1155	1445	1685
E	627	772	907	1002	1177	1367	1657	1897
F	513	658	793	888	1063	1253	1543	1783