

INDOOR UNITS

FCU COMPACT FOUR-WAY CASSETTE, 2 PIPES

MODEL			SF-300C2M	SF-400C2M	SF-500C2M
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m³/h	535/429/322	610/477/381	781/611/494
		CFM	314/252/189	359/281/224	459/359/290
Cooling	Capacity (H/M/L)	kW	2,98/2,53/2	3,96/3,26/2,76	4,2/3,48/3,01
	Water flow rate	m³/h	0,53/0,45/0,35	0,7/0,58/0,51	0,75/0,61/0,54
	Water pressure drop	kPa	10/7/5	11,48/8,2/6,54	12,32/8,62/7,4
Heating	Capacity (H/M/L)	kW	4,01/3,35/2,61	5,4/4,34/3,57	5,76/4,69/3,84
	Water pressure drop	kPa	8,2/6/3,8	12,68/6,4/4,92	11,41/6,5/5,41
Max. power input		W	15	28	43
Sound pressure level (H/M/L)		dB(A)	39/33/27	42/36/30	43/38/32
Sound power level (H/M/L)		dB(A)	51/45/39	54/48/42	55/50/44
Fan motor	Type		DC motor	DC motor	DC motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved blades		
	Quantity		1	1	1
Coil	Row		2	2	2
	Max. working pressure	MPa	1,6	1,6	1,6
	Diameter	mm	Φ7	Φ7	Φ7
Panel	Net dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647
	Packing size (WxHxD)	mm	715x123x715	715x123x715	715x123x715
	Net weight	kg	2,5	2,5	2,5
	Gross weight	kg	4,5	4,5	4,5
Body	Net dimensions (WxHxD)	mm	575x261x575	575x261x575	575x261x575
	Packing size (WxHxD)	mm	670x290x670	670x290x670	670x290x670
	Net weight	kg	16,5	16,5	16,5
	Gross weight	kg	22,5	22,5	22,5
Pipe connections	Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4
	Drain pipe	mm	Φ25	Φ25	Φ25

ADDITIONAL TECHNICAL INFORMATION						
Recommended power cable	Below 20 m	mm²	3x2,5	3x2,5	3x2,5	
Recommended air switch		A	B16	B16	B16	

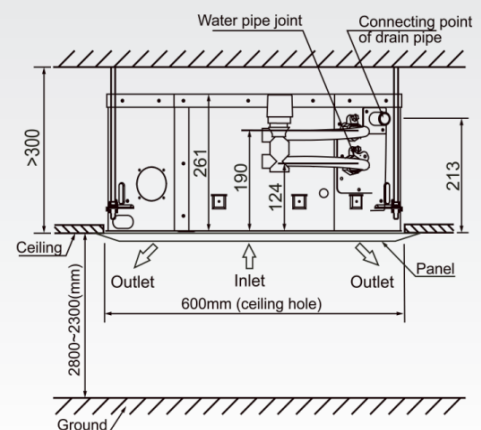
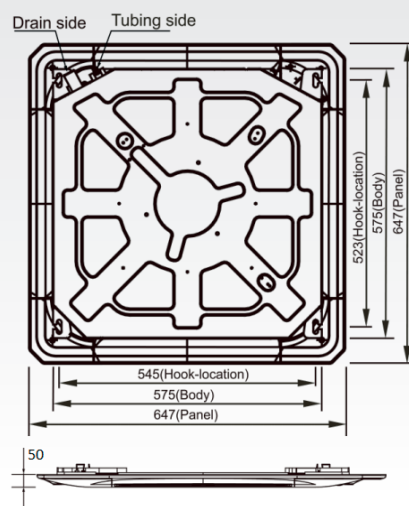
EQUIPMENT						
Drain pump			yes	yes	yes	
Max. lift (from bottom of ID)		mm	600	600	600	
Built-in 3-way valve			no	no	no	
Control 2 or 3-way valve			yes (230V)	yes (230V)	yes (230V)	
Alarm connector			yes (230V)	yes (230V)	yes (230V)	
ON/OFF connector			yes (dry-contact)	yes (dry-contact)	yes (dry-contact)	
Fresh air inlet		mm	Φ75	Φ75	Φ75	
BMS modbus RTU			yes	yes	yes	

STANDARD ACCESSORIES						
Water outlet joint			yes	yes	yes	
Clasp			yes	yes	yes	
Remote controller (IR)			R05	R05	R05	

OPTIONAL ACCESSORIES						
Wire controller			KJR-29B	KJR-29B	KJR-29B	
Central controller			SCM-30	SCM-30	SCM-30	

Note: 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. Heating mode: entering air temperature 20 °C DB, enter water teperature 50 °C. Same water flow as in standard rating condition in cooling. 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.

APPEARANCE AND DIMENSIONS OF INDOOR UNITS



INDOOR UNITS

FCU SF2 FOUR-WAY CASSETTE, 2 PIPES

MODEL			SF2-600C2	SF2-700C2	SF2-800C2	SF2-1000C2	SF2-1200C2
Power supply		V/Ph/Hz	220-240/1/50				
Air flow (SH/MH/H/M/L/ML/SL)		m³/h	1020/950/880/780/ 700/620/490	1190/1090/990/900/ 790/680/560	1360/1280/1180/1040/ 920/800/650	1700/1600/1450/1250/ 1150/1000/810	1950/1850/1650/1450/ 1300/1150/950
		CFM	600/558/517/458/ 411/364/288	700/641/582/529/ 464/400/329	800/752/694/611/ 541/470/382	1000/941/852/735/ 676/588/476	1147/1088/970/852/ 764/676/558
Cooling	Capacity (SH/MH/H/M/L/ML/SL)	kW	5,50/5,25/5,00/4,55/4,00/ 3,20/2,70	6,50/6,10/5,70/5,10/4,80/ 4,40/3,75	7,50/7,00/6,50/6,00/5,50/ 4,90/4,30	8,50/8,20/7,65/6,95/6,40/ 5,80/4,85	10,50/10,00/9,50/8,90/ 8,00/7,10/6,20
	Water flow rate	m³/h	1,04/0,97/0,90/0,81/0,71/ 0,58/0,49	1,20/1,08/0,99/0,90/0,82/ 0,76/0,70	1,33/1,23/1,13/1,06/0,96/ 0,85/0,77	1,56/1,46/1,35/1,22/1,12/ 1,01/0,86	2,02/1,89/1,76/1,64/1,50/ 1,32/1,16
Heating	Capacity (SH/MH/H/M/L/ML/SL)	kW	6,50/6,20/5,90/5,25/4,85/ 4,30/3,55	7,50/7,20/6,60/6,10/5,50/ 5,00/4,10	8,50/7,90/7,20/6,60/5,90/ 5,40/4,70	9,50/9,35/8,75/8,10/7,40/ 6,60/5,80	12,00/11,20/10,50/9,95/ 9,00/8,00/6,90
	Water flow rate	m³/h	1,18/1,09/1,04/0,94/0,84/ 0,75/0,64	1,35/1,28/1,19/1,07/0,97/ 0,88/0,81	1,48/1,39/1,28/1,17/1,03/ 0,93/0,83	1,73/1,66/1,57/1,44/1,30/ 1,16/1,02	2,23/2,08/1,89/1,72/1,56/ 1,38/1,20
Water pressure drop		kPa	45/35/32/30/25/20/18	30/28/25/20/18/16/14	35/32/29/25/20/18/14	45/40/35/30/25/20/18	45/40/35/30/25/20/17
Max. power input		W	40	45	60	100	200
Sound pressure level (SH/MH/H/M/L/ML/SL)		dB(A)	39,8/37,5/35,2/32,3/29,2/ 25,9/22,3	37,4/34,6/31,8/28,9/25,9/ 23,5/20,7	41,4/38,7/35,8/32,5/29,1/ 25,9/23,1	46,8/44,5/41,6/38,4/34,8/ 30,8/26,8	51,5/49,3/46,9/44,2/40,7/ 36,7/32,0
Sound power level (SH/MH/H/M/L/ML/SL)		dB(A)	51,5/49,1/46,5/43,6/40,4/ 36,9/33,6	50,9/48,4/45,6/42,8/39,9/ 39,1/36,7	52,7/50,2/47,5/44,5/41,2/ 37,4/35,3	59,1/56,8/54,1/51,1/47,7/ 43,9/40,3	63,5/61,2/58,6/55,7/52,4/ 48,5/44,1
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	1	1	1	1
Coil	Row		2	2	2	2	3
	Max. working pressure	MPa	1,6	1,6	1,6	1,6	1,6
	Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7
Panel	Net dimensions (WxHxD)	mm	950x77x950	950x77x950	950x77x950	950x77x950	950x77x950
	Packing size (WxHxD)	mm	1020x90x1020	1020x90x1020	1020x90x1020	1020x90x1020	1020x90x1020
	Net weight	kg	5,8	5,8	5,8	5,8	5,8
	Gross weight	kg	7,6	7,6	7,6	7,6	7,6
Body	Net dimensions (WxHxD)	mm	840x204x840	840x288x840	840x288x840	840x288x840	840x288x840
	Packing size (WxHxD)	mm	940x250x940	940x335x940	940x335x940	940x335x940	940x335x940
	Net weight	kg	19,3	23,6	23,6	23,6	25,9
	Gross weight	kg	22,3	26,2	26,2	26,2	28,3
Pipe connections	Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
	Drain pipe	mm	Φ25	Φ25	Φ25	Φ25	Φ25
ADDITIONAL TECHNICAL INFORMATION							
Recommended power cable	Below 20m	mm²	3x2,5	3x2,5	3x2,5	3x2,5	3x2,5
Recommended air switch		A	B16	B16	B16	B16	B16
EQUIPMENT							
Drain pump			yes	yes	yes	yes	yes
Max. lift (from bottom of ID)		mm	1200	1200	1200	1200	1200
Built-in 3-way valve			no	no	no	no	no
Control 2 or 3-way valve			yes (230V)	yes (230V)	yes (230V)	yes (230V)	yes (230V)
Alarm connector			yes (230V)	yes (230V)	yes (230V)	yes (230V)	yes (230V)
ON/OFF connector			yes (dry-contact)	yes (dry-contact)	yes (dry-contact)	yes (dry-contact)	yes (dry-contact)
Fresh air inlet		mm	Φ103	Φ103	Φ103	Φ103	Φ103
BMS modbus RTU			yes	yes	yes	yes	yes
OPTIONAL ACCESSORIES							
Remote controller (IR)			SRC-61	SRC-61	SRC-61	SRC-61	SRC-61
Wire controller			SWC-61, SWC-62, SWC-63	SWC-61, SWC-62, SWC-63	SWC-61, SWC-62, SWC-63	SWC-61, SWC-62, SWC-63	SWC-61, SWC-62, SWC-63
Central controller			SCM-30	SCM-30	SCM-30	SCM-30	SCM-30
Control fan speed (H/M/L), ON/OFF, Alarm			SF2-CTK	SF2-CTK	SF2-CTK	SF2-CTK	SF2-CTK
Control fan speed (0-10V), valve control 0-10V			SF2-EC*	SF2-EC*	SF2-EC*	SF2-EC*	SF2-EC*

*SF2-EC require SF2-CTK

Cooling mode: entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.

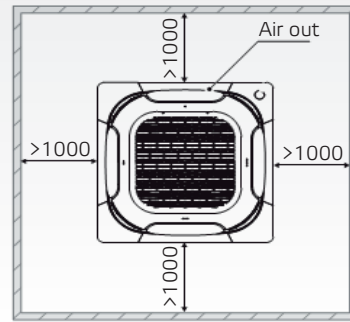
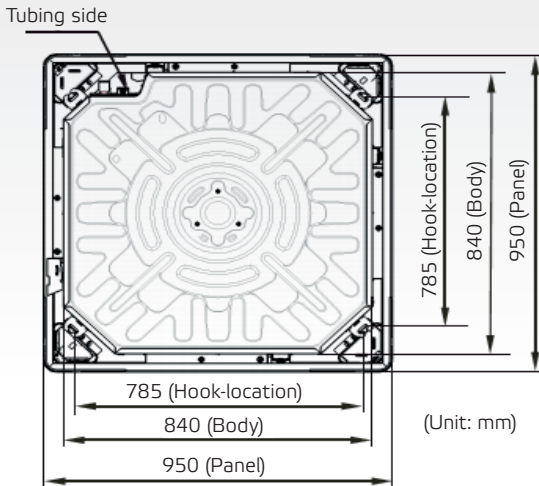
Heating mode: entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.

Sound power levels are measured 1m around the unit in a semi-anechoic chamber. During in-situ operation. Sound pressure levels are measured 1m below and right of the unit in a semi-anechoic chamber.

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APPEARANCE AND DIMENSIONS OF FAN COIL UNIT

FCU SF2 FOUR-WAY CASSETTE, 2 PIPES



Model	Size (mm)	A	B	C	D	E	F
SF2-600C2		140	103	323	85	155	204
SF2-700-1200C2		140	103	323	160	230	288
SF2-600-1200C4							

