



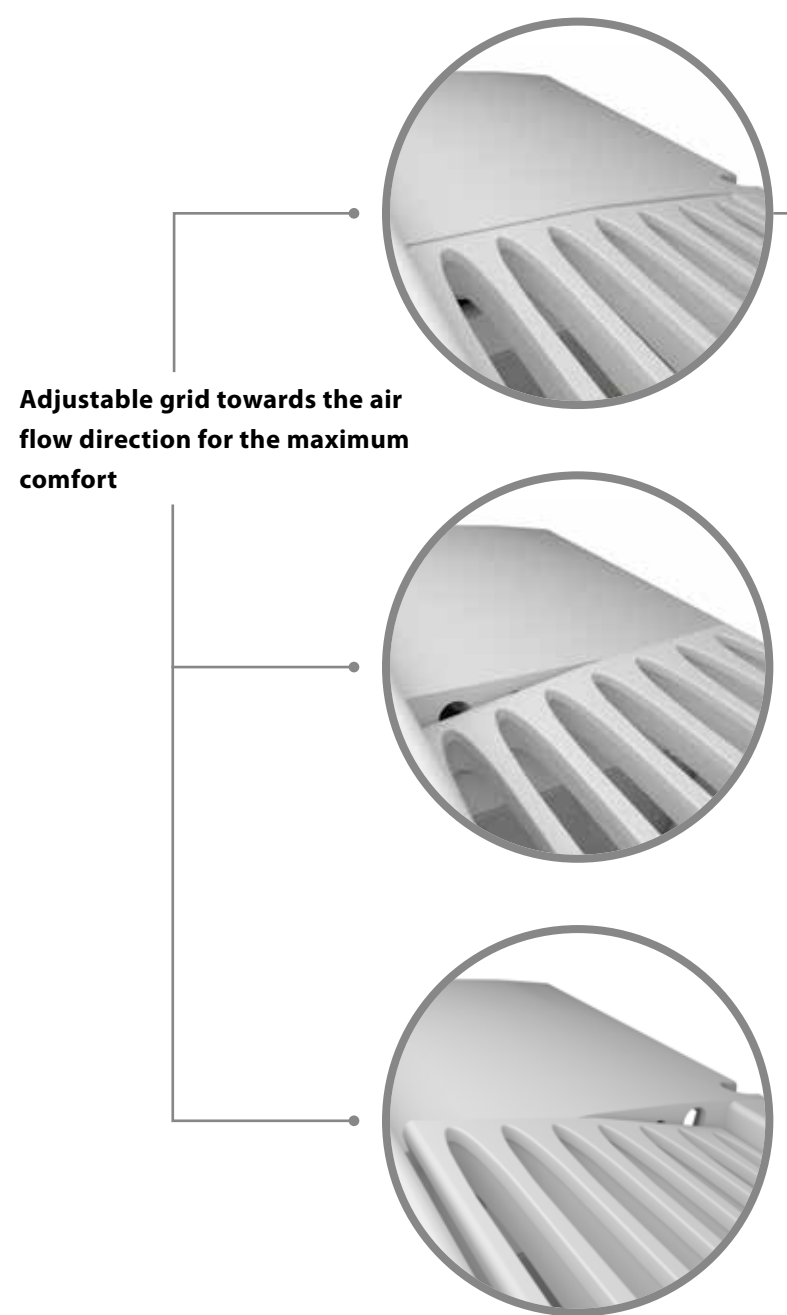
CARISMA **WHISPER**

Residential Fan Coil Unit

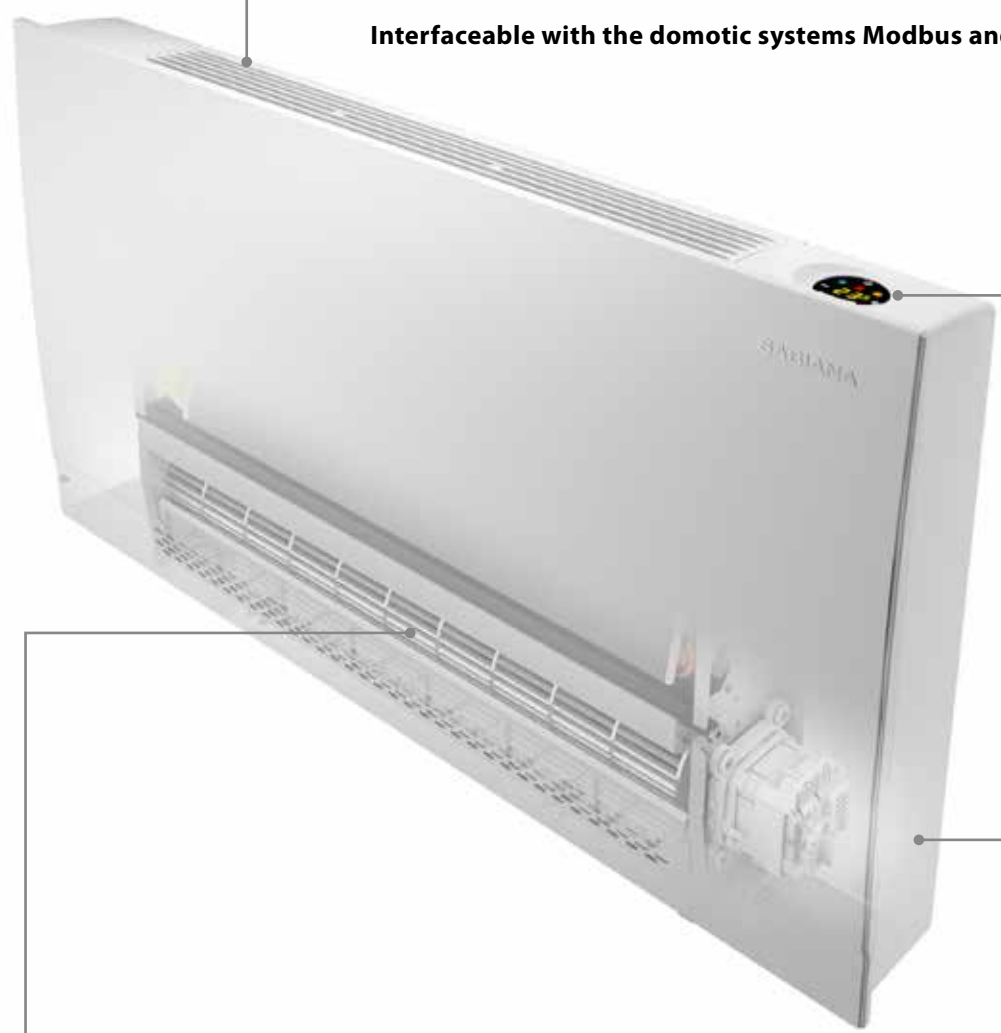


The design of silence.

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Adjustable grid towards the air flow direction for the maximum comfort



Tangential fan: solidity and noiselessness together

The double aspiration reduces the noise and optimizes the performances



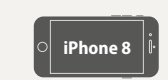
Digital touch control that can be managed via wi-fi and bluetooth with the Sabiana Cloud app, available in both versions Android and IOS



Interfaceable with the domotic systems Modbus and KNX



It is also available in the version for concealed installation and with Breeze Kit



Maximum performance, reduced dimension: there are no such efficient and compact fan coil units on the market

EC motor with inverter at low energy consumption

Controls and valves already assembled: more easy installation

Electronic board with contacts for the activation of the boiler or the heat pump

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Main performance

The following standard rating conditions are used:

Cooling (summer operation)
 Entering air temperature: +27 °C d.b., +19 °C w.b.
 Water temperature: +7 °C entrata, +12 °C uscita

Heating (winter operation)
 Entering air temperature: +20 °C
 Water temperature: +45 °C E.W.T, +40 °C L.W.T

MODEL	CFF-ECM 10						CFF-ECM 20						CFF-ECM 30							
	1	2	3,5	5	7,5	10	1	2	3,5	5	7,5	10	1	2	3,5	5	7,5	10		
Inverter power	MIN		MED		MAX		MIN		MED		MAX		MIN		MED		MAX			
Air flow	m³/h		75	90	110	130	170	205	125	145	175	205	255	305	190	225	270	315	395	470
Cooling total emission	kW		0,40	0,48	0,58	0,66	0,80	0,92	0,67	0,83	1,01	1,15	1,39	1,62	0,92	1,08	1,56	1,91	2,30	2,61
Cooling sensible emission	kW		0,30	0,36	0,44	0,52	0,64	0,75	0,50	0,62	0,76	0,88	1,08	1,28	0,67	0,79	1,15	1,41	1,72	1,99
Heating emission	kW		0,55	0,60	0,68	0,78	0,96	1,10	0,97	1,01	1,16	1,32	1,57	1,81	1,52	1,62	1,85	2,10	2,53	2,90
Dp Cooling	kPa		4,9	6,0	7,5	9,1	12,0	14,7	3,1	3,6	4,3	4,9	6,1	7,4	4,5	5,4	8,6	11,5	15,2	18,6
Dp Heating	kPa		6,1	6,7	8,0	9,6	13,0	16,2	3,7	3,9	4,4	5,0	6,1	7,3	7,1	7,7	9,2	11,0	14,6	18,2
Motor power input	W		3,2	3,5	4,2	5,2	7,4	10,3	3,7	4,0	4,9	6,3	9,5	14,0	4,1	4,8	6,3	8,6	14,1	21,6
Sound power (Lw)	dB(A)		31	33	36	40	45	50	30	33	38	42	47	52	32	34	39	43	47	53
Sound pressure (Lp) ⁽¹⁾	dB(A)		22	24	27	31	36	41	21	24	29	33	38	43	23	25	30	34	38	44

CFF-ECM 10: suitable for ambients whose surface ranges from 7 until 11 mq approx.*
 CFF-ECM 20: suitable for ambients whose surface ranges from 11 until 17 mq approx.*
 CFF-ECM 30: suitable for ambients whose surface ranges from 17 until 26 mq approx.*

MODEL	CFF-ECM 40						CFF-ECM 50							
	1	2	3,5	5	7,5	10	1	2	3,5	5	7,5	10		
Inverter power	MIN		MED		MAX		MIN		MED		MAX			
Air flow	m³/h		220	260	320	380	480	575	255	300	365	430	535	645
Cooling total emission	kW		1,14	1,45	2,06	2,50	2,97	3,36	1,44	1,95	2,55	2,92	3,37	3,81
Cooling sensible emission	kW		0,67	0,79	1,15	1,41	1,72	1,99	1,04	1,40	1,82	2,10	2,47	2,83
Heating emission	kW		1,79	1,91	2,23	2,58	3,13	3,62	2,19	2,25	2,61	3,00	3,60	4,20
Dp Cooling	kPa		7,3	10,2	17,3	23,7	31,7	39,1	4,6	6,4	9,1	11,2	13,9	16,9
Dp Heating	kPa		11,7	12,9	16,3	20,6	28,3	36,2	6,4	6,6	8,0	9,7	12,8	16,2
Motor power input	W		4,7	5,4	7,2	9,9	16,4	25,4	5,3	6,1	8,2	11,4	19,0	29,5
Sound power (Lw)	dB(A)		33	37	41	45	51	55	34	38	42	46	51	55
Sound pressure (Lp) ⁽¹⁾	dB(A)		24	28	32	36	42	46	25	29	33	37	42	46

CFF-ECM 40: suitable for ambients whose surface ranges from 21 until 32 mq approx.*
 CFF-ECM 50: suitable for ambients whose surface ranges from 24 until 36 mq approx.*

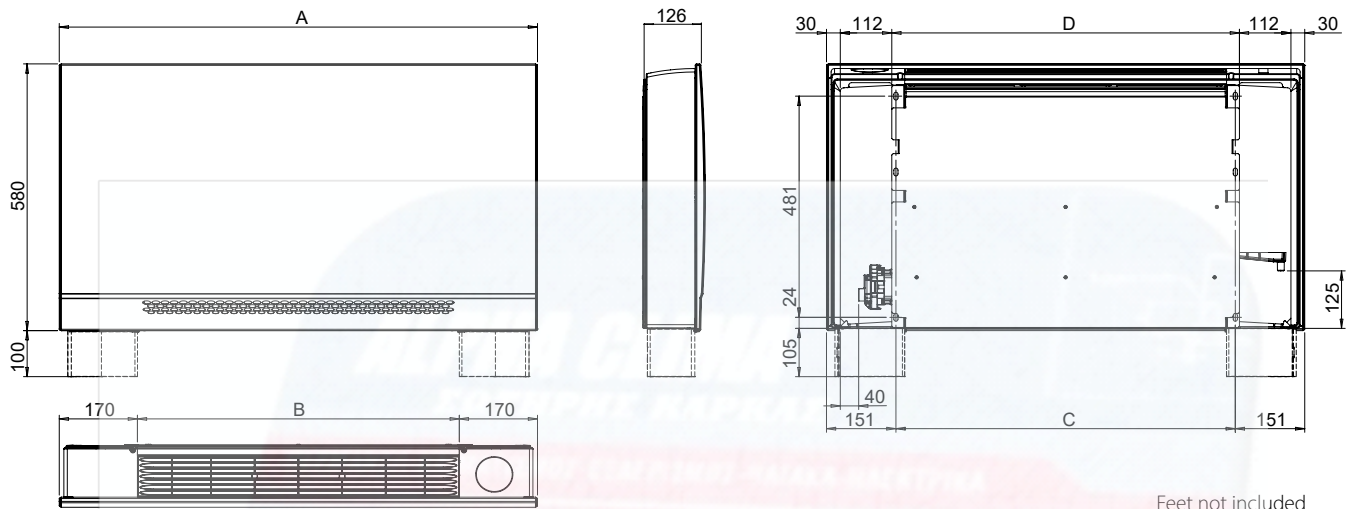
(1) The sound pressure levels are 9 dB (A) lower than the sound power levels, apply to the reverberant field of a 100 m³ room and a reverberation time of 0.5 sec.

*surface in mq (square meters) defined with an air flow rate equal to 6 volume/hour at the medium speed (reduced surface, favouring the noiselessness) or at the maximum speed (maximum surface, favouring the compactness), for 3 m high ambients

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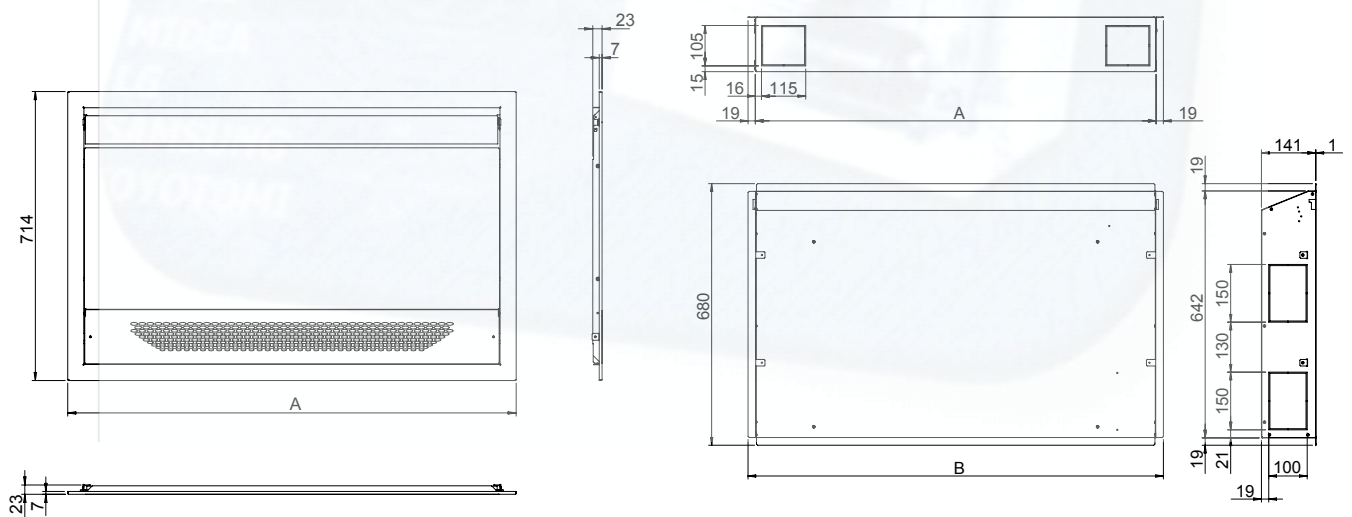
MV version



Feet not included

Model	CFF-ECM 10	CFF-ECM 20	CFF-ECM 30	CFF-ECM 40	CFF-ECM 50
A (mm)	640	840	1040	1240	1440
B (mm)	300	500	700	900	1100
C (mm)	338	538	738	938	1138
D (mm)	356	556	756	956	1156

Breeze frame kit for wall concealed installation



Model	A	ID
CFF-ECM 20	908	CBF-A
CFF-ECM 30	1108	CBF-B
CFF-ECM 40	1308	CBF-C

Model	A	B	ID
CFF-ECM 20	842	880	IBF 2
CFF-ECM 30	1042	1080	IBF 3
CFF-ECM 40	1242	1280	IBF 4

* For all other dimensions, see the Technical Guide.

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