

AURA

Water terminal unit

By water

DC fan

Reversible hydraulic connections on site

Capacity from 1,5 to 8,2 kW



CFFU
uncased



CFFC
cased

- ✓ Compact and quiet, with an elegant design suitable for any room
- ✓ Cased and uncased installation, vertical and horizontal, bottom and front return
- ✓ Versions for 2-pipe and 4-pipe systems
- ✓ DC technology for energy savings up to 70%
- ✓ Can be easily managed by external control systems



Unit listed on
www.eurovent-certification.com



compliant
ErP



functions and features



Cool & heat



Vertical
cased



Vertical:
uncased



Horizontal:
cased



Horizontal:
uncased



Water

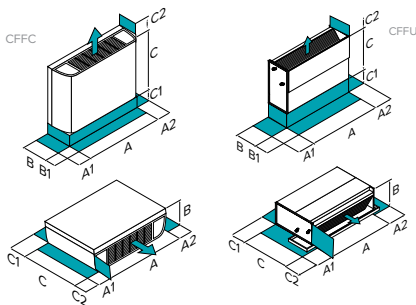


ELFOControl[®]
EVO



DC Motor

dimensions and clearances



CAUTION!

For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.

Size			1	2	3	4	5	6	7	8	9	10	11	12	
CFFC (cased)	DIMENSIONS	A	mm	790	790	1020	1020	1240	1240	1240	1240	1360	1360	1360	
		B	mm	200	200	200	200	200	200	200	200	200	200	200	
		C	mm	495	495	495	495	495	495	495	495	495	495	495	
		A1	mm	150	150	150	150	150	150	150	150	150	150	150	
		A2	mm	150	150	150	150	150	150	150	150	150	150	150	
		C1 (R3 only)	mm	90	90	90	90	90	90	90	90	90	90	90	90
WEIGHT		C2	mm	150	150	150	150	150	150	150	150	150	150	150	
		CFFC CC2 R3	kg	18	18,5	21,5	22	25,5	26,5	25,5	26,5	28,5	29,5	32,5	34,5
WEIGHT		CFFC CC4 R3	kg	19	-	22,5	-	27	-	27	-	30	-	35	-
		A	mm	628	628	858	858	1078	1078	1078	1078	1198	1198	1198	1198
CFFU (uncased)	DIMENSIONS	B	mm	200	200	200	200	200	200	200	200	200	200	200	
		C	mm	455	455	455	455	455	455	455	455	455	455	455	
		A1	mm	150	150	150	150	150	150	150	150	150	150	150	
CLEARANCES		A2	mm	150	150	150	150	150	150	150	150	150	150	150	
		C1	mm	90	90	90	90	90	90	90	90	90	90	90	
WEIGHT		C2	mm	150	150	150	150	150	150	150	150	150	150	150	
		CFFU CC2 R3	kg	11,8	12,1	13,9	14,8	17,3	18,2	17,3	18,2	19,6	20,8	23,1	24,3
	CFFU CC4 R3	kg	12,6	-	15,3	-	18,7	-	18,7	-	21,3	-	24,8	-	

The above mentioned data are referred to standard units for the constructive configurations indicated. For all the other configurations, refer to the relative Technical Bulletin.

versions and configurations

VERSION:

CFFC	Cased version for vertical and horizontal installation
CFFU	Uncased version for vertical and horizontal installation

TYPE OF SYSTEM:

CC2	2-pipe (Standard)
CC4	4-pipe

RETURN:

R3	Return from the bottom (vertical installation / from the back (horizontal installation) (Standard)
RF	Air return from the front (vertical installation) / from the bottom (horizontal installation)

HYDRAULIC CONNECTIONS

SX	Pipes connection on the left (Standard)
DX	Right side fittings

BUILT-IN VALVES

-	not required (Standard)
3V2	3-way ON/OFF valves for 2-pipe version
3V4	3-way ON/OFF valves for 4-pipe version

BUILT-IN THERMOSTAT:

NOHMI	not required (Standard)
HMIDM	KJRP-75 control mounted on board

technical data

Size		CFF	1**	2	3**	4	5*	6	7*	8**	9*	10**	11*	12**
2 pipe														
High speed														
Air flow rate		m ³ /h	255	255	400	425	595	595	790	800	1190	1190	1360	1300
◆ Cooling capacity	(1)	kW	1,5	1,95	2,35	2,85	3,5	3,9	4,3	4,85	5,6	6,35	7,35	8,25
Sensible capacity	(1)	kW	1,14	1,42	1,79	2,06	2,65	2,9	3,25	3,63	4,62	4,98	5,87	6,12
Water flow-rate	(1)	l/h	260	330	400	490	600	670	740	830	960	1090	1270	1430
Water pressure drop	(1)	kPa	13,94	27,2	13,33	26,01	34,08	37,4	54,22	54,33	50,67	32,77	44,12	71,43
◆ Heating capacity	(2)	kW	1,57	2,05	2,6	2,95	3,8	4	4,7	5,25	6	7,05	8,05	8,7
Water flow-rate	(2)	l/h	270	350	450	510	650	700	810	910	1040	1220	1390	1510
Water pressure drop	(2)	kPa	15,1	25,34	14,31	24,38	35,13	36,52	54,29	53,44	55,49	37,61	46,88	62,61
Total power input		W	15	19	16	18	24	28	47	47	84	87	107	106
Medium speed														
Air flow rate		m ³ /h	170	210	315	300	470	450	580	600	855	875	1015	980
◆ Cooling capacity	(1)	kW	1,06	1,66	1,94	2,13	2,89	3,2	3,48	3,92	4,47	5,19	6,12	6,65
Sensible capacity	(1)	kW	0,77	1,19	1,44	1,51	2,14	2,35	2,56	2,85	3,6	3,98	4,74	4,82
Water flow-rate	(1)	l/h	180	280	340	370	500	550	600	670	770	900	1050	1140
Water pressure drop	(1)	kPa	8,21	20,88	9,98	15,06	24,63	25,91	36,22	36,81	33,38	21,75	33,7	46,17
Heating capacity	(2)	kW	1,07	1,75	2,11	2,15	3,1	3,22	3,7	4,09	4,77	5,61	6,46	6,81
Water flow-rate	(2)	l/h	190	300	370	370	530	560	640	710	830	980	1120	1180
Water pressure drop	(2)	kPa	7,63	19,65	10,33	13,65	24,41	25,34	36,87	36,54	37,66	25,47	31,9	41,06
Total power input		W	9	14	11	11	16	17	24	25	40	44	50	51
Low speed														
Air flow rate		m ³ /h	150	150	190	190	340	310	410	420	505	530	685	680
◆ Cooling capacity	(1)	kW	0,92	1,21	1,19	1,41	2,22	2,43	2,71	2,93	3,14	3,62	4,57	4,84
Sensible capacity	(1)	kW	0,66	0,85	0,86	0,96	1,57	1,72	1,91	2,08	2,43	2,68	3,45	3,42
Water flow-rate	(1)	l/h	160	210	210	240	380	420	470	510	540	630	790	830
Water pressure drop	(1)	kPa	6,16	12,2	4,59	7,41	15,39	15,37	22,78	21,77	17,73	11,43	19,41	25,39
◆ Heating capacity	(2)	kW	0,92	1,25	1,34	1,42	2,35	2,39	2,81	3,04	3,36	3,83	4,71	4,85
Water flow-rate	(2)	l/h	160	220	230	240	400	410	480	530	590	670	820	830
Water pressure drop	(2)	kPa	5,84	10,25	4,5	6,64	14,82	14,22	22,32	20,47	19,27	12,5	18,16	21,68
Total power input		W	8	9	7	8	10	10	14	13	17	18	21	22
Standard power supply		V/n°/Hz	220-240/1/50											
Type of supply fan	(3)	-	CFG											
No. of supply fan		-	1	1	2	2	2	2	2	2	3	3	3	3
H Sound pressure level	(4)	dB(A)	34	39	29	32	38	40	46	45	50	50	51	50
M Sound pressure level	(4)	dB(A)	24	33	24	23	32	34	38	39	42	43	44	43
L Sound pressure level	(4)	dB(A)	21	25	18	19	23	30	30	30	31	31	33	33
H Sound power level	(4)	dB(A)	47	52	43	46	52	52	59	59	64	62	63	63
M Sound power level	(4)	dB(A)	36	46	37	37	44	45	51	51	56	56	58	57
L Sound power level	(4)	dB(A)	34	38	29	29	36	36	43	43	45	46	49	47

The Product is compliant with the Erp (Energy Related Products) European Directive. It includes the Commission delegated Regulation (EU) No 2016/2281, also known as Ecodesign Lot21.

Airflow with free outlet (0 Pa static pressure)

(1) Entering exchanger water 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.

(2) Entering exchanger water 45°C (temperature differential 5°C) - Ambient air 20°C

(3) CFG = Centrifugal fan

(4) Sound levels tested in anechoic chamber and referring to units for 2-pipe systems. The sound pressure level refers to 1 m from the external surface of the unit operating in the open field

* Available while stocks last

** RF version available while stocks last

technical data

Size	CFF	3*	5*	9*	
4 pipe					
High speed					
Air flow rate		m ³ /h	425	595	1190
♦ Cooling capacity	(1)	kW	2,7	3,8	6,05
Sensible capacity	(1)	kW	1,9	2,8	4,8
Water flow-rate	(1)	l/h	460	650	1040
Water pressur drop	(1)	kPa	16,97	39,17	53,66
♦ Heating capacity	(2)	kW	2,3	2,88	4,6
Water flow-rate	(2)	l/h	200	250	390
Water pressur drop	(2)	kPa	28,16	55,37	132,32
Total power input		W	20	29	92
Medium speed					
Air flow rate		m ³ /h	280	461	887
♦ Cooling capacity	(1)	kW	1,94	3,18	5
Sensible capacity	(1)	kW	1,3	2,3	3,88
Water flow-rate	(1)	l/h	330	550	860
Water pressur drop	(1)	kPa	9,73	28,35	36,96
Heating capacity	(2)	kW	1,78	2,49	3,95
Water flow-rate	(2)	l/h	150	210	340
Water pressur drop	(2)	kPa	18,45	43	104,19
Total power input		W	11	17	46
Low speed					
Air flow rate		m ³ /h	158	324	564
♦ Cooling capacity	(1)	kW	1,1	2,32	3,43
Sensible capacity	(1)	kW	0,7	1,61	2,53
Water flow-rate	(1)	l/h	190	400	590
Water pressur drop	(1)	kPa	3,51	16,91	19,07
♦ Heating capacity	(2)	kW	1,22	2	3,02
Water flow-rate	(2)	l/h	100	170	260
Water pressur drop	(2)	kPa	10,08	29,2	63,73
Total power input		W	8	11	19
Standard power supply		V/n ² /Hz			
Type of supply fan	(3)	-			
No. of supply fan		-	2	2	3
H Sound pressure level	(4)	dB(A)	32	40	50
M Sound pressure level	(4)	dB(A)	23	34	43
L Sound pressure level	(4)	dB(A)	19	30	31
H Sound power level	(4)	dB(A)	46	52	62
M Sound power level	(4)	dB(A)	37	45	56
L Sound power level	(4)	dB(A)	29	36	46

The Product is compliant with the Erp (Energy Related Products) European Directive. It includes the Commission delegated Regulation (EU) No 2016/2281, also known as Ecodesign Lot21.

Airflow with free outlet (0 Pa static pressure)

(1) Entering exchanger water 7°C (temperature differential 5°C) - Ambient air 27°C D.B. / 19°C W.B.

(2) Entering exchanger water 65°C (temperature differential 10°C) - Ambient air 20°C

(3) CFG = Centrifugal fan

(4) Sound levels tested in anechoic chamber and referring to units for 2-pipe systems. The sound pressure level refers to 1 m from the external surface of the unit operating in the open field

* RF version available while stocks last

accessories

- 3V2X** Three-way valve kit for 2-pipe type "on/off" system
- 3V4X** Three-way valve kit for 4-pipe type "on/off" system
- BRVHX** Auxiliary condensate collection tray ausiliaria for vertical/horizontal installation
- KPDX** Plinth kit
- CCM09** Wired centraliser with weekly scheduler
- KJR90X** KJR-90D electronic room control for wall installation
- CCM30-BX** Centralized controller with case
- KJR150X** Indoor units' group controller

- HMIFDCX** KJRP-75A electronic wired control for on-board or wall-mounted assembly (for DC versions)
- EXTENX** KJRP-75 wired control connection cable extension (2m)
- CCM-180A/WS** Central controller for wall mounting weekly timer 6.2"
- CCM-270A/WS** Central controller for wall mounting weekly timer 10.1"
- KCMDX** Motor connection cables for units with connections on the right (for DC versions and size 9-10-11-12)

Accessories whose code ends with "X" are separately supplied.