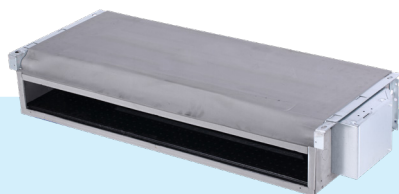


AURA

Water terminal unit

Cased and uncased, vertical and horizontal indoor installation.

Capacity from 1,6 to 8,2 kW



CFFAU
uncased



CFFAC
cased



ErP compliant



- ✓ 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
- ✓ Can be easily managed by external control systems
- ✓ Reversible hydraulic connections on site

functions and features



Cool & heat



Vertical:
cased



Vertical:
uncased



Horizontal:
cased



Horizontal:
uncased

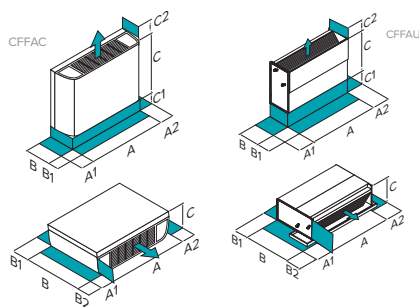


Water



ELFOControl³
EVO

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		CFFA	1	2	3	4	5	6	7	8	9	10	11	12
DIMENSIONS	A - Length	mm	790	790	1010	1010	1240	1240	1240	1360	1360	1360	1360	1360
	B - Width	mm	200	200	200	200	200	200	200	200	200	200	200	200
	C - Height	mm	495	495	495	495	495	495	495	495	495	495	495	591
CLEARANCES	A1	mm	150	150	150	150	150	150	150	150	150	150	150	150
	A2	mm	150	150	150	150	150	150	150	150	150	150	150	150
	C2	mm	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
WEIGHT	C1	mm	90	90	90	90	90	90	90	90	90	90	90	90
	CFFAC CC2 R3	kg	16,3	16,7	20	20,8	24	25,4	25,5	26,3	27,3	28,5	31,7	34
WEIGHT	CFFAC CC4 R3	kg	17,2	-	21,3	-	25,9	-	26,8	-	29	-	34,5	-
	A - Length	mm	790	790	1010	1010	1240	1240	1240	1360	1360	1360	1360	1360
DIMENSIONS	B - Width	mm	200	200	200	200	200	200	200	200	200	200	200	200
	C - Height	mm	495	495	495	495	495	495	495	495	495	495	591	591
	A1	mm	150	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	150
	B1	mm	90	90	90	90	90	90	90	90	90	90	90	90
	B2	mm	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
WEIGHT	CFFAU CC2 R3	kg	11,6	12	13,9	14,8	17,3	18,2	17,9	18,8	20,5	21,7	24	25,2
	CFFAU CC4 R3	kg	12,5	-	15,3	-	18,7	-	19,3	-	22,2	-	25,7	-

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:

CCFC	Cased version for vertical and horizontal installation
CCFU	Uncased version for vertical and horizontal installation

TYPE OF INSTALLATION:

CC2	2-pipe
CC4	4-pipe

INTAKE:

R3	Downward air return (Standard)
RF	Front air inlet

HYDRAULIC CONNECTIONS

DX	Pipes connection on the right
SX	Pipes connection on the left

BUILT-IN VALVES:

-	not required
3V2	Three-way valve kit for 2-pipe "on/off" system
3V4	Three-way valve kit for 4-pipe "on/off" system

BUILT-IN THERMOSTAT:

NOHMI	not required
HMIDM	KJRP-86A control mounted on board

technical data

Size		CFFA	1	2	3	4	5	6	7	8	9	10	11	12
2-pipe														
High speed														
Airflow		m ³ /h	255	255	400	425	595	595	790	800	1190	1150	1300	1300
◆ Cooling capacity	(1)	kW	1,65	2,25	2,65	3,05	3,85	4,2	4,65	5,35	6	6,75	7,35	8,25
Sensible capacity	(1)	kW	1,25	1,65	2,05	2,23	2,91	3,05	3,58	3,96	4,83	5,09	5,63	6,08
Water flow-rate	(1)	l/h	280	390	450	520	660	720	800	920	1030	1160	1260	1410
Water pressure drop	(1)	kPa	15,75	33,19	18,03	26,71	38,23	41,15	56,85	61,48	53,79	40,26	45,43	64,72
◆ Heating capacity	(2)	kW	1,85	2,35	3,05	3,15	4,1	4,3	5,2	5,7	6,15	7,15	8,2	8,5
Water flow-rate	(2)	l/h	320	400	520	540	710	740	890	980	1050	1230	1410	1460
Water pressure drop	(2)	kPa	15,13	33,19	17,56	23,31	35,52	37,2	56,68	60,89	57,85	42,16	44,6	61,96
Total power input		W	35	40	47	47	51	51	91	91	123	110	123	118
Medium speed														
Airflow		m ³ /h	165	192	273	284	447	450	560	574	855	885	1088	1132
◆ Cooling capacity	(1)	kW	1,22	1,85	2,02	2,26	3,19	3,38	3,8	4,25	5,03	5,8	6,51	7,52
Sensible capacity	(1)	kW	0,88	1,35	1,5	1,61	2,36	2,43	2,85	3,08	3,99	4,36	4,92	5,53
Water flow-rate	(1)	l/h	210	320	350	390	550	580	650	730	860	1000	1120	1290
Water pressure drop	(1)	kPa	9,33	22,37	11,18	15,66	27,11	27,07	40,02	41,44	36,96	29,2	37,06	55,03
◆ Heating capacity	(2)	kW	1,29	1,87	2,24	2,28	3,3	3,43	3,95	4,36	5,1	5,81	7,09	7,6
Water flow-rate	(2)	l/h	220	320	380	390	570	590	680	750	880	1000	1220	1300
Water pressure drop	(2)	kPa	8,22	22,37	10,28	12,57	24,83	24,5	37,31	37,73	38,53	28,68	34,09	47,46
Total power input		W	17	24	26	26	32	32	54	54	98	89	109	104
Low speed														
Airflow		m ³ /h	142	139	180	184	319	319	392	404	555	591	782	836
◆ Cooling capacity	(1)	kW	1,09	1,4	1,4	1,58	2,46	2,48	2,92	3,31	3,71	4,24	5,15	5,87
Sensible capacity	(1)	kW	0,78	1	1,02	1,08	1,77	1,73	2,09	2,34	2,85	3,12	3,83	4,21
Water flow-rate	(1)	l/h	190	240	240	270	420	430	500	570	640	730	880	1010
Water pressure drop	(1)	kPa	7,37	14,64	5,48	8,42	16,96	15,71	25,31	26,62	21,16	16,15	23,29	34,88
◆ Heating capacity	(2)	kW	1,13	1,42	1,52	1,6	2,48	2,52	3	3,31	3,8	4,3	5,46	5,9
Water flow-rate	(2)	l/h	190	240	260	280	430	430	520	570	650	740	940	1020
Water pressure drop	(2)	kPa	6,64	14,64	5,43	6,11	14,91	13,75	23,25	21,79	21,1	14,66	19,98	28,84
Total power input		W	14	15	14	14	19	19	34	35	68	64	83	82
Standard power supply		V/n°/Hz	220-240/1/50											
Type of supply fan	(3)	-	CFG											
No. of supply fans		-	1	1	2	2	2	2	2	2	3	3	3	3
H Sound pressure level	(4)	dB(A)	35	42	34	34	39	40	48	47	50	50	51	50
M Sound pressure level	(4)	dB(A)	24	35	24	25	32	35	39	40	43	44	46	45
L Sound pressure level	(4)	dB(A)	21	27	18	19	23	31	31	31	33	33	36	37
H Sound power level	(4)	dB(A)	47	53	46	47	52	52	59	59	64	62	63	63
M Sound power level	(4)	dB(A)	35	47	37	38	44	45	51	51	56	56	58	58
L Sound power level	(4)	dB(A)	34	39	31	32	36	37	43	43	45	46	50	50

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.

technical data

Size	CFFA	1	3	5	7	9	11
4-pipe							
High speed							
Airflow	m ³ /h	255	425	595	800	1150	1300
◆ Cooling capacity	(1) kW	1,95	2,89	4,09	5,05	6,4	7,65
Sensible capacity	(1) kW	1,5	2,05	2,94	3,8	4,9	5,85
Water flow-rate	(1) l/h	330	500	700	870	1100	1310
Water pressure drop	(1) kPa	27,47	21,38	47,7	71,09	63,05	50,47
◆ Heating capacity	(2) kW	1,69	2,45	2,95	3,46	4,65	7,3
Water flow-rate	(2) l/h	140	210	250	310	400	630
Water pressure drop	(2) kPa	15,6	31,95	58,17	82,01	135,21	67,86
Rated power input	W	40	47	51	91	110	118
Medium speed							
Airflow	m ³ /h	192	284	430	574	885	1132
◆ Cooling capacity	(1) kW	1,6	2,05	3,35	4,05	5,59	7
Sensible capacity	(1) kW	1,2	1,39	2,38	2,95	4,25	5,28
Water flow-rate	(1) l/h	280	350	570	690	960	1200
Water pressure drop	(1) kPa	19,63	11,95	33,04	47,81	48,47	43,72
◆ Heating capacity	(2) kW	1,4	1,7	2,5	3,05	4,09	7,19
Water flow-rate	(2) l/h	120	150	210	260	350	620
Water pressure drop	(2) kPa	11,01	16,83	43,35	61,29	111,75	65,78
Rated power input	W	24	26	32	54	89	104
Low speed							
Airflow	m ³ /h	139	184	319	404	591	836
◆ Cooling capacity	(1) kW	1,15	1,25	2,35	3,2	4	5,5
Sensible capacity	(1) kW	0,78	0,84	1,6	2,25	2,95	4,05
Water flow-rate	(1) l/h	200	210	400	550	690	940
Water pressure drop	(1) kPa	12,54	4,99	18,22	31,95	27,23	28,23
◆ Heating capacity	(2) kW	1,15	1,19	2	2,5	3,19	6,25
Water flow-rate	(2) l/h	100	100	170	210	270	540
Water pressure drop	(2) kPa	8,04	9,52	29,2	42,87	70,91	53,61
Rated power input	W	15	14	19	35	64	82
Standard power supply	V/in ² /Hz	220-240/1/50					
Type of supply fan	(3) -	CFG					
No. of supply fans	-	1		2		3	
H Sound pressure level	(4) dB(A)	42	34	40	47	50	50
M Sound pressure level	(4) dB(A)	35	25	33	40	44	45
L Sound pressure level	(4) dB(A)	27	19	24	31	33	37
H Sound power level	(4) dB(A)	53	47	52	59	62	63
M Sound power level	(4) dB(A)	35	38	45	51	56	58
L Sound power level	(4) dB(A)	39	32	37	43	46	50

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.

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 auxiliaria for vertical/horizontal installation
- KDPX** Plinth kit

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

- HMIFACX** KJRP-86A wired controller for on-board or wall installation
- BOXX** Wall installation with concealed box KJRP-86A
- HIDT9X** Electro-mechanical thermostat for semi-uncased wall installation with display and built-in temperature probe