

AURA

CFFC / CFFU / CFFAC / CFFAU 1÷12

Floor- or ceiling-mounted fan coil with 3-speed motor for heating and cooling

COMFORT



Heating Cooling



Dehumidification



Follow Me



Anti cold air (CFF)



Temperature compensation (CFF)

HEALTH



High density filter

MANAGEMENT AND CONNECTIVITY



Potential-free contact



Wired control



Centralised control (optional)



Modbus port (CFF)(CFFA optional) on the control for the AC version



ELFOControl management on the control for the AC version



input 0-10 V



Generator Demand

RELIABILITY



Eurovent

CONVENIENCE



Auto Restart on the control for the AC version



- ✓ Sleek and elegant design, suitable for blending into any environment
- ✓ Suitable for any installation: vertical or horizontal, cased or uncased
- ✓ Quiet and efficient, thanks to the brushless DC fan motor (CFF series)
- ✓ Full series: 12 sizes from 1.6kW to 8.3kW, ideal for houses or hotel rooms
- ✓ Can be adapted on-site to have fittings on the right side as well
- ✓ Management via Modbus port (in the optional control for AC versions) with connection to BMS system or ELFOControl

Dedicated control

CFF SERIES

AURA with inverter DC fan motor is compatible with the innovative, specially designed KJRP-75A user interface. The control can either be installed on board the unit (for cased versions) or remotely on the wall (also with optional 2m extension lead). It has a touch screen, back-light and 7-speed control + AUTO. The interface also has a temperature sensor: with the Follow-me function, the unit can be controlled according to the temperature read by this probe, replacing the temperature that would be detected as standard when the unit is restarted.



CFFA SERIES

AURA CFFA with 3-speed fan motor is compatible with the optional specially designed KJRP-86A user interface. The control can either be installed on board the unit (for cased versions) or remotely on the wall (with optional back box). It has a touch screen, back-light and 3 speed control + AUTO and ON/OFF timer. The control is equipped with a Modbus port for connection with ELFOControl or with BMS managers operating with this protocol.



configurations

TYPE OF INSTALLATION:

CAS With casing for vertical or horizontal installation

UNC Uncased for vertical or horizontal installation

TYPE OF INSTALLATION:

CC2 2-pipe

CC4 4-pipe

AIR RETURN:

R3 Downward

RF Front

HYDRAULIC CONNECTIONS ^{NEW}:

DX Pipes connection on the right

SX Pipes connection on the left

BUILT-IN VALVES ^{NEW}:

- 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 ^{NEW}:

NOHMI not required

HMIDM KJRP-75 control mounted on board (only for versions DC CFFC)^{NEW}

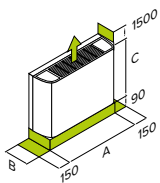
HMIAM KJRP-86 control mounted on board (only for versions AC CFFAC)^{NEW}

accessories

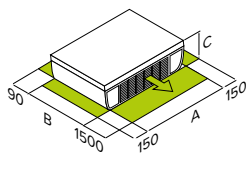
	BRVHX	Auxiliary condensate collection tray for vertical/horizontal installation		KJR90X	KJR-90D electronic room control for wall installation (only DC version)
	KDPX	Plinth kit		KJR150X	Indoor units group controller (only DC version)
	3V2DX	3-way ON/OFF valves kit for 2-pipe system (3V2DX for right side fittings / 3V2SX for left side fittings)		CCM30BX	Centralized controller with case (only DC version)
	3V2SX			CCM09	Wired centraliser with weekly scheduler (to exhaustion)
	3V4DX	3-way ON/OFF valves kit for 4-pipe system (3V4DX for right side fittings / 3V4SX for left side fittings)		CCM-180A/WS	Wired centralizer with 6.2" touchscreen display with weekly scheduler ^{NEW}
	3V4SX			CCM-270A/WS	Wired centralizer with 10.1" touchscreen display with weekly scheduler ^{NEW}
	HMIFACX	KJRP-86A wired controller for on-board or wall installation (only AC version)		CCM18UX	Modbus protocol for up to 16 fancoil units (gateway)
	BOXX	Wall installation with concealed box KJRP-86A		CCM18X	Modbus protocol for up to 64 fancoil units (gateway)
	HMIFDCX	KJRP-75A wired controller for on-board or wall installation (only DC version)		CCM08X	BACnet Gateway (to exhaustion)
	EXTENX	KJRP-75 Wired Control Connection Cable Extension (2m)		IMMP-BAC(A)	BACnet Gateway and IMMPRO gateway
	HIDT9X	Electro-mechanical thermostat for semi-uncased wall installation with display and built-in temperature probe (for AC version, 2-ON/OFF valves management, 3-point valve management, Modbus port)		LONGW64	LonWorks Gateway for up to 16 fancoil units (to exhaustion)
				GW-LON(A)	LonWorks Gateway for up to 32 fancoil units
				KNXX	KNX Gateway, for single indoor unit (to exhaustion)

dimensions and connections

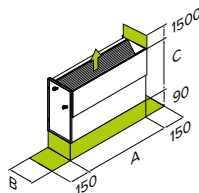
For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.



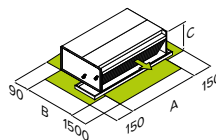
CFF / CFFA CAS
Cased unit



CFF / CFFA CAS
Cased unit



CFF / CFFA UNC
Uncased unit



CFF / CFFA UNC
Uncased unit

Size				1	2	3	4	5	6
Dimensions	Cased unit	Length(A) x Height(C) x Depth(B)	mm	790x495x200	790x495x200	1.020x495x200	1.020x495x200	1.240x495x200	1.240x495x200
	Uncased unit	Length(A) x Height(C) x Depth(B)	mm	628x200x455	628x200x455	858x200x455	858x200x455	1.078x200x455	1.078x200x455
Weight	Cased unit	CFF	kg	18	18,5	21,5	22	25,5	26,5
		CFFA	kg	16,3	16,7	20,0	20,8	24,0	25,4
	Uncased unit	CFF	kg	11,8	12,1	13,9	14,8	17,3	18,2
		CFFA	kg	11,6	12,0	13,9	14,8	17,3	18,2
External diameters		Water	inch	3/4"					
		Condensate drain	mm	18,5					

Size				7	8	9	10	11	12
Dimensions	Cased unit	Length(A) x Height(C) x Depth(B)	mm	1.240x495x200	1.240x495x200	1.360x495x200	1.360x495x200	1.360x591x200	1.360x591x200
	Uncased unit	Length(A) x Height(C) x Depth(B)	mm	1.078x200x455	1.078x200x455	1.198x200x455	1.198x200x455	1.198x200x551	1.198x200x551
Weight	Cased unit	CFF-	kg	25,5	26,5	28,5	29,5	32,5	34,5
		CFFA	kg	25,5	26,3	27,3	28,5	31,7	34,0
	Uncased unit	CFF	kg	17,3	18,2	19,6	20,8	23,1	24,3
		CFFA	kg	17,9	18,8	20,5	21,7	24,0	25,2
External diameters		Water	inch	3/4"					
		Condensate drain	mm	18,5					

technical data

Size - CFFC / CFFU (unit with DC inverter motor)				1	2	3	4	5	6
Cooling	Total capacity		kW	1,50	1,95	2,35	2,85	3,50	3,90
	Sensible capacity	Water 7/12°C	kW	1,14	1,42	1,79	2,06	2,65	2,9
	Water flow-rate	Ambient air 27°C/19°Cwb Maximum ventilation speed	l/h	260	330	400	490	600	670
	Water pressure drop		kPa	13,9	27,2	13,3	26	34,1	37,4
Heating	Capacity	Water 45/40°C	kW	1,57	2,05	2,60	2,95	3,80	4,00
	Water flow-rate	Ambient air 20°C	l/h	270	350	450	510	650	700
	Water pressure drop	Maximum ventilation speed	kPa	15,1	25,3	14,3	24,4	35,1	36,5
	Capacity	Water 50°C/cooling water flow	kW	1,91	2,21	3,13	3,51	4,33	4,71
	Water flow-rate	Ambient air 20°C	l/h	260	330	400	490	600	670
Water pressure drop	Maximum ventilation speed	kPa	13,9	27,2	13,3	26	34,1	37,4	
Power input		Minimum / Maximum	W	8 / 15	9 / 20	7 / 17	8 / 20	10 / 26	11 / 29
Operating pressure		Maximum	bar	16					
Airflow ¹		Minimum / Nominal / Maximum	m ³ /h	150 / 170 / 255	150 / 210 / 255	190 / 315 / 400	190 / 300 / 425	340 / 470 / 595	310 / 450 / 595
Sound power		Minimum / Maximum	dB(A)	34 / 47	38 / 52	29 / 43	29 / 46	36 / 52	39 / 52
Sound pressure @1m		Minimum / Maximum	dB(A)	21 / 34	25 / 39	18 / 29	19 / 32	23 / 38	30 / 40
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230/50/1					

Size - CFFC / CFFU (unit with DC inverter motor)				7	8	9	10	11	12
Cooling	Total capacity		kW	4,30	4,85	5,60	6,35	7,35	8,25
	Sensible capacity	Water 7/12°C	kW	3,25	3,63	4,62	4,98	5,87	6,12
	Water flow-rate	Ambient air 27°C/19°Cwb Maximum ventilation speed	l/h	740	830	960	1.090	1.270	1.430
	Water pressure drop		kPa	54,2	54,3	50,7	32,8	44,1	71,4
Heating	Capacity	Water 45/40°C	kW	4,70	5,25	6,00	7,05	8,05	8,70
	Water flow-rate	Ambient air 20°C	l/h	810	910	1.040	1.220	1.390	1.510
	Water pressure drop	Maximum ventilation speed	kPa	54,3	53,4	55,5	37,6	46,9	62,6
	Capacity	Water 50°C/cooling water flow	kW	5,18	5,55	7,33	8,37	9,61	10,63
	Water flow-rate	Ambient air 20°C	l/h	740	830	960	1.090	1.270	1.430
Water pressure drop	Maximum ventilation speed	kPa	54,2	54,3	50,7	32,8	44,1	71,4	
Power input		Minimum / Maximum	W	14 / 50	15 / 52	17 / 96	19 / 92	22 / 113	22 / 102
Operating pressure		Maximum	bar	16					
Airflow ¹		Minimum / Nominal / Maximum	m ³ /h	410 / 580 / 790	420 / 600 / 800	505 / 855 / 1.190	530 / 875 / 1.190	685 / 1.015 / 1.360	680 / 980 / 1.300
Sound power		Minimum / Maximum	dB(A)	43 / 59	43 / 59	45 / 64	46 / 62	49 / 63	47 / 63
Sound pressure @1m		Minimum / Maximum	dB(A)	30 / 46	30 / 45	31 / 50	31 / 50	33 / 51	33 / 50
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230/50/1					

The Product is compliant with the Erp (regulation 2016/2281)

Sound levels tested in an anechoic chamber according to ISO 3744

(1) With clean filters

Size CFFAC / CFFAU (AC motor unit with three speeds)				1	2	3	4	5	6
Cooling	Total capacity		kW	1,65	2,25	2,65	3,05	3,85	4,20
	Sensible capacity	Water 7/12°C	kW	1,25	1,65	2,05	2,23	2,91	3,05
	Water flow-rate	Ambient air 27°C/19°Cwb Maximum ventilation speed	l/h	280	390	450	520	660	720
	Water pressure drop		kPa	15,8	33,2	18,0	26,7	38,2	41,2
Heating	Capacity	Water 45/40°C	kW	1,85	2,35	3,05	3,15	4,10	4,30
	Water flow-rate	Ambient air 20°C	l/h	320	400	520	540	710	740
	Water pressure drop	Maximum ventilation speed	kPa	15,1	33,2	17,6	23,3	35,5	37,2
	Capacity	Water 50°C/cooling water flow.	kW	1,94	2,56	3,33	4,13	4,67	4,93
	Water flow-rate	Ambient air 20°C	l/h	283	386	454	523	660	720
Water pressure drop	Maximum ventilation speed	kPa	15,8	33,2	18,0	26,7	38,2	41,2	
Power input		Minimum / Maximum	W	14 / 35	15 / 40	14 / 47	14 / 47	19 / 51	19 / 51
Operating pressure		Maximum	bar	16					
Airflow ¹		Minimum / Nominal / Maximum	m ³ /h	142/165/255	139/192/255	180/273/400	184/284/425	319/447/595	319/450/595
Sound power		Minimum / Maximum	dB(A)	34 / 47	39 / 53	31 / 46	32 / 47	36 / 52	37 / 52
Sound pressure @1m		Minimum / Maximum	dB(A)	21 / 35	27 / 42	18 / 34	19 / 34	23 / 39	31 / 40
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230/50/1					

Size CFFAC / CFFAU (AC motor unit with three speeds)				7	8	9	10	11	12
Cooling	Total capacity		kW	4,65	5,35	6,00	6,75	7,35	8,25
	Sensible capacity	Water 7/12°C	kW	3,58	3,96	4,83	5,09	5,63	6,08
	Water flow-rate	Ambient air 27°C/19°Cwb Maximum ventilation speed	l/h	800	920	1.030	1.160	1.260	1.410
	Water pressure drop		kPa	56,9	61,5	53,8	40,3	45,4	64,7
Heating	Capacity	Water 45/40°C	kW	5,20	5,70	6,15	7,15	8,20	8,50
	Water flow-rate	Ambient air 20°C	l/h	890	980	1.050	1.230	1.410	1.460
	Water pressure drop	Maximum ventilation speed	kPa	56,7	60,9	57,9	42,2	44,6	62,0
	Capacity	Water 50°C/cooling water flow.	kW	5,89	6,35	7,59	7,91	8,77	9,27
	Water flow-rate	Ambient air 20°C	l/h	797	917	1.020	1.150	1.260	1.410
Water pressure drop	Maximum ventilation speed	kPa	56,9	61,5	53,8	40,3	45,4	64,7	
Power input		Minimum / Maximum	W	34 / 91	35 / 91	68 / 123	64 / 110	83 / 123	82 / 118
Operating pressure		Maximum	bar	16					
Airflow ¹		Minimum / Nominal / Maximum	m ³ /h	392 / 560 / 790	404 / 574 / 800	555 / 855 / 1.190	591 / 885 / 1.150	782 / 1.088 / 1.300	836 / 1.132 / 1.300
Sound power		Minimum / Maximum	dB(A)	43 / 59	43 / 59	45 / 64	46 / 62	50 / 63	50 / 63
Sound pressure @1m		Minimum / Maximum	dB(A)	31 / 48	31 / 47	33 / 50	33 / 50	36 / 51	37 / 50
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230/50/1					

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