



Carisma CRC MUI version Fan Coil Unit with Centrifugal Fan with Asynchronous Motor

Range includes **5 air flow rates** (from 145 to 925 m³/h) each equipped with 4 row coil and with the possibility to add a 1 row coil for 4 pipe systems.

It includes some models from the CRC series but with a **particularly sturdy casing**, suited for installation in public places where there is a high risk of damage and improper use of the fan coil.



Technical characteristics of the main components:

Casing: in galvanised steel plate, pre-painted in RAL 9002 (light grey), thickness 1.2 mm with built-in safety closures and keys for opening the front panel.

Output grills: in grey-finished extruded aluminium.

Inner casing: made from galvanized steel insulated with polyolefin (PO) foam (class M1).

Filter: polypropylene cellular fabric regenerating filter.

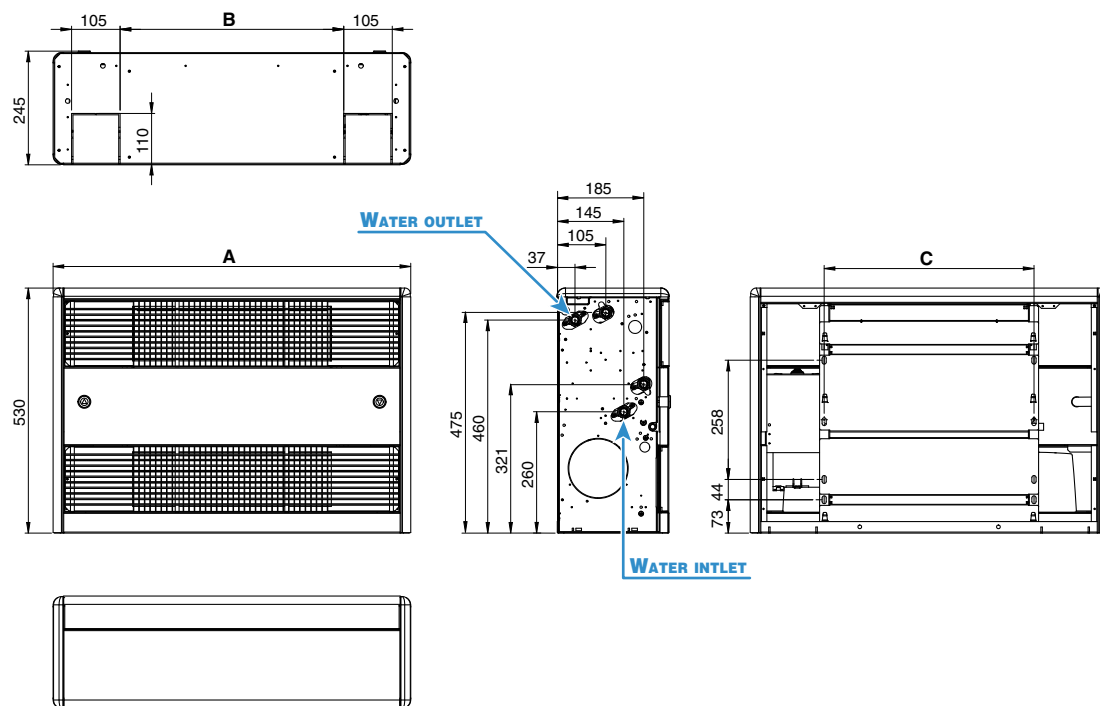
Fan assembly: the fans have aluminium or plastic blades directly keyed on the motor with double aspiration and they are dynamically and statically balanced during manufacture in order to have an extremely quiet operation.

Electric motor: the motor is wired for single phase and has six speeds, three of which are connected, with capacitor. The motor is fitted on sealed for life bearings and is secured on anti-vibration and self-lubricating mountings. Internal thermal protection with automatic reset, protection IP 20, class B.

Coil: it is manufactured from drawn copper tube and the aluminium fins are mechanically bonded onto the tube by an expansion process. The coil has two 1/2inch BSP internal connections and 1/8 inch BSP air vent and drain. The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

Condensate collection tray: made from plastic fitted on the inner casing; the tray is insulated with polyolefin (PO) foam (class M1). The outside diameter of the condensate discharge pipe is 15 mm.

Dimensions, Weight, Water content



Dimension (mm)

MODEL	CRC 24 MVI	CRC 44 MVI	CRC 54 MVI	CRC 64 MVI	CRC 74 MVI
A	775	990	1205	1205	1420
B	487	702	917	917	1132
C	454	669	884	884	1099

Weight (kg)

MODEL	WEIGHT WITH PACKAGING					WEIGHT WITHOUT PACKAGING				
	CRC 24 MVI	CRC 44 MVI	CRC 54 MVI	CRC 64 MVI	CRC 74 MVI	CRC 24 MVI	CRC 44 MVI	CRC 54 MVI	CRC 64 MVI	CRC 74 MVI
	ROWS	4	4+1	4	4+1	4	4+1	4	4+1	4
	25,0	32,5	39,1	40,0	46,6	23,0	29,5	36,1	37,0	42,6
	25,8	33,7	40,6	41,5	48,4	23,8	30,7	37,6	38,5	44,4

Water content (litres)

MODEL	CRC 24 MVI	CRC 44 MVI	CRC 54 MVI	CRC 64 MVI	CRC 74 MVI
ROWS	4	4+1	4	4+1	4
	0,8	1,3	1,7	2,2	2,4
	0,2	0,3	0,4	0,5	0,5



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Certification

Units with 4 row coil

2 pipe units. The following standard rating conditions are used:

COOLING (summer mode)

Entering air temperature: +27°C d.b. +19°C w.b.
Water temperature: + 7°C E.W.T. +12°C L.W.T.

HEATING (winter mode)

Entering air temperature: +20°C
Entering water temperature: +50°C

Water flow rate as for the cooling conditions

MODEL	CRC 24 MVI						CRC 44 MVI						CRC 54 MVI							
	1 (E)	2	3 (E)	4	5 (E)	6	1	2 (E)	3 (E)	4	5 (E)	6	1	2 (E)	3	4 (E)	5 (E)	6		
	MIN		MED		MAX		MIN	MED		MAX		MIN	MED		MAX		MIN	MED	MAX	
Speed																				
Air flow	m ³ /h	145	170	220	250	295	340	185	265	335	400	485	570	250	315	420	495	545	650	
Cooling total emission (E)	kW	1,01	1,13	1,43	1,59	1,81	2,04	1,32	1,83	2,28	2,65	3,12	3,56	1,79	2,19	2,83	3,25	3,54	4,09	
Cooling sensible emission (E)	kW	0,74	0,83	1,07	1,19	1,38	1,57	0,95	1,34	1,68	1,97	2,34	2,69	1,30	1,60	2,08	2,40	2,63	3,07	
Heating (E)	kW	1,18	1,34	1,72	1,92	2,20	2,50	1,54	2,16	2,72	3,17	3,76	4,34	2,06	2,53	3,30	3,81	4,17	4,83	
Heating - Water 70-60°C	kW	1,98	2,24	2,88	3,22	3,69	4,19	2,57	3,62	4,56	5,32	6,33	7,30	3,44	4,23	5,51	6,37	6,97	8,07	
Dp Cooling (E)	kPa	4,9	6,1	9,2	11,0	13,9	17,2	3,4	6,1	9,0	11,7	15,5	19,6	7,3	10,4	16,3	20,8	24,2	31,3	
Dp Heating (E)	kPa	3,9	4,9	7,5	9,2	11,6	14,6	2,5	4,6	6,9	9,0	12,2	15,6	5,7	8,3	13,1	17,0	19,9	25,7	
Fan (E)	W	14	16	22	26	32	40	14	21	28	34	44	57	18	22	32	39	46	61	
Sound power (E)	dB(A)	30	33	40	43	47	51	27	33	39	43	47	52	26	31	37	41	43	48	
Sound pressure (*)	dB(A)	21	24	31	34	38	42	18	24	30	34	38	43	17	22	28	32	34	39	
1 row heating additional coil (Water 70/60°C)	Heating (E) kW	0,94	1,04	1,25	1,36	1,52	1,68	1,34	1,73	2,06	2,32	2,65	2,88	1,77	2,07	2,53	2,83	3,03	3,42	
	Dp Heat. (E) kPa	1,7	2,0	2,8	3,3	4,0	4,8	3,9	6,0	8,2	10,1	12,8	14,8	1,2	1,6	2,3	2,8	3,2	3,9	

MODEL	CRC 64 MVI						CRC 74 MVI						
	1 (E)	2	3 (E)	4	5 (E)	6	1	2 (E)	3	4 (E)	5	6 (E)	
	MIN		MED		MAX		MIN	MED		MAX		MAX	
Speed													
Air flow	m ³ /h	415	505	590	680	760	830	445	535	630	735	840	925
Cooling total emission (E)	kW	2,83	3,38	3,86	4,38	4,79	5,13	3,03	3,56	4,08	4,64	5,17	5,58
Cooling sensible emission (E)	kW	2,07	2,49	2,86	3,27	3,60	3,87	2,22	2,62	3,03	3,47	3,89	4,23
Heating (E)	kW	3,39	4,07	4,69	5,35	5,88	6,35	3,55	4,20	4,86	5,55	6,19	6,71
Heating - Water 70-60°C	kW	5,66	6,81	7,85	8,98	9,90	10,68	5,93	7,02	8,12	9,30	10,38	11,26
Dp Cooling (E)	kPa	14,4	19,7	24,8	30,9	36,2	40,9	9,5	12,5	15,9	20,0	24,2	27,7
Dp Heating (E)	kPa	11,0	15,2	19,5	24,7	29,3	33,5	7,7	10,3	13,3	16,9	20,5	23,7
Fan (E)	W	37	46	55	67	78	88	44	54	66	79	92	103
Sound power (E)	dB(A)	37	42	46	49	52	54	38	42	47	51	54	56
Sound pressure (*)	dB(A)	28	33	37	40	43	45	29	33	38	42	45	47
1 row heating additional coil (Water 70/60°C)	Heating (E) kW	2,50	2,87	3,19	3,54	3,81	4,04	2,89	3,29	3,68	4,09	4,49	4,79
	Dp Heat. (E) kPa	3,2	4,1	4,9	5,8	6,7	7,4	3,4	4,3	5,2	6,3	7,4	8,3

(E) = Eurovent certified performance.
MIN-MED-MAX = Standard connected speeds.
(*) = The sound pressure levels are 9 dB(A) lower than the sound power levels and apply to the reverberant field of a 100 m³ room and a reverberation time of 0.5 sec.

Wall electronic controls

Can be connected only to wall controls for Fan Coil Units with asynchronous motors (infra-red remote control excluded). For the Characteristics, see Page 265.

PSM-DI multifunction control and Sabianet management system for a network of fan coils

For the Characteristics, see Page 269.

Available accessories: Plinth PLH