MC Range

Ceiling air coolers

Power range
1,5-5,5 kW

- Ideal for small-sized cellars
- High moisture degree, suitable for fresh product
- Version for CO2 and glycol
- Two fin separations for high and low temperatures

Technical Specifications

Coil: Manufactured in 1/2" staggered tube, and aluminum fins with 4 mm or 6 mm separation. With high ratio of secondary over primary surface that allows for a high level of humidity in the cellar.

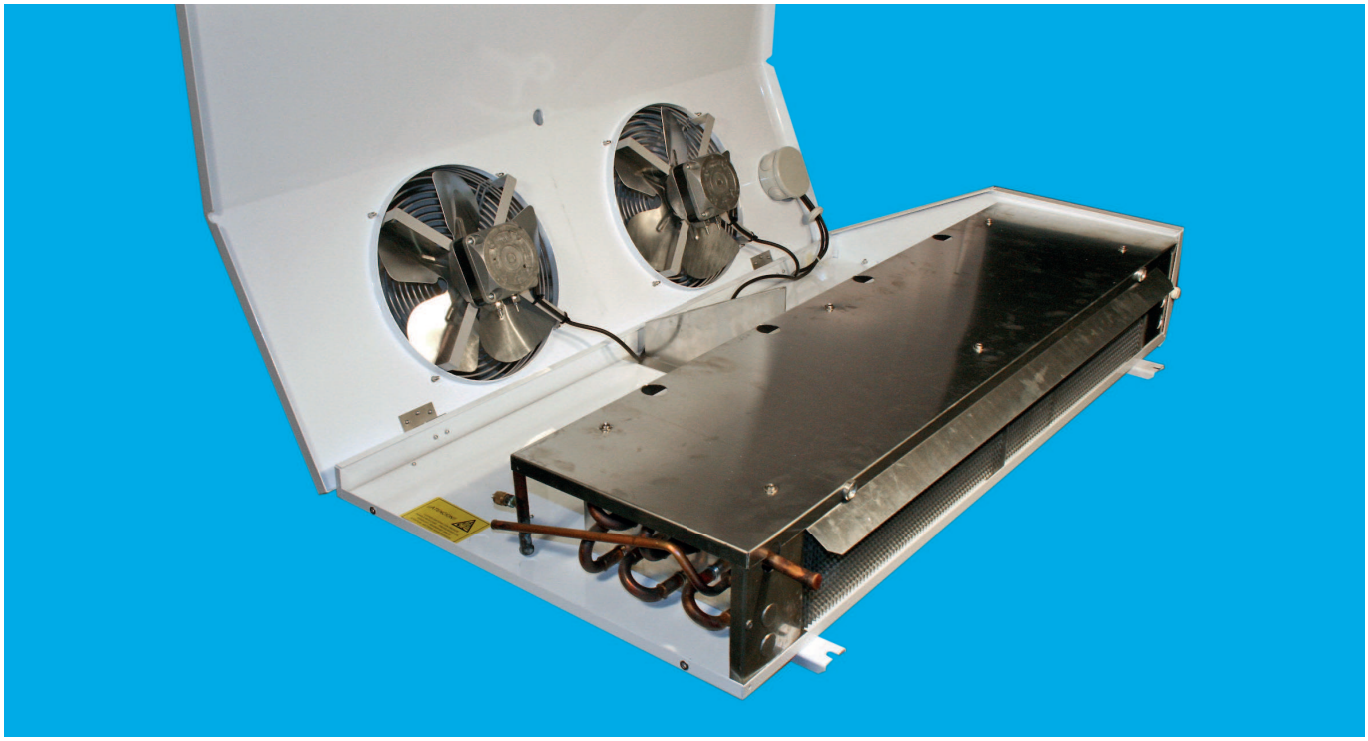
Bodywork: Manufactured entirely with white lacquered aluminum with kiln-cooked epoxy polyester. Stainless steel mounting hardware. Threaded and angle-welded aluminum drain that prevents leaks and breaks and reduces space in cellar. Drip pan between coil and Bodywork: Hinged opening; air cooler can be separated into two parts, making its assembly easier. Side register vents for maintenance without having to open the air cooler.

Defrost: With stainless steel-armored electric resistors and watertight housing, connected to standard IP54 junction box.

Fans: 220v 50/60 Hz Single-phase. VDE regulations. Connected to IP54 junction box. Protected with grating as per 2006/42/EC regulations. Mounted with a mounting system that allows for its removal without having to remove the Bodywork:

Options

- Coil treated with Blygold
- Expansion valve
- Three-phase motors
- Electronics EC motors
- Glycol Version
- CO_2 Version



Technical data

Fin spacing = 4 mm

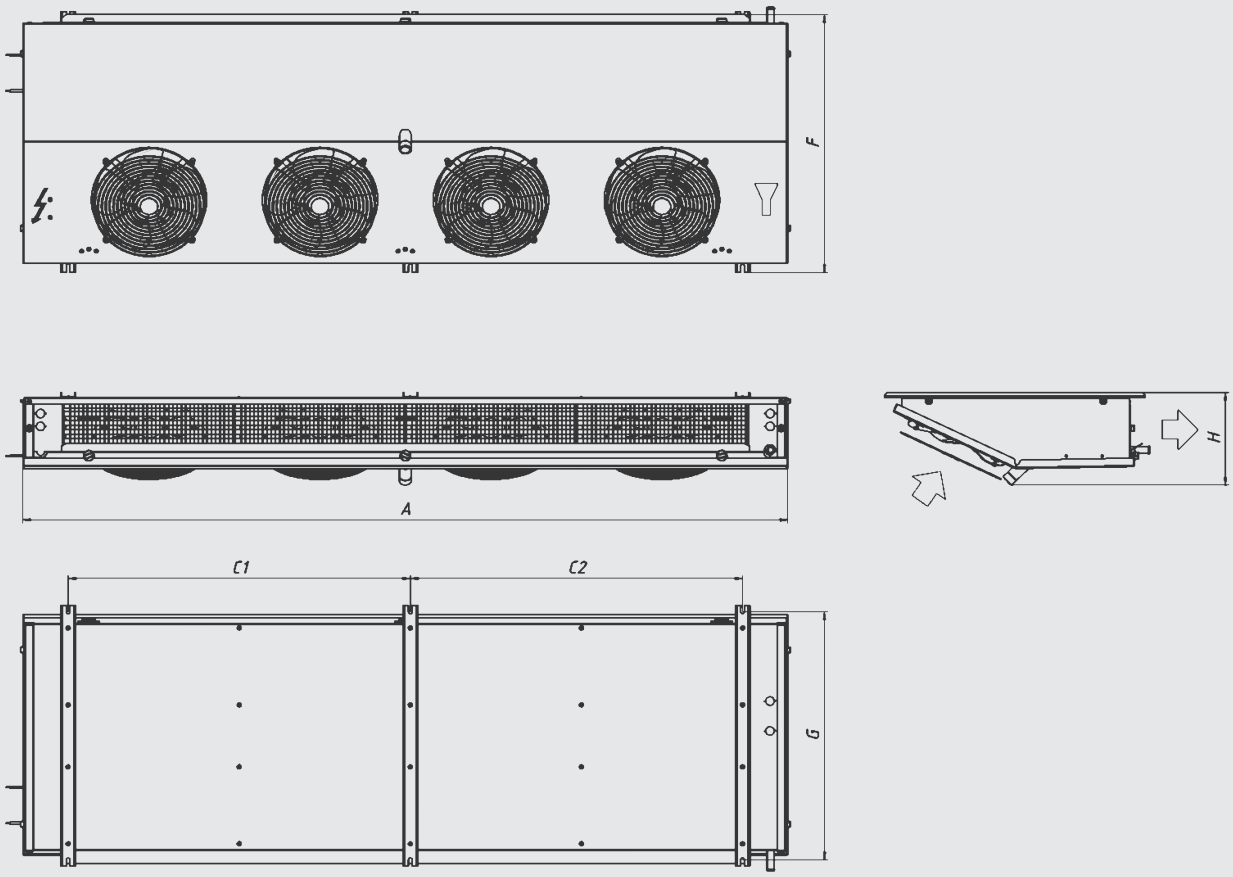
Model	Capacity				Area (m²)	Fans				Weight (kg)
	Standard Conditions EN328 R404A		Propylene Glycol 30% DP=50 kPa Tc=12°C $T_{IN\ Glycol}$=0°C							
	SC1 (kW)	SC2 (kW)	P (kW)	Q (l/h)		Air Flow (m³/h)	N° x Ø	A	W	
MC14A	1,93	1,32	1,48	465	7,8	500	1x250	0,3	36	10
MC29A	3,86	2,64	2,01	360	15,6	1.000	2x250	0,5	72	17
MC43A	5,79	3,96	5,06	1.690	23,4	1.500	3x250	0,8	108	25
MC57A	7,72	5,28	5,87	1.480	31,2	2.000	4x250	1,0	144	32

Fin spacing = 6 mm

Model	Capacity								Area (m²)	Fans				Weight (kg)
	Standard Conditions EN328 R404A			Propylene Glycol 30% DP=50 kPa Tc=0°C $T_{IN\ Glycol}$=-10°C		Standard Conditions EN328 R744 (CO_2)				Air Flow (m³/h)	N° x Ø	A	W	
	SC1 (kW)	SC2 (kW)	SC3 (kW)	P (kW)	Q (l/h)	SC2 (W)	SC3 (W)	SC4 (W)						
MC13B	1,73	1,19	0,95	0,99	420	-	-	-	5,2	530	1x250	0,3	36	10
MC26B	3,47	2,37	1,90	1,43	290	-	-	-	10,4	1.060	2x250	0,5	72	16
MC39B	5,20	3,56	2,85	2,62	1.520	3.063	2.450	2.021	15,6	1.590	3x250	0,8	108	23
MC52B	6,93	4,75	3,80	3,14	1.330	4.288	3.430	2.830	20,8	2.120	4x250	1,0	144	30

Codification Description

MC	W	14	A	E
Range	**Refrigerant** Ø=HFC C = CO_2 W = Glycol	**Model**	**Fin spacing** A = 4 mm B = 6 mm	**Defrost** E = With electric heaters Ø = Without Defrost



MC / Common Data

Model		Volume (dm³)	Defrost (W)	Connection		Drain pipe (Inches)	Dimensions					
				IN	OUT		C1 (mm)	C2 (mm)	G (mm)	F (mm)	H (mm)	A (mm)
MC14A	MC13B	2,4	350	9 mm	12 mm	3/4"	378	-	580	593	220	590
MC29A	MC26B	4,8	750	9 mm	12 mm	3/4"	778	-	580	593	220	990
MC43A	MC39B	7,2	1.200	1/2"	5/8"	3/4"	1178	-	580	593	220	1.390
MC57A	MC52B	9,6	1.500	1/2"	5/8"	3/4"	800	778	580	593	220	1.790

I-CO-17.3-MC