EC Range

Cubic cooling units



Power range
2-25,7 kW

- Version for CO_2 and glycol
- Maintains a high moisture degree
- Ideal for fresh-product cellars
- Three fin separations that allow for a broad power range



Technical Specifications

Coil: Manufactured in 1/2" staggered tube, and aluminum fins with 4 mm, or 6 mm and 9 mm separation. With high ratio of finned surface that allows for a high humidity level in cellar.

Fans: External rotor, 220v 50/60 Hz single-phase. They can optionally be three-phase. Connected to IP54 junction box. Protected with grating as per 2006/42/EC regulations.

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

Bodywork: Manufactured entirely with white lacquered aluminum with kiln-cooked epoxy polyester. Stainless steel mounting hardware. Threaded and angle-riveted aluminum drain that prevents leaks and breaks and reduces space in cellar. Drip pan between coil and Bodywork: Rounded edges for easy cleaning. Opening of side register vents with wing nuts, all mounting hardware in stainless steel. Spacing between fans; each fan works on its corresponding coil section, thus avoiding the air bypass effect.

Options

- Electric defrosting only on pan
- Coil treated with Blygold
- Water Defrost



The manufacturer reserves all rights to make any changes without prior notice.

Technical data

Fin spacing = 4 mm

Model	Capacity: Standard Conditions EN328 R404A SC1 (kW)	SC2 (kW)	Capacity: Propylene Glycol 30% DP=50 kPa Tc=12°C $T_{IN\ Glycol}$=0°C P (kW)	Q (l/h)	Area (m^2)	Volume (dm^3)	Fans: Air throw (m)	Air Flow (m^3/h)	Nº x Ø	A	W	Weight (kg)
EC21A	2,86	1,96	2,06	330	9,8	1,3	13	1.180	1 x 300	0,5	78	14
EC26A	3,54	2,42	-	-	12,3	1,6	13	1.100	1 x 300	0,5	78	16
EC31A	4,18	2,86	3,40	790	14,7	1,9	13	1.050	1 x 300	0,5	78	17
EC38A	4,69	3,21	-	-	18,4	2,8	15	2.500	1 x 350	0,7	150	22
EC43A	5,73	3,92	3,80	770	19,6	2,5	13	2.360	2 x 300	1,0	156	25
EC48A	6,59	4,51	-	-	23,0	3,3	15	2.400	1 x 350	0,7	150	25
EC53A	7,06	4,83	-	-	24,5	3,1	13	2.200	2 x 300	1,0	156	28
EC62A	8,35	5,71	6,50	1.820	29,4	3,8	13	2.100	2 x 300	1,0	156	30
EC64A	8,95	6,13	-	-	27,6	3,6	15	5.300	2 x 350	1,4	300	35
EC70A	9,40	6,43	-	-	33,1	4,3	18	2.900	1 x 400	0,7	150	32
EC82A	11,18	7,65	7,40	1.690	36,8	4,6	15	5.000	2 x 350	1,4	300	39
EC107A	14,21	9,73	11,10	2.500	55,2	7,2	15	4.500	2 x 350	1,4	300	47
EC139A	18,79	12,86	16,60	4.300	66,2	8,5	18	5.800	2 x 400	1,3	300	58
EC190A	25,82	17,68	-	-	92,0	11,8	15	9.600	4 x 350	2,8	600	85
EC210A	28,18	19,29	23,30	5.570	99,3	12,8	18	8.700	3 x 400	2,0	450	85
EC280A	35,58	25,72	27,15	6.250	132,5	17,0	18	11.600	4 x 400	2,6	600	114

Fin spacing = 6 mm

Model	Capacity: Standard Conditions EN328 R404A SC1 (kW)	SC2 (kW)	SC3 (kW)	Capacity: Propylene Glycol 30% DP=50 kPa Tc=0°C $T_{IN\ Glycol}$=-10°C P (kW)	Q (l/h)	Capacity: Standard Conditions EN328 R744 (CO_2) SC2 (kW)	SC3 (kW)	SC4 (kW)	Area (m^2)	Volume (dm^3)	Fans: Air throw (m)	Air Flow (m^3/h)	Nº x Ø	A	W	Weight (kg)
EC17B	2,30	1,57	1,26	1,39	255	1,45	1,16	0,96	6,5	1,3	14	1.280	1 x 300	0,5	78	13
EC21B	2,84	1,94	1,55	2,07	770	1,88	1,50	1,24	8,2	1,6	14	1.200	1 x 300	0,5	78	15
EC25B	3,35	2,29	1,83	-	-	2,25	1,80	1,49	9,8	1,9	14	1.140	1 x 300	0,5	78	16
EC31B	4,15	2,84	2,27	-	-	3,88	3,10	2,56	12,3	2,8	16	2.650	1 x 350	0,7	150	20
EC34B	4,60	3,15	2,52	2,75	635	4,00	3,20	2,64	13,1	2,5	14	2.560	2 x 300	1,0	156	23
EC42B	5,66	3,87	3,10	-	-	4,63	3,70	3,05	16,4	3,1	14	2.400	2 x 300	1,0	156	26
EC46B	6,09	4,17	3,33	-	-	5,25	4,20	3,47	18,4	4,1	16	2.450	1 x 350	0,7	150	25
EC49B	6,69	4,58	3,67	4,33	1.620	5,13	4,10	3,38	19,6	3,8	14	2.280	2 x 300	1,0	156	27
EC55B	7,38	5,06	4,04	-	-	6,75	5,40	4,46	18,4	3,6	16	5.600	2 x 350	1,4	300	32
EC70B	9,27	6,34	5,07	4,90	1.450	7,79	6,23	5,14	24,5	4,6	16	5.300	2 x 350	1,4	300	36
EC86B	10,96	7,51	6,00	6,36	1.825	9,25	7,40	6,11	30,5	6,1	16	5.100	2 x 350	1,4	300	40
EC90B	12,22	8,36	6,69	6,94	2.150	10,38	8,30	6,85	36,8	7,2	16	4.900	2 x 350	1,4	300	43
EC113B	15,21	10,41	8,33	9,78	3.880	13,13	10,50	8,66	44,2	8,5	19	6.360	2 x 400	1,3	300	52
EC135B	18,72	12,81	10,25	10,98	2.750	15,38	12,30	10,15	55,2	11,2	16	7.350	3 x 350	2,1	450	63
EC160B	21,83	14,94	11,95	-	-	19,00	15,20	12,54	61,3	11,8	16	10.200	4 x 350	2,8	600	75
EC170B	22,82	15,62	12,50	13,40	5.010	19,63	15,70	12,95	66,2	12,8	19	9.540	3 x 400	2,0	450	76
EC180B	24,05	16,47	13,17	-	-	20,63	16,50	13,61	73,6	14,8	16	9.800	4 x 350	2,8	600	83
EC226B	30,43	20,83	16,66	15,30	4.100	26,63	21,30	17,57	88,3	17,0	19	12.720	4 x 400	2,6	600	102

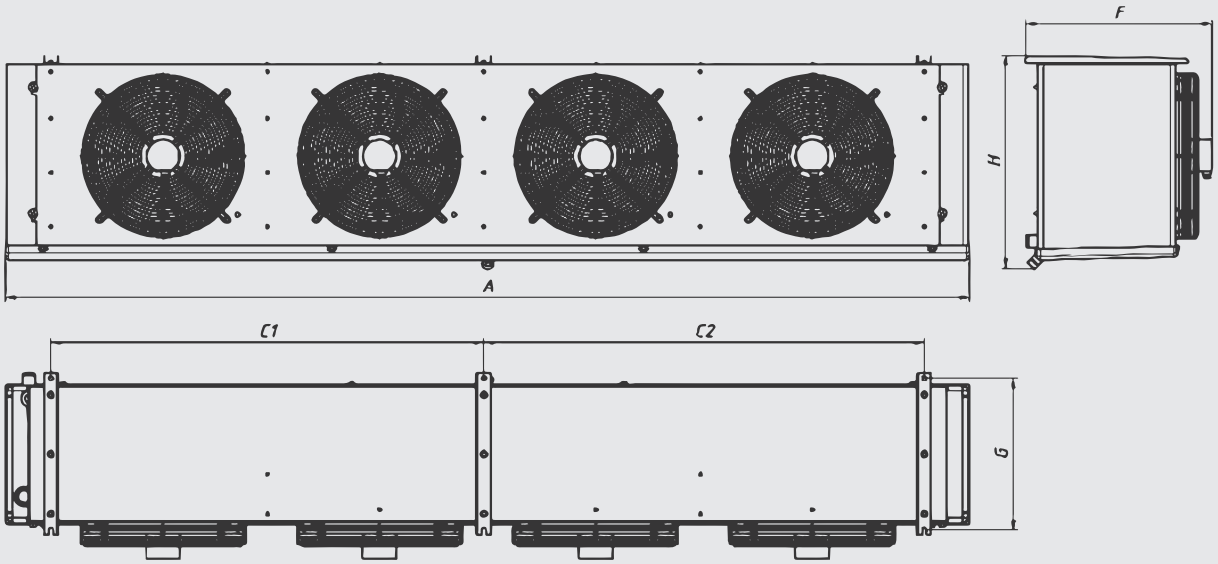
Fin spacing = 9 mm

Model	Capacity						Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	Standard Conditions EN328 R404A			Standard Conditions EN328 R744 (CO_2)										
	SC2 (kW)	SC3 (kW)	SC4 (kW)	SC2 (kW)	SC3 (kW)	SC4 (kW)			Flecha aire (m)	Air Flow (m^3/h)	N° x Ø	A	W	
EC14C	1,31	1,05	0,86	1,09	0,87	0,72	4,4	1,3	14	1.310	1 x 300	0,5	78	13
EC17C	1,61	1,29	1,06	1,48	1,18	0,97	5,5	1,6	14	1.270	1 x 300	0,5	78	14
EC23C	2,04	1,63	1,35	2,24	1,80	1,48	6,1	2,1	17	2.900	1 x 350	0,7	150	17
EC26C	2,42	1,93	1,60	3,16	2,53	2,08	8,2	2,8	17	2.750	1 x 350	0,7	150	19
EC28C	2,61	2,09	1,73	3,23	2,58	2,13	8,7	2,5	14	2.620	2 x 300	1,0	156	22
EC32C	3,04	2,43	2,01	3,84	3,07	2,53	10,2	3,3	17	2.650	1 x 350	0,7	150	21
EC35C	3,23	2,58	2,13	3,90	3,12	2,57	10,9	3,1	14	2.540	2 x 300	1,0	156	25
EC37C	3,49	2,79	2,31	4,40	3,52	2,90	12,3	4,1	17	2.550	1 x 350	0,7	150	23
EC44C	4,06	3,25	2,69	5,43	4,35	3,58	12,3	3,6	17	5.800	2 x 350	1,4	300	30
EC47C	4,30	3,44	2,84	5,56	4,45	3,67	14,7	4,3	19	3.300	1 x 400	0,7	150	28
EC57C	5,08	4,07	3,36	6,33	5,06	4,17	16,4	4,6	17	5.500	2 x 350	1,4	300	33
EC66C	6,18	4,94	4,08	7,60	6,08	5,02	20,4	6,1	17	5.300	2 x 350	1,4	300	37
EC75C	6,94	5,55	4,59	8,83	7,07	5,83	24,5	7,2	17	5.100	2 x 350	1,4	300	40
EC85C	7,88	6,30	5,21	10,13	8,10	6,68	24,5	7,5	17	8.250	3 x 350	2,1	450	49
EC98C	-	-	-	10,20	8,16	6,73	30,7	9,0	17	7.950	3 x 350	2,1	450	54
EC93C	8,58	6,87	5,67	11,19	8,95	7,38	29,4	8,5	19	6.600	2 x 400	1,4	300	49
EC115C	10,65	8,52	7,04	13,25	10,60	8,75	36,8	11,2	17	7.650	3 x 350	2,1	450	58
EC130C	-	-	-	13,61	10,89	8,98	40,9	11,8	17	10.600	4 x 350	2,8	600	69
EC140C	12,88	10,30	8,51	16,83	13,46	11,10	44,2	12,8	19	9.900	3 x 400	2,0	450	71
EC150C	13,78	11,02	9,11	17,35	13,88	11,45	49,1	14,8	17	10.200	4 x 350	2,8	600	75
EC187C	17,17	13,73	11,35	22,47	17,98	14,83	58,9	17,0	19	13.200	4 x 400	2,6	600	96

Codification Description

EC	C	23	C	E	T
Range	**Refrigerant** Ø=HFC C = CO_2 W = Glycol	**Model**	**Fin spacing** A = 4 mm B = 6 mm C = 9 mm	**Defrost** E = Electric P = Enhancing G = Hot gas Ø = Without Defrost	**Fans** Ø = Single-phase T = Three-phase

The manufacturer reserves all rights to make any changes without prior notice.



EC / Common Data

Model			Defrost		Connection		Drain pipe (Inches)	Dimensions					
			Normal (kW)	Enhancing (kW)	IN	OUT		C1 (mm)	C2 (mm)	G (mm)	F (mm)	H (mm)	A (mm)
EC21A	EC17B	EC14C	1,05	1,75	3/8"	1/2"	3/4"	422	-	423	520	426	675
EC26A	EC21B	EC17C	1,40	2,10	1/2"	5/8"	3/4"	422	-	423	520	426	675
EC31A	EC25B		1,40	2,10	1/2"	5/8"	3/4"	422	-	423	520	426	675
		EC23C	1,80	3,00	1/2"	12 mm	3/4"	622	-	423	535	510	875
EC38A	EC31B	EC26C	2,40	3,60	1/2"	1/2"	3/4"	622	-	423	535	510	875
EC43A	EC34B	EC28C	2,25	3,75	1/2"	5/8"	3/4"	822	-	423	520	426	1.075
EC48A		EC32C	3,00	4,20	1/2"	1/2"	3/4"	622	-	423	535	510	875
EC53A	EC42B	EC35C	3,00	4,50	1/2"	7/8"	3/4"	822	-	423	520	426	1.075
	EC46B	EC37C	3,00	4,20	1/2"	1/2"	3/4"	622	-	423	535	510	875
EC62A	EC49B		3,00	4,50	1/2"	7/8"	3/4"	822	-	423	520	426	1.075
EC64A	EC55B	EC44C	3,60	6,00	1/2"	5/8"	3/4"	1.222	-	423	535	510	1.475
EC70A		EC47C	3,00	4,80	1/2"	3/4"	3/4"	622	-	420	516	597	875
EC82A	EC70B	EC57C	4,80	7,20	1/2"	7/8"	3/4"	1.222	-	423	535	510	1.475
	EC86B	EC66C	6,00	8,40	1/2"	7/8"	3/4"	1222	-	423	535	510	1.475
EC107A	EC90B	EC75C	6,00	9,60	1/2"	7/8"	3/4"	1.222	-	423	535	510	1.475
		EC85C	7,20	10,80	1/2"	7/8"	3/4"	600	1.222	423	535	510	2.075
EC139A	EC113B	EC93C	6,00	9,60	5/8"	1-1/8"	3/4"	1.224	-	420	520	597	1.475
	EC135B	EC115C	9,00	14,40	1/2"	7/8"	3/4"	600	1.222	423	535	510	2.075
EC190A	EC160B		11,50	16,10	1/2"	7/8"	3/4"	1.200	1.222	423	535	510	2.675
EC210A	EC170B	EC140C	9,00	14,40	7/8"	1-3/8"	3/4"	600	1.223	420	516	597	2.075
	EC180B	EC150C	11,50	18,40	1/2"	7/8"	3/4"	1.200	1.222	423	535	510	2.675
EC280A	EC226B	EC187C	11,50	18,40	1-3/8"	1-3/8"	3/4"	1.200	1.221	420	516	597	2.675

I-CO-11.6-EC