GC Refrigeration
Keeping it Fresh

2023 | General catalogue

Contents

GC Refrigeration

At GC Refrigeration we have been manufacturing heat exchangers **since 1942**. After **over eighty years**, our goal continues to be to provide our customers with the best possible solution in a changing and demanding market. Therefore, we have state-of-the-art machinery, modern facilities that are well connected to the local hubs in our area and, most importantly, an outstanding, flexible and highly qualified team. All of which allows us to provide the best possible service. Our greatest challenge is to use all of our resources to develop and offer the best possible solutions for our customers.

Directives and certifications

- Machine Safety Directive 2006/42/EC.
- Low Voltage Electrical Equipment Directive 2014/35/EU.
- Electromagnetic Compatibility Directive 2014/30/EU.
- Pressure Equipment Directive 2014/68/EU.
- GOST certification (CUTR)
  The Russian certificate of conformity (quality) is an official document issued according to the certification standards. It confirms the conformity of products and services, stating the requirements of the legally established national standards in the Russian Federation with regard to the mandatory certification of products and services. According to the law, the sale of goods, including imported ones, will not be permitted without information about the mandatory certification.
- RoHS Certification (DIRECTIVE 2015/863)
- According to this directive, it must be ensured that any new electrical or electronic devices placed on the market do not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE).
- Motorised fans. ErP2015 compliance
- The ErP2015 Directive promotes energy efficiency, eco-friendly designs, the fight against climate change and reductions in CO_2 emissions. All motorised fans installed in our products comply with European Parliament Directive 2009/125/EC and bear the CE marking, showing that they have been manufactured in accordance with the current European directives. The Directive applies to motorised fans with input power between 125 W and 500 kW and it is mandatory in all EU countries

TÜV MANAGEMENT SERVICE ISO 9001 EAC CE RoHS 2002/95/EC ErP2015 EXCEEDS THE NORM

Presence

At GC we have a wide range of products that allow us to meet the needs of different markets. We are present in various countries, either through dealers or agents.

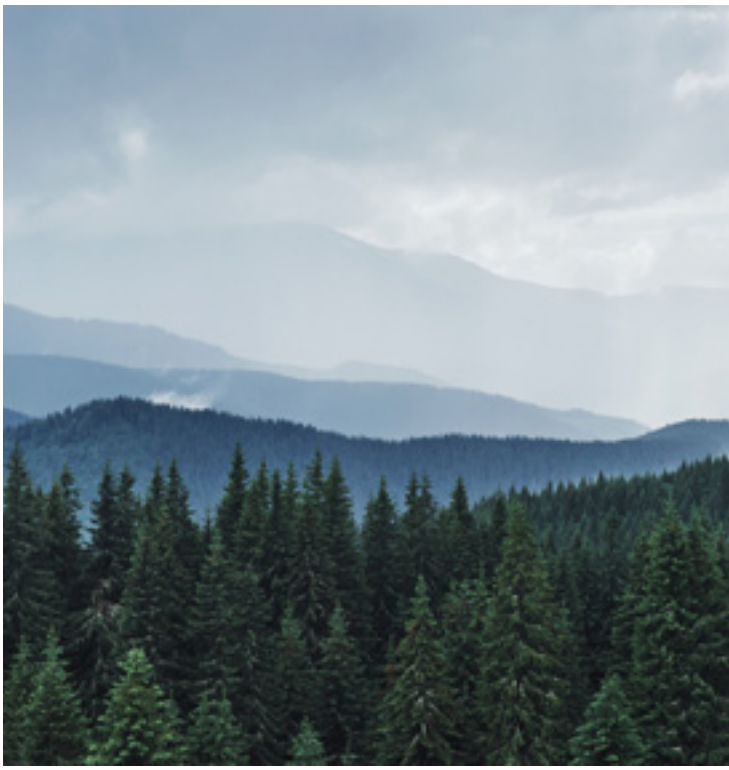
Our products are optimal for: HORECA channel, food, OMS refrigeration machinery manufacturers, commercial solutions for supermarkets, distribution, industrial processes, distribution centres, agri-food processes, cogeneration, data centres and generator sets.

Global image: GC Refrigeration

GC Keeping it Fresh

Green commitment

At GC Refrigeration we are committed to protecting the environment and we are aware of the need to develop increasingly more efficient and eco-friendly products.



Regulation (EU) No. 517/2014 (F-Gas) is focused on reducing fluids with a high global warming potential (GWP). This regulation calls for a gradual reduction of the fluids available on the market from 2015 to 2030, with quantities of HFC to be reduced to 21% in 2030. In the near future, it will be necessary to prepare to use flammable or toxic fluids with a low GWP.

At GC we have undertaken to study and design new ranges with natural refrigerants with a lower GWP than current HFCs. These new refrigerants are CO_2 (R744) and NH_3 (R717).

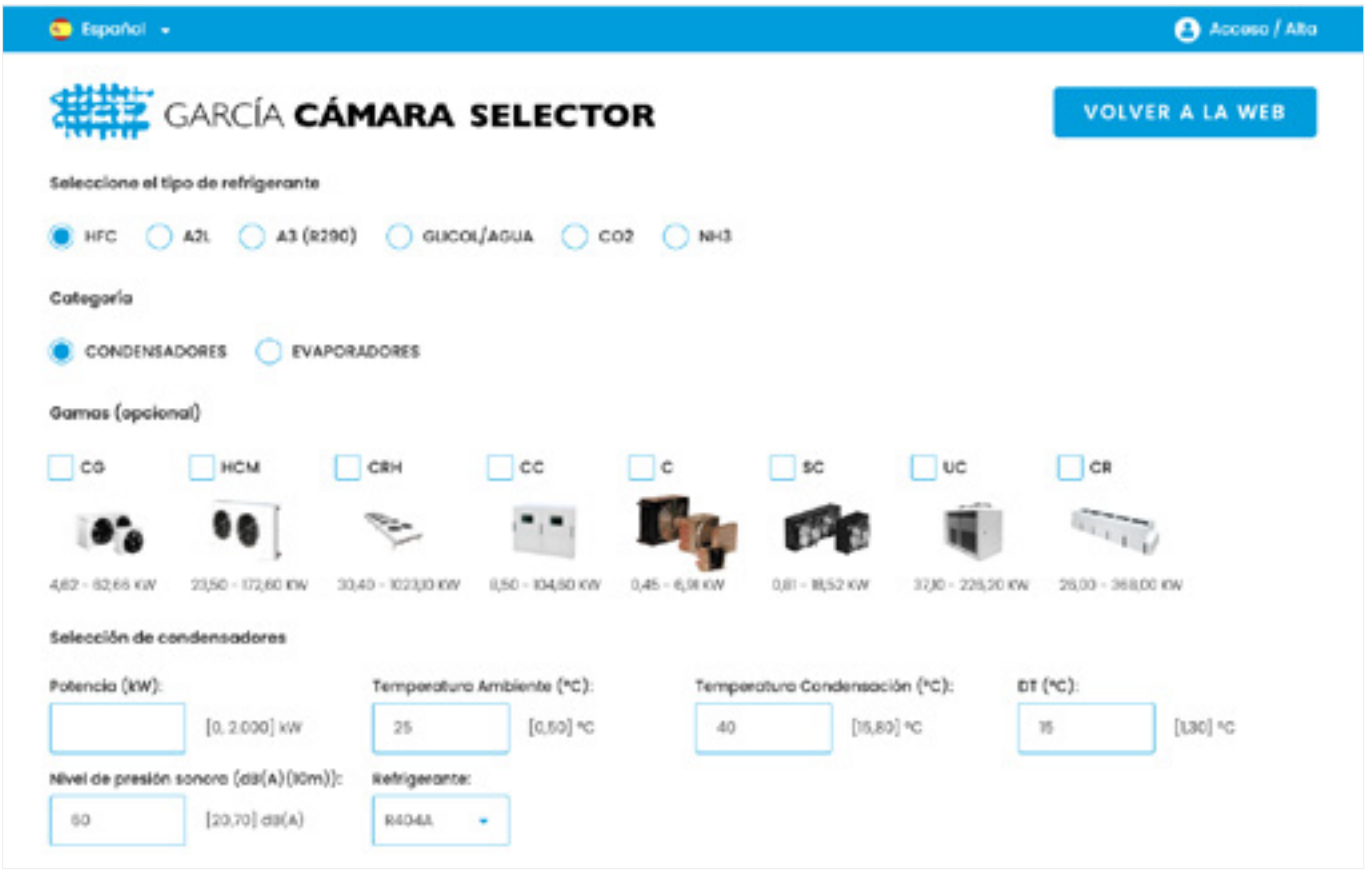
The main reasons why we have decided to design our products to work with CO_2 are as follows:
It is a natural fluid that has a minimal impact on global warming of the planet (GWP = 1).
It is not a flammable fluid.
It is not toxic

All of our products are designed for use with Co2 with PS 45, PS60 and PS80.

With respect to ammonia (R717), its GWP is 0. Although it is a flammable and toxic fluid, it performs very well and we have opted to use it; nonetheless, we are mindful of the technical difficulties involved in designing these systems. We have designed the CUBE and DUAL ranges to work with R717.

We install motors that comply with the ErP2015 directive, which are more efficient, and electric motors with EC technology, which provide substantial energy savings.
We design and manufacture in accordance with the ROHS directive. We make sure that all the materials and components that we use are 100% recyclable and minimise the use of disposable elements, such as packaging.

GC Refrigeration



GC Refrigeration's Product Selector is a simple, useful and intuitive tool. It is a selection program that allows you to choose the right evaporator or condenser to suit your needs; this software is available on our website **www.garciacamara.com**. This selector is open and free to use but, if you wish, you can register and it will allow you to view the prices of our products. Additionally, you can print out the result of your selection in PDF format.

Evaporators

GC Refrigeration has a wide selection of evaporators that are used for a broad range of commercial and industrial applications.

Features

Coil: Made with a copper tube in a staggered arrangement to optimise performance. Corrugated aluminium fins and turbulators that take full advantage of the airflow. All of our products are supplied with a valve core and charged with inert gas to ensure that they are suitably clean and sealed.

Body: Made with top-quality materials and with a finish suitable to meet the needs and requirements of each field. Made entirely from aluminium, plain in the case of MBS and BSL models. For all other ranges, it is painted with oven-polymerised epoxy polyester. All fasteners are stainless steel. The drains are turned and riveted to the outer trays, avoiding dirt and possible leaks. The coils are divided by separator plates, which ensure that the airflow from each fan is directed towards the right area, thus avoiding the bypass effect.

Fans: Made in Europe, they have been selected to deliver the best possible performance. Shaded pole for the OMS, MBS and BSL ranges. External rotor fan with a thermal protector for all other ranges. Different voltage options available, in addition to state-of-the-art electric motors with EC technology.

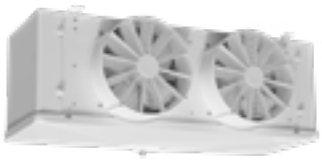
Defrosting: With shielded electrical resistors made of stainless steel and with sealed terminals. Connected to a junction box with IP54 protection.

Electrical connection: In series for all evaporators. It is wired using a halogen-free cable via a cable gland to a sealed box with a IP54 protection rating. Connected to a junction box with IP54 protection.

Packaging: In cardboard boxes with polystyrene ends. LC industrial evaporators are in a wooden crate and they have a special design that allows them to be installed easily without needing to turn them over.

STANDARD CONDITIONS ACCORDING TO STANDARD EN328		
	Air inlet temp.	Evaporation temp.
SC1 (TD=10)	10ºC	0ºC
SC2 (TD=8)	0ºC	-8ºC
SC3 (TD=7)	-18ºC	-25ºC
SC4 (TD=6)	-25ºC	-31ºC

MBS range (0.3 - 4.5 kW) Page 14
MC range (1.5 - 5.5 kW) Page 18



BSL range (1.5 - 17.2 kW) Page 22

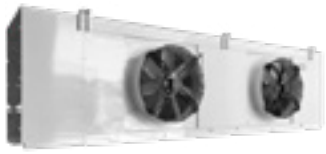
EC range (2 - 25.7 kW) Page 28

EDS range (2.4 - 7.8 kW) Page 34

EPL range (3 - 79 kW) Page 38

LC range (16 - 138 kW) Page 44

DUAL HFC Glycol range Page 50
DUAL NH_3 range Page 64



CUBE HFC Glycol range Page 56
CUBE NH_3 range Page 70

ABT range
(17.5 - 63.8 kW) Page 76

EVPC/EVPR range
(20 - 107 kW) Page 80

EM range Page 88

SDH range Page 90

Evaporator range

Range	Kw	Application			Fluids						Fans					Fin pitches	Body				Page
											Type			Commutation							
		OMS	Commercial	Industrial	Freons	A2L	Glycol	CO_2 (PS=45-60bar)	CO_2 (PS=80bar)	NH_3	Axial	Centrifugal	Radial	Ac	Ec		Plain	Pre-lacquered	Painted	Abs	
MBS	0,3 – 4,5	●	●		●	●					●			●	●	4 / 6	●				14
MC	1,5 – 5,5		●		●		●	●			●			●	●	4 / 6			●		18
BSL	1,5 – 17,2		●		●	●					●			●	●	4 / 6 / 9		●			20
EC	2 – 25,7		●	●	●	●	●	●			●			●	●	4 / 6 / 9			●		26
EDS	2,4 – 7,8		●		●		●				●			●	●	3,5 / 6				●	32
EPL	3 – 79			●	●	●	●	●			●			●	●	4 / 6 / 9			●		36
LC	16 – 138			●	●		●	●			●			●	●	4,5 / 7 / 10			●		42
DUAL CUBE	6,6 – 154			●	●		●			●	●			●	●	4,5 / 7 / 10			●		50, 64 56, 70
ABT	19 – 66			●	●			●						●	●	10			●		76
EVPC EVPR	20 – 107			●	●		●					●	●	●	●	4,5 / 7 / 10			●		80
SCHP MEHP	2 – 10			●	●			●	●		●			●	●	10			●		90

CO_2 (Selection example)

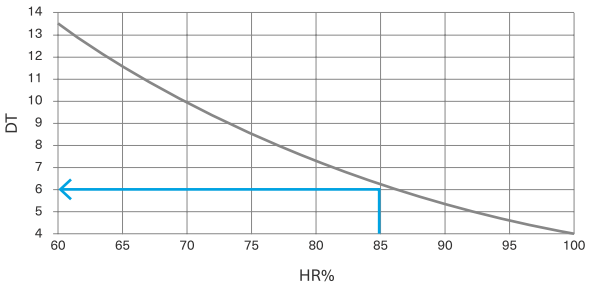
We select an evaporator to maintain a cold room at -20ºC and with 85% relative humidity, which requires a minimum cooling capacity of 8000 W using R744 gas (CO_2). From the RH% chart we obtain TD = 6K. The correction factor (CF) for TD = 6K and an air inlet temperature of -20ºC is obtained from the CF chart; in this case we obtain a value of 0.65. Adjusted capacity:

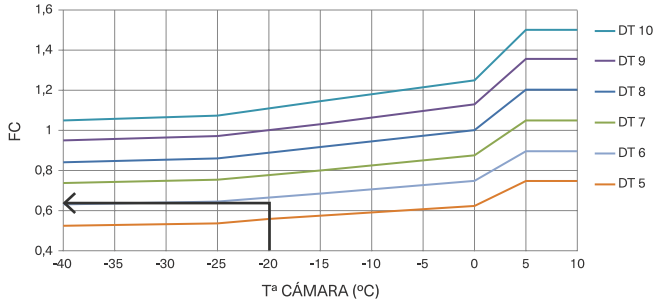
$$NC = \frac{RC}{Cf \cdot Gf}$$

With the information we have we get:

$$NC = \frac{8{,}000}{0.65} = 12{,}307\ W$$

We select the evaporator whose power value (in SC2 column TD=8) is close to the calculated value; in this case it is the ECC115C.





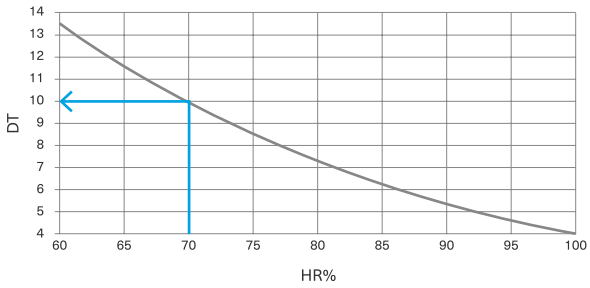
HFC (Selection example)

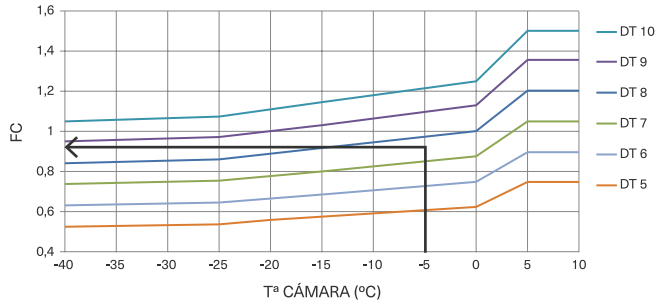
We select an evaporator to maintain a cold room at -5ºC and with 70% relative humidity, which requires a minimum cooling capacity of 8000 W using R134A gas. From the RH% chart we obtain TD = 10 K. The correction factor (CF) for TD = 10K and an air inlet temperature of -5ºC is obtained from the CF chart; in this case we obtain a value of 1.23. The correction factor due to the gas is 0.91. Adjusted capacity:

$$NC = \frac{RC}{Cf \cdot Gf}$$

With the information we have we get:

$$NC = \frac{8{,}000}{1.23 \cdot 0.91} = 7{,}147\ W$$





We select the evaporator whose power value (in SC2 TD=8) is close to the calculated value; in this case it is the **EC55B.**

REFRIGERANT GAS CORRECTION FACTOR								
REFRIGERANT	R134A	R404A	R507A	R407A	R407A	R407A	R448A	R449A
G_F	0.91	1	1.02	1.06	1.06	1.07	1.1	1.04

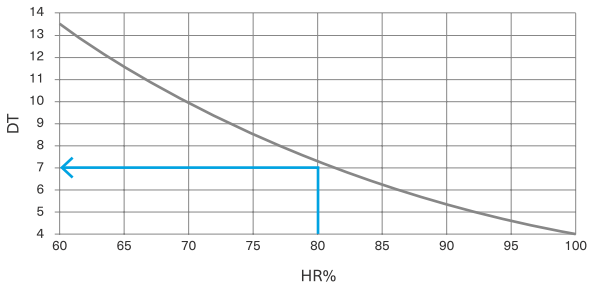
Propylene glycol (Selection example)

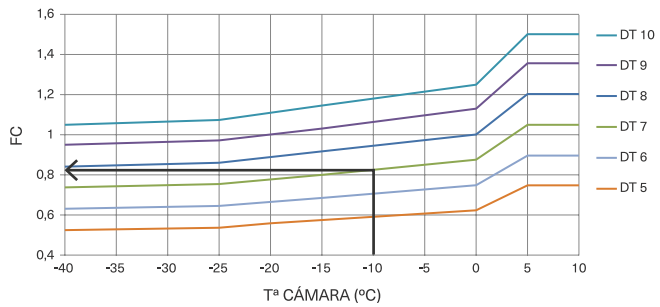
We select an evaporator to maintain a cold room at -10ºC and with 80% relative humidity, which requires a minimum cooling capacity of 8000 W using ethylene glycol at 30%. From the RH% chart we obtain TD = 7 K. The correction factor (CF) for TD = 7K and an air inlet temperature of -10ºC is obtained from the CF chart; in this case we obtain a value of 0.82. Adjusted capacity:

$$NC = \frac{RC}{Cf \cdot Gf}$$

With the information we have we get:

$$NC = \frac{8{,}000}{0.82} = 9{,}756\ W$$





We select the evaporator whose power value is close to the calculated value; in this case it is the ECW113B.

% GLYCOL CORRECTION FACTOR							
	10	15	20	25	30	35	40
$C_{F\ Ethylene\ Glycol}$	1.25	1.21	1.14	1.07	1	0.93	0.68
$C_{F\ Propylene\ Glycol}$	0.9	0.87	0.82	0.8	0.7	0.68	0.67

RangeMBS

CEILING-MOUNTED EVAPORATORS

Operating range
0.3 - 4.5 kW

- Suitable for small cold rooms
- Aluminium body
- Highly compact design, small in size
- Two fin pitches for high and low temperatures

Features

Coil: Made with a 3/8” tube in a staggered arrangement and with aluminium fins with 4 mm or 6 mm pitches.

Body: Made entirely from plain aluminium, protected with a plastic film. Riveted drain to prevent leaks and damage. Drip tray between the coil and body. Hinge opening, the evaporator can be split into two pieces, for ease of installation.

Defrosting: Via shielded electrical resistors made of stainless steel and with sealed terminals, connected to a IP54 compliant junction box.

Fans: Single-phase 220 V 50/60 Hz. VDE standards. Connected to a IP54-rated junction box. Protected with a grille in accordance with the 2006/42/EC directive. Mounted with a fixing system that allows it to be removed without needing to disassemble the body.

Options

- Blygold-treated coil
- Expansion valve
- EC electric fans

Technical data

4 MM FIN PITCH

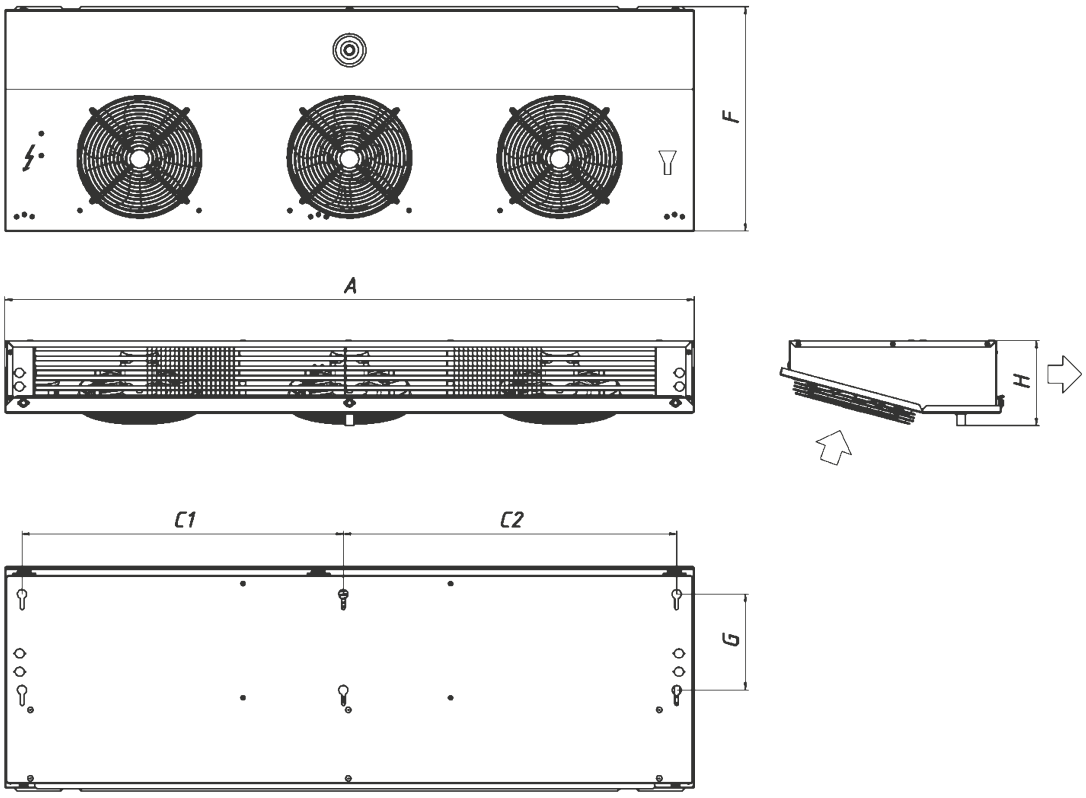
Model	Capacity: Standard conditions EN328 R404A		Area (m^2)	Fans				Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)		Airflow m^3/h	No. x Ø	A	W	
MBS161A	0.34	0.23	1.3	320	1x200	0.3	36	5
MBS241A	0.50	0.34	1.9	300	1x200	0.3	36	5
MBS162A	0.67	0.46	2.5	640	2x200	0.5	72	8
MBS242A	1.01	0.69	3.8	600	2x200	0.5	72	9
MBS243A	1.51	1.03	5.7	900	3x200	0.8	108	13
MBS361A	1.55	1.06	4.4	500	1x250	0.4	60	9
MBS244A	2.04	1.40	7.6	1,200	4x200	1.0	144	17
MBS362A	3.18	2.18	8.9	1,000	2x250	0.8	120	16
MBS363A	4.82	3.30	13.3	1,500	3x250	1.3	180	24
MBS364A	6.45	4.42	17.8	2,000	4x250	1.7	240	30

6 MM FIN PITCH

Model	Capacity: Standard conditions EN328 R404A		Area (m^2)	Fans				Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)		Airflow m^3/h	No. x Ø	A	W	
MBS161A	0.34	0.23	1.3	320	1x200	0.3	36	5
MBS241A	0.50	0.34	1.9	300	1x200	0.3	36	5
MBS162A	0.67	0.46	2.5	640	2x200	0.5	72	8
MBS242A	1.01	0.69	3.8	600	2x200	0.5	72	9
MBS243A	1.51	1.03	5.7	900	3x200	0.8	108	13
MBS361A	1.55	1.06	4.4	500	1x250	0.4	60	9
MBS244A	2.04	1.40	7.6	1,200	4x200	1.0	144	17
MBS362A	3.18	2.18	8.9	1,000	2x250	0.8	120	16
MBS363A	4.82	3.30	13.3	1,500	3x250	1.3	180	24
MBS364A	6.45	4.42	17.8	2,000	4x250	1.7	240	30

NOMENCLATURE (MBS161BE)

MBS	A2L	16	1	B	E
Range	Refrigerante Ø =HFC A2L	Model	No. fans 1 / 2 / 3 / 4	Fin pitch A = 4 mm B = 6 mm	Defrosting E = with resistors Ø = no defrosting



MBS | COMMON DATA

Model		Volume (dm³)	Defrosting (W)	Connections		Drain (inches)	Dimensions					
				IN	OUT		C1 (mm)	C2 (mm)	G (mm)	F (mm)	H (mm)	A (mm)
MBS161A	MBS161B	0.5	500	6 mm	9 mm	3/4"	-	287	185	446	143	422
MBS162A	MBS162B	0.8	650	6 mm	9 mm	3/4"	-	587	185	446	143	722
MBS241A	MBS241B	0.7	500	6 mm	9 mm	3/4"	-	287	185	446	143	422
MBS242A	MBS242B	1.3	650	6 mm	9 mm	3/4"	-	587	185	446	143	722
MBS243A	MBS243B	1.8	1,000	12 mm	12 mm	3/4"	443	443	185	446	143	1,022
MBS244A	MBS244B	2.6	1,200	12 mm	12 mm	3/4"	572	615	185	446	143	1,322
MBS361A	MBS361B	1,2	1,200	9 mm	9 mm	3/4"	-	514	210	482	186	590
MBS362A	MBS362B	2.4	1,000	12 mm	1/2"	3/4"	-	974	210	482	186	1,050
MBS363A	MBS363B	3.7	1,500	1/2"	1/2"	3/4"	704	730	210	482	186	1,510
MBS364A	MBS364B	4.9	2,000	1/2"	1/2"	3/4"	914	980	210	482	186	1,970

I-CO-20.2-MBS

MC range

CEILING-MOUNTED EVAPORATORS

Operating range
1.5 - 5.5 kW

- Suitable for small cold rooms
- Version for CO_2 and glycol
- High humidity (suitable for fresh products)
- Two fin pitches for high and low temperatures

Features

Coil: Made with a ½" tube in a staggered arrangement and with aluminium fins with 4 mm or 6 mm pitches, with a large secondary to primary surface area ratio that allows a high level of humidity to be maintained in the cold room.

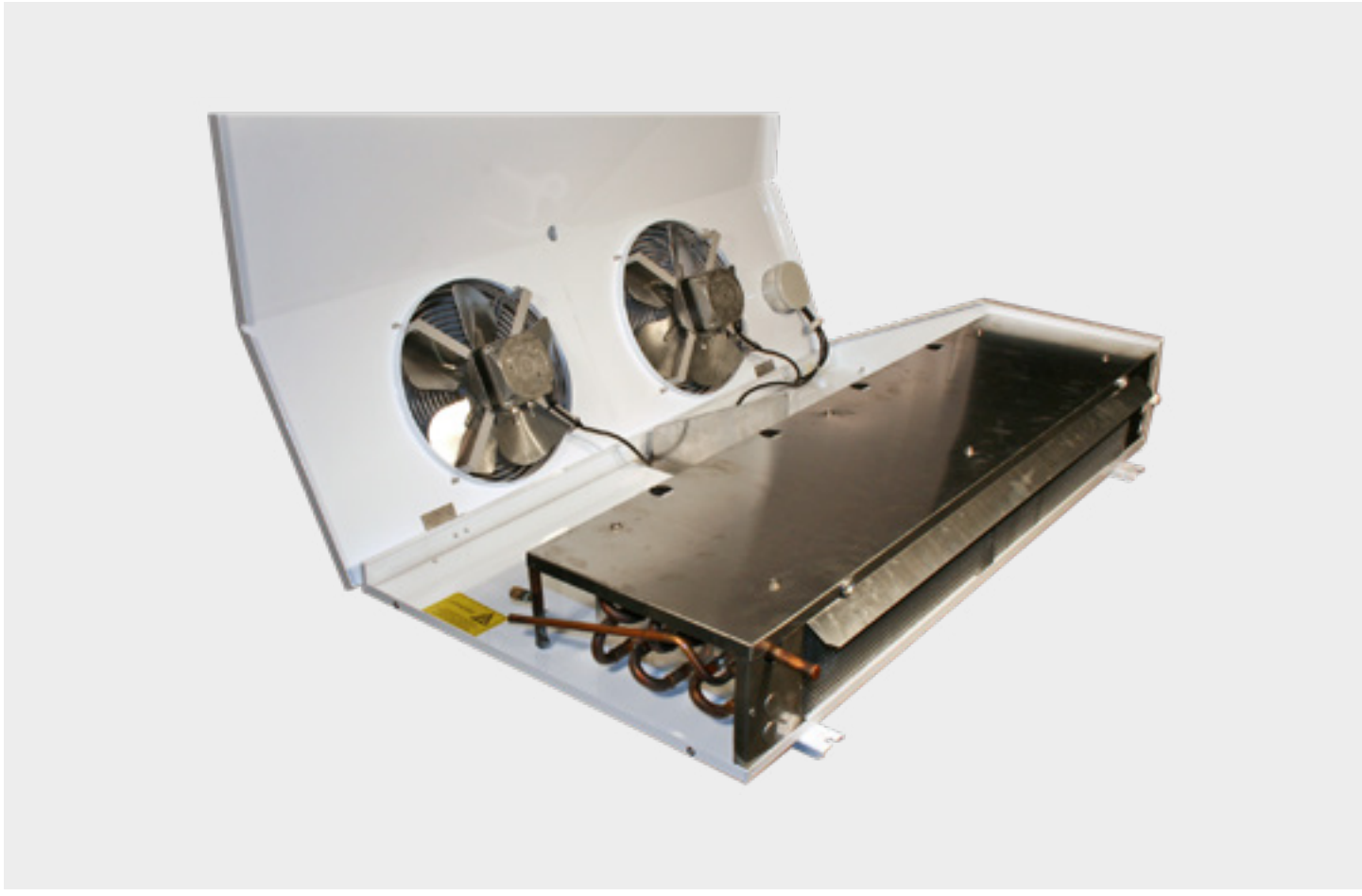
Body: Made entirely with white lacquered aluminium with oven-polymerised epoxy polyester. Stainless steel fasteners. Threaded aluminium drain, welded at an angle that prevents leaks and damage and saves space in the cold room. Drip tray between the coil and body. Hinge opening, the evaporator can be split into two pieces, for ease of installation. Lateral inspection hatches for maintenance without needing to open up the evaporator.

Defrosting: Via shielded electrical resistors made of stainless steel and with sealed terminals, connected to a IP54 compliant junction box.

Fans: Single-phase 220 V 50/60 Hz. VDE standards. Connected to a IP54-rated junction box. Protected with a grille in accordance with the 2006/42/EC directive. Mounted with a fixing system that allows it to be removed without needing to disassemble the body.

Options

- Blygold-treated coil
- Expansion valve
- Special voltage motors
- EC electric fans
- Glycol version
- CO_2 version



Technical data

4 MM FIN PITCH

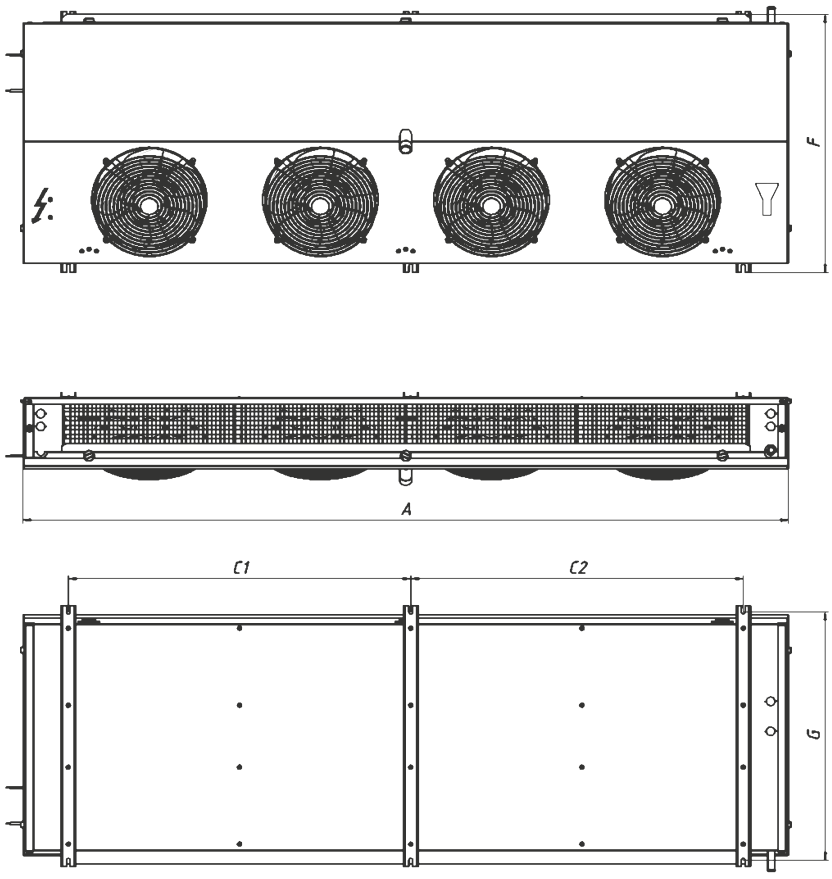
Model	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct=0ºC $IN_{glycol\ temp.}$=-10ºC		Area (m^2)	Fans				Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	P (kW)	Q (l/h)		Airflow m^3/h	No. x Ø	A	W	
MC14A	1.93	1.32	2.00	465	7.8	500	1x250	0.3	36	10
MC29A	3.86	2.64	2.87	360	15.6	1,000	2x250	0.5	72	17
MC43A	5.79	3.96	5.36	1,690	23.4	1,500	3x250	0.8	108	25
MC57A	7.72	5.28	5.92	1,480	31.2	2,000	4x250	1	144	32

6 MM FIN PITCH

Model	Standard conditions EN328 R404A			Ethylene Glycol 30% PD=50 kPa Ct=0ºC $IN_{glycol\ temp.}$=-10ºC		Standard conditions EN328 R744 (CO_2)			Area (m^2)	Fans				Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	SC3 TD=7 (kW)	P (kW)	Q (l/h)	SC2 TD=8 (W)	SC3 TD=7 (W)	SC4 TD=6 (W)		Airflow m^3/h	No. x Ø	A	W	
MC13B	1.73	1.19	0.95	1.21	420	-	-	-	5.2	530	1x250	0.3	36	10
MC26B	3.47	2.37	1.9	1.75	290	-	-	-	10.4	1,060	2x250	0.5	72	16
MC39B	5.2	3.56	2.85	3.25	1,520	3,063	2,450	2,021	15.6	1,590	3x250	0.8	108	23
MC52B	6.93	4.75	3.8	3.79	1,330	4,288	3,430	2,830	20.8	2,120	4x250	1	144	30

NOMENCLATURE (MCW14AE)

MC	A2L	W	14	A	E
Range	Refrigerante Ø =HFC A2L	Refrigerant Ø=HFC C = CO_2 W = Glycol	Model	Fin pitch A = 4 mm B = 6 mm	Defrosting E = with resistors Ø = no defrosting



MC | COMMON DATA

Model		Volume (dm³)	Defrosting (W)	Connections		Drain (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"	1,178	-	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-17.4-MC

BSL range

CUBIC EVAPORATORS

Operating range
1.5 - 17.2 kW

- Aluminium body
- Diffuser with an exclusive design that ensures a long air throw
- Small-size cubic evaporator models with a very compact design
- Three fin pitches that enable a wide operating range

Features

Coil: Made with a 1/2” tube in a staggered arrangement and with aluminium fins with 4 mm, 6 mm and 9 mm pitches.

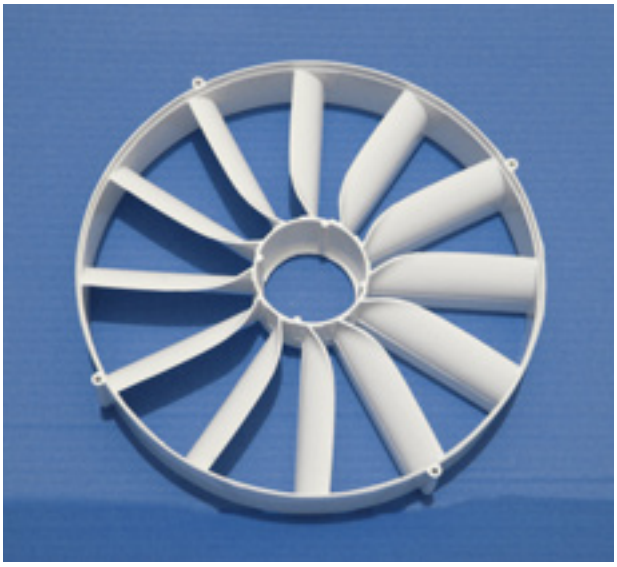
Body: Made entirely with white pre-lacquered aluminium, protected with a plastic film. Riveted drain at an angle to the tray, prevents leaks and damage and saves space in the cold room. Drip tray between the coil and body. Rounded edges for easy cleaning. Lateral inspection hatches with wing nut opening, all fasteners are stainless steel. Gap between fans, each fan is directed towards its respective section of the coil, thus avoiding the air *bypass* effect.

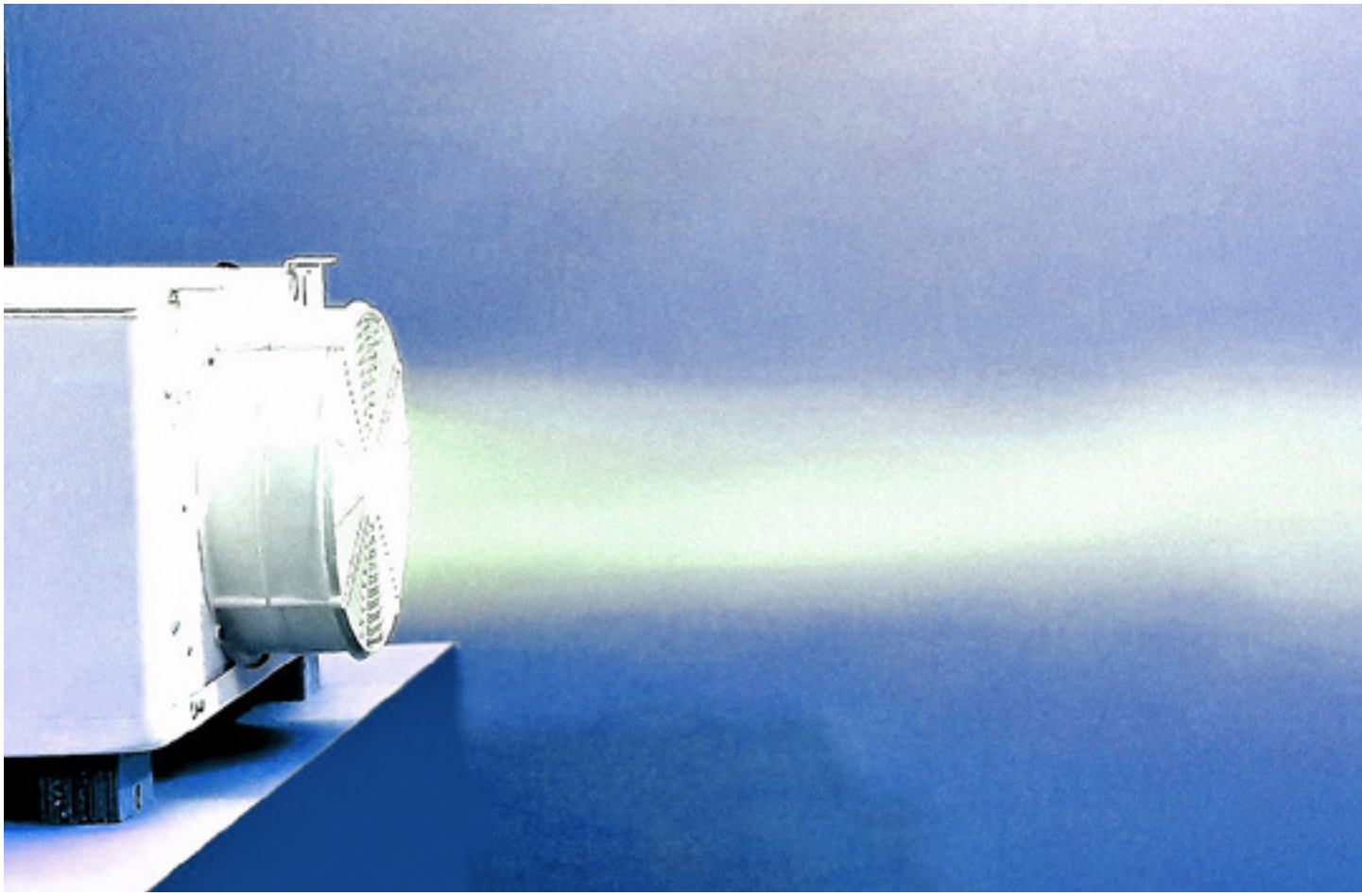
Defrosting: Via shielded electrical resistors made of stainless steel and with sealed terminals, connected to a IP54 compliant junction box.

Fans: Single-phase 220 V 50/60 Hz. VDE standards. Connected to a IP54-rated junction box. Diffuser with an exclusive design that ensures a large air throw. Mounted with a fixing system that allows it to be removed without needing to disassemble the body.

Options

- Blygold-treated coil
- Expansion valve
- EC electric fans





Technical data

4 MM FIN PITCH

Model	Standard conditions EN328 R404A		Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)			Air throw (m)	Airflow m^3/h	No. x Ø	A	W	
BSL15A	2.24	1.53	7.6	1	9	1,250	1 x 300	0.6	90	11
BSL19A	2.86	1.96	10.2	1.4	9	1,100	1 x 300	0.6	90	12
BSL24A	3.54	2.42	13	2	9	1,000	1 x 300	1	90	13
BSL28A	4.18	2.86	15	2	9	950	1 x 300	1	90	14
BSL30A	4.47	3.06	15.3	1.8	9	2,500	2 x 300	1.2	180	19
BSL39A	5.73	3.92	20.4	2.5	9	2,200	2 x 300	1.2	180	21
BSL48A	7.06	4.83	25.5	3.2	9	2,000	2 x 300	1.2	180	24
BSL57A	8.35	5.71	30.6	3.7	9	1,900	2 x 300	1.2	180	26
BSL72A	10.59	7.25	38.3	4.6	9	3,000	3 x 300	1.9	270	33
BSL78A	11.46	7.84	40.9	5	9	4,400	4 x 300	2.5	360	40
BSL86A	12.53	8.57	45.9	5.4	9	2,850	3 x 300	1.9	270	36
BSL96A	14.11	9.66	51.3	6.7	9	4,000	4 x 300	2.5	360	44
BSL114A	16.69	11.43	61.6	8	9	3,800	4 x 300	2.5	360	49
BSL121A	17.62	12.06	64.1	8.3	9	5,000	5 x 300	3.1	450	56
BSL142A	20.87	14.29	77	9.9	9	4,750	5 x 300	3.1	450	60
BSL171A	25.05	17.15	91.8	10.3	9	5,700	6 x 300	3.7	540	71

6 MM FIN PITCH

Model	Standard conditions EN328 R404A			Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	SC2 TD=8 (kW)			Air throw (m)	Airflow m^3/h	No. x Ø	A	W	
BSL12B	1.78	1.22	0.97	4.9	1	10	1,350	1 x 300	0.6	90	10
BSL16B	2.3	1.57	1.26	6.5	1.4	10	1,250	1 x 300	0.6	90	11
BSL20B	2.84	1.94	2	8	2	10	1,100	1 x 300	0.6	90	12
BSL23B	3.35	2.29	2	10	2	10	1,050	1 x 300	0.6	90	13
BSL25B	3.55	2.43	1.95	9.8	1.8	10	2,700	2 x 300	1.2	180	18
BSL31B	4.6	3.15	2.52	13.1	2.5	10	2,500	2 x 300	1.2	180	20
BSL38B	5.66	3.87	3.1	16.4	3.2	10	2,200	2 x 300	1.2	180	21
BSL46B	6.69	4.58	3.67	19.6	3.7	10	2,100	2 x 300	1.2	180	23
BSL58B	8.49	5.81	4.65	24.5	4.6	10	3,300	3 x 300	1.9	270	30
BSL68B	10.05	6.88	5.51	29.4	5.4	10	3,150	3 x 300	1.9	270	32
BSL63B	9.19	6.29	5.04	26.2	5	10	3,750	4 x 300	2.5	360	36
BSL77B	11.32	7.75	6.2	32.7	6.7	10	4,400	4 x 300	2.5	360	40
BSL91B	13.4	9.17	7.34	39.2	8	10	4,200	4 x 300	2.5	360	43
BSL98B	14.3	9.79	7.83	40.9	8.3	10	5,500	5 x 300	3.1	450	50
BSL115B	16.75	11.46	9.17	49.1	9.9	10	5,250	5 x 300	3.1	450	53
BSL137B	20.09	13.75	11	58.9	10.3	10	6,300	6 x 300	3.7	540	63

9 MM FIN PITCH

Model	Standard conditions EN328 R404A			Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	SC2 TD=8 (kW)			Air throw (m)	Airflow m^3/h	No. x Ø	A	W	
BSL10C	1.01	0.81	0.67	3.3	1	11	1,450	1 x 300	0.6	90	10
BSL13C	1.31	1.05	0.86	4.4	1.4	11	1,350	1 x 300	0.6	90	11
BSL16C	1.61	1.29	1	6	2	11	1,250	1 x 300	0.6	90	11
BSL19C	1.9	1.52	1	7	2	11	1,150	1 x 300	0.6	90	12
BSL26C	2.61	2.09	1.73	8.7	2.5	11	2,700	2 x 300	1.2	180	19
BSL33C	3.23	2.58	2.13	10.9	3.2	11	2,500	2 x 300	1.2	180	20
BSL38C	3.82	3.05	2.52	13.1	3.7	11	2,300	2 x 300	1.2	180	22
BSL48C	4.84	3.87	3.2	16.4	4.6	11	3,750	3 x 300	1.9	270	28
BSL57C	5.72	4.58	3.78	19.6	5.4	11	3,450	3 x 300	1.9	270	30
BSL65C	6.45	5.16	4.26	21.8	6.7	11	5,000	4 x 300	2.5	360	38
BSL76C	7.63	6.1	5.04	26.2	8	11	4,600	4 x 300	2.5	360	41
BSL95C	9.54	7.63	6.31	32.7	9.9	11	5,750	5 x 300	3.1	450	50
BSL114C	11.45	9.16	7.56	39.2	10.3	11	6,900	6 x 300	3.7	540	59
BSL98B	14.3	9.79	7.83	40.9	8.3	10	5,500	5 x 300	3.1	450	50
BSL115B	16.75	11.46	9.17	49.1	9.9	10	5,250	5 x 300	3.1	450	53
BSL137B	20.09	13.75	11	58.9	10.3	10	6,300	6 x 300	3.7	540	63

NOMENCLATURE (BSL142AE)

BSL	A2L	142	A	E
Range	Refrigerante Ø =HFC A2L	Model	Fin pitch A = 4 mm B = 6 mm C = 9 mm	Defrosting E = with resistors Ø = no defrosting

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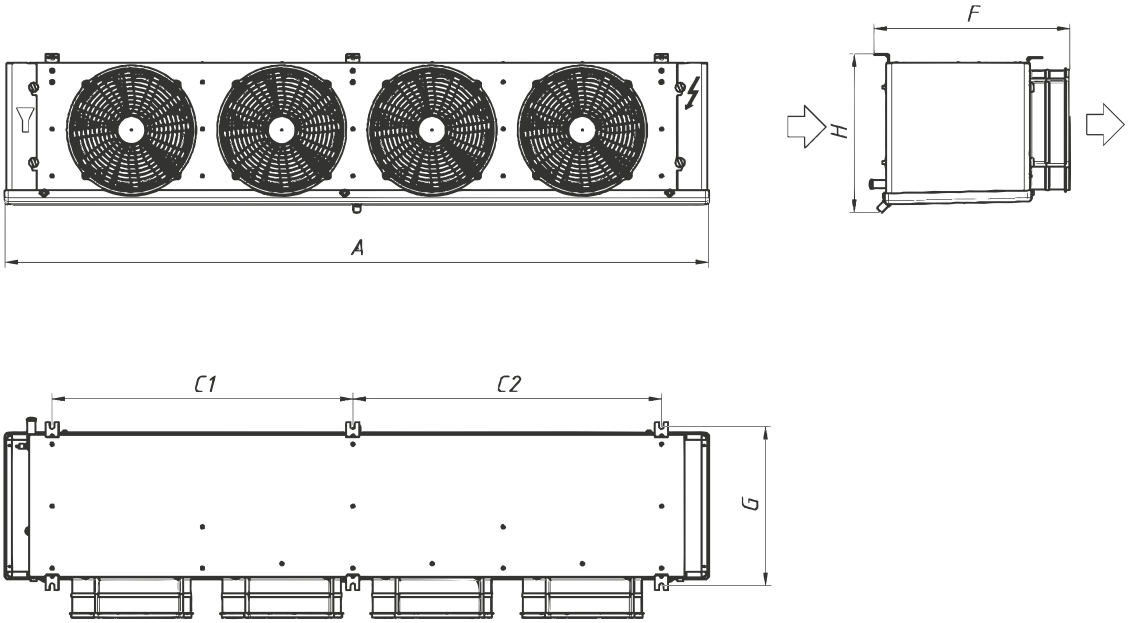

BSL | COMMON DATA

Model			Defrosting (W)	Connections		Drain (inches)	Dimensions					
				IN	OUT		C1 (mm)	C2 (mm)	G (mm)	F (mm)	H (mm)	A (mm)
BSL15A	BSL12B	BSL10C	1.050	12 mm	12 mm	3/4"	422	-	423	521	422	675
BSL19A	BSL16B	BSL13C	1,050	12 mm	12 mm	3/4"	422	-	423	521	422	675
BSL24A	BSL20B	BSL16C	1,050	12 mm	12 mm	3/4"	422	-	423	521	422	675
BSL28A	BSL23B	BSL19C	1,050	12 mm	12 mm	3/4"	422	-	423	521	422	675
BSL30A	BSL25B		2,250	1/2"	5/8"	3/4"	822	-	423	521	422	1,075
BSL39A	BSL31B	BSL26C	2,250	1/2"	5/8"	3/4"	822	-	423	521	422	1,075
BSL48A	BSL38B	BSL33C	3,000	1/2"	7/8"	3/4"	822	-	423	521	422	1,075
BSL57A	BSL46B	BSL38C	3,000	1/2"	7/8"	3/4"	822	-	423	521	422	1,075
BSL72A	BSL58B	BSL48C	4,800	1/2"	7/8"	3/4"	1,222	-	423	521	422	1,475
BSL78A	BSL63B		4,500	1/2"	7/8"	3/4"	800	822	423	521	422	1,875
BSL86A	BSL68B	BSL57C	4,800	1/2"	7/8"	3/4"	1,222	-	423	521	422	1,475
BSL96A	BSL77B	BSL65C	6,000	1/2"	7/8"	3/4"	800	822	423	521	422	1,875
BSL114A	BSL91B	BSL76C	6,000	1/2"	7/8"	3/4"	800	822	423	521	422	1,875
BSL121A	BSL98B	BSL95C	8,000	1/2"	7/8"	3/4"	800	1,222	423	521	422	2,275
BSL142A	BSL115B		8,000	1/2"	7/8"	3/4"	800	1,222	423	521	422	2,275
BSL171A	BSL137B	BSL114C	9,200	1/2"	7/8"	3/4"	1,200	1,222	423	521	422	2,675


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EC range

CUBIC EVAPORATORS

Operating range
2 - 25.7 kW

- Suitable for cold rooms with fresh products
- Version for CO_2 and glycol
- Maintains a high level of humidity
- Three fin pitches that enable a wide operating range

Features

Coil: Made with a 1/2” tube in a staggered arrangement and with aluminium fins with 4 mm, 6 mm and 9 mm pitches, with a large surface area ratio that allows a high level of humidity to be maintained in the cold room.

Fans: External rotor, single-phase 220 V 50/60 Hz. Three-phase option available. Connected to a IP54-rated junction box. Protected with a grille in accordance with the 2006/42/EC directive.

Defrosting: Via shielded electrical resistors made of stainless steel and with sealed terminals, connected to a IP54 compliant junction box.

Body: Made entirely with white lacquered aluminium with oven-polymerised epoxy polyester. Stainless steel fasteners. Threaded and riveted aluminium drain, at an angle that prevents leaks and damage and reduces the space occupied in the cold room. Drip tray between the coil and body. Rounded edges for easy cleaning. Lateral inspection hatches with wing nut opening, all fasteners are stainless steel. Gap between fans, each fan is directed towards its respective section of the coil, thus avoiding the air *bypass* effect.

Options

- CO_2 and Glycol version
- EC fans and special voltage
- Blygold-treated coil
- Features an expansion valve

Technical data

4 MM FIN PITCH

Model	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct=0°C $IN_{glycol\ temp.}$=-10°C		Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	P (kW)	Q (l/h)			Air throw (m)	Airflow m^3/h	No. x Ø	A	W	
EC21A	2.86	1.96	2.91	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	4.56	790	15.0	1.9	13	1,050	1 x 300	0.5	78	17
EC38A	4.69	3.21	--	-	18.0	2.8	15	2,500	1 x 350	0.7	150	22
EC43A	5.73	3.92	5.48	770	19.6	2.5	13	2,360	2 x 300	1	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	156	28
EC62A	8.35	5.71	8.77	1,820	29.4	3.8	13	2,100	2 x 300	1	156	30
EC64A	8.95	6.13	-	-	27.6	3.6	15	5,300	2 x 350	1.4	300	35
EC70A	9.4	6.43	-	-	33.1	4.3	18	2,900	1 x 400	0.7	150	32
EC82A	11.18	7.65	10.32	1,690	36.8	4.6	15	5,000	2 x 350	1.4	300	39
EC107A	14.21	9.73	14.15	2,500	55.2	7.2	15	4,500	2 x 350	1.4	300	47
EC139A	18.79	12.86	18.56	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	25.01	5,570	99.3	12.8	18	8.700	3 x 400	2	450	85
EC280A	35.58	25.72	31.08	6,250	132.5	17	18	11,600	4 x 400	2.6	600	114
EC300A	40.45	28.7	42.35	10,000	142.53	20.64	46	14,100	2 x 500	2.8	1,420	122
EC320A	45.41	32.03	49.22	13,000	178.16	25.8	48	16,300	2 x 500	2.8	1,420	153
EC380A	52.91	37.75	59.52	15,500	213.79	31	46	16,000	2 x 500	2.8	1,420	189
EC440A	61.97	44.36	64.10	15,500	213.79	31	48	21.300	3 x 500	4.2	2,130	189

6 MM FIN PITCH

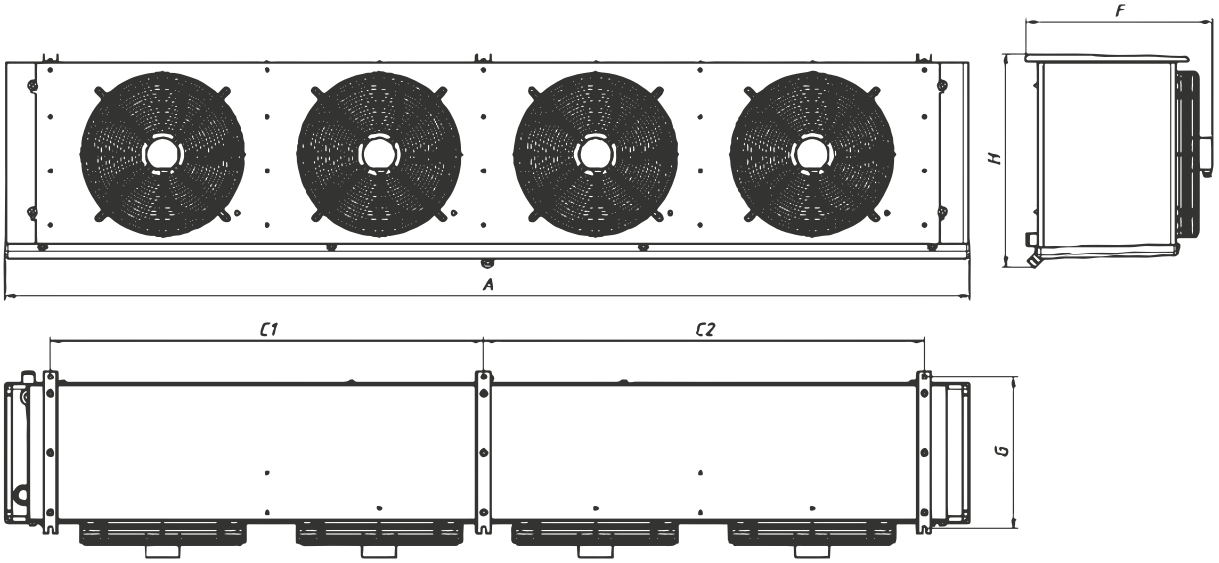
Model	Standard conditions EN328 R404A			Ethylene Glycol 30% PD=50 kPa Ct=0°C $IN_{glycol\ temp.}$=-10°C		Standard conditions EN328 R744 (CO_2)			Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	SC3 TD=7 (kW)	P (kW)	Q (l/h)	SC2 TD=8 (W)	SC3 TD=7 (W)	SC4 TD=6 (W)			Air throw (m)	Airflow m^3/h	No. x Ø	A	W	
EC17B	2.30	1.57	1.26	1.72	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	2.54	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	3.36	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	5.26	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	6.37	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	7.74	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	8.97	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	11.89	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	13.32	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	16.25	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	18.72	4,100	26.63	21.30	17.57	88.3	17.0	19	12,720	4 x 400	2.6	600	102
EC250B	35.60	24.80	18.50	31.44	10,000	42.08	31.33	25.59	97.5	20.6	46	15,100	2 x 500	2.8	1,420	86
EC270B	39.92	27.70	19.77	36.35	13,000	45.71	33.76	27.55	121.3	25.8	48	17,000	2 x 500	2.8	1,420	105
EC318B	45.08	31.89	25.28	41.96	15,500	49.53	37.33	30.69	146.3	31.0	46	16,500	2 x 500	2.8	1420	125
EC370B	53.10	37.00	29.67	45.58	15,500	63.11	47.45	38.78	146.3	31.0	48	22,650	3 x 500	4.2	2,130	125

9 MM FIN PITCH

Model	Standard conditions EN328 R404A			Standard conditions EN328 R744 (CO_2)			Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC2 TD=8 (kW)	SC3 TD=7 (W)	SC4 TD=6 (W)	SC2 TD=8 (W)	SC3 TD=7 (W)	SC4 TD=6 (W)			Air throw (m)	Airflow m^3/h	No. 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	2.0	2.0	1.48	6.1	2.0	17	2,900	1 x 350	0.7	150	17
EC26C	2.42	1.93	1.6	3.0	3.0	2.08	8.2	3.0	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	3.9	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	4.4	3.52	2.9	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	4.3	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	7.6	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	6.3	5.21	10.13	8.1	6.68	24.5	8.0	17	8,250	3 x 350	2.1	450	49
EC98C	-	-	-	10.2	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	9.0	19	6,600	2 x 400	1.4	300	49
EC115C	10.65	8.52	7.04	13.25	10.6	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	10.3	8.51	16.83	13.46	11.1	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
EC208C	20.83	16	12.79	37.91	28.18	22.89	67.5	20.64	46	15,800	2 x 500	2.8	1,420	62
EC232C	23.21	17.14	13.62	40.0	29.52	23.97	84.37	25.8	48	17,200	2 x 500	2.8	1,420	76
EC260C	26.05	20.86	16.35	44.43	33.4	27.25	101.25	31.0	46	17,000	2 x 500	2.8	1420	89
EC306C	30.59	24.93	19.63	56.19	42.12	34.34	101.25	31.0	48	23,550	3 x 500	4.2	2,130	89

NOMENCLATURE (ECC23CET)

EC	C	23	C	E	T
Range	Refrigerant Ø=HFC A2L=A2L CO45 = CO_2 45 Bar CO60 = CO_2 60 Bar W = Glycol	Model	Fin pitch A = 4 mm B = 6 mm C = 9 mm	Defrosting E = electric P = enhanced G = hot gas Ø = no defrosting	Fans Ø = single-phase T = three-phase



EC | COMMON DATA

Model			Defrosting (W)		Connections		Drain (inches)	Dimensions					
			Normal (kW)	Enhanced (kW)	IN	OUT		C1 (mm)	C2 (mm)	G (mm)	F (mm)	H (mm)	A (mm)
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"	1,222	-	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
EC300A	EC250B	EC208C	18.40	25.40	1-3/8"	1-5/8"	3/4"	822	-	423	550	940	2,075
EC320A	EC270B	EC232C	15.40	22.40	1-3/8"	1-5/8"	3/4"	1,222	-	420	550	940	2,675
EC380A	EC318B	EC260C	18.40	25.40	1-3/8"	1-5/8"	3/4"	1,222	-	423	550	940	2,675
EC440A	EC370B	EC306C	18.40	25.40	1-3/8"	1-5/8"	3/4"	822	-	420	550	940	2,675

EDS range

DUAL FLOW EVAPORATORS

Operating range
2.4 - 7.8 kW

- Evaporators specially designed for work spaces
- Version for CO_2 and glycol
- 4- and 6-pole fans with very low air speed, providing a high level of comfort
- Fully detachable for easy cleaning

Features

Coil: Made with a 1/2” tube in a staggered arrangement and with aluminium fins with 4 mm or 6 mm pitches.

Body: Made of ABS, curved for easy cleaning. Fully detachable, leaving the coil exposed, making it easy to clean, even outside the cold room. Stainless steel fasteners and inner drip tray. Turned and angled drain, to save space in the cold room.

Fans: External rotor, single-phase, 220 V 50/60 Hz, 4- and 6-pole, achieving an air speed of 2 m/s, providing low noise levels and a very high level of comfort in work spaces. Connected to a IP54-rated junction box. Protected with a grille in accordance with the 2006/42/EC directive.

Defrosting: Via shielded electrical resistors made of stainless steel and with sealed terminals, connected to a IP54 compliant junction box.

Options

- Blygold-treated coil
- Expansion valve
- Glycol version
- CO_2 version

Technical data

3.5 MM FIN PITCH

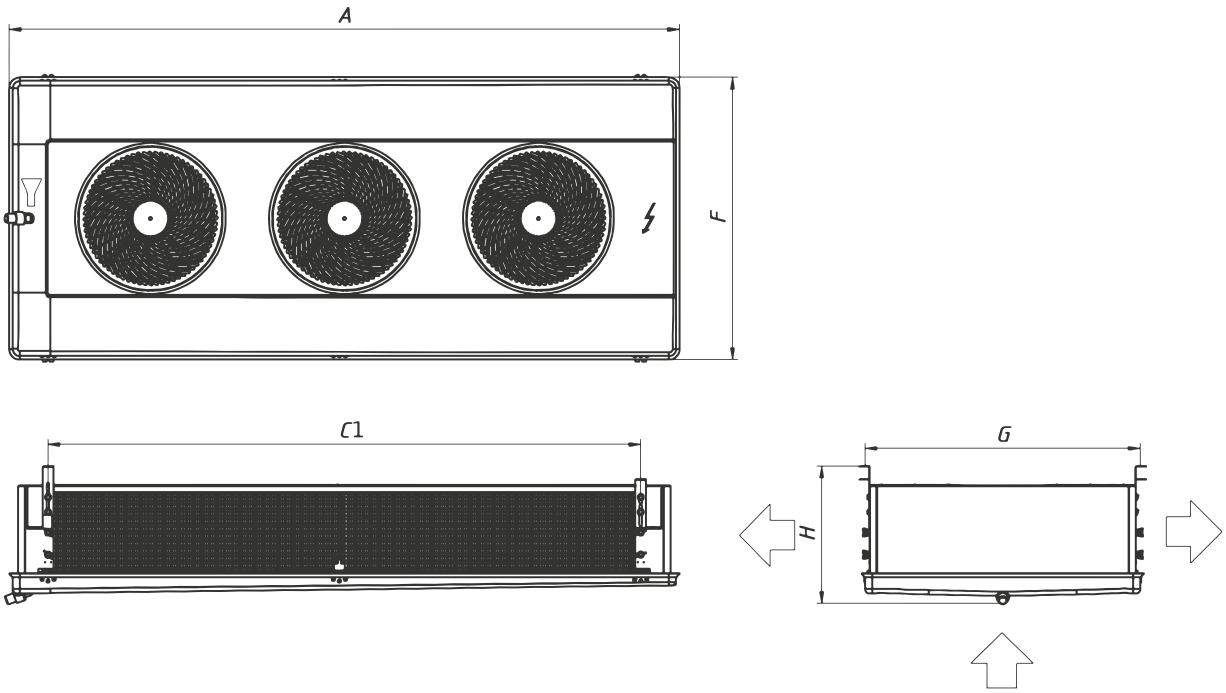
Model	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct=0°C $IN_{glycol\ temp.}$=-10°C		Area (m^2)	Fans						Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	P (kW)	Q (l/h)		Air throw (m)	Airflow m^3/h	No. x Ø	A	W	dB(A) (5 m)	
EDS14A4	3.52	2.41	5.27	830	13.1	10	2,650	1x360	0.8	175	46	22
EDS14A6	2.96	2.03	4.80	830		7	1,750	1x360	0.3	63	36	
EDS16A4	4.87	3.34	5.48	710	19.7	10	2,550	1x360	0.8	175	46	24
EDS16A6	3.81	2.61	5.41	706		7	1,600	1x360	0.3	63	36	
EDS24A4	7.06	4.83	9.63	1,990	26.3	10	5,300	2x360	1.6	350	49	35
EDS24A6	5.93	4.06	8.45	1,990		7	3500	2x360	0.6	126	39	
EDS26A4	9.74	6.66	11.26	1,590	39.4	10	5100	2x360	1.6	350	49	41
EDS26A6	7.62	5.22	10.02	1,580		7	3,200	2x360	0.6	126	39	
EDS34A4	10.58	7.24	13.72	2,920	39.4	10	7,950	3x360	2.4	525	51	51
EDS34A6	8.89	6.09	12.31	2,910		7	5,250	3x360	0.8	189	41	
EDS36A4	14.60	10.00	17.38	3,880	59.1	10	7,650	3x360	2.4	525	51	58
EDS36A6	11.43	7.82	16.67	3,880		7	4,800	3x360	0.8	189	41	

6 MM FIN PITCH

Model	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct=0°C $IN_{glycol\ temp.}$=-10°C		Area (m^2)	Fans						Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	P (kW)	Q (l/h)		Air throw (m)	Airflow m^3/h	No. x Ø	A	W	dB(A) (5 m)	
EDS14B4	3.26	2.23	3.11	720	8.2	11	2,750	1x360	0.8	175	46	20
EDS14B6	2.64	1.81	2.83	720		7	1,800	1x360	0.3	63	36	
EDS16B4	4.23	2.90	3.49	560	12.3	11	2,650	1x360	0.8	175	46	22
EDS16B6	3.57	2.44	3.13	555		7	1,650	1x360	0.3	63	36	
EDS24B4	6.52	4.46	5.57	1,780	16.4	11	5,500	2x360	1.6	350	49	31
EDS24B6	5.29	3.62	5.06	1,780		7	3,600	2x360	0.6	126	39	
EDS26B4	8.46	5.79	6.64	1,320	24.6	11	5,300	2x360	1.6	350	49	36
EDS26B6	7.14	4.89	5.99	1,310		7	3,300	2x360	0.6	126	39	
EDS34B4	9.79	6.70	8.23	2,620	24.6	11	8,250	3x360	2.4	525	51	45
EDS34B6	7.94	5.43	7.47	2,610		7	5,400	3x360	0.8	189	41	
EDS36B4	12.63	8.64	10.56	3,500	36.7	11	7,950	3x360	2.4	525	51	50
EDS36B6	10.66	7.29	9.76	3,500		7	4,950	3x360	0.8	189	41	

NOMENCLATURE (EDSW14A4E)

EDS	W	14	A	4	E
Range	Refrigerant Ø = HFC C = CO_2 W = Glycol	Model	Fin pitch A = 3.5 mm B = 6 mm	No. of poles 4 = 4 poles 6 = 6 poles	Defrosting E = no resistors P = dual resistors Ø = no defrosting



EDS | COMMON DATA

Model	Volume (dm³)	Defrosting		Connections		Drain	Dimensions				
		Normal (W)	Enhanced (W)	IN (inches)	OUT (inches)	(Inches)	A (mm)	C1 (mm)	F (mm)	G (mm)	H (mm)
EDS14	3.0	700		1/2"	5/8"	3/4"	800	580	800	780	398
EDS16	4.4	700	1,400	1/2"	5/8"	3/4"	800	580	800	780	398
EDS24	5.9	2,000		1/2"	7/8"	3/4"	1,350	1,130	800	780	398
EDS26	8.8	2,000	4,000	1/2"	7/8"	3/4"	1,350	1,130	800	780	398
EDS34	8.9	3,000		1/2"	7/8"	3/4"	1,900	1,680	800	780	398
EDS36	13.3	3,000	6,000	1/2"	1-1/8"	3/4"	1,900	1,680	800	780	398

I-CO-15.5-EDS

EPL range

DUAL FLOW EVAPORATORS

Operating range
3 - 79 kW

- Dual discharge, compact and low-profile evaporators
- Version for CO_2 and glycol
- Maintains a high level of humidity
- Three fin pitches that enable a wide operating range

Features

Coil: Made with a 1/2” tube in a staggered arrangement and with aluminium fins with 4 mm, 6 mm and 9 mm pitches.

Fans: External rotor, single-phase, 220 V 50 Hz for 300 mm and 400 mm diameters and three-phase, 400 V 50 Hz for ones with a 500 mm diameter. Two speeds, X and Y, and the option to install 6- or 8-pole motors. Connected to a IP54-rated junction box. Protected with a grille in accordance with the 2006/42/EC directive.

Defrosting: Via shielded electrical resistors made of stainless steel and with sealed terminals, connected to a IP54 compliant junction box.

Body: Made entirely with white lacquered aluminium with oven-polymerised epoxy polyester. Stainless steel fasteners. Threaded and riveted aluminium drain, at an angle that prevents leaks and damage and saves space in the cold room. Drip tray between the coil and body. Hinge opening. Lateral inspection hatches with wing nuts, for maintenance without needing to open up the evaporator.

Options

- Blygold-treated coil
- Expansion valve
- Three-phase motors
- 6-pole motors
- EC electric fans
- Glycol version
- CO_2 version

Technical data

4 MM FIN PITCH

Model	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct=0ºC $IN_{glycol\ temp.}$=-10ºC		Area (m^2)	Fans					Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	P (kW)	Q (l/h)		Air throw (m)	Airflow m^3/h	No. x Ø	A	W	
EPL316AN	4.26	2.92	4.56	790	15.7	14	1,050	1 x 300	0.5	103	18
EPL326AN	8.50	5.83	8.77	1,810	31.4	14	2,100	2 x 300	1.0	206	32
EPL416AN	9.60	6.6	-	-	34.6	18	2,900	1 x 400	0.7	150	31
EPL336AN	12.78	8.75	12.50	2,880	46.1	14	3,150	3 x 300	1.5	309	46
EPL346AN	17.03	11.66	-	-	61.8	14	4,200	4 x 300	2.0	412	59
EPL426AN	19.17	13.12	16.24	2,270	70.1	18	5,800	2 x 400	1.3	300	66
EPL516AN	23.78	16.28	24.84	5,500	86.9	50	7,500	1 x 500	1.4	720	90
EPL436AN	28.75	19.68	25.04	5,600	104.7	18	8,700	3 x 400	2.0	450	99
EPL518AN	28.85	19.75	-	-	115.2	48	7,000	1 x 500	1.4	720	110
EPL446AN	38.33	26.24	29.47	-	139.3	18	11,600	4 x 400	2.6	600	131
EPL526AN	47.55	32.55	43.55	8,800	172.8	50	15,000	2 x 500	2.8	1,440	171
EPL528AN	57.70	39.5	-	-	230.3	48	14,000	2 x 500	2.8	1,440	211
EPL536AN	71.33	48.83	59.66	13,550	259.7	50	22,500	3 x 500	4.2	2,160	257
EPL538AN	86.55	59.24	76.67	18,100	345.5	48	21,000	3 x 500	4.2	2,160	299
EPL546AN	95.11	65.1	-	-	345.5	50	30,000	4 x 500	5.6	2,880	336
EPL548AN	115.40	78.99	-	-	460.7	48	28,000	4 x 500	5.6	2,880	393

6 MM FIN PITCH

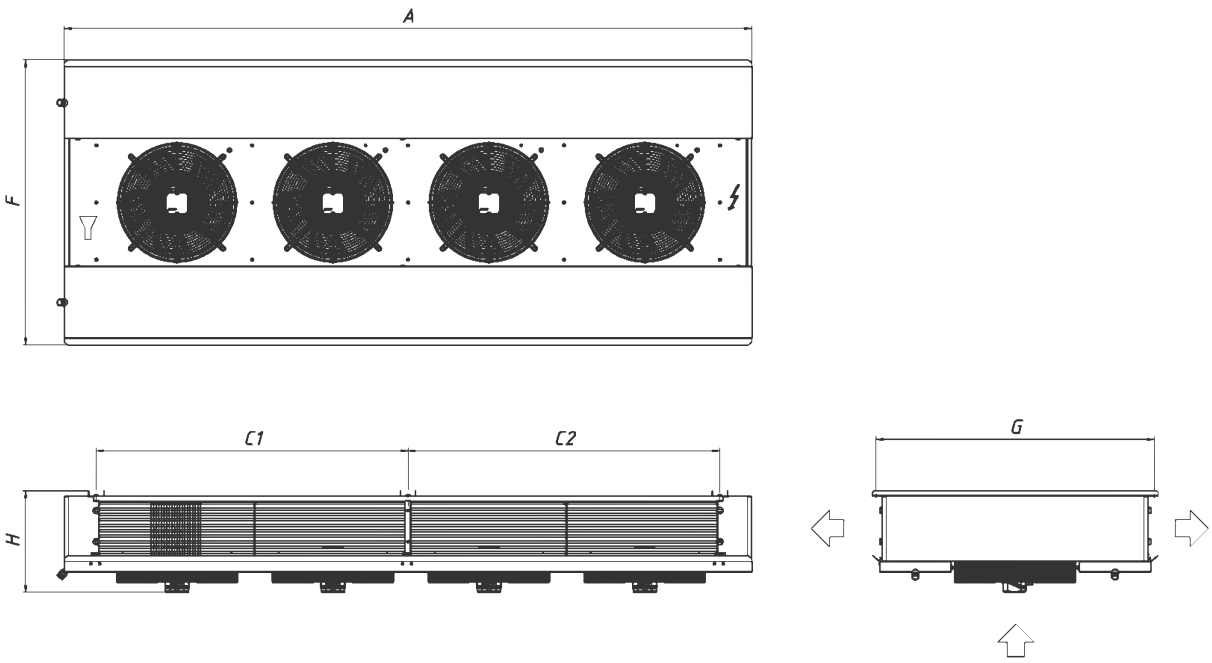
Model	Standard conditions EN328 R404A			Ethylene Glycol 30% PD=50 kPa Ct=0ºC $IN_{glycol\ temp.}$=-10ºC		Standard conditions EN328 R744 (CO_2)			Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	SC3 TD=7 (kW)	P (kW)	Q (l/h)	SC2 TD=8 (W)	SC3 TD=7 (W)	SC4 TD=6 (W)			Air throw (m)	Airflow m^3/h	No. x Ø	A	W	
EPL316BN	3.41	2.34	1.87	2.78	660	1.75	1.40	1.16	10.5	15	1,140	1 x 300	0.5	103	18	13
EPL326BN	6.83	4.67	3.74	5.31	1,620	5.19	4.15	3.42	21.0	15	2,280	2 x 300	1.0	206	31	15
EPL416BN	7.76	5.31	4.25	-	-	6.50	5.20	4.29	24.1	19	3,180	1 x 400	0.7	150	28	16
EPL336BN	10.25	7.02	5.62	7.62	2,570	8.56	6.85	5.65	31.4	15	3,420	3 x 300	1.5	309	44	20
EPL346BN	13.67	9.36	7.49	-	-	11.78	9.42	7.77	41.9	15	5,650	4 x 300	2.0	412	55	23
EPL426BN	15.52	10.62	8.50	10.13	1,875	13.85	11.08	9.14	47.2	19	6,360	2 x 400	1.3	300	61	26
EPL516BN	18.59	12.73	10.18	15.76	3,550	18.31	14.65	12.09	56.6	51	7,900	1 x 500	1.4	720	82	25
EPL518BN	22.55	15.44	12.35	-	-	20.56	16.45	13.57	76.5	49	7,500	1 x 500	1.4	720	99	27
EPL436BN	23.28	15.93	12.75	16.24	5,000	22.00	17.60	14.52	71.3	19	9,540	3 x 400	2.0	450	90	32
EPL446BN	31.04	21.25	16.99	20.99	5,200	27.93	22.34	18.43	95.4	19	12,720	4 x 400	2.6	600	120	36
EPL526BN	37.18	25.45	20.36	26.98	7,850	37.58	30.06	24.80	114.2	51	15,800	2 x 500	2.8	1,440	154	40
EPL528BN	45.11	30.88	24.70	-	-	44.13	35.30	29.12	152.0	49	15,000	2 x 500	2.8	1,440	189	43
EPL536BN	55.77	38.18	30.54	38.21	8,000	56.50	45.20	37.29	170.8	51	23,700	3 x 500	4.2	2,160	232	52
EPL538BN	67.66	46.32	37.05	48.46	15,000	64.69	51.75	42.69	228.5	49	22,500	3 x 500	4.2	2,160	266	63
EPL546BN	74.36	50.9	40.72	-	-	75.31	60.25	49.71	228.5	51	31,600	4 x 500	5.6	2,880	318	75
EPL548BN	90.22	61.76	49.41	56.61	15,500	88.56	70.85	58.45	303.9	49	30,000	4 x 500	5.6	2,880	349	76

9 MM FIN PITCH

Model	Standard conditions EN328 R404A			Standard conditions EN328 R744 (CO_2)			Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC2 TD=8 (kW)	SC3 TD=7 (W)	SC4 TD=6 (W)	SC2 TD=8 (W)	SC3 TD=7 (W)	SC4 TD=6 (W)			Air throw (m)	Airflow m^3/h	No. x Ø	A	W	
EPL316CN	1.94	1.55	1.28	1.31	1.05	0.87	7.2	16	1,230	1 x 300	0.5	103	17	13
EPL326CN	3.89	3.12	2.57	4.06	3.25	2.68	14.5	16	2,460	2 x 300	1.0	206	29	14
EPL416CN	4.38	3.51	2.90	5.13	4.10	3.38	16.6	20	3,300	1 x 400	0.7	150	27	17
EPL336CN	5.84	4.67	3.86	7.06	5.65	4.66	21.7	16	3,690	3 x 300	1.5	309	42	19
EPL346CN	7.78	6.22	5.14	9.81	7.85	6.48	29.0	16	4,920	4 x 300	2.0	412	52	22
EPL426CN	8.76	7.00	5.79	11.63	9.30	7.67	32.1	20	6,600	2 x 400	1.3	300	57	21
EPL516CN	11.17	8.94	7.39	14.94	11.95	9.86	41.4	52	8,200	1 x 500	1.4	720	77	25
EPL436CN	13.14	10.51	8.68	17.00	13.60	11.22	48.6	20	9,900	3 x 400	2.0	450	86	23
EPL518CN	13.56	10.85	8.96	18.56	14.85	12.25	54.9	50	7,700	1 x 500	1.4	720	93	30
EPL446CN	17.50	14.01	11.57	23.25	18.60	15.35	64.2	20	13,200	4 x 400	2.6	600	113	28
EPL526CN	22.35	17.88	14.77	30.93	24.74	20.41	81.8	52	16,400	2 x 500	2.8	1,440	145	33
EPL528CN	27.11	21.69	17.92	37.25	29.80	24.59	109.7	50	15,400	2 x 500	2.8	1,440	177	37
EPL536CN	33.52	26.82	22.15	46.75	37.40	30.86	123.2	52	24,600	3 x 500	4.2	2,160	219	40
EPL538CN	40.67	32.54	26.88	54.13	43.30	35.72	164.6	50	23,100	3 x 500	4.2	2,160	249	49
EPL546CN	44.69	35.76	29.54	62.00	49.60	40.92	164.6	52	32,800	4 x 500	5.6	2,880	286	54
EPL548CN	54.23	43.38	35.84	74.50	59.60	49.17	219.4	50	30,800	4 x 500	5.6	2,880	325	49

NOMENCLATURE (EPLW316ANE)

EPL	W	3	1	6	A	N	E
Range	Refrigerant Ø = HFC CO45 = CO_2 45 Bar CO60 = CO_2 60 Bar W = Glycol	Diameter of fan 3 = Ø300 mm 4 = Ø400 mm 5 = Ø500 mm	No. fans 1 / 2 / 3 / 4	Ranges 6 / 8	Fin pitch A = 4 mm B = 6 mm C = 9 mm	No. of poles N = 4 poles S = 6 poles	Defrosting E = electric P = enhanced Ø = no defrosting



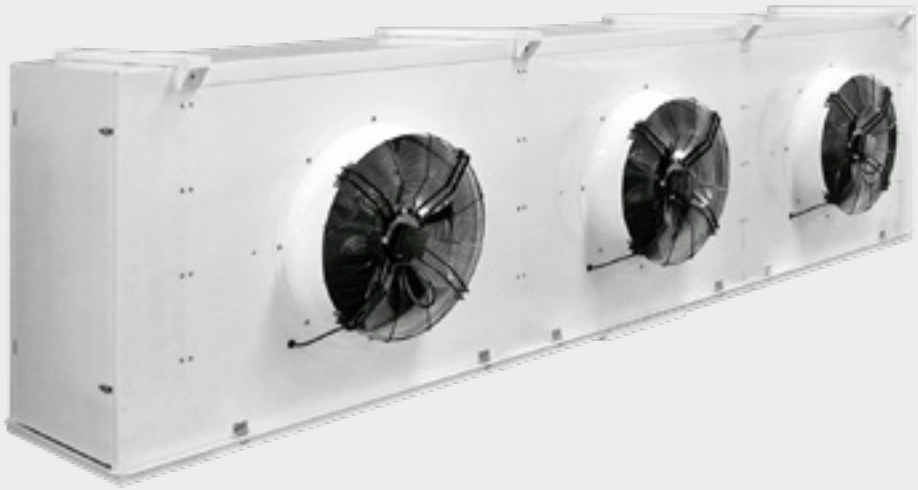
EPL | COMMON DATA

Model	Volume (dm³)	Defrosting (W)		Connections		Drain (inches)	Dimensions					
		Normal (kW)	En-hanced (kW)	IN	OUT		C1 (mm)	C2 (mm)	G (mm)	F (mm)	H (mm)	A (mm)
EPL316	2.6	1.40	2.10	1/2"	1/2"	3/4"	400	-	868	895	315	680
EPL326	4.6	4.50	6.00	1/2"	3/4"	3/4"	800	-	868	895	315	1,080
EPL336	6.6	7.20	9.60	1/2"	3/4"	3/4"	800	400	868	895	315	1,480
EPL346	8.6	9.00	12.00	1/2"	3/4"	3/4"	800	800	868	895	315	1,880
EPL416	5.4	3.60	4.80	1/2"	3/4"	2 x 3/4"	600	-	1,070	1,100	390	875
EPL426	9.9	7.20	9.60	1/2"	3/4"	2 x 3/4"	1,200	-	1,070	1,100	390	1,475
EPL436	14.3	10.80	14.40	7/8"	1-1/8"	2 x 3/4"	1,200	600	1,070	1,100	390	2,075
EPL446	18.8	13.80	18.40	7/8"	1-1/8"	2 x 3/4"	1,200	1,200	1,070	1,100	390	2,675
EPL516	15.1	8.00	10.00	1-3/8"	1-5/8"	2 x 3/4"	1,000	-	1,350	1,360	580	1,300
EPL526	28.8	16.00	20.00	1-3/8"	1-5/8"	2 x 3/4"	1,000	1,000	1,350	1,360	580	2,300
EPL536	43.1	20.00	25.00	1-3/8"	1-5/8"	2 x 3/4"	1000	2x1,000	1,350	1,360	580	3,300
EPL546	57.2	26.64	33.30	1-3/8"	1-5/8"	2 x 3/4"	1,000	3x1,000	1,350	1,360	580	4,300
EPL518	19.7	8.00	10.00	1-3/8"	1-5/8"	2 x 3/4"	1,000	-	1,350	1,360	580	1,300
EPL528	38.3	16.00	20.00	1-3/8"	1-5/8"	2 x 3/4"	1,000	1,000	1,350	1,360	580	2,300
EPL538	57	20.00	25.00	1-3/8"	1-5/8"	2 x 3/4"	1,000	2x1,000	1,350	1,360	580	3,300
EPL548	75.6	26.64	33.30	1-3/8"	1-5/8"	2 x 3/4"	1,000	3x1,000	1,350	1,360	580	4,300

I-CO-19.5-EPL

Range LC

CUBIC EVAPORATORS



Operating range
16 - 138 kW

- Version for CO_2 and glycol
- Suitable for cold rooms with fresh products
- High level of humidity
- Three fin pitches for a wider operating range

Features

Coil: Made with a 1/2” tube in a staggered arrangement and with aluminium fins with 4.5 mm, 7 mm and 10 mm pitches. With a large surface area ratio that allows a high level of humidity to be maintained in the cold room.

Body: Made entirely with white lacquered aluminium with oven-polymerised epoxy polyester. Stainless steel fasteners. Threaded aluminium drain, welded at an angle that prevents leaks and damage and saves space in the cold room. Drip tray between the coil and body. Gap between fans, each fan is directed towards its respective section of the coil, thus avoiding the air bypass effect. The evaporator is supplied upright, packed in a wooden crate that opens at the top to allow the evaporator to be placed freely on the pallet, allowing it to be hoisted up and screwed into the ceiling easily.

Defrosting: Via shielded electrical resistors made of stainless steel and with sealed terminals, connected to a IP54 compliant junction box.

Fans: External rotor, three-phase, 500 mm and 630 mm in diameter. 400 V 50/60 Hz. Connected to a IP54-rated junction box. Protected with a grille in accordance with the 2006/42/EC directive.

Options

- Blygold-treated coil
- Expansion valve
- Electrical resistors in fan
- Hinged fans on 630 mm models
- Designed for fabric ducts
- Single-phase motors
- EC electric fans
- Electric defrost only in inner tray
- Water defrosting
- Insulated outer tray
- Glycol version
- CO_2 version

80 kW evaporator for an ice rink inside a glass igloo in a shopping mall in Tel Aviv (Israel)

Technical data

4.5 MM FIN PITCH

Model	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct=0°C $IN_{glycol\ temp.}$=-10°C		Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	P (kW)	Q (l/h)			Air throw (m)	Airflow m^3/h	No. x Ø	A	W	
LC173A	23.3	16.0	23.6	4,100	80	14.4	48	7,500	1 x 500	1.4	720	85
LC210A	28.2	19.4	32.4	7,250	106.6	18.8	46	7,000	1 x 500	1.4	720	99
LC347A	46.7	31.9	42.6	8,800	159.9	27.5	48	15,000	2 x 500	2.8	1,440	159
LC421A	56.5	38.7	54.8	11,500	213.3	36.6	46	14,000	2 x 500	2.8	1,440	187
LC520A	69.9	47.9	59.9	13,600	239.9	41.2	48	22,500	3 x 500	4.2	2,160	237
LC631A	84.8	58.1	78.8	18,150	319.4	54.4	46	21,000	3 x 500	4.2	2,160	279
LC755A	100.9	69.1	109.2	26,250	418	61.8	47	28,000	2 x 630	6.8	3,940	363
LC976A	133.4	91.3	-	-	470.2	69.5	49	43,500	3 x 630	10.2	5,910	441
LC1131A	153.3	105.0	-	-	626.9	92.7	47	42,000	3 x 630	10.2	5,910	526
LC1478A	202.1	138.3	-	-	835.9	123.6	47	56,000	4 x 630	13.6	7,880	684

7 MM FIN PITCH

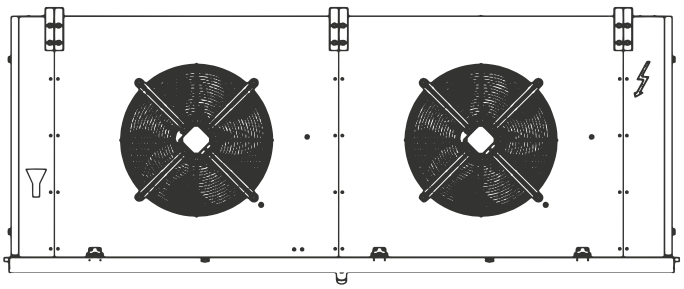
Model	Standard conditions EN328 R404A			Ethylene Glycol 30% PD=50 kPa Ct=0°C $IN_{glycol\ temp.}$=-10°C		Standard conditions EN328 R744 (CO_2)			Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (kW)	SC2 TD=8 (kW)	SC3 TD=7 (kW)	P (kW)	Q (l/h)	SC2 TD=8 (W)	SC3 TD=7 (W)	SC4 TD=6 (W)			Air throw (m)	Airflow m^3/h	No. x Ø	A	W	
LC136B	18.2	12.5	10.0	14.6	3,500	15.9	12.7	10.5	53.0	14.4	49	7,900	1 x 500	1.4	720	78
LC165B	22.1	15.1	12.1	20.3	6,550	18.4	14.7	12.1	70.7	18.8	47	7,500	1 x 500	1.4	720	89
LC271B	36.5	25.0	20.0	26.8	7,800	32.0	25.6	21.1	106.0	27.5	49	15,800	2 x 500	2.8	1,440	143
LC329B	44.2	30.3	24.2	33.3	10,150	38.1	30.5	25.1	141.4	36.6	47	15,000	2 x 500	2.8	1,440	166
LC407B	54.7	37.4	29.9	38.2	12,200	47.5	38.0	31.4	159.1	41.2	49	23,700	3 x 500	4.2	2,160	214
LC494B	66.3	45.4	36.3	48.8	16,200	55.0	44.0	36.3	211.6	54.4	47	22,500	3 x 500	4.2	2,160	248
LC559B	77.9	53.3	42.6	51.2	17,750	62.8	50.2	41.4	207.9	46.3	50	31,000	2 x 630	6.8	3,940	275
LC665B	89.6	61.3	49.0	65.8	23,500	72.9	58.3	48.1	277.1	61.8	48	29,600	2 x 630	6.8	3,940	322
LC841B	116.9	80.1	64.0	63.4	16,000	92.9	74.3	61.3	311.8	69.5	50	46,500	3 x 630	10.2	5,910	395
LC995B	135.3	92.6	74.1	78.8	21,000	107.5	86.0	71.0	415.7	92.7	48	44,400	3 x 630	10.2	5,910	465
LC1113B	154.7	105.9	84.7	-	-	124.0	99.2	81.8	415.7	92.7	50	62,000	4 x 630	13.6	7,880	519
LC1325B	180	123.2	98.6	-	-	-	-	-	554.3	123.6	48	59,200	4 x 630	13.6	7,880	602

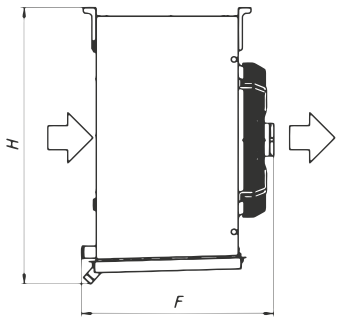
10 MM FIN PITCH

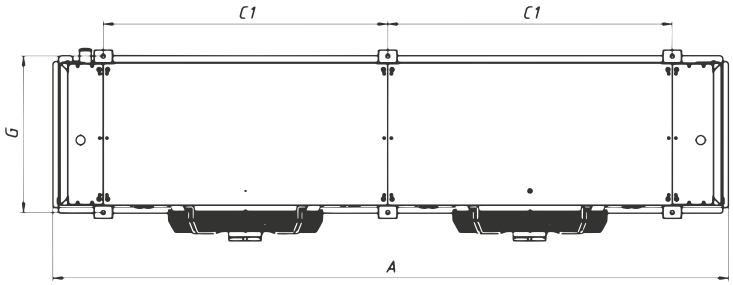
Model	Standard conditions EN328 R404A			Standard conditions EN328 R744 (CO_2)			Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC2 TD=8 (kW)	SC3 TD=7 (W)	SC4 TD=6 (W)	SC2 TD=8 (W)	SC3 TD=7 (W)	SC4 TD=6 (W)			Air throw (m)	Airflow m^3/h	No. x Ø	A	W	
LC119C	11.0	8.8	7.2	14.5	11.6	9.6	38.5	14.4	50	8,200	1 x 500	1.4	720	74
LC144C	13.3	10.6	8.8	17.0	13.6	11.2	51.3	18.8	50	7,700	1 x 500	1.4	720	84
LC238C	21.9	17.5	14.5	29.1	23.3	19.2	76.9	27.5	50	16,400	2 x 500	2.8	1,440	137
LC289C	26.6	21.3	17.6	34.1	27.3	22.5	102.6	36.6	50	15,400	2 x 500	2.8	1,440	158
LC357C	32.9	26.3	21.7	43.1	34.5	28.5	115.4	41.2	50	24,600	3 x 500	4.2	2,160	204
LC433C	39.9	31.9	26.4	50.5	40.4	33.3	153.4	54.4	50	23,100	3 x 500	4.2	2,160	235
LC472C	44.6	35.7	29.5	56.6	45.3	37.4	150.8	46.3	51	31,600	2 x 630	6.8	3,940	262
LC576C	53.9	43.1	35.6	66.9	53.5	44.1	201.1	61.8	50	30,200	2 x 630	6.8	3,940	300
LC745C	68.0	54.4	44.9	83.1	66.5	54.9	226.2	69.5	51	47,400	3 x 630	10.2	5,910	376
LC857C	79.4	63.5	52.5	98.6	78.9	65.1	301.6	92.7	50	45,300	3 x 630	10.2	5,910	505
LC955C	90.0	72.0	59.5	111.4	89.1	73.5	301.6	92.7	51	63,200	4 x 630	13.6	7,880	493
LC1167C	108.1	86.4	71.4	-	-	-	402.2	123.6	50	60,400	4 x 630	13.6	7,880	568

NOMENCLATURE (LCW136BE)

LC	W	136	B	E
Range	Refrigerant Ø = HFC CO45 = CO_2 45 Bar CO60 = CO_2 60 Bar W = Glycol	Model	Fin pitch A = 4.5 mm B = 7 mm C = 10 mm	Defrosting E = electric P = enhanced G = hot gas Ø = no defrosting







LC | COMMON DATA

Model			Defrosting (W)		Connections		Drain (inches)	Dimensions				
			Normal (kW)	En-hanced (kW)	IN	OUT		C1 (mm)	G (mm)	F (mm)	H (mm)	A (mm)
LC173A	LC136B	LC119C	6.0	9.0	7/8"	1-3/8"	1"	990	544	670	962	1,361
LC210A	LC165B	LC144C	8.0	12.0	7/8"	1-3/8"	1"	990	544	670	962	1,361
LC347A	LC271B	LC238C	12.0	18.0	1-3/8"	1-5/8"	1"	990	544	670	962	2,351
LC421A	LC329B	LC289C	16.0	24.0	1-3/8"	1-5/8"	1"	990	544	670	962	2,351
LC520A	LC407B	LC357C	15.0	22.5	1-3/8"	1-5/8"	1-1/2"	990	544	670	966	3,334
LC631A	LC494B	LC433C	20.0	30.0	1-3/8"	2-1/8"	1-1/2"	990	544	670	966	3,334
	LC559B	LC472C	20.3	27.1	1-3/8"	2-1/8"	1-1/2"	1,400	743	950	1,331	3,294
LC755A	LC665B	LC576C	27.1	40.7	2x1-3/8"	2-5/8"	1-1/2"	1,400	743	950	1,331	3,294
LC976A	LC841B	LC745C	31.5	42.0	2x1-3/8"	2-5/8"	1-1/2"	1,400	743	950	1,331	4,694
LC1131A	LC995B	LC857C	42.0	63.0	2x1-3/8"	2-5/8"	1-1/2"	1,400	743	950	1,331	4,694
	LC1113B	LC955C	41.3	55.1	2x1-3/8"	2-5/8"	1-1/2"	1,400	743	950	1,331	6,094
LC1478A	LC1325B	LC1167C	55.2	82.8	2x1-3/8"	2-5/8"	1-1/2"	1,400	743	950	1,331	6,094

I-CO-12.6-LC

Range DUAL

DUAL FLOW EVAPORATORS FOR HFC / AIR COOLERS

HFC
GLYCOL

Operating range
25-300 Kw

- Sturdy construction
- Highly versatile
- Multiple solutions
- Wide range of models

Features

Coil: Made with a copper tube in a staggered arrangement and with corrugated aluminium fins with 4.5 mm, 7 mm and 10 mm pitches. It has a large secondary to primary surface area ratio, allowing a high level of humidity to be maintained in the cold room.

Body: Made entirely with white lacquered aluminium with oven-polymerised epoxy polyester. Stainless steel fasteners. Side inspection hatches and drip tray with a hinge opening. Threaded aluminium drain, welded at an angle that prevents leaks and damage and saves space in the cold room. Inner drip tray between the coil and outer tray. Alternatively, it can be supplied with a body made entirely of stainless steel.

Defrosting: Multiple options: Standard electric defrosting / Enhanced electric defrosting / Electrical resistors only in tray / Hot gas defrost / Hot glycol defrost via a separate circuit / Water defrost.

Fans: External rotor (4- and 6-pole), three-phase, 400 V 50/60 Hz, 450 mm, 500 mm, 630 mm and 800 mm diameters, connected to a IP54-rated junction box. Hinged for ease of maintenance and cleaning inside the coil.

Options

- Blygold-treated coil
- Electrical resistors in the fan opening
- EC fans
- Special voltage fans
- Insulated outer tray
- Glycol version
- Enclosure made entirely of stainless steel
- Option to double the secondary surface area, to achieve a high level of humidity

NOMENCLATURE (DUAL TB45062AUFTEX)

DUAL	TB	450	6	2	A	I	F	T	E	X	K	A
Range	Geometry	Fan diameter	Coil type	No. of fans	Fin pitch A = 4.5 mm B = 7 mm C = 10 mm	Tube type U = copper	Refrigerant F = HFC W = Glycol	Fan type T = three-phase 400 V/50 Hz C = EC three-phase 400 V/50 Hz M = single-phase	Defrosting O = no defrosting E = electric P = enhanced S = res. only in tray G = hot gas I = imbricated circuit	Body O = painted aluminium X = stainless steel	Tray type O = normal A = insulated	Res. on fan ring O = no resistors R = with resistors

The evaporator is supplied sealed and charged with inert gas to ensure internal cleanliness and avoid leaks.
The evaporator is supplied packed on a wooden crate and positioned for mounting, making it easier to hoist up and install.

Technical data

4.5 MM FIN PITCH

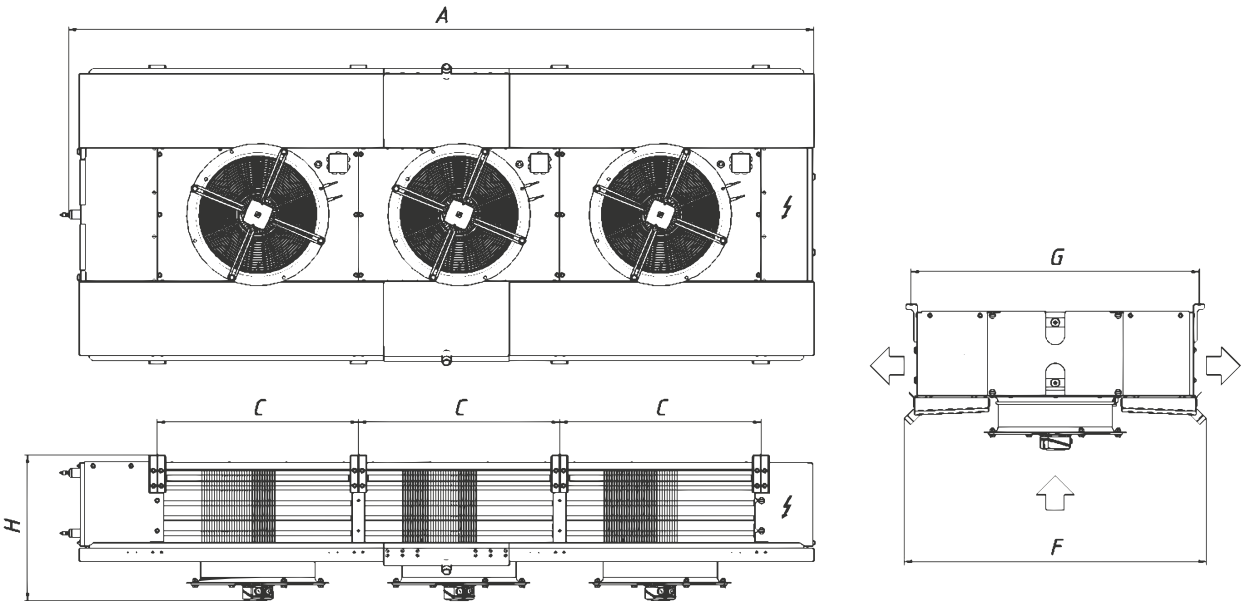
Model	Standard conditions EN328 R404A		Ethylene Glycol 30% PD = 50 kPa Ct = 0ºC $IN_{glycol\ temp.}$ =-10ºC		Area (m^2)	No. x Ø	Fans		
	SC1 (kW)	SC2 (kW)	P (kW)	Q (l/h)			Airflow m^3/h	A	W
DUAL-TB45062AU	26.2	17.9	27.5	10,500	73	2xØ450	10,500	4.2	960
DUAL-TB45082AU	30.8	21.1	32.8	8,900	97	2xØ450	10,000	4.2	960
DUAL-TB45102AU	32.1	22.0	37.3	7,800	121	2xØ450	9,250	4.2	960
DUAL-TB45122AU	35.1	24.0	46.1	21,000	146	2xØ450	8,500	4.2	960
DUAL-TB45063AU	37.6	25.8	39.7	8,600	109	3xØ450	15,750	6.3	1,440
DUAL-TB45083AU	47.2	32.3	49.8	21,000	145	3xØ450	15,000	6.3	1,440
DUAL-TB45103AU	50.1	34.3	43.2	6,400	182	3xØ450	13,500	6.3	1,440
DUAL-TB45123AU	51.9	35.5	60.0	17,000	218	3xØ450	12,750	6.3	1,440
DUAL-TB50062AU	38.5	26.4	36.0	11,000	109	2xØ500	15,500	2.82	1,440
DUAL-TB50082AU	43.2	29.6	42.6	9,600	145	2xØ500	14,500	2.82	1,440
DUAL-TB50102AU	50.2	34.4	47.5	8,500	182	2xØ500	13,500	2.82	1,440
DUAL-TB50122AU	53.4	36.6	64.8	22,500	218	2xØ500	13,000	2.82	1,440
DUAL-TB50063AU	58.5	40.0	46.1	9,200	164	3xØ500	23,250	4.23	2,160
DUAL-TB50083AU	68.8	47.1	68.8	23,000	218	3xØ500	21,500	4.23	2,160
DUAL-TB50103AU	73.1	50.1	57.7	7,000	273	3xØ500	20,250	4.23	2,160
DUAL-TB50123AU	79.9	54.8	83.7	18,500	328	3xØ500	19,500	4.23	2,160
DUAL-TB63062AU	77.3	53.0	61.3	12,300	218	2xØ630	30,500	6.8	3,940
DUAL-TB63082AU	93.2	63.8	90.6	31,000	292	2xØ630	29,500	6.8	3,940
DUAL-TB63102AU	100.5	68.8	77.7	9,200	364	2xØ630	28,500	6.8	3,940
DUAL-TB63122AU	110.7	75.8	114.1	24,500	437	2xØ630	27,500	6.8	3,940
DUAL-TB63083AU	140.2	96.0	108.4	25,000	437	3xØ630	44,250	10.2	5,910
DUAL-TB63103AU	127.8	87.5	90.7	7,500	546	3xØ630	42,750	10.2	5,910
DUAL-TB63123AU	165.4	113.3	131.2	19,800	655	3xØ630	41,250	10.2	5,910
DUAL-TB80082AU	134.9	92.4	135.3	45,000	437	2xØ800	41,500	7.6	4,120
DUAL-TB80102AU	139.8	95.7	113.6	14,000	546	2xØ800	37,500	7.6	4,120
DUAL-TB80122AU	145.3	99.5	163.9	36,500	655	2xØ800	37,000	7.6	4,120
DUAL-TB80083AU	198.3	135.8	157.4	37,000	655	3xØ800	60,000	11.4	6,180
DUAL-TB80103AU	184.3	126.2	132.3	11,000	819	3xØ800	58,500	11.4	6,180
DUAL-TB80123AU	231.1	158.3	191.2	29,800	983	3xØ800	55,500	11.4	6,180
DUAL-TB80124AU	292.4	200.3	219.3	25,500	1,310	4xØ800	74,000	15.2	8,240

7 MM FIN PITCH

Model	Standard conditions EN328 R404A		Ethylene Glycol 30% PD = 50 kPa Ct = 0°C $IN_{glycol\ temp.}$=-10°C		Area (m^2)	No. x Ø	Fans		
	SC2 (kW)	SC3 (kW)	P (kW)	Q (l/h)			Airflow m^3/h	A	W
DUAL-TB45062BU	14.9	11.9	18.7	10,500	49	2xØ450	11,500	4.2	960
DUAL-TB45082BU	18.0	14.4	20.8	8,900	65	2xØ450	10,750	4.2	960
DUAL-TB45102BU	20.0	16.0	23.6	7,800	81	2xØ450	10,000	4.2	960
DUAL-TB45122BU	21.7	17.4	31.5	21,000	97	2xØ450	9,250	4.2	960
DUAL-TB45063BU	22.2	17.7	22.1	8,600	73	3xØ450	17,250	6.3	1,440
DUAL-TB45083BU	26.8	21.4	33.6	21,000	97	3xØ450	16,000	6.3	1,440
DUAL-TB45103BU	31.0	24.8	29.0	6,400	121	3xØ450	15,000	6.3	1,440
DUAL-TB45123BU	33.0	26.4	40.1	17,000	146	3xØ450	14,000	6.3	1,440
DUAL-TB50062BU	21.8	17.5	23.0	11,000	73	2xØ500	16,000	2.82	1,440
DUAL-TB50082BU	25.9	20.7	27.5	9,600	97	2xØ500	15,000	2.82	1,440
DUAL-TB50102BU	30.2	24.1	31.2	8,500	121	2xØ500	14,500	2.82	1,440
DUAL-TB50122BU	32.5	26.0	42.0	22,500	146	2xØ500	13,500	2.82	1,440
DUAL-TB50063BU	32.3	25.8	29.6	9,200	109	3xØ500	24,000	4.23	2,160
DUAL-TB50083BU	39.2	31.4	45.2	23,000	146	3xØ500	22,500	4.23	2,160
DUAL-TB50103BU	44.8	35.8	38.6	7,000	182	3xØ500	21,500	4.23	2,160
DUAL-TB50123BU	48.4	38.7	55.9	18,500	219	3xØ500	20,750	4.23	2,160
DUAL-TB63062BU	42.8	34.2	39.3	12,300	146	2xØ630	31,500	6.8	3,940
DUAL-TB63082BU	53.0	42.4	60.1	31,000	194	2xØ630	30,750	6.8	3,940
DUAL-TB63102BU	60.9	48.8	51.6	9,200	243	2xØ630	29,750	6.8	3,940
DUAL-TB63122BU	66.7	53.3	73.5	24,500	291	2xØ630	29,000	6.8	3,940
DUAL-TB63083BU	78.2	62.6	70.6	25,000	291	3xØ630	46,000	10.2	5,910
DUAL-TB63103BU	80.7	64.6	60.7	7,500	364	3xØ630	44,500	10.2	5,910
DUAL-TB63123BU	101.9	81.5	87.2	19,800	437	3xØ630	43,500	10.2	5,910
DUAL-TB80082BU	77.6	62.1	89.4	45,000	291	2xØ800	42,750	7.6	4,120
DUAL-TB80102BU	87.9	70.3	76.7	14,000	364	2xØ800	41,500	7.6	4,120
DUAL-TB80122BU	93.4	74.7	109.3	36,500	437	2xØ800	39,500	7.6	4,120
DUAL-TB80083BU	111.0	88.8	103.2	37,000	437	3xØ800	63,750	11.4	6,180
DUAL-TB80103BU	119.7	95.8	88.9	11,000	546	3xØ800	62,000	11.4	6,180
DUAL-TB80123BU	136.7	109.4	129.1	29,800	656	3xØ800	59,000	11.4	6,180
DUAL-TB80124BU	185.0	148.0	147.8	25,500	874	4xØ800	79,000	15.2	8,240

10 MM FIN PITCH

Model	Standard conditions EN328 R404A		Area (m^2)	No. x Ø	Fans		
	SC2 (kW)	SC4 (kW)			Airflow m^3/h	A	W
DUAL-TB45062CU	12.5	8.3	35	2xØ450	12,000	4.2	960
DUAL-TB45082CU	15.8	10.4	47	2xØ450	11,500	4.2	960
DUAL-TB45102CU	18.0	11.8	59	2xØ450	11,000	4.2	960
DUAL-TB45122CU	19.6	12.9	71	2xØ450	10,400	4.2	960
DUAL-TB45063CU	19.2	12.7	53	3xØ450	18,250	6.3	1440
DUAL-TB45083CU	23.2	15.3	71	3xØ450	17,250	6.3	1,440
DUAL-TB45103CU	27.1	17.9	89	3xØ450	16,250	6.3	1,440
DUAL-TB45123CU	30.6	20.2	106	3xØ450	15,500	6.3	1,440
DUAL-TB50062CU	18.4	12.2	53	2xØ500	16,250	2.82	1440
DUAL-TB50082CU	22.3	14.7	71	2xØ500	15,750	2.82	1,440
DUAL-TB50102CU	25.8	17.0	89	2xØ500	15,250	2.82	1,440
DUAL-TB50122CU	29.7	19.6	106	2xØ500	14,750	2.82	1,440
DUAL-TB50063CU	26.9	17.8	80	3xØ500	24,750	4.23	2,160
DUAL-TB50083CU	34.1	22.5	106	3xØ500	23,750	4.23	2,160
DUAL-TB50103CU	40.3	26.6	133	3xØ500	23,000	4.23	2,160
DUAL-TB50123CU	43.8	28.9	160	3xØ500	22,250	4.23	2,160
DUAL-TB63062CU	35.6	23.5	106	2xØ630	32,500	6.8	3,940
DUAL-TB63082CU	45.3	29.9	141	2xØ630	31,500	6.8	3,940
DUAL-TB63102CU	53.7	35.5	177	2xØ630	30,750	6.8	3,940
DUAL-TB63122CU	55.4	36.6	213	2xØ630	30,000	6.8	3,940
DUAL-TB63083CU	66.2	43.7	213	3xØ630	47,500	10.2	5,910
DUAL-TB63103CU	74.0	48.8	266	3xØ630	46,500	10.2	5,910
DUAL-TB63123CU	90.9	60.0	319	3xØ630	45,250	10.2	5,910
DUAL-TB80082CU	66.0	43.6	213	2xØ800	44,500	7.6	4,120
DUAL-TB80102CU	78.1	51.5	266	2xØ800	43,250	7.6	4,120
DUAL-TB80122CU	79.8	52.7	319	2xØ800	42,000	7.6	4,120
DUAL-TB80083CU	95.3	62.9	319	3xØ800	66,500	11.4	6,180
DUAL-TB80103CU	107.7	71.0	399	3xØ800	65,000	11.4	6,180
DUAL-TB80123CU	131.2	86.6	479	3xØ800	63,500	11.4	6,180
DUAL-TB80124CU	170.8	112.8	639	4xØ800	84,000	15.2	8,240



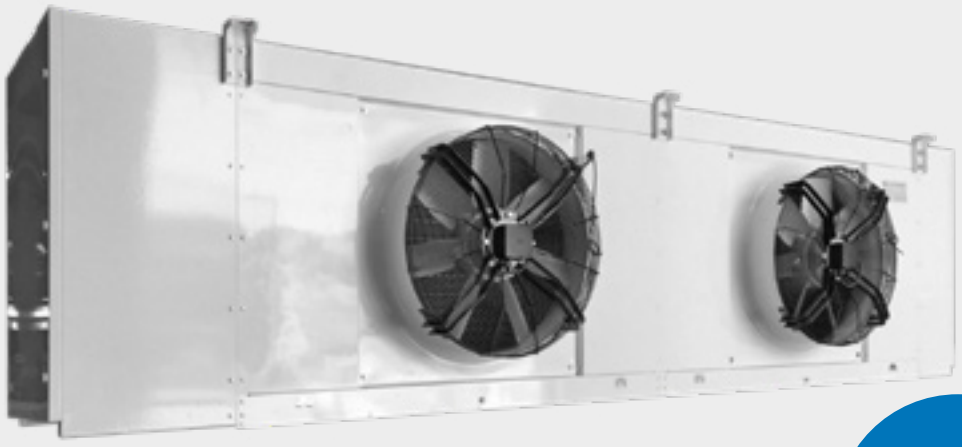
DUAL | COMMON DATA

Model	Volume (dm^3)	Defrosting		Dimensions				
		Normal (kW)	Enhanced (kW)	C (mm)	G (mm)	F (mm)	H (mm)	A (mm)
DUAL-TB45062	18	9,600	14,400	1,600	1,270	1,450	590	2,237
DUAL-TB45082	24	12,800	19,200	1,600	1,270	1,450	590	2,237
DUAL-TB45102	30	16,000	24,000	1,600	1,270	1,450	590	2,237
DUAL-TB45122	36	19,200	28,800	1,600	1,270	1,450	590	2,237
DUAL-TB45063	27	13,800	20,700	1,600	1,270	1,450	590	3,037
DUAL-TB45083	36	18,400	27,600	1,600	1,270	1,450	590	3,037
DUAL-TB45103	45	23,000	34,500	1,600	1,270	1,600	590	3,037
DUAL-TB45123	54	27,600	41,400	1,600	1,270	1,600	590	3,037
DUAL-TB50062	27	18,000	27,000	2,000	1,330	1,600	780	2,637
DUAL-TB50082	36	20,000	30,000	2,000	1,330	1,600	780	2,637
DUAL-TB50102	45	24,000	36,000	2,000	1,330	1,600	780	2,637
DUAL-TB50122	54	28,000	42,000	2,000	1,330	1,600	780	2,637
DUAL-TB50063	41	24,000	36,000	1,000	1,330	1,950	780	3,637
DUAL-TB50083	54	30,000	45,000	1,000	1,330	1,950	780	3,637
DUAL-TB50103	68	36,000	54,000	1,000	1,330	1,950	780	3,637
DUAL-TB50123	82	42,000	63,000	1,000	1,330	1,950	780	3,637
DUAL-TB63062	54	24,000	36,000	3,000	1,330	1,950	780	3,751
DUAL-TB63082	73	30,000	45,000	3,000	1,330	1,950	780	3,751
DUAL-TB63102	91	36,000	54,000	3,000	1,330	1,950	780	3,751
DUAL-TB63122	109	42,000	63,000	3,000	1,330	1,950	780	3,751
DUAL-TB63083	109	36,000	54,000	1,500	1,330	1,950	780	5,250
DUAL-TB63103	136	45,000	67,500	1,500	1,330	1,950	780	5,250
DUAL-TB63123	163	54,000	81,000	1,500	1,330	1,950	780	5,250
DUAL-TB80082	109	36,000	54,000	1,500	1,570	1,950	1,582	3,751
DUAL-TB80102	136	42,000	63,000	1500	1,570	1,950	1,582	3,751
DUAL-TB80122	163	48,000	72,000	1,500	1,570	1,950	1,582	3,751
DUAL-TB80083	163	45,000	67,500	1,500	1,570	1,950	1,582	5,250
DUAL-TB80103	204	54,000	81,000	1,500	1,570	1,950	1,582	5,250
DUAL-TB80123	245	63,000	94,500	1,500	1,570	1,950	1,582	5,250
DUAL-TB80124	327	66,000	99,000	1,500	1,570	1,950	1,582	6,750

I-CO-37.1

Range CUBE

DIRECT EXPANSION CUBIC EVAPORATORS / AIR HEATERS



HFC GLYCOL

Operating range
25-300 Kw

- Sturdy construction
- Highly versatile
- Multiple solutions
- Wide range of models

Features

Coil: Made with a copper tube in a staggered arrangement and with corrugated aluminium fins with 4.5 mm, 7 mm and 10 mm pitches. It has a large secondary to primary surface area ratio, allowing a high level of humidity to be maintained in the cold room.

Body: Made entirely with white lacquered aluminium with oven-polymerised epoxy polyester. Stainless steel fasteners. Side inspection hatches and drip tray with a hinge opening. Threaded aluminium drain, welded at an angle that prevents leaks and damage and saves space in the cold room. Inner drip tray between the coil and outer tray. Alternatively, it can be supplied with a body made entirely of stainless steel.

Defrosting: Multiple options: Standard electric defrosting / Enhanced electric defrosting / Electrical resistors only in tray / Hot gas defrost / Hot glycol defrost via a separate circuit / Water defrost.

Fans: External rotor, three-phase 400 V 50/60 Hz, 450 mm, 500 mm, 630 mm and 800 mm diameters, connected to a IP54-rated junction box. Hinged for ease of maintenance and cleaning inside the coil.

Options

- Blygold-treated coil
- Electrical resistors in the fan opening
- Designed for fabric ducts
- EC fans
- Special voltage fans
- Insulated outer tray
- Glycol version
- Enclosure made entirely of stainless steel
- Option to double the secondary surface area, to achieve a high level of humidity

NOMENCLATURE (CUBE TB5083AIFTEXKAR)														
DUAL	TB	50	8	3	A	I	F	T	E	X	K	A	R
Range	Geometry TB = staggered (60x30) CD = square (60x60)	Motor diameter 35 = Ø350 mm 45 = Ø450 mm 50 = Ø500 mm 63 = Ø630 mm 80 = Ø800 mm	Coil type 4 = 4 ranges 4I = 4 ranges+2 imbricated circ. 6 = 6 ranges 8 = 8 ranges 12 = 12 ranges	No. fans 1 to 4	Fin pitch A = 4.5 mm B = 7 mm C= 10 mm D= 12 mm	Tube type U = copper I = stainless st.	Refrigerant F = freon (direct exp.) H = NH3 (flooded) N = NH3 (direct exp.) W = glycol Z = CO2 (direct exp.)	Motor type T = 3-phase, 400 V 50 Hz C = EC 3-phase, 400 V 50 Hz M = single-phase	Defrosting Ø = no defrosting. E = electric P = enhanced S = electric res. only in tray G = hot gas **O = water** **I = stainless st. imbricated circuit**	**Body** Ø = painted aluminium X = stainless st.	**Coil treatment** Ø = untreated K = Blygold	**Tray type** Ø = normal A = insulated	**Motor resist.** Ø = no resistor R = resistor in motor ring

Technical data

4.5 MM FIN PITCH

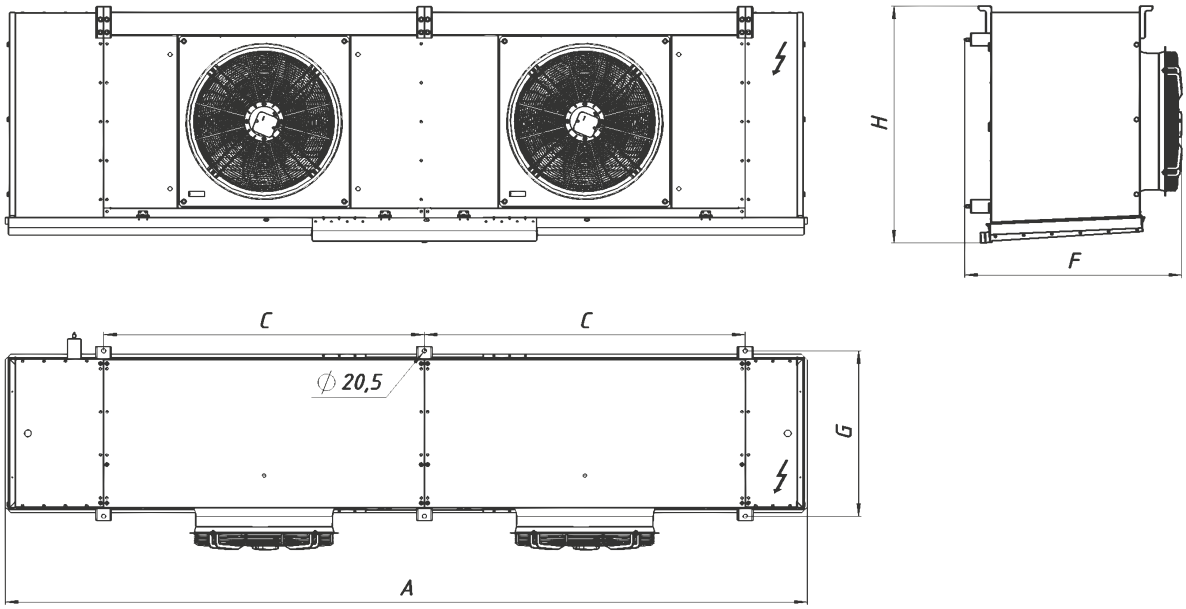
Model	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct = 0ºC IN$_{glycol\ temp}$ = -10ºC		Area (m²)	No. x Ø	Fans		
	SC1 (kW)	SC2 (kW)	P (kW)	Q (l/h)			Airflow m³/h	A	W
CUBE-TB45062AU	26.2	17.9	27.5	10,500	73	2xØ450	10,500	4.2	960
CUBE-TB45082AU	30.8	21.1	32.8	8,900	97	2xØ450	10,000	4.2	960
CUBE-TB45102AU	32.1	22.0	37.3	7,800	121	2xØ450	9,250	4.2	960
CUBE-TB45122AU	35.1	24.0	46.1	21,000	146	2xØ450	8,500	4.2	960
CUBE-TB45063AU	37.6	25.8	39.7	8,600	109	3xØ450	15,750	6.3	1,440
CUBE-TB45083AU	47.2	32.3	49.8	21,000	145	3xØ450	15,000	6.3	1,440
CUBE-TB45103AU	50.1	34.3	43.2	6,400	182	3xØ450	13,500	6.3	1,440
CUBE-TB45123AU	51.9	35.5	60.0	17,000	218	3xØ450	12,750	6.3	1,440
CUBE-TB50062AU	38.5	26.4	36.0	11,000	109	2xØ500	15,500	2.82	1,440
CUBE-TB50082AU	43.2	29.6	42.6	9,600	145	2xØ500	14,500	2.82	1,440
CUBE-TB50102AU	50.2	34.4	47.5	8,500	182	2xØ500	13,500	2.82	1,440
CUBE-TB50122AU	53.4	36.6	64.8	22,500	218	2xØ500	13,000	2.82	1,440
CUBE-TB50063AU	58.5	40.0	46.1	9,200	164	3xØ500	23,250	4.23	2.160
CUBE-TB50083AU	68.8	47.1	68.8	23,000	218	3xØ500	21,500	4.23	2,160
CUBE-TB50103AU	73.1	50.1	57.7	7,000	273	3xØ500	20,250	4.23	2,160
CUBE-TB50123AU	79.9	54.8	83.7	18,500	328	3xØ500	19,500	4.23	2,160
CUBE-TB63062AU	77.3	53.0	61.3	12,300	218	2xØ630	30,500	6.8	3,940
CUBE-TB63082AU	93.2	63.8	90.6	31,000	292	2xØ630	29,500	6.8	3,940
CUBE-TB63102AU	100.5	68.8	77.7	9,200	364	2xØ630	28,500	6.8	3,940
CUBE-TB63122AU	110.7	75.8	114.1	24,500	437	2xØ630	27,500	6.8	3,940
CUBE-TB63083AU	140.2	96.0	108.4	25.000	437	3xØ630	44,250	10.2	5,910
CUBE-TB63103AU	127.8	87.5	90.7	7,500	546	3xØ630	42,750	10.2	5,910
CUBE-TB63123AU	165.4	113.3	131.2	19,800	655	3xØ630	41,250	10.2	5,910
CUBE-TB80082AU	134.9	92.4	135.3	45,000	437	2xØ800	41,500	7.6	4,120
CUBE-TB80102AU	139.8	95.7	113.6	14,000	546	2xØ800	37,500	7.6	4,120
CUBE-TB80122AU	145.3	99.5	163.9	36,500	655	2xØ800	37,000	7.6	4,120
CUBE-TB80083AU	198.3	135.8	157.4	37,000	655	3xØ800	60,000	11.4	6,180
CUBE-TB80103AU	184.3	126.2	132.3	11,000	819	3xØ800	58,500	11.4	6,180
CUBE-TB80123AU	231.1	158.3	191.2	29,800	983	3xØ800	55,500	11.4	6,180
CUBE-TB80124AU	292.4	200.3	219.3	25,500	1,310	4xØ800	74,000	15.2	8,240

7 MM FIN PITCH

Model	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct = 0°C $IN_{glycol\ temp}$ = -10°C		Area (m^2)	No. x Ø	Fans		
	SC2 (kW)	SC3 (kW)	P (kW)	Q (l/h)			Airflow m^3/h	A	W
CUBE-TB45062BU	14.9	11.9	18.7	10,500	49	2xØ450	11,500	4.2	960
CUBE-TB45082BU	18.0	14.4	20.8	8,900	65	2xØ450	10,750	4.2	960
CUBE-TB45102BU	20.0	16.0	23.6	7,800	81	2xØ450	10,000	4.2	960
CUBE-TB45122BU	21.7	17.4	31.5	21,000	97	2xØ450	9,250	4.2	960
CUBE-TB45063BU	22.2	17.7	22.1	8,600	73	3xØ450	17,250	6.3	1,440
CUBE-TB45083BU	26.8	21.4	33.6	21,000	97	3xØ450	16,000	6.3	1,440
CUBE-TB45103BU	31.0	24.8	29.0	6,400	121	3xØ450	15,000	6.3	1,440
CUBE-TB45123BU	33.0	26.4	40.1	17,000	146	3xØ450	14,000	6.3	1,440
CUBE-TB50062BU	21.8	17.5	23.0	11,000	73	2xØ500	16,000	2.82	1,440
CUBE-TB50082BU	25.9	20.7	27.5	9,600	97	2xØ500	15,000	2.82	1,440
CUBE-TB50102BU	30.2	24.1	31.2	8,500	121	2xØ500	14,500	2.82	1,440
CUBE-TB50122BU	32.5	26.0	42.0	22,500	146	2xØ500	13,500	2.82	1,440
CUBE-TB50063BU	32.3	25.8	29.6	9,200	109	3xØ500	24,000	4.23	2,160
CUBE-TB50083BU	39.2	31.4	45.2	23,000	146	3xØ500	22,500	4.23	2,160
CUBE-TB50103BU	44.8	35.8	38.6	7,000	182	3xØ500	21,500	4.23	2,160
CUBE-TB50123BU	48.4	38.7	55.9	18,500	219	3xØ500	20,750	4.23	2,160
CUBE-TB63062BU	42.8	34.2	39.3	12,300	146	2xØ630	31,500	6.8	3,940
CUBE-TB63082BU	53.0	42.4	60.1	31,000	194	2xØ630	30,750	6.8	3,940
CUBE-TB63102BU	60.9	48.8	51.6	9,200	243	2xØ630	29,750	6.8	3,940
CUBE-TB63122BU	66.7	53.3	73.5	24,500	291	2xØ630	29,000	6.8	3,940
CUBE-TB63083BU	78.2	62.6	70.6	25,000	291	3xØ630	46,000	10.2	5,910
CUBE-TB63103BU	80.7	64.6	60.7	7,500	364	3xØ630	44,500	10.2	5,910
CUBE-TB63123BU	101.9	81.5	87.2	19,800	437	3xØ630	43,500	10.2	5,910
CUBE-TB80082BU	77.6	62.1	89.4	45,000	291	2xØ800	42,750	7.6	4,120
CUBE-TB80102BU	87.9	70.3	76.7	14,000	364	2xØ800	41,500	7.6	4,120
CUBE-TB80122BU	93.4	74.7	109.3	36,500	437	2xØ800	39,500	7.6	4,120
CUBE-TB80083BU	111.0	88.8	103.2	37,000	437	3xØ800	63,750	11.4	6,180
CUBE-TB80103BU	119.7	95.8	88.9	11,000	546	3xØ800	62,000	11.4	6,180
CUBE-TB80123BU	136.7	109.4	129.1	29,800	656	3xØ800	59,000	11.4	6,180
CUBE-TB80124BU	185.0	148.0	147.8	25,500	874	4xØ800	79,000	15.2	8,240

10 MM FIN PITCH

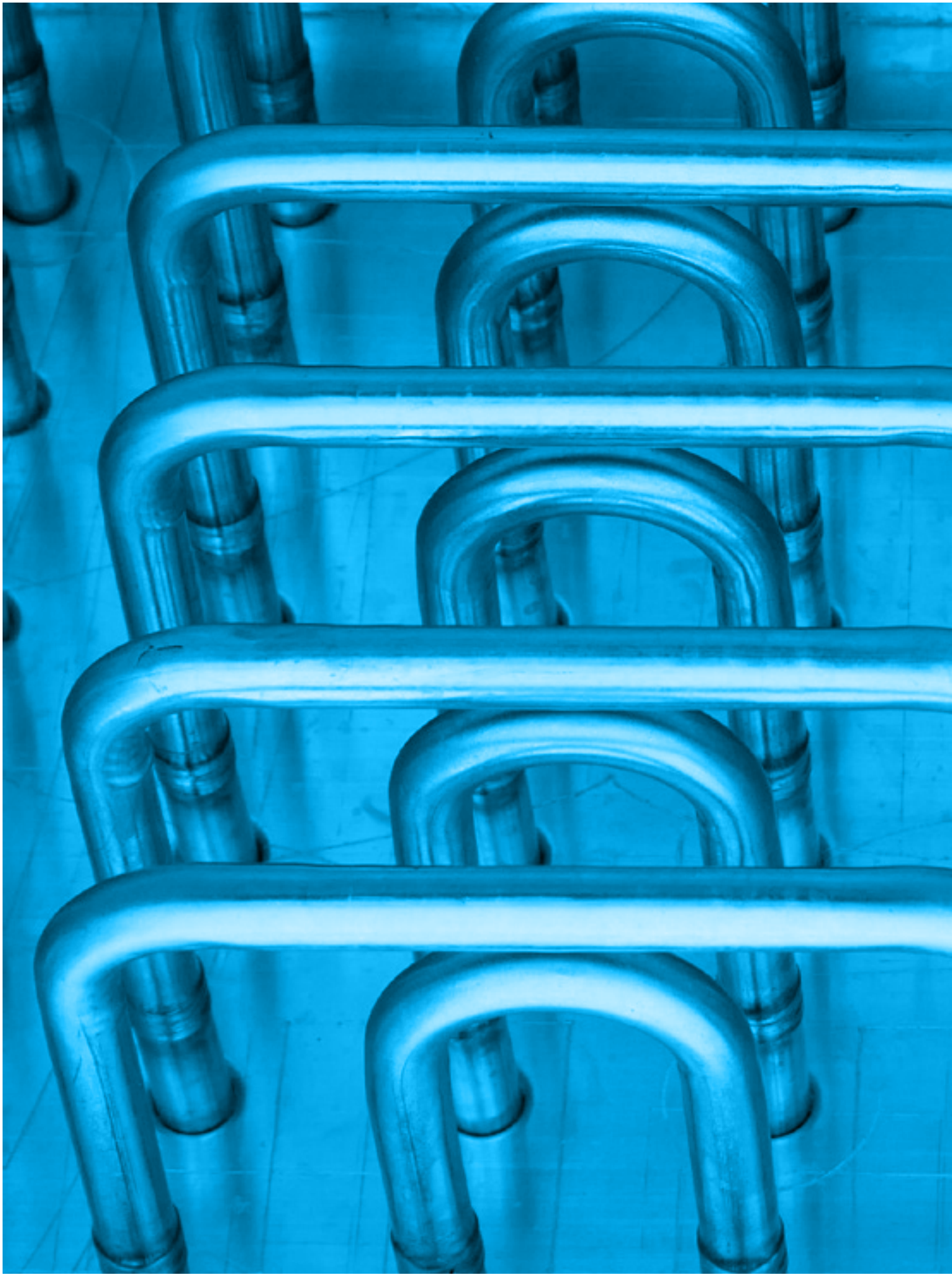
Model	Standard conditions EN328 R404A		Area (m^2)	No. x Ø	Fans		
	SC2 (kW)	SC4 (kW)			Airflow m^3/h	A	W
CUBE-TB45062CU	12.5	8.3	35	2xØ450	12,000	4.2	960
CUBE-TB45082CU	15.8	10,4	47	2xØ450	11,500	4.2	960
CUBE-TB45102CU	18.0	11.8	59	2xØ450	11,000	4.2	960
CUBE-TB45122CU	19.6	12.9	71	2xØ450	10,400	4.2	960
CUBE-TB45063CU	19.2	12.7	53	3xØ450	18,250	6.3	1,440
CUBE-TB45083CU	23.2	15.3	71	3xØ450	17,250	6.3	1,440
CUBE-TB45103CU	27.1	17.9	89	3xØ450	16,250	6.3	1,440
CUBE-TB45123CU	30.6	20.2	106	3xØ450	15,500	6.3	1,440
CUBE-TB50062CU	18.4	12.2	53	2xØ500	16,250	2.82	1,440
CUBE-TB50082CU	22.3	14.7	71	2xØ500	15,750	2.82	1,440
CUBE-TB50102CU	25.8	17.0	89	2xØ500	15,250	2.82	1,440
CUBE-TB50122CU	29.7	19.6	106	2xØ500	14,750	2.82	1,440
CUBE-TB50063CU	26.9	17.8	80	3xØ500	24,750	4.23	2,160
CUBE-TB50083CU	34.1	22.5	106	3xØ500	23,750	4.23	2,160
CUBE-TB50103CU	40.3	26.6	133	3xØ500	23,000	4.23	2,160
CUBE-TB50123CU	43.8	28.9	160	3xØ500	22,250	4.23	2,160
CUBE-TB63062CU	35.6	23.5	106	2xØ630	32,500	6.8	3,940
CUBE-TB63082CU	45.3	29.9	141	2xØ630	31,500	6.8	3,940
CUBE-TB63102CU	53.7	35.5	177	2xØ630	30,750	6.8	3,940
CUBE-TB63122CU	55.4	36.6	213	2xØ630	30,000	6.8	3,940
CUBE-TB63083CU	66.2	43.7	213	3xØ630	47,500	10.2	5,910
CUBE-TB63103CU	74.0	48.8	266	3xØ630	46,500	10.2	5,910
CUBE-TB63123CU	90.9	60.0	319	3xØ630	45,250	10.2	5,910
CUBE-TB80082CU	66.0	43.6	213	2xØ800	44,500	7.6	4,120
CUBE-TB80102CU	78.1	51.5	266	2xØ800	43,250	7.6	4,120
CUBE-TB80122CU	79.8	52.7	319	2xØ800	42,000	7.6	4,120
CUBE-TB80083CU	95.3	62.9	319	3xØ800	66,500	11.4	6,180
CUBE-TB80103CU	107.7	71.0	399	3xØ800	65,000	11.4	6,180
CUBE-TB80123CU	131.2	86.6	479	3xØ800	63,500	11.4	6,180
CUBE-TB80124CU	170.8	112.8	639	4xØ800	84,000	15.2	8,240



CUBE | COMMON DATA

Model	Volume (dm³)	Defrosting (W)		Dimensions				
		Normal (kW)	Enhanced (kW)	C (mm)	G (mm)	F (mm)	H (mm)	A (mm)
CUBE-TB45062	18	9,600	14,400	800	544	784	742	2,237
CUBE-TB45082	24	12,800	19,200	800	544	784	742	2,237
CUBE-TB45102	30	16,000	24,000	800	544	784	742	2,237
CUBE-TB45122	36	19,200	28,800	800	544	784	742	2,237
CUBE-TB45063	27	13,800	20,700	800	544	784	742	3,037
CUBE-TB45083	36	18,400	27,600	800	544	784	742	3,037
CUBE-TB45103	45	23,000	34,500	800	544	784	742	3,037
CUBE-TB45123	54	27,600	41,400	800	544	784	742	3,037
CUBE-TB50062	27	18,000	27,000	1,000	544	784	862	2,637
CUBE-TB50082	36	20,000	30,000	1,000	544	784	862	2,637
CUBE-TB50102	45	24,000	36,000	1,000	544	784	862	2,637
CUBE-TB50122	54	28,000	42,000	1,000	544	784	862	2,637
CUBE-TB50063	41	24,000	36,000	1,000	544	784	862	3,637
CUBE-TB50083	54	30,000	45,000	1,000	544	784	862	3,637
CUBE-TB50103	68	36,000	54,000	1,000	544	784	862	3,637
CUBE-TB50123	82	42,000	63,000	1,000	544	784	862	3,637
CUBE-TB63062	54	24,000	36,000	1,500	745	1,020	1,102	3,751
CUBE-TB63082	73	30,000	45,000	1,500	745	1,020	1,102	3,751
CUBE-TB63102	91	36,000	54,000	1,500	745	1,020	1,102	3,751
CUBE-TB63122	109	42,000	63,000	1,500	745	1,020	1,102	3,751
CUBE-TB63083	109	36,000	54,000	1,500	745	1,020	1,102	5,250
CUBE-TB63103	136	45,000	67,500	1,500	745	1,020	1,102	5,250
CUBE-TB63123	163	54,000	81,000	1,500	745	1,020	1,102	5,250
CUBE-TB80082	109	36,000	54,000	1,500	745	1,050	1,582	3,751
CUBE-TB80102	136	42,000	63,000	1,500	745	1,050	1,582	3,751
CUBE-TB80122	163	48,000	72,000	1,500	745	1,050	1,582	3,751
CUBE-TB80083	163	45,000	67,500	1,500	745	1,050	1,582	5,250
CUBE-TB80103	204	54,000	81,000	1,500	745	1,050	1,582	5,250
CUBE-TB80123	245	63,000	94,500	1,500	745	1,050	1,582	5,250
CUBE-TB80124	327	66,000	99,000	1,500	745	1,050	1,582	6,750

I-CO-36.1-CUBE-F



Ammonia. NH_3 flooded evaporators

CUBE /DUAL ranges

DUAL range

DUAL FLOW NH_3 FLOODED EVAPORATORS

NH_3

Operating range
25-300 Kw

- High-performance dual discharge evaporators, made with AISI 304L stainless steel tubing
- Highly versatile
- Multiple solutions
- Wide range of models

Features

Coil: Made with AISI 304 stainless steel tubing, in a staggered arrangement and with corrugated aluminium fins with 4.5 mm, 7 mm and 10 mm pitches. It has a large secondary to primary surface area ratio, allowing a high level of humidity to be maintained in the cold room.

Body: Made entirely with white lacquered aluminium with oven-polymerised epoxy polyester. Stainless steel fasteners. Side inspection hatches and drip tray with a hinge opening. Threaded aluminium drain, welded at an angle that prevents leaks and damage and saves space in the cold room. Inner drip tray between the coil and outer tray. Alternatively, it can be supplied with a body made entirely of stainless steel.

Defrosting: Multiple options: Standard electric defrosting / Enhanced electric defrosting / Electrical resistors only in tray / Hot gas defrost / Hot glycol defrost via a separate circuit / Water defrost.

Fans: External rotor (4- and 6-pole), three-phase, 400 V 50/60 Hz, 450 mm, 500 mm, 630 mm and 800 mm diameters, connected to a IP54-rated junction box. Hinged for ease of maintenance and cleaning inside the coil.

Options

- Blygold-treated coil
- Electrical resistors in the fan opening
- EC fans
- Special voltage fans
- Insulated outer tray
- Glycol version
- Enclosure made entirely of stainless steel

NOMENCLATURE (DUALCD4542AINTEX)

DUAL	CD	45	4	2	A	I	F	T	E	X	K	A
Range	Geometry	Motor diameter	Coil type	No. fans	Fin pitch A = 4.5 mm B = 7 mm C= 10 mm	Tube type I = stainless steel	Refrigerant N = Nh3 flooded H = Nh3 direct exp. W = glycol Z = C02 direct exp.	Fan type T = 3-phase, 400 V/50 Hz C = EC three-phase 400 V/50 Hz M = single-phase	Defrosting Ø = no defrosting E = electric P = enhanced S = res. only in tray G = hot gas I = imbricated circuit	Body O = painted aluminium X = stainless steel	Tray type O = normal A = insulated	Res. on fan ring Ø = no resistors R = with resistors

Technical data

4.5 MM FIN PITCH

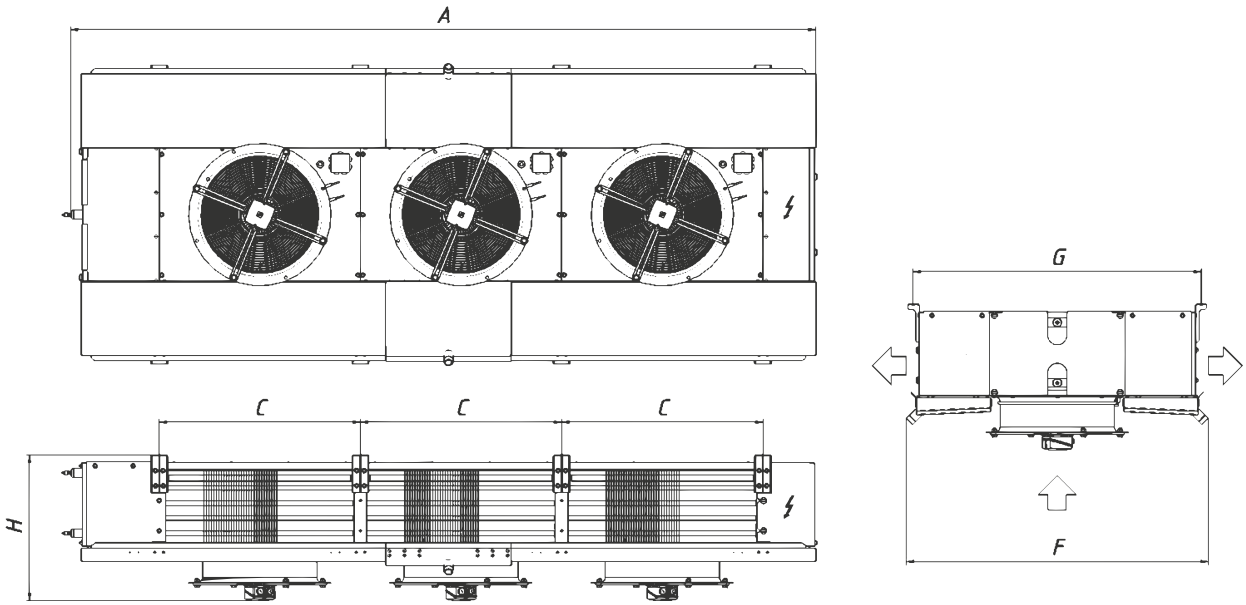
Model	Capacity		Area (m^2)	No. x Ø	Fans		
	SC1 TD=10 (kW)	SC2 TD=8 (kW)			Airflow m^3/h	A	W
DUAL-CD4541AI-HT	9.7	6.6	49.9	1xØ450 mm	5,750	2.1	480
DUAL-CD4561AI-HT	12.8	8.7	74.8	1xØ450 mm	5,250	2.1	480
DUAL-CD4542AI-HT	19.5	13.2	99.8	2xØ450 mm	11,500	4.2	960
DUAL-CD4562AI-HT	25.7	17.5	149.6	2xØ450 mm	10,500	4.2	960
DUAL-CD4543AI-HT	29.4	20	149.6	3xØ450 mm	17,250	6.3	1,440
DUAL-CD4563AI-HT	39.4	26.8	224.4	3xØ450 mm	15,750	6.3	1,440
DUAL-CD5041AI-HT	14.4	9.8	74.8	1xØ500 mm	8,250	1.4	710
DUAL-CD5061AI-HT	19.5	13.2	112.2	1xØ500 mm	7,750	1.4	710
DUAL-CD5042AI-HT	28.9	19.7	149.6	2xØ500 mm	16,500	2.8	1,420
DUAL-CD5062AI-HT	39.1	26.6	224.4	2xØ500 mm	15,500	2.8	1,420
DUAL-CD5043AI-HT	43.4	29.5	224.5	3XØ500 mm	24,750	4.2	2,130
DUAL-CD5063AI-HT	58.5	39.8	336.7	3XØ500 mm	23,250	4.2	2,130
DUAL-CD6342AI-HT	57.2	38.9	299.3	2xØ630 mm	32,000	6.8	3,940
DUAL-CD6362AI-HT	77.6	52.8	448.9	2xØ630 mm	30,500	6.8	3,940
DUAL-CD8042AI-HT	84.3	57.3	448.9	2xØ800 mm	46,000	7.6	4,120
DUAL-CD8062AI-HT	113.1	76.9	673.3	2xØ800 mm	43,600	7.6	4,120
DUAL-CD6343AI-HT	85.7	58.3	448.8	3xØ630 mm	48,000	10.2	5,910
DUAL-CD6363AI-HT	114.7	78	673.3	3xØ630 mm	45,750	10.2	5,910
DUAL-CD8043AI-HT	126	85.7	673.3	3xØ800 mm	69,000	11.4	6,180
DUAL-CD8063AI-HT	169.7	115.4	1,010	3xØ800 mm	65,400	11.4	6,180
DUAL-CD8044AI-HT	169.1	115	897.8	4xØ800 mm	92,000	15.2	8,240
DUAL-CD8064AI-HT	226.9	154.3	1,346.7	4xØ800 mm	87,200	15.2	8,240

7 MM FIN PITCH

Model	Capacity		Area (m^2)	No. x Ø	Fans		
	SC2 (TD=8)	SC3 TD=7 (kW)			Airflow m^3/h	A	W
DUAL-CD4541BI-HT	6.7	5.3	32.6	1xØ450 mm	5,900	2.1	480
DUAL-CD4561BI-HT	8.9	7.1	49	1xØ450 mm	5,600	2.1	480
DUAL-CD4542BI-HT	13.3	10.6	65.3	2xØ450 mm	11,800	4.2	960
DUAL-CD4562BI-HT	17.9	14.3	97.9	2xØ450 mm	11,200	4.2	960
DUAL-CD4543BI-HT	20.1	16.1	97.9	3xØ450 mm	17,700	6.3	1,440
DUAL-CD4563BI-HT	28.5	22.8	147	3xØ450 mm	16,800	6.3	1,440
DUAL-CD5041BI-HT	9.8	7.8	48.9	1xØ500 mm	8,400	1.4	710
DUAL-CD5061BI-HT	13.9	11.1	73.5	1xØ500 mm	8,000	1.4	710
DUAL-CD5042BI-HT	19.6	15.7	97.9	2xØ500 mm	16,800	2.8	1,420
DUAL-CD5062BI-HT	27.9	22.3	146.9	2xØ500 mm	16,000	2.8	1,420
DUAL-CD5043BI-HT	29.5	23.6	146.9	3XØ500 mm	25,200	4.2	2,130
DUAL-CD5063BI-HT	41.4	33.1	220.4	3XØ500 mm	24,000	4.2	2,130
DUAL-CD6342BI-HT	38.8	31	195.9	2xØ630 mm	32,500	6.8	3,940
DUAL-CD6362BI-HT	55.4	44.3	293.8	2xØ630 mm	31,600	6.8	3,940
DUAL-CD8042BI-HT	57	45.6	293.8	2xØ800 mm	46,500	7.6	4,120
DUAL-CD8062BI-HT	81.1	64.9	440.8	2xØ800 mm	45,000	7.6	4,120
DUAL-CD6343BI-HT	58.3	46.6	293.8	3xØ630 mm	48,750	10.2	5,910
DUAL-CD6363BI-HT	82	65.6	440.8	3xØ630 mm	47,400	10.2	5,910
DUAL-CD8043BI-HT	85	68	440.8	3xØ800 mm	69.750	11.4	6,180
DUAL-CD8063BI-HT	120.9	96.7	661.13	3xØ800 mm	67,500	11.4	6,180
DUAL-CD8044BI-HT	114.3	91.4	587.7	4xØ800 mm	93,000	15.2	8,240
DUAL-CD8064BI-HT	162.3	129.8	881.5	4xØ800 mm	90,000	15.2	8,240

10 MM FIN PITCH

Model	Capacity		Area (m^2)	No. x Ø	Fans		
	SC2 (TD=8)	SC4 TD=6 (kW)			Airflow m^3/h	A	W
DUAL-CD4541CI-HT	5.1	3.4	23.3	1xØ450 mm	6,100	2.1	480
DUAL-CD4561CI-HT	7.17	4.7	35.02	1xØ450 mm	5,700	2.1	480
DUAL-CD4542CI-HT	10.3	6.8	46.7	2xØ450 mm	12,200	4.2	960
DUAL-CD4562CI-HT	14.4	9.5	70.03	2xØ450 mm	11,400	4.2	960
DUAL-CD4543CI-HT	16.1	10.6	70.03	3xØ450 mm	18,300	6.3	1,440
DUAL-CD4563CI-HT	22.4	14.8	105.1	3xØ450 mm	17,100	6.3	1,440
DUAL-CD5041CI-HT	7.9	5.2	35	1xØ500 mm	8,600	1.4	710
DUAL-CD5061CI-HT	11	7.3	52.53	1xØ500 mm	8,250	1.4	710
DUAL-CD5042CI-HT	15.8	10.4	70.03	2xØ500 mm	17,200	2.8	1,420
DUAL-CD5062CI-HT	22.1	14.6	105.05	2xØ500 mm	16,500	2.8	1,420
DUAL-CD5043CI-HT	23.2	15.3	105.05	3XØ500 mm	25,800	4.2	2,130
DUAL-CD5063CI-HT	32.4	21.4	157.6	3XØ500 mm	24,750	4.2	2,130
DUAL-CD6342CI-HT	31	20.5	140.1	2xØ630 mm	33,100	6.8	3,940
DUAL-CD6362CI-HT	43.5	28.7	210.1	2xØ630 mm	32,000	6.8	3,940
DUAL-CD8042CI-HT	44.7	29.5	210.1	2xØ800 mm	47,000	7.6	4,120
DUAL-CD8062CI-HT	60.4	39.9	315.15	2xØ800 mm	46,000	7.6	4,120
DUAL-CD6343CI-HT	45.7	30.2	210.1	3xØ630 mm	49,650	10.2	5,910
DUAL-CD6363CI-HT	64	42.2	315.2	3xØ630 mm	48,000	10.2	5,910
DUAL-CD8043CI-HT	68.2	45	315.15	3xØ800 mm	70,500	11.4	6,180
DUAL-CD8063CI-HT	96	63.4	472.7	3xØ800 mm	69,000	11.4	6,180
DUAL-CD8044CI-HT	91.2	60.2	420.2	4xØ800 mm	94,000	15.2	8,240
DUAL-CD8064CI-HT	127.6	84.2	630.3	4xØ800 mm	92,000	15.2	8,240



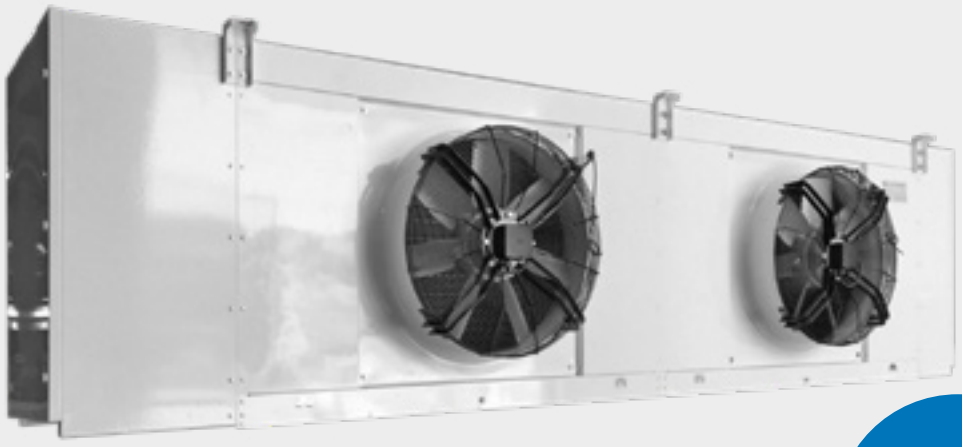
DUAL | COMMON DATA

Model	Volume (dm^3)	Defrosting		Connections		Dimensions				
		Normal (kW)	Enhanced (kW)	IN	OUT	C (mm)	G (mm)	F (mm)	H (mm)	A (mm)
DUAL-CD4541	5.9	4	6	33.7	33.7	800	1,270	1,450	590	1,437
DUAL-CD4561	8.9	4	6	33.7	33.7	800	1,270	1,450	590	1,437
DUAL-CD4542	11.8	8	13	33.7	33.7	800	1,270	1,450	590	2,237
DUAL-CD4562	17.6	8	13	33.7	33.7	800	1,270	1,450	590	2,237
DUAL-CD4543	17.6	12	19	33.7	33.7	800	1,270	1,450	590	3,037
DUAL-CD4563	26.4	12	19	33.7	33.7	800	1,270	1,450	590	3,037
DUAL-CD5041	8.8	6	9	33.7	33.7	1,000	1,330	1,600	780	1,637
DUAL-CD5061	13.2	8	12	33.7	33.7	1,000	1,330	1,600	780	1,637
DUAL-CD5042	17.6	12	18	48.3	48.3	1,000	1,330	1,600	780	2,637
DUAL-CD5062	26.4	16	24	48.3	48.3	1,000	1,330	1,600	780	2,637
DUAL-CD5043	26.4	18	27	48.3	48.3	1,000	1,330	1,600	780	3,637
DUAL-CD5063	39.6	24	36	48.3	48.3	1,000	1,330	1,600	780	3,637
DUAL-CD6342	35.2	20	30	60.3	60.3	1,500	1,330	1,950	780	3,751
DUAL-CD6362	52.8	23	32	60.3	60.3	1,500	1,330	1,950	780	3,751
DUAL-CD8042	52.8	25	35	2 x 60.3	2 x 60.3	1,500	1,570	1,950	1,582	3,751
DUAL-CD8062	79.2	30	45	2 x 60.3	2 x 60.3	1,500	1570	1,950	1,582	3,751
DUAL-CD6343	53	25	35	2 x 60.3	2 x 60.3	1,500	1,330	1,950	780	5,250
DUAL-CD6363	79.2	34	47	2 x 60.3	2 x 60.3	1,500	1,330	1,950	780	5,250
DUAL-CD8043	79.2	37	53	2 x 60.3	2 x 60.3	1,500	1,570	1,950	1,582	5,250
DUAL-CD8063	118.7	41	52	2 x 60.3	2 x 60.3	1,500	1,570	1,950	1,582	5,250
DUAL-CD8044	105.6	49	70	3 x 60.3	3 x 60.3	1,500	1,570	1,950	1,582	6,750
DUAL-CD8064	158.3	57	80	3 x 60.3	3 x 60.3	1,500	1,570	1,950	1,582	6,750

I-CO-37.1

Range CUBE

NH$_3$ FLOODED EVAPORATORS



NH_3

Operating range
6.6-154.3 kW

- High-performance dual discharge evaporator coils, made with AISI 304L stainless steel tubing
- Highly versatile
- Multiple solutions
- Wide range of models

Features

Coil: Made with AISI 304 stainless steel tubing, in a staggered arrangement and with corrugated aluminium fins with a 4.5 mm pitch. 7 mm and 10 mm pitches. It has a large secondary to primary surface area ratio, allowing a high level of humidity to be maintained in the cold room.

Body: Made entirely with white lacquered aluminium with oven-polymerised epoxy polyester. Stainless steel fasteners. Side inspection hatches and drip tray with a hinge opening. Threaded aluminium drain, welded at an angle that prevents leaks and damage and saves space in the cold room. Inner drip tray between the coil and outer tray. Alternatively, it can be supplied with a body made entirely of stainless steel.

Defrosting: Multiple options: Standard electric defrosting / Enhanced electric defrosting / Electrical resistors only in tray / Hot gas defrost / Hot glycol defrost via a separate circuit / Water defrost.

Fans: External rotor, three-phase 400 V 50/60 Hz, 450 mm, 500 mm, 630 mm and 800 mm diameters, connected to a IP54-rated junction box. Hinged for ease of maintenance and cleaning inside the coil.

Options

- Blygold-treated coil
- Electrical resistors in the fan opening
- Designed for fabric ducts
- EC fans
- Special voltage fans
- Insulated outer tray
- Glycol version
- Enclosure made entirely of stainless steel

NOMENCLATURE (CUBECD5083AINTEX)

CUBE	CD	50	8	3	A	I	F	T	E	X	K	A
Range	Geometry	Motor diameter	Coil type	No. fans	Fin pitch A = 4.5 mm B = 7 mm C = 10 mm	Tube type I = stainless steel	Refrigerant N = Nh3 flooded H = Nh3 direct exp. W = glycol Z = C02 direct exp.	Fan type T = 3-phase, 400 V/50 Hz C = EC three-phase 400 V/50 Hz M = single-phase	Defrosting Ø = no defrosting E = electric P = enhanced S = res. only in tray G = hot gas I = imbricated circuit	Body O = painted aluminium X = stainless steel	Tray type O = normal A = insulated	Res. on fan ring Ø = no resistors R = with resistors

The evaporator is supplied sealed and charged with inert gas to ensure internal cleanliness and avoid leaks.
The evaporator is supplied packed on a wooden crate and positioned for mounting, making it easier to hoist up and install.

Technical data

4.5 MM FIN PITCH

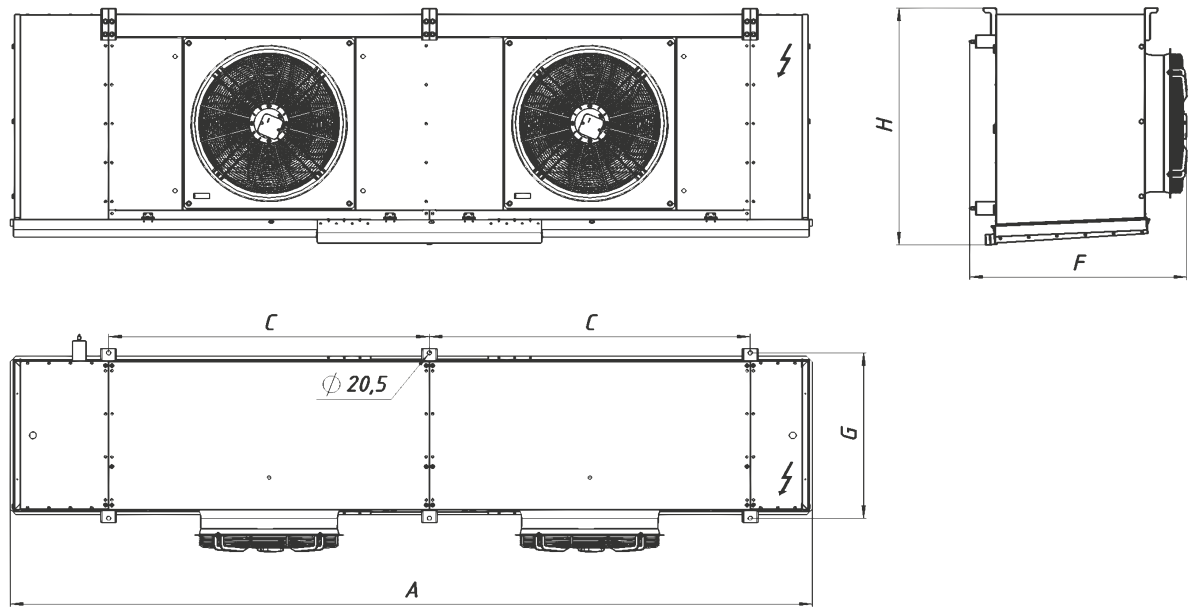
Model	Capacity		Area (m^2)	No. x Ø	Fans		
	SC1 TD=10 (kW)	SC2 TD=8 (kW)			Airflow m^3/h	A	W
CUBE-CD4541AI-HT	9.7	6.6	49.9	1xØ450	5,750	2,1	480
CUBE-CD4561AI-HT	12.8	8.7	74.8	1xØ450	5,250	2.1	480
CUBE-CD4542AI-HT	19.5	13.2	99.8	2xØ450	11,500	4.2	960
CUBE-CD4562AI-HT	25.7	17.5	149.6	2xØ450	10,500	4.2	960
CUBE-CD4543AI-HT	29.4	20	149.6	3xØ450	17,250	6.3	1,440
CUBE-CD4563AI-HT	39.4	26.8	224.4	3xØ450	15,750	6.3	1,440
CUBE-CD5041AI-HT	14.4	9.8	74.8	1xØ500	8,250	1.4	710
CUBE-CD5061AI-HT	19.5	13.2	112.2	1xØ500	7,750	1.4	710
CUBE-CD5042AI-HT	28.9	19.7	149.6	2xØ500	16,500	2.8	1,420
CUBE-CD5062AI-HT	39.1	26.6	224.4	2xØ500	15,500	2.8	1420
CUBE-CD5043AI-HT	43.4	29.5	224.5	3XØ500	24,750	4.2	2,130
CUBE-CD5063AI-HT	58.5	39.8	336.7	3XØ500	23,250	4.2	2,130
CUBE-CD6342AI-HT	57.2	38.9	299.3	2xØ630	32,000	6.8	3,940
CUBE-CD6362AI-HT	77.6	52.8	448.9	2xØ630	30,500	6.8	3,940
CUBE-CD8042AI-HT	84.3	57.3	448.9	2xØ800	46,000	7.6	4,120
CUBE-CD8062AI-HT	113.1	76.9	673.3	2xØ800	43,600	7.6	4,120
CUBE-CD6343AI-HT	85.7	58.3	448.8	3xØ630	48,000	10.2	5,910
CUBE-CD6363AI-HT	114.7	78	673.3	3xØ630	45,750	10.2	5,910
CUBE-CD8043AI-HT	126	85.7	673.3	3xØ800	69,000	11.4	6,180
CUBE-CD8063AI-HT	169.7	115.4	1,010	3xØ800	65,400	11.4	6,180
CUBE-CD8044AI-HT	169.1	115	897.8	4xØ800	92,000	15.2	8,240
CUBE-CD8064AI-HT	226.9	154.3	1346.7	4xØ800	87,200	15.2	8,240

7 MM FIN PITCH

Model	Capacity		Area (m^2)	No. x Ø	Fans		
	SC2 TD=8 (kW)	SC3 TD=7 (kW)			Airflow m^3/h	A	W
CUBE-CD4541BI-HT	6.7	5.3	32.6	1xØ450	5,900	2.1	480
CUBE-CD4561BI-HT	8.9	7.1	49	1xØ450	5,600	2.1	480
CUBE-CD4542BI-HT	13.3	10.6	65.3	2xØ450	11,800	4.2	960
CUBE-CD4562BI-HT	17.9	14.3	97.9	2xØ450	11,200	4.2	960
CUBE-CD4543BI-HT	20.1	16.1	97.9	3xØ450	17,700	6.3	1,440
CUBE-CD4563BI-HT	28.5	22.8	147	3xØ450	16,800	6.3	1,440
CUBE-CD5041BI-HT	9.8	7.8	48.9	1xØ500	8,400	1.4	710
CUBE-CD5061BI-HT	13.9	11.1	73.5	1xØ500	8,000	1.4	710
CUBE-CD5042BI-HT	19.6	15.7	97.9	2xØ500	16,800	2.8	1,420
CUBE-CD5062BI-HT	27.9	22.3	146.9	2xØ500	16,000	2.8	1,420
CUBE-CD5043BI-HT	29.5	23.6	146.9	3XØ500	25,200	4.2	2,130
CUBE-CD5063BI-HT	41.4	33.1	220.4	3XØ500	24,000	4.2	2,130
CUBE-CD6342BI-HT	38.8	31	195.9	2xØ630	32,500	6.8	3,940
CUBE-CD6362BI-HT	55.4	44.3	293.8	2xØ630	31,600	6.8	3,940
CUBE-CD8042BI-HT	57	45.6	293.8	2xØ800	46,500	7.6	4,120
CUBE-CD8062BI-HT	81.1	64.9	440.8	2xØ800	45,000	7.6	4,120
CUBE-CD6343BI-HT	58.3	46.6	293.8	3xØ630	48,750	10.2	5,910
CUBE-CD6363BI-HT	82	65.6	440.8	3xØ630	47,400	10.2	5,910
CUBE-CD8043BI-HT	85	68	440.8	3xØ800	69,750	11.4	6,180
CUBE-CD8063BI-HT	120.9	96.7	661.13	3xØ800	67,500	11.4	6,180
CUBE-CD8044BI-HT	114.3	91.4	587.7	4xØ800	93,000	15.2	8,240
CUBE-CD8064BI-HT	162.3	129.8	881.5	4xØ800	90,000	15.2	8,240

10 MM FIN PITCH

Model	Capacity		Area (m^2)	No. x Ø	Fans		
	SC2 TD=8 (kW)	SC3 TD=6 (kW)			Airflow m^3/h	A	W
CUBE-CD4541CI-HT	5.1	3.4	23.3	1xØ450	6,100	2.1	480
CUBE-CD4561CI-HT	7.17	4.7	35.02	1xØ450	5,700	2.1	480
CUBE-CD4542CI-HT	10.3	6.8	46.7	2xØ450	12,200	4.2	960
CUBE-CD4562CI-HT	14.4	9.5	70.03	2xØ450	11,400	4.2	960
CUBE-CD4543CI-HT	16.1	10.6	70.03	3xØ450	18,300	6.3	1,440
CUBE-CD4563CI-HT	22.4	14.8	105.1	3xØ450	17,100	6.3	1,440
CUBE-CD5041CI-HT	7.9	5.2	35	1xØ500	8,600	1.4	710
CUBE-CD5061CI-HT	11	7.3	52.53	1xØ500	8,250	1.4	710
CUBE-CD5042CI-HT	15.8	10.4	70.03	2xØ500	17,200	2.8	1,420
CUBE-CD5062CI-HT	22.1	14.6	105.05	2xØ500	16,500	2.8	1,420
CUBE-CD5043CI-HT	23.2	15.3	105.05	3XØ500	25,800	4.2	2,130
CUBE-CD5063CI-HT	32.4	21.4	157.6	3XØ500	24,750	4.2	2,130
CUBE-CD6342CI-HT	31	20.5	140.1	2xØ630	33,100	6.8	3,940
CUBE-CD6362CI-HT	43.5	28.7	210.1	2xØ630	32,000	6.8	3,940
CUBE-CD8042CI-HT	44.7	29.5	210.1	2xØ800	47,000	7.6	4,120
CUBE-CD8062CI-HT	60.4	39.9	315.15	2xØ800	46,000	7.6	4,120
CUBE-CD6343CI-HT	45.7	30.2	210.1	3xØ630	49,650	10.2	5,910
CUBE-CD6363CI-HT	64	42.2	315.2	3xØ630	48,000	10.2	5,910
CUBE-CD8043CI-HT	68.2	45	315.15	3xØ800	70,500	11.4	6,180
CUBE-CD8063CI-HT	96	63.4	472.7	3xØ800	69,000	11.4	6,180
CUBE-CD8044CI-HT	91.2	60.2	420.2	4xØ800	94,000	15.2	8,240
CUBE-CD8064CI-HT	127.6	84.2	630.3	4xØ800	92,000	15.2	8,240



CUBE | COMMON DATA

Model	Volume (dm³)	Defrosting (W)		Connections		Dimensions				
		Normal (kW)	Enhanced (kW)	IN	OUT	C (mm)	G (mm)	F (mm)	H (mm)	A (mm)
CUBE-CD4541	5.9	4	6	33.7	33.7	800	544	784	742	1,437
CUBE-CD4561	8.9	4	6	33.7	33.7	800	544	784	742	1,437
CUBE-CD4542	11.8	8	13	33.7	33.7	800	544	784	742	2,237
CUBE-CD4562	17.6	8	13	33.7	33.7	800	544	784	742	2,237
CUBE-CD4543	17.6	12	19	33.7	33.7	800	544	784	742	3,037
CUBE-CD4563	26.4	12	19	33.7	33.7	800	544	784	742	3,037
CUBE-CD5041	8.8	6	9	33.7	33.7	1000	544	784	862	1,637
CUBE-CD5061	13.2	8	12	33.7	33.7	1,000	544	784	862	1,637
CUBE-CD5042	17.6	12	18	48.3	48.3	1,000	544	784	862	2,637
CUBE-CD5062	26.4	16	24	48.3	48.3	1,000	544	784	862	2,637
CUBE-CD5043	26.4	18	27	48.3	48.3	1,000	544	784	862	3,637
CUBE-CD5063	39.6	24	36	48.3	48.3	1,000	544	784	862	3,637
CUBE-CD6342	35.2	20	30	60.3	60.3	1,500	745	1,020	1,102	3,751
CUBE-CD6362	52.8	23	32	60.3	60.3	1,500	745	1,020	1,102	3,751
CUBE-CD8042	52.8	25	35	2 x 60.3	2 x 60.3	1,500	745	1,050	1,582	3,751
CUBE-CD8062	79.2	30	45	2 x 60.3	2 x 60.3	1,500	745	1,050	1,582	3,751
CUBE-CD6343	53	25	35	2 x 60.3	2 x 60.3	1,500	745	1,020	1,102	5,250
CUBE-CD6363	79.2	34	47	2 x 60.3	2 x 60.3	1,500	745	1,020	1,102	5,250
CUBE-CD8043	79.2	37	53	2 x 60.3	2 x 60.3	1,500	745	1,050	1,582	5,250
CUBE-CD8063	118.7	41	52	2 x 60.3	2 x 60.3	1,500	745	1,050	1,582	5,250
CUBE-CD8044	105.6	49	70	3 x 60.3	3 x 60.3	1,500	745	1,050	1,582	6,750
CUBE-CD8064	158.3	57	80	3 x 60.3	3 x 60.3	1,500	745	1,050	1,582	6,750

I-CO-36.1-CUBE-F

Range ABT

BLAST CHILLERS

Operating range

17.5 - 63.8 kW

- Version for CO_2 and glycol
- Painted aluminium body
- High speed and air pressure
- For freezing and rapid cooling applications

Features

Coil: Made with a 1/2” tube in a staggered arrangement and with aluminium fins with a 10 mm pitch.

Body: Made entirely with white lacquered aluminium with oven-polymerised epoxy polyester. Stainless steel fasteners. Threaded aluminium drain, welded at an angle that prevents leaks and damage and saves space in the cold room. Drip tray between the coil and body. Gap between fans, each fan is directed towards its respective section of the coil, thus avoiding the air bypass effect. Height-adjustable feet.

Defrosting: Via shielded electrical resistors made of stainless steel and with sealed terminals, connected to a IP54 compliant junction box.

Fans: External rotor, three-phase 400 V/50/60 Hz. Connected to a IP54-rated junction box. Protected with a grille in accordance with the 2006/42/EC directive.

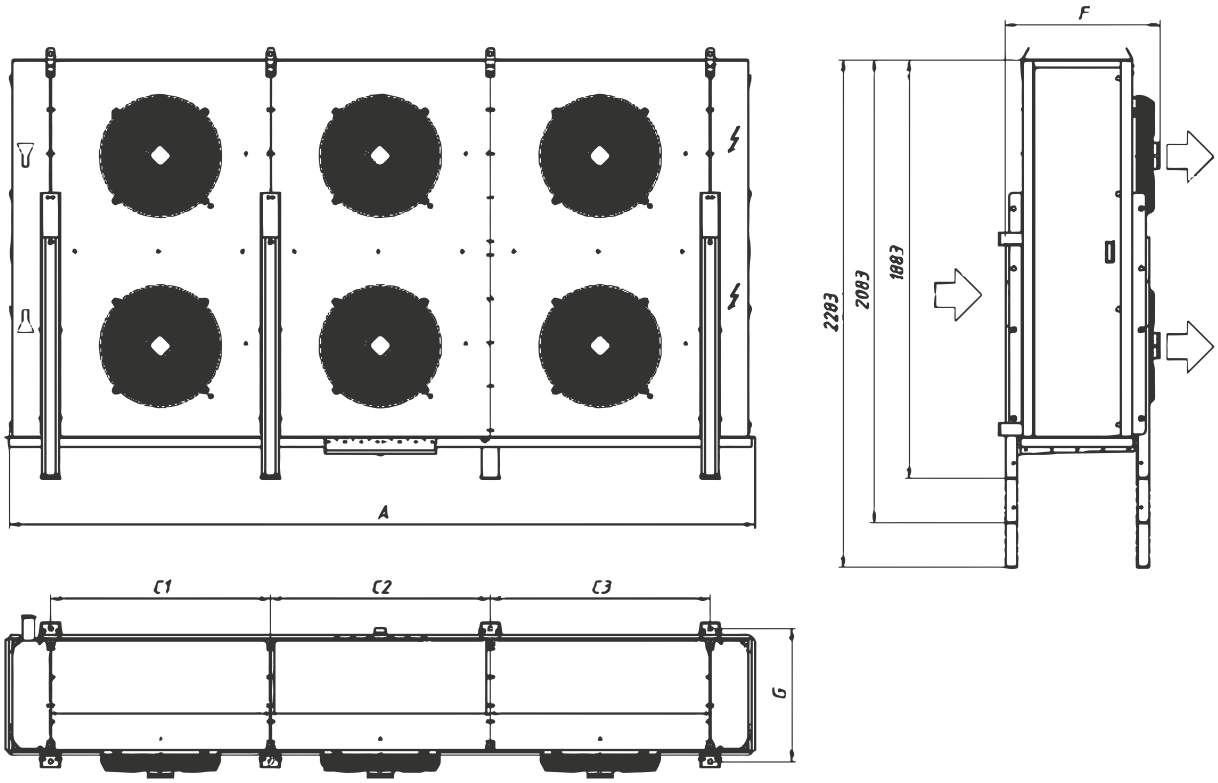
Options

- Blygold-treated coil
- Expansion valve
- Electrical resistors in fan
- Single-phase motors
- EC electric fans
- Electric defrost only in inner tray
- Water defrosting
- Insulated outer tray
- Glycol version
- CO_2 version

Technical data

Model	Standard conditions EN328 R404A			Standard conditions EN328 R744 (CO_2)			Area (m^2)	Volume (dm^3)	Fans				
	SC2 TD=8 (kW)	SC3 TD=7 (W)	SC4 TD=6 (W)	SC2 TD=8 (W)	SC3 TD=7 (W)	SC4 TD=6 (W)			Air throw (m)	Airflow m^3/h	No. x Ø	A	W
ABT 15	24.1	19.3	15.9	28.9	23.2	19.1	83.5	27.5	50	16,400	2 x 500	2.8	1,440
ABT 18	27.7	22.1	18.3	33.8	27.1	22.3	111.4	36.6	45	15,400	2 x 500	2.8	1,440
ABT 25	47.6	38.1	31.4	58	46.4	38.3	168	54.6	50	32,800	4 x 500	5.6	2,880
ABT 35	57.3	45.8	37.8	67.8	54.3	44.8	223	72.2	45	30,800	4 x 500	5.6	2,880
ABT 45	73	58.4	48.2	86.8	69.5	57.3	251	82.5	50	49,200	6 x 500	8.5	4,320
ABT 50	82	65.6	54.1	101.5	81.2	67	335	109.8	45	46,200	6 x 500	8.5	4,320

NOMENCLATURE (ABT C15CET)					
ABT	C	15	C	E	T
Range	Refrigerant Ø = HFC CO45 = CO_2 45 Bar CO60 = CO_2 60 Bar	Model	Fin pitch A = 4.5 mm B = 7 mm C = 10 mm	Defrosting E = electric P = enhanced G = hot gas A = water Ø = no defrosting	Motor type M = single-phase T = three-phase Ø = motorless



ABT | COMMON DATA

Model	Defrosting (W)		Connections		Drain (Inches)	Dimensions						Weight (kg)
	Normal (W)	Enhanced (W)	IN	OUT		C1 (mm)	C2 (mm)	C3 (mm)	F (mm)	G (mm)	A (mm)	
ABT 15	12,000	18,000	2 x 7/8"	2 x 1-3/8"	1"	990	-	-	700	599	1,410	150
ABT 18	16,000	24,000	2 x 7/8"	2 x 1-3/8"	1"	990	-	-	700	599	1,410	170
ABT 25	24,000	36,000	2 x 1-3/8"	2 x 1-5/8"	1"	1,980	-	-	700	599	2,400	270
ABT 35	32,000	48,000	2 x 1-3/8"	2 x 1-5/8"	1"	1,980	-	-	700	599	2,400	320
ABT 45	30,000	45,000	2 x 1-3/8"	2 x 1-5/8"	1-1/2"	990	990	990	700	599	3,390	410
ABT 50	40,000	60,000	2 x 1-3/8"	2 x 1-5/8"	1-1/2"	990	990	990	700	599	3,390	470

I-CO-27.1-ABT

Range EVPC/EVPR

DUCT EVAPORATORS

Operating range
20 - 107 kW

- Version for CO_2 and glycol
- High pressure centrifugal and radial fans with adjustable air flow
- Heating coil for dehumidification processes
- Fully accessible

Features

Coil: Made with a copper tube in a staggered arrangement and with aluminium fins with the choice of two pitches: 4.5 mm for Group A and 7 mm for Group B.

Large secondary to primary surface area ratio, allowing a high level of humidity. Optional additional heating coil for dehumidification processes.

Body: Made with white lacquered aluminium with oven-polymerised epoxy polyester. Stainless steel fasteners, threaded aluminium drain welded to the outer tray, inner drip tray, divider panels between fans. It can be ceiling-mounted or supplied with feet to be floor-mounted. Supplied with fan panels that can be opened for maintenance; these are interchangeable for air outlet selection.

Defrosting: Via shielded electrical resistors made of stainless steel and with sealed terminals, connected to a IP54-compliant junction box.

Fans: Direct drive centrifugal fans, 400 V 50 Hz, EVPC, or EC radial electric fans that support a large pressure drop, EVPR. Connected to a IP54-rated junction box. Optional air flow control.

Options

- Blygold-treated coil
- Additional heating coil for dehumidification
- Fabric duct sleeves
- Speed variator to control the fans' airflow
- Electric defrost only in inner tray
- Hot gas defrost
- Feet so it can be floor-mounted
- Gravimetric suction filter
- Acoustic insulation
- Glycol version
- CO_2 version

NOMENCLATURE (EVPCC173AEKCNTAIF)

EVPC	C	173	A	E	K	CN	T	A	I	F
Range	Refrigerant Ø = HFC CO45 = CO_2 45 Bar CO60 = CO_2 60 Bar W = Glycol	Model	Fin pitch A = 4.5 mm B = 7 mm	Defrosting E = electric P = enhanced G = hot gas Ø = no defrosting	Coil treatment Ø = untreated K = Blygold	Motor type Ø= motorless CN = 3-phase centrif. 12/12 RE = Radial EC Ø500	Mounting Ø = ceiling S = floor	Insulation Ø= no insulation A = acoustic	Tray type Ø = normal I = insulated	Filter type Ø = no filter F = with filter

Technical data

CENTRIFUGAL EVAPORATORS - 4.5 MM FIN PITCH

Model	ΔP (Pa)	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct=0ºC $IN_{glycol\ temp.}$=-10ºC		Fans					Amount water produced (kg/h)*
		SC1 TD=10 (kW)	SC2 TD=8 (kW)	P (kW)	Q (l/h)	Airflow m³/h	No. x Ø	A	W	dB(A) (4 m)	
	100	26.0	17.7	23.6		7,500				72	5.7
EVPC173A	150	25.0	17.0	23.5	4,100	7,000	1x12/12	4.9	1,100	71	5.6
	200	23.3	15.8	22.4		6,200				69	5.3
	100	29.8	20.3	32.7		7,200				71	7.1
EVPC210A	150	28.8	19.6	32.1	7,250	6,800	1x12/12	4.9	1,100	71	6.8
	200	26.6	18.1	30.0		6,000				68	6.3
	100	52.2	35.5	42.4		15,000				75	11.5
EVPC347A	150	50.2	34.1	41.3	8,800	14,000	2x12/12	9.8	2,200	74	11.2
	200	46.7	31.8	38.8		12,400				72	10.7
	100	60.1	40.8	54.5		14,400				74	14.2
EVPC421A	150	58.0	39.4	53.6	11,500	13,600	2x12/12	9.8	2,200	74	13.8
	200	53.5	36.4	51.1		12,000				71	12.8
	100	77.8	52.9	59.5		22,500				77	17.1
EVPC520A	150	75.0	51.0	58.3	13,600	21,000	3x12/12	14.7	3,300	76	16.8
	200	70.1	47.7	54.8		18,600				74	16.1
	100	89.2	60.6	77.8		21,600				76	21.1
EVPC631A	150	86.1	58.6	76.7	18,150	20,400	3x12/12	14.7	3,300	76	20.4
	200	79.6	54.1	73.0		18,000				73	19.0
	100	105.2	71.5	71.0		30,000				78	23.2
EVPC694A	150	101.2	68.8	70.9	12,000	28,000	4x12/12	19.6	4,400	77	22.8
	200	94.4	64.2	68.2		24,800				75	21.8
	100	120.6	82.0	87.7		28,800				77	28.6
EVPC842A	150	116.4	79.1	87.5	15,500	27,200	4x12/12	19.6	4,400	77	27.7
	200	107.3	73.0	84,3		24,000				74	25.7

* RH% = 85%, Air inlet temp. = 0ºC and Evaporation temp. = -8ºC

RADIAL EVAPORATORS - 4.5 MM FIN PITCH

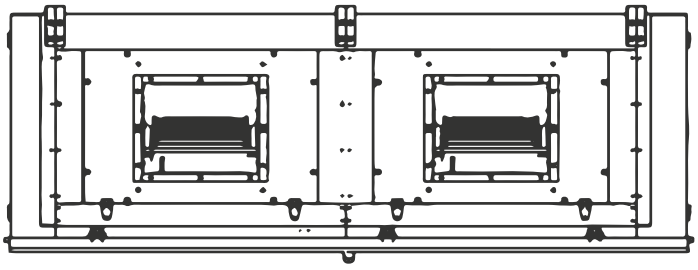
Model	ΔP (Pa)	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct=0°C $IN_{glycol\ temp.}$=-10°C		Fans					Amount water produced (kg/h)*
		SC1 TD=10 (kW)	SC2 TD=8 (kW)	P (kW)	Q (l/h)	Airflow m³/h	No. x Ø	A	W	dB(A) (4 m)	
	100	26.3	17.9	23.6		7,700				61	5.7
	150	26.1	17.8	23.7		7,400				60	5.7
EVPR173A	200	25.2	17.1	23.5	4,100	7,100	1xØ500	2.1	1,250	59	5.6
	300	23.5	16.0	22.7		6,300				56	5.4
	400	21.9	14.9	21.9		5,600				55	5.1
	100	30.8	20.9	32.7		7,600				61	7.3
	150	30.0	20.4	32.4		7,300				60	7.1
EVPR210A	200	29.3	19.9	32.0	7,250	7,000	1xØ500	2.1	1,250	59	6.9
	300	27.1	18.5	30.6		6,200				56	6.5
	400	24.8	16.9	29.0		5,400				55	5.9
	100	52.9	36.0	42.4		15,400				64	11.6
	150	51.8	35.2	41.9		14,800				63	11.4
EVPR347A	200	50.6	34.4	41.1	8,800	14,200	2xØ500	4.2	2,500	62	11.3
	300	47.2	32.1	39.8		12,600				59	10.8
	400	43.9	29.9	38.4		11,200				58	10.3
	100	62.1	42.2	54.5		15,200				64	14.7
	150	60.6	41.2	53.7		14,600				63	14.3
EVPR421A	200	59.0	40.1	52.9	11,500	14,000	2xØ500	4.2	2,500	62	14.0
	300	54.6	37.2	51.5		12,400				59	13.0
	400	49.9	33.9	49.0		10,800				58	11.9
	100	78.9	53.7	59.5		23,100				66	17.2
	150	77.3	52.5	58.5		22,200				65	17.0
EVPR520A	200	75.6	51.4	57.4	13,600	21,300	3xØ500	6.3	3,750	64	16.8
	300	70.7	48.1	55.5		18,900				61	16.2
	400	66.1	44.9	53.6		16,800				60	15.5
	100	92.1	62.6	77.8		22,800				66	21.7
	150	89.9	61.1	76.6		21,900				65	21.3
EVPR631A	200	87.7	59.6	76.1	18,150	21,000	3xØ500	6.3	3,750	64	20.8
	300	81.3	55.3	73.4		18,600				61	19.4
	400	74.3	50.5	69.4		16,200				60	17.8
	100	106.7	72.5	71.0		30,800				67	23.4
	150	104.4	71	71.1		29,600				66	23.2
EVPR694A	200	102	69.4	72.1	12,000	28,400	4xØ500	8.4	5,000	65	22.9
	300	95.3	64.8	72.1		25,200				62	21.9
	400	88.8	60.4	71.2		22,400				61	20.9
	100	124.7	84.8	87.7		30,400				67	29.5
	150	121.7	82.7	87.9		29,200				66	28.8
EVPR842A	200	118.5	80.6	88.2	15,500	28,000	4xØ500	8.4	5,000	65	28.1
	300	109.6	74.6	85.3		24,800				62	26.2
	400	100	68	82.3		21,600				61	24.0

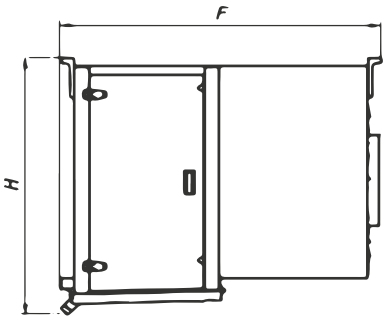
Model	ΔP (Pa)	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct=0ºC $IN_{glycol\ temp.}$=-10ºC		Standard conditions EN328 R774 (CO_2)		Fans					Amount water produced (kg/h)*
		SC1 TD=10 (kW)	SC2 TD=8 (kW)	P (kW)	Q (l/h)	SC2 TD=8 (kW)	SC3 TD=7 (kW)	Airflow m^3/h	No. x Ø	A	W	dB(A) (4 m)	
	100	20.7	14.1	14.6		15.6	12.5	7,600				72	4.4
EVPC136B	150	20	13.6	14.5	3,500	15	12	7,100	1x12/12	4.9	1,100	71	4.3
	200	18.9	12.8	13.9		14.1	11.3	6,400				69	4.2
	100	25.7	17.5	20.3		18.3	14.6	7,400				71	5.6
EVPC165B	150	24.9	16.9	19.9	6,550	17.7	14.1	7,000	1x12/12	4.9	1,100	71	5.5
	200	23.2	15.7	18.6		16.3	13	6,200				69	5.3
	100	41.5	28.2	26.5		31.3	25	15,200				75	8.9
EVPC271B	150	40	27.2	25.8	7,800	30	24	14,200	2x12/12	9.8	2,200	74	8.7
	200	37.8	25.7	24.3		28.2	22.6	12,800				72	8.4
	100	51.7	35.1	33.3		36.7	29.4	14,800				74	11.4
EVPC329B	150	50	34	32.8	10,150	35.4	28.3	14,000	2x12/12	9.8	2,200	74	11.2
	200	46.5	31.6	31.3		33.1	26.5	12,400				72	10.7
	100	63.6	43.2	37.4		46.6	37.3	22,800				77	12.5
EVPC407B	150	62.8	42.7	36.6	12,200	44.8	35.8	21,300	3x12/12	14.7	3,300	76	12.6
	200	59.6	40.5	34.4		42	33.6	19,200				74	12.2
	100	77.3	52.6	48.3		54.5	43.6	22,200				76	17
EVPC494B	150	74.9	50.9	47.6	16,200	52.6	42.1	21,000	3x12/12	14.7	3,300	76	16.7
	200	69.8	47.5	45.3		48.6	38.9	18,600				74	16
	100	85.2	57.9	43.4		62.7	50.1	30,400				78	17.5
EVPC542B	150	82.1	55.8	43.3	10,000	60.2	48.2	28,400	4x12/12	19.6	4,400	77	17.2
	200	79.7	54.2	41.7		56.6	45.2	25,600				75	17.1
	100	103.6	70.5	54.4		74.6	59.6	29,600				77	22.9
EVPC658B	150	100.3	68.2	54.4	15,500	71.9	57.5	28,000	4x12/12	19.6	4,400	77	22.5
	200	93.3	63.4	52.3			53	24,800				75	21.4

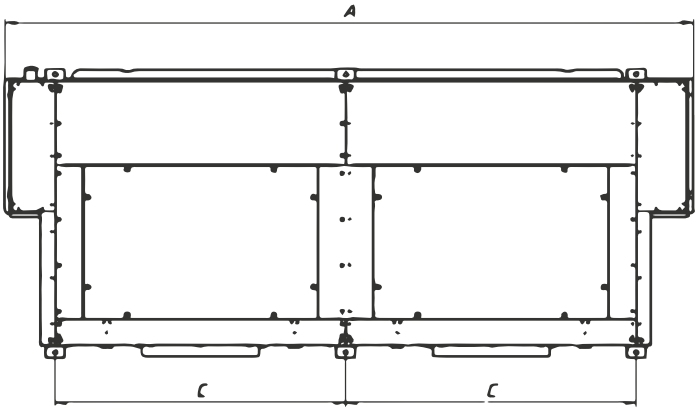
* RH% = 85%, Air inlet temp. = 0ºC and Evaporation temp. = -8ºC

RADIAL EVAPORATORS - 7 MM FIN PITCH

Model	ΔP (Pa)	Standard conditions EN328 R404A		Ethylene Glycol 30% PD=50 kPa Ct=0°C $IN_{glycol\ temp.}$=-10°C		Standard conditions EN328 R774 (CO_2)		Fans					Amount water produced (kg/h)*
		SC1 TD=10 (kW)	SC2 TD=8 (kW)	P (kW)	Q (l/h)	SC2 TD=8 (kW)	SC3 TD=7 (kW)	Airflow m^3/h	No. x Ø	A	W	dB(A) (4 m)	
EVPR136B	100	21.0	14.2	14.6	3,500	15.8	12.6	7,800	1xØ500	2.1	1,250	61	4.4
	150	20.5	14.0	14.7		15.5	12.4	7,500				60	4.4
	200	20.1	13.7	14.5		15.1	12.1	7,200				59	4.3
	300	19.0	12.9	14.1		14.2	11.4	6,500				56	4.2
	400	18.1	12.3	13.6		13.1	10.5	5,700				55	4.1
EVPR165B	100	26.3	17.9	20.3	6,550	18.8	15.0	7,700	1xØ500	2.1	1,250	61	5.7
	150	25.7	17.5	20.1		18.2	14.6	7,400				60	5.6
	200	25.1	17.1	19.8		17.8	14.3	7,100				59	5.6
	300	23.6	16.0	19.0		16.6	13.3	6,400				56	5.4
	400	21.8	14.8	18.0		15.2	12.2	5,600				55	5.1
EVPR271B	100	42.0	28.6	26.5	7,800	31.8	25.4	15,600	2xØ500	4.2	2,500	64	8.9
	150	41.2	28.0	26.2		31.0	24.8	15,000				63	8.8
	200	40.3	27.4	25.7		30.3	24.2	14,400				62	8.7
	300	38.2	26.0	24.9		28.5	22.8	13,000				59	8.4
	400	36.4	24.7	24.0		26.3	21.0	11,400				58	8.2
EVPR329B	100	52.9	35.9	33.3	10,150	37.7	30.1	15,400	2xØ500	4.2	2,500	64	11.5
	150	51.7	35.1	32.8		37.2	29.8	14,800				63	11.4
	200	50.4	34.3	32.4		35.8	28.6	14,200				62	11.2
	300	47.4	32.3	31.5		33.4	26.7	12,800				59	10.8
	400	43.7	29.7	30.0		30.5	24.4	11,200				58	10.2
EVPR407B	100	64.5	43.9	37.4	12,200	47.4	37.9	23,400	3xØ500	6.3	3,750	66	12.6
	150	63.2	43.0	36.7		46.3	37.0	22,500				65	12.5
	200	62.8	42.7	36.1		45.2	36.1	21,600				64	12.6
	300	60.1	40.9	34.8		42.4	34.0	19,500				61	12.3
	400	56.0	38.1	33.7		39.1	31.3	17,100				60	11.8
EVPR494B	100	79.0	53.7	48.3	16,200	56.0	44.8	23,100	3xØ500	6.3	3,750	66	17.2
	150	77.3	52.6	47.5		54.5	43.6	22,200				65	17.0
	200	76.1	51.7	47.2		53.6	42.9	21,600				64	16.9
	300	71.1	48.3	45.5		49.6	39.7	19,200				61	16.2
	400	65.6	44.6	43.1		45.4	36.3	16,800				60	15.3
EVPR542B	100	86.3	58.7	43.4	10,000	63.6	50.9	31,200	4xØ500	8.4	5,000	67	17.7
	150	84.5	57.5	43.5		62.2	49.8	30,000				66	17.5
	200	82.6	56.2	44.1		60.7	48.6	28,800				65	17.3
	300	80.4	54.6	44.1		57.1	45.7	26,000				62	17.2
	400	74.6	50.7	43.6		52.6	42.1	22,800				61	16.2
EVPR658B	100	106.0	72.1	54.4	15,500	75.4	60.4	30,800	4xØ500	8.4	5,000	67	23.2
	150	103.6	70.5	54.6		73.6	58.8	29,600				66	22.9
	200	101.2	68.8	54.8		71.6	57.3	28,400				65	22.6
	300	95.1	64.7	53.0		66.9	53.5	25,600				62	21.7
	400	87.6	59.6	51.1			48.9	22,400				61	20.5



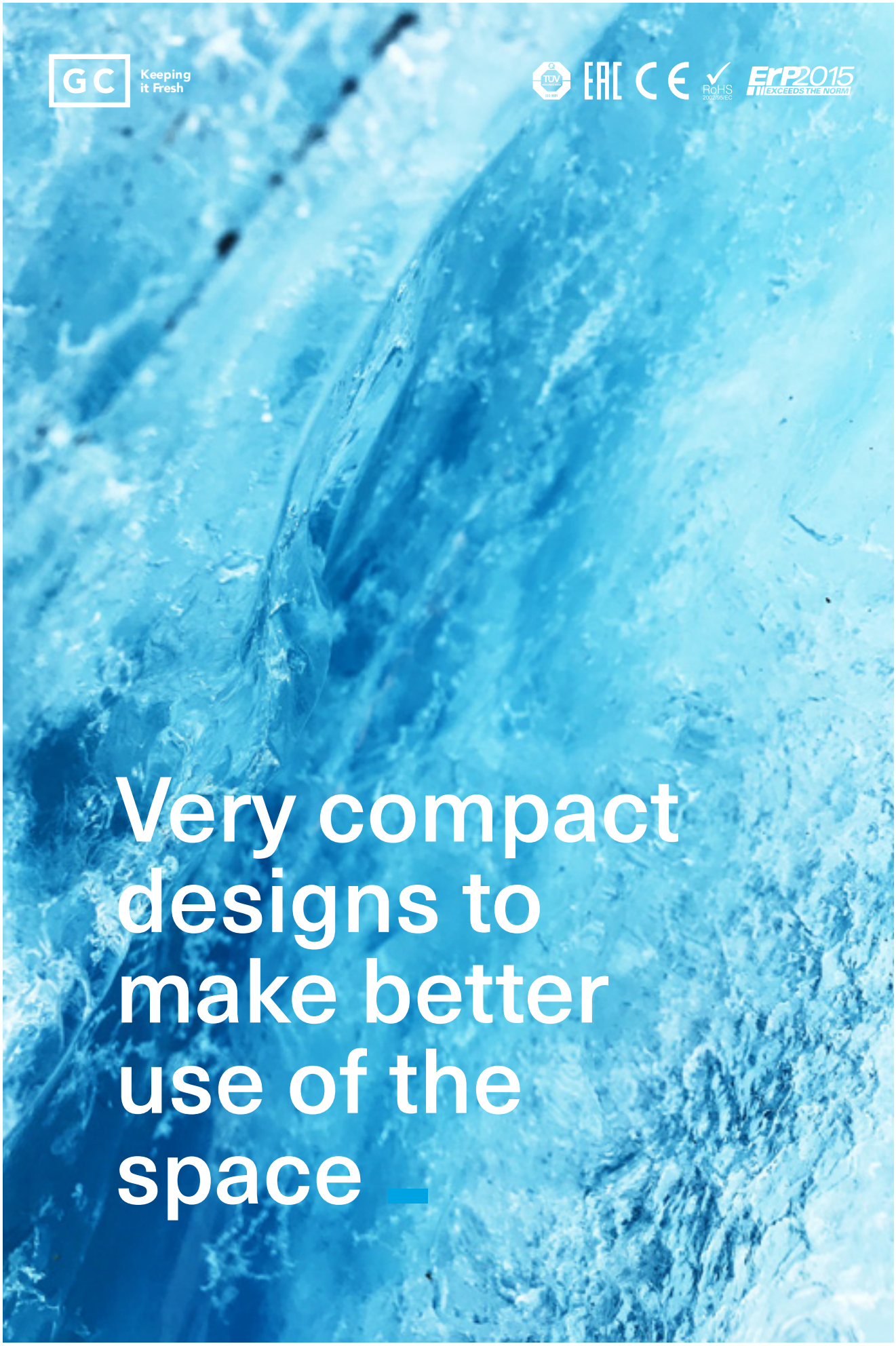




EVPC/EVPR | COMMON DATA

Model	Surface area (m2)	Volume (dm^3)	Defrosting (W)		Connections		Drain (inches)	Dimensions				
			Normal (kW)	En-hanced (kW)	IN	OUT		C (mm)	G (mm)	F (mm)	H (mm)	A (mm)
EVPC173A	80	14.4	6.0	9.0	7/8"	1-3/8"	1"	990	1,050	1,100	976	1,355
EVPC210A	106.6	18.8	8.0	12.0	7/8"	1-3/8"	1"	990	1,050	1,100	976	1,355
EVPC347A	159.9	27.5	12.0	18.0	1-3/8"	1-5/8"	1"	2x990	1050	1,100	976	2,345
EVPC421A	213.3	36.6	16.0	24.0	1-3/8"	1-5/8"	1"	2x990	1,050	1,100	976	2,345
EVPC520A	239.9	41.2	15.0	22.5	1-3/8"	1-5/8"	1-1/2"	3x990	1,050	1,100	976	3,335
EVPC631A	319.4	54.4	20.0	30.0	1-3/8"	1-5/8"	1-1/2"	3x990	1,050	1,100	976	3,335
EVPC694A	319.9	54.6	20.0	30.0	1-3/8"	1-5/8"	1-1/2"	4x990	1,050	1,100	976	4,325
EVPC842A	426.5	72.2	26.6	40.0	1-3/8"	1-5/8"	1-1/2"	4x990	1,050	1,100	976	4,325
EVPC136B	53	14.4	6.0	9.0	7/8"	1-3/8"	1"	990	1,050	1,100	976	1,355
EVPC165B	70.7	18.8	8.0	12.0	7/8"	1-3/8"	1"	990	1,050	1,100	976	1,355
EVPC271B	106	27.5	12.0	18.0	1-3/8"	1-5/8"	1"	2x990	1,050	1,100	976	2,345
EVPC329B	141.4	36.6	16.0	24.0	1-3/8"	1-5/8"	1"	2x990	1,050	1,100	976	2,345
EVPC407B	159.1	41.2	15.0	22.5	1-3/8"	1-5/8"	1-1/2"	3x990	1,050	1,100	976	3,335
EVPC494B	211.6	54.4	20.0	30.0	1-3/8"	1-5/8"	1-1/2"	3x990	1,050	1,100	976	3,335
EVPC542B	212.1	54.6	20.0	30.0	1-3/8"	1-5/8"	1-1/2"	4x990	1,050	1,100	976	4,325
EVPC658B	282.8	72.2	26.6	40.0	1-3/8"	1-5/8"	1-1/2"	4x990	1,050	1,100	976	4,325

I-CO-34.2-EVPR


GC
Keeping
it Fresh
RoHS
2002/95/EC
ErP2015
EXCEEDS THE NORM
Very compact
designs to
make better
use of the
space

Range EM

WALL-MOUNTED EVAPORATORS FOR TUNNEL FREEZERS

- HFC, CO_2, NH_3
- High-performance fans
- Broad range of applications
- Wide range of options

Features

Evaporators developed specifically for tunnel freezers or blast chillers, both static and dynamic.

Their biggest and best feature is that they are designed for each specific application, depending on the needs of the process being used.

Coils with a wide range of options, different fin pitches, fin and half-fin. Different geometries and types of tubes, made of copper or stainless steel depending on the refrigerant being used, which can be HFC, CO_2 or NH_3.

High-performance industrial and standard fans with different diameters and multiple power options that can deliver high pressure for optimal tunnel performance.

Body designed for each application; it can have an exposed coil with a ventilation group at the top and an insulated drip tray or it can be fully enclosed with fans at the front.

Defrosting either via electrical resistors, a Temper imbricated circuit, water flush, hot gas, etc.

I-CO-42.0-EM

SDH range

DRYERS FOR CURING PROCESSES

- HFC, Glycol, CO_2, NH_3
- Radial fans, greater energy efficiency
- Broad range of applications
- High ventilation capacity

Features

This is a new range of machines designed for drying, curing and maturing meat and dairy products.

Centralised operation, with specific designs to use HFC, glycol, CO_2 and ammonia (NH_3).
It has a cooling coil that reduces the dew point, thus drying out the air, and it has another heating coil to increase the temperature and keep the cold room in optimal conditions.

These coils are made a copper tube, or a stainless steel tube in the case of NH_3, with corrugated aluminium fins, to achieve high heat exchange efficiency. Both the diameter and geometry of the tube are designed specifically for their intended application.

They have radial electric fans, which are high volume and consume very little energy, in accordance with the new ErP 2015 energy efficiency directive. The air volume can be adjusted automatically, ensuring that we always have the necessary volume of air in the room. They are direct drive, there are no belts or pulleys or adjustment carriage, so maintenance is a thing of the past and the noise level is greatly reduced.

Built-in progressive motorised valve system to ensure the proper operation of the machine, in addition to filters and check valves.

Reverse-cycle defrosting is possible and, optionally, we can supply a pack of electrical resistors to aid curing processes at the customer's request.

The body is made entirely of stainless steel, with inspection hatches to access all parts of the machine, a drip tray, with optional thermal insulation if the machine operates outside the cold room.

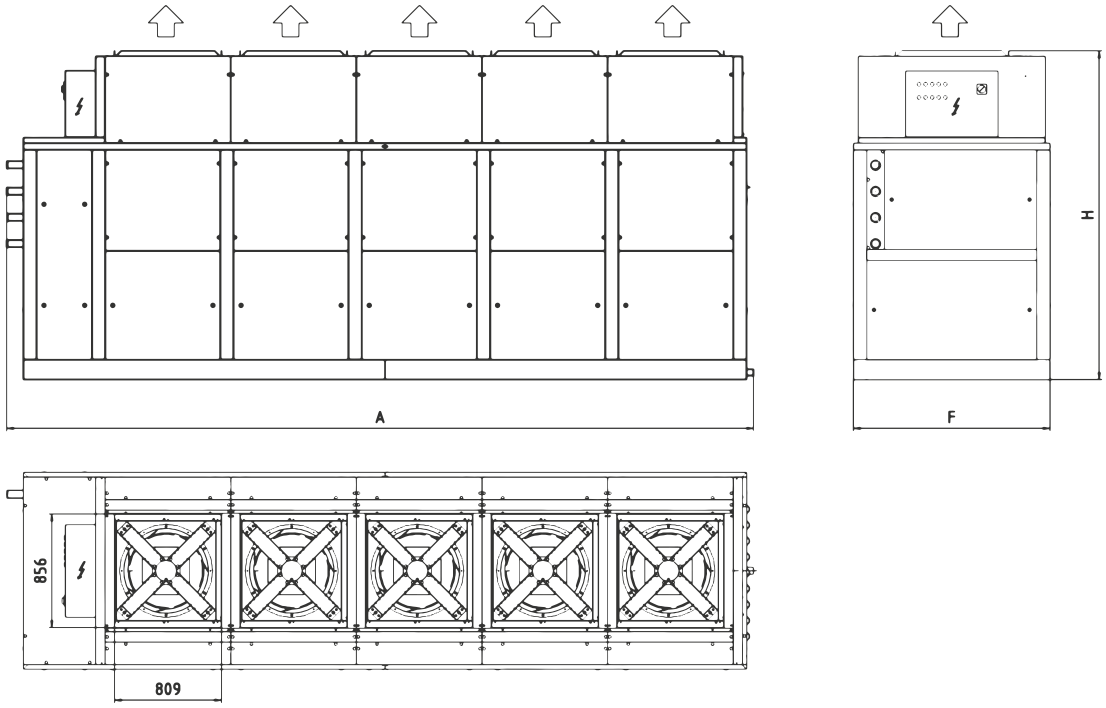
Technical data

Models for ethylene glycol at 30%	Cold room temp. +14ºC RH=75% Ethylene Glycol 30% Inlet temp. -12ºC	Glycol flow rate (m3/h)	Amount of water produced kg/h	Fans			
				Airflow m³/h	No. x Ø	A	kW
SDH-263W	193.6	14	109.7	28,000	2x630	13.2	7.8
SDH-363W	289.7	21	164.1	42,000	3x630	19.8	11.7
SDH-463W	385.7	28	218.5	56,000	4x630	26.4	15.6
SDH-563W	461.6	30	261.47	70,000	5x630	33	19.5

Models for freon R404	Power (kW) Cold room temp. +14ºC RH=75% Evap. temp. -8ºC Cond. temp. 35ºC	Amount of water produced kg/h	Fans			
			Airflow m³/h	No. x Ø	A	kW
SDH-263R	160	85	30,000	2x630	13.2	7.8
SDH-363R	240	128	45,000	3x630	19.8	11.7
SDH-463R	319	170.5	60,000	4x630	26.4	15.6
SDH-563R	401	214.4	75,000	5x630	33	19.5

R744 models (CO_2)	Power (kW) Cold room temp. +14ºC RH=75% Evap. temp. -8ºC Cond. temp. 14ºC	Amount of water produced kg/h	Fans			
			Airflow m³/h	No. x Ø	A	kW
SDH-263C	202	114	30,000	2x630	13.2	7.8
SDH-363C	303	171	45,000	3x630	19.8	11.7
SDH-463C	415	231	60,000	4x630	26.4	15.6
SDH-563C	522	292	75,000	5x630	33	19.5

R717 models (ammonia)	Power (kW) Cold room temp. +3ºC RH=75% Evap. temp. -7ºC	Amount of water produced kg/h	Fans			
			Airflow m³/h	No. x Ø	A	kW
SDH-263C	120	40	30,000	2x630	13.2	7.8
SDH-363C	170	60	45,000	3x630	19.8	11.7
SDH-463C	230	80	60,000	4x630	26.4	15.6
SDH-563C	280	96	75,000	5x630	33	19.5



SDH | COMMON DATA

Model	Dimensions					
	A (mm)	H (mm)	F (mm)	L (mm)	B (mm)	G (mm)
SDH-263	2,600	2,508	1,357	808	856	1,485
SDH-363	3,550	2,508	1,357	808	856	1,485
SDH-463	4,500	2,508	1,357	808	856	1,485
SDH-563	5,450	2,508	1,357	808	856	1,485

I-CO-41.0-SDH

Condensers

GC Refrigeration has a wide selection of condensers that are used for a broad range of applications: OMS, commercial and industrial. They work with HFC gases, water or glycol.

Features

Coils: Made with a copper tube in a staggered arrangement and with corrugated aluminium fins to achieve the highest possible energy efficiency. Leak test pressure in accordance with the regulations. The coil is supplied with a valve core and charged with gas to ensure it is in a suitable condition.

Body: Made of galvanised steel sheets with dividers between fans to avoid the bypass effect. The fans have a very pronounced opening to achieve the best possible performance.

Fans: External rotor, single-phase and three-phase, with different voltage options available. With a terminal box with IP-54-rated protection and a thermal protector, fitted with a grille in accordance with the regulations. The C range has shaded pole motors. There is also the option to use low consumption EC electric motors.

Options

- Protective vinyl coating on the coil fins
- Blygold-treated coil
- Multi-circuit option
- Fans with different voltages
- 400 V / III / 60 Hz
- 230 V / III / 60 Hz

Range	kW	Application			Fluid		Fans					Fin pitch	Body			Page
							Type			Commutation						
		OMS	Commercial	Industrial	Freons	Glycol	Axial	Centrifugal	Radial	Ac	Ec		Plain	Pre-lacquered	Painted	
CG	4,6 - 62,7	●	●	●	●	●	●			●	●	2,5 / 3	●		●	98
HCM	23 - 180		●	●	●		●			●	●	2,1		●		102
CRH	44 - 1023			●	●	●	●			●	●	2,1			●	108
CC	8,7 - 102		●	●	●	●		●		●		2,1		●		118
CR	15,2 - 375			●	●	●			●	●	●	2,1		●		122
UC	37 - 226		●	●	●		●			●	●	2,1		●		126

CG range (4.6 - 62.7 kW) Page 98

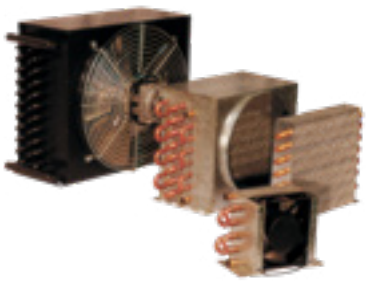
HCM range (23 - 180 kW) Page 102

CRH range (21.9 - 1,023 kW) Page 108

CC range (8.7 - 102 kW) Page 118

CR range (15.2 - 375 kW) Page 122

UC range (37 - 226 kW) Page 126



C range (0.2 - 6.9 kW) Page 130

SC range (0.7 - 17.9 kW) Page 132

Features

The Energy Efficiency Class is shown on each of the models, in accordance with DIRECTIVE 92/75/EEC. The aim of this directive is to enable the harmonisation of national measures on the publication, particularly by means of labelling and of product information, of information on the consumption of energy, thereby allowing consumers to choose more energy-efficient appliances. This labelling will provide consumers with information regarding energy consumption.

The energy efficiency class is determined by the condenser's nominal power in kW in relation to the energy absorbed by all of its motors under standard conditions.

$$R = \frac{\text{Capacity } (\Delta t = 15K)}{\text{Energy consumed by the motor}}$$

Depending on the R value, it will be given the following rating:

ENERGY RATING (BASED ON THE R VALUE)

CLASS A	R ≥ 110 Extremely low energy consumption
CLASS B	70 ≤ R < 110 Very low energy consumption
CLASS C	45 ≤ R < 70 Low energy consumption
CLASS D	30 ≤ R < 45 Average energy consumption
CLASS E	R < 30 High energy consumption

Selection example

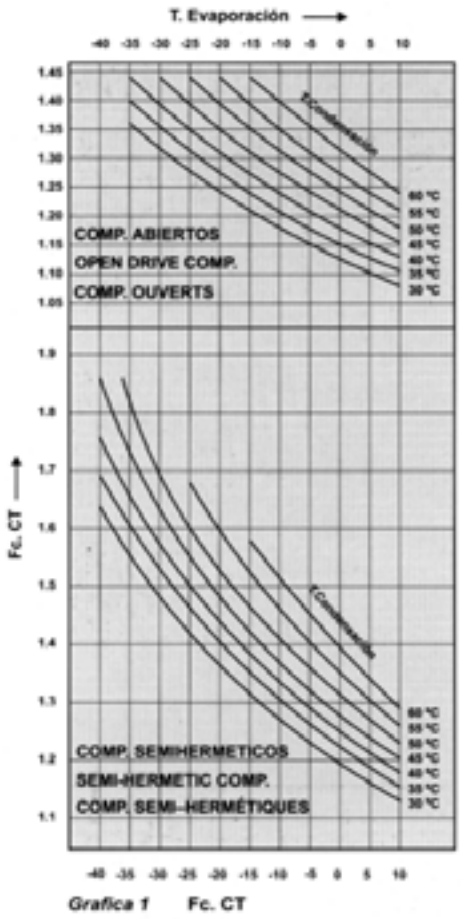
A 24 kW condenser is required with R134A refrigerant, ambient temp. = 30ºC. The condensing temperature is 50ºC, TD = 20 and it is at an altitude of 1000 m.
The nominal capacity is:

$$NC = \frac{RC}{G_F \cdot TD_F \cdot Amb_F \cdot Al_{FI}}$$

Each of the correction factors is obtained from the following tables:

$$NC = \frac{24}{0.93 \cdot 1.33 \cdot 0.98 \cdot 0.92} = 21.52 \text{ kW}$$

So CG22 is the selected model



Grafica 1 Fc. CT

CORRECTION FACTORS

SOUND PRESSURE LEVEL DB(A) ACCORDING TO DISTANCE								
DISTANCE	1	3	5	10	15	30	50	100
dB	20.0	10.5	6.0	0.0	-3.5	-9.5	-14.0	-20.0

ACCORDING TO AMBIENT TEMPERATURE								
TEMP. (ºC)	10	15	20	25	30	35	40	45
Amb_F	1.04	1.03	1.02	1.00	0.98	0.97	0.96	0.95

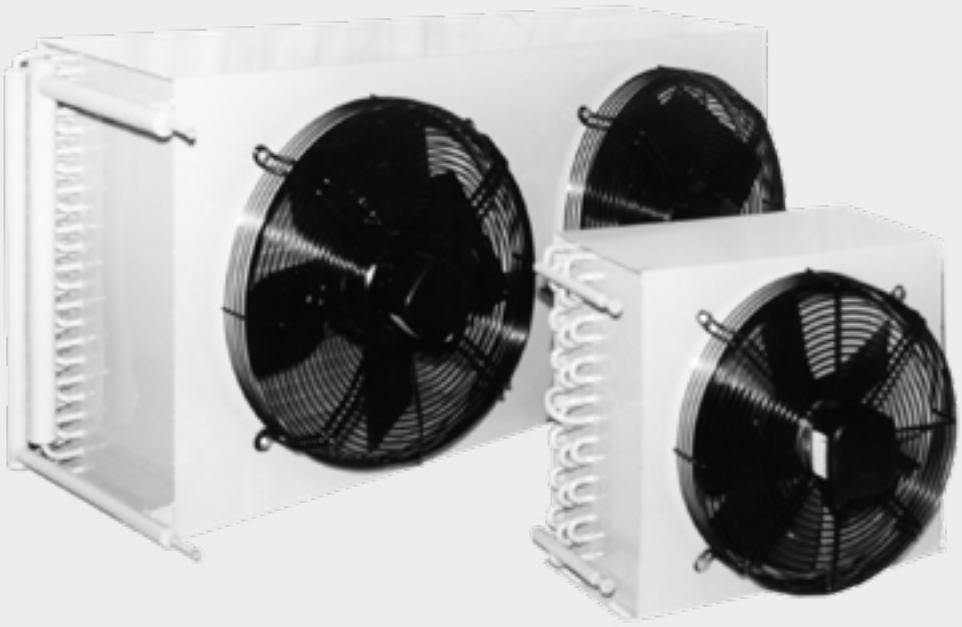
ACCORDING TO ALTITUDE ABOVE SEA LEVEL							
ALTITUDE (M)	0	500	1,000	1,500	2,000	2,500	3,000
Al_F	1	0.96	0.92	0.90	0.85	0.83	0.80

REFRIGERANT GAS									
REFRIGERANT	R134A	R404A	R410A	R507A	R407A	R407A	R407A	R448A	R449A
G_F	0.93	1	0.96	1	0.98	0.86	0.92	0.96	0.99

ACCORDING TO THE DIFFERENCE BETWEEN THE CONDENSING TEMPERATURE AND THE AMBIENT TEMPERATURE													
TD	8	9	10	11	12	13	14	15	16	17	18	19	20
TD_F	0.53	0.60	0.67	0.73	0.80	0.87	0.93	1.00	1.07	1.13	1.20	1.27	1.33

Range CG

CONDENSERS FOR CONDENSING UNITS



Operating range
4.6 - 62.7 kW

EC Motor

- Optional EC electric motors available
- Optional bench-mounted body
- Specially designed for hermetic and semi-hermetic units
- Choice of one or two fans for all powers

Features

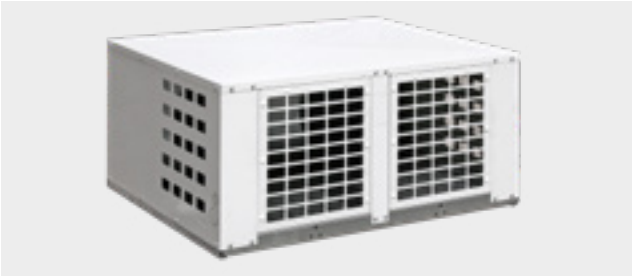
Coil: Made with a 3/8" tube in a staggered arrangement and with highly efficient aluminium fins with a 2.1 mm pitch.

Body: Made of galvanised steel sheets with dividers so that the fans are directed towards their respective part of the coil, avoiding any interference between them. Painted with oven-polymerised epoxy polyester, RAL 7004 grey.

Fans: External rotor, single-phase 230 V-50 Hz or three-phase 400 V-50 Hz, with class F insulation and an IP-54 protection rating. Mounted on a metal grille in accordance with the regulations.

Options

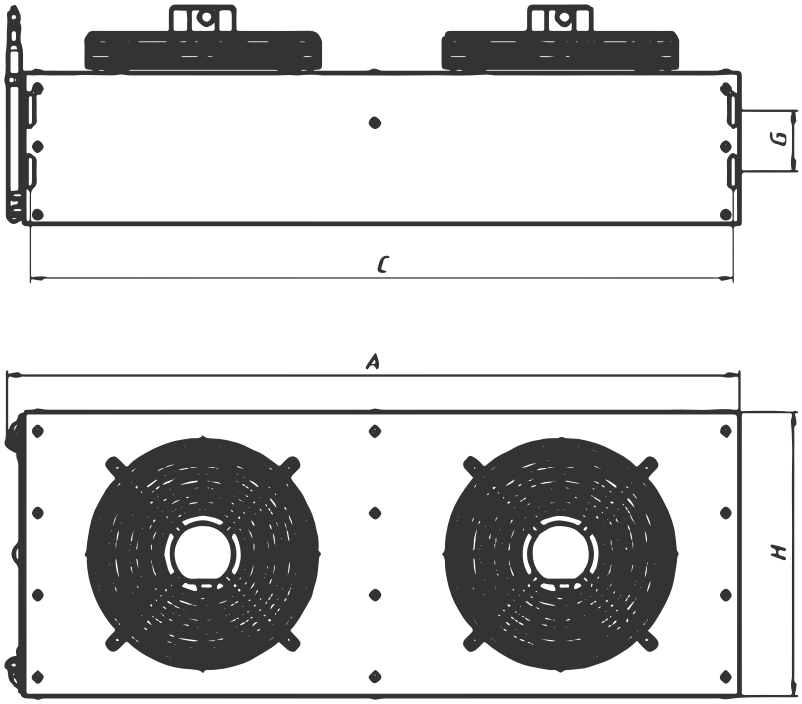
- Multi-circuit coil
- Fins treated with vinyl coating or Blygold
- EC electric motorised fans
- Frame-mounted body for the condensing unit



NOMENCLATURE (CG31MP)			
CG	31	M	P
Range	Model	Motor type M = single-phase motor T = three-phase 4-P motor S = silent three-phase 6-P motor SS = ultra-silent three-phase 8-P motor Ø = motorless	Finish P = painted Ø = plain

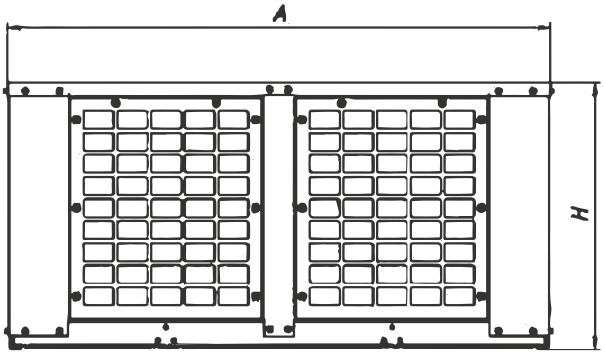
Technical data

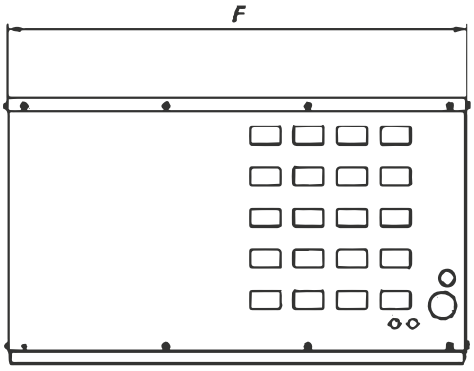
Model	Capacity EN327 TD 15 (kW)	Area (m^2)	Volume (dm^3)	No. x Ø	Energy class	Fans					Fin pitch (mm)	Weight (kg)
						Airflow (m^3/h)	W	A	dB(A) (10m)	Voltage		
CG05	4.62	7.4	1.8	1 x 300	C	1,300	78	0.5	36	1~230 V 50 Hz	3.0	12
CG06	5.82	7.7	1.8	1 x 350	D	2,300	150	0.7	38	1~230 V 50 Hz	3.0	14
CG07	7.17	10.7	2.4	1 x 350	C	2,200	150	0.7	38	1~230 V 50 Hz	3.0	16
CG08	7.60	11.0	2.2	2 x 300	C	2,900	156	1.0	39	1~230 V 50 Hz	2.5	22
CG09	9.24	14.9	3.2	2 x 300	C	2,600	156	1.0	39	1~230 V 50 Hz	3.0	21
CG10	9.36	13.4	3.0	1 x 400	C	3,000	150	0.7	36	1~230 V 50 Hz	3.0	19
CG11	10.80	16.1	3.5	1 x 400	B	3,300	150	0.7	36	1~230 V 50 Hz	3.0	21
CG12	11.68	15.3	3.3	2 x 350	D	4,600	300	1.4	41	1~230 V 50 Hz	3.0	27
CG13	12.76	25.2	5.3	1 x 400	B	3,000	150	0.7	36	1~230 V 50 Hz	3.0	25
CG14	14.38	21.4	4.4	2 x 350	C	4,400	300	1.4	41	1~230 V 50 Hz	3.0	29
CG18	18.95	36.0	6.3	1 x 450	D	4,150	460	1.0	43	3~400 V 50 Hz	2.5	34
CG19	18.80	26.9	5.5	2 x 400	C	6,000	300	1.3	39	1~230 V 50 Hz	3.0	35
CG21	21.49	29.4	5.4	1 x 500	E	8,000	720	1.4	45	3~400 V 50 Hz	2.5	46
CG22	21.60	32.2	6.5	2 x 400	B	6,600	300	1.3	39	1~230 V 50 Hz	3.0	39
CG25	25.53	50.5	9.8	2 x 400	B	6,000	300	1.3	39	1~230 V 50 Hz	3.0	46
CG26	25.79	41.1	7.2	1 x 500	D	8,000	720	1.4	47	3~400 V 50 Hz	2.5	50
CG30	29.81	46.0	7.8	2 x 450	E	9,500	920	1.9	46	3~400 V 50 Hz	2.5	51
CG31	31.33	64.3	10.8	1 x 500	D	7,300	720	1.4	47	3~400 V 50 Hz	2.5	59
CG36	36.07	72.0	11.7	2 x 450	E	8,600	920	1.9	46	3~400 V 50 Hz	2.5	58
CG47	46.95	69.3	10.2	2 x 500	E	16,000	1,440	2.8	50	3~400 V 50 Hz	2.1	96
CG52	51.59	82.1	13.6	2 x 500	D	16,000	1,440	2.8	50	3~400 V 50 Hz	2.5	98
CG63	62.66	128.6	20.4	2 x 500	D	14,600	1,440	2.8	50	3~400 V 50 Hz	2.5	111



CG | COMMON DATA

Model	Connections		Dimensions (mm)				
	IN	OUT	A	C	H	G	F
CG05	17 mm	17 mm	483.0	442.0	370.0	179.5	300.0
CG06	17 mm	17 mm	587.0	542.0	420.0	179.5	325.0
CG07	17 mm	17 mm	585.0	542.0	420.0	179.5	325.0
CG08	17 mm	17 mm	1,083.0	1,042.0	420.0	179.5	325.0
CG09	17 mm	17 mm	883.0	842.0	370.0	179.5	300.0
CG10	24 mm	24 mm	596.0	542.0	520.0	179.5	395.0
CG11	24 mm	24 mm	690.0	642.0	520.0	179.5	395.0
CG12	17 mm	17 mm	1,087.0	1,042.0	420.0	179.5	325.0
CG13	24 mm	24 mm	690.0	642.0	520.0	179.5	395.0
CG14	17 mm	17 mm	1,087.0	1,042.0	420.0	179.5	325.0
CG18	1-1/8"	7/8"	696.0	660.0	620.0	179.5	455.0
CG19	7/8"	5/8"	1,092.0	1,042.0	520.0	179.5	395.0
CG21	1-1/8"	7/8"	910.0	842.0	821.0	179.5	470.0
CG22	1-1/8"	7/8"	1,300.0	1,242.0	520.0	179.5	395.0
CG25	1-1/8"	7/8"	1,300.0	1,242.0	520.0	179.5	395.0
CG26	1-1/8"	7/8"	910.0	842.0	821.0	179.5	470.0
CG30	1-1/8"	7/8"	1,300.0	1242.0	620.0	179.5	455.0
CG31	1-1/8"	7/8"	910.0	842.0	822.0	179.5	470.0
CG36	1-1/8"	7/8"	1,300.0	1,242.0	620.0	179.5	455.0
CG47	1-1/8"	7/8"	1,710.0	1,642.0	822.0	179.5	470.0
CG52	1-1/8"	7/8"	1,710.0	1,642.0	822.0	179.5	470.0
CG63	1-1/8"	7/8"	1,710.0	1,642.0	822.0	179.5	470.0





FRAME MOUNTED CG | COMMON DATA

CG frame-mounted (dimensions)	A	F	H	Models
CG1 frame-mounted	1,187.0	1,005.0	522.0	CG08 CG12 CG14
CG2 frame-mounted	1,187.0	1,005.0	722.0	CG19
CG3 frame-mounted	1,387.0	1,005.0	722.0	CG22 CG25
CG4 frame-mounted	1,387.0	1,005.0	722.0	CG30 CG36
CG5 frame-mounted	1,822.0	1,005.0	920.0	CG47 CG52 CG63

I-CO-06.5-CG

Range HCM

AXIAL CONDENSERS

Operating range
23 - 180 kW

EC Motor

- Can be mounted horizontally or vertically
- Extensive range of fans that offer numerous options
- Designed for outdoor use
- Floating coil, avoiding the leaks caused by expansion and vibrations

Features

Coil: Made with a copper tube in a staggered arrangement. Aluminium fins with turbulators for improved performance. Coil installed in a floating system to dampen vibrations and prevent breakage due to material fatigue.

Body: Made of galvanised and pre-lacquered steel sheets. With dividers between fans to avoid the bypass airflow effect, elbow area and collectors protected by metal enclosure.

Fans: External rotor, 380/415 V-50 Hz, with built-in class F, IP54-rated thermal protector. 500 mm and 630 mm diameters, two speeds, 4-, 6- and 8-pole. Voltages available: 400V/III/60Hz / 230V/III/50Hz / 230V/III/60Hz.

Options

- Mounted horizontally or vertically. Feet available as an accessory
- Multi-circuit option
- Protective vinyl coating or Blygold on fins
- Motors connected to an IP54-rated junction box

NOMENCLATURE (HCM47MXV)

HCM	47	M	X	Y
Range	Model	Motor type T = 3-phase, 4-pole S = silent, 3-phase, 6-pole SS = ultra-silent. 3-phase, 8-pole M = single-phase E = electric ES = silent electric	Connection type X = delta Y = star Ø = no connection C = connected	Type of mounting V = vertical H = horizontal Ø = not mounted

Technical data

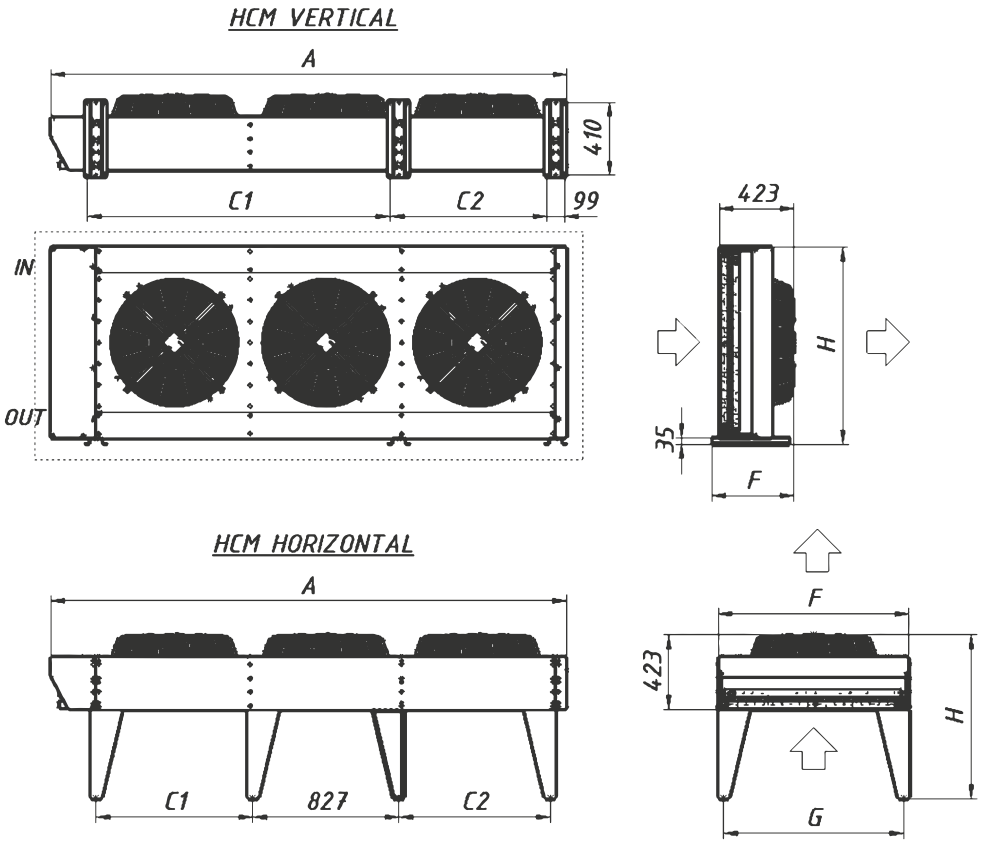
4-pole model (T)	Capacity EN327 (TD15)		Energy class	4-pole fans (1400/1100 rpm)								
				No. x Ø	X				Y			
	X (kW)	Y (kW)			m³/h	kW	A	dB(A) (10m)	m³/h	kW	A	dB(A) (10m)
HCM47T	47.3	43.2	D	2x500	15,800	1.4	2.8	47	13,800	1.1	1.8	44
HCM52T	53.5	48.3	D	2x500	15,000	1.4	2.8	47	13,000	1.1	1.8	44
HCM60T	58.7	53.2	D	2x500	15,800	1.4	2.8	47	13,800	1.1	1.8	44
HCM63T	59.8	53.6	D	2x500	13,800	1.4	2.8	47	12,000	1.1	1.8	44
HCM65T	64.1	59.1	C	2x500	14,400	1.4	2.8	47	13,000	1.1	1.8	44
HCM68T	67.0	58.0	E	2x630	31,000	3.9	6.8	52	25,000	2.6	4.2	45
HCM89T	85.0	72.5	E	2x630	30,000	3.9	6.8	52	23,500	2.6	4.2	45
HCM92T	99.0	83.0	E	2x630	29,000	3.9	6.8	52	22,500	2.6	4.2	45
HCM103T	105.0	86.5	E	2x630	27,500	3.9	6.8	52	21,000	2.6	4.2	45
HCM116T	109.2	89.3	E	2x630	27,000	3.9	6.8	52	20,500	2.6	4.2	45
HCM125T	118.0	102.2	E	3x630	43,000	5.9	10.2	54	34,000	3.9	6.3	47
HCM129T	132.0	112.0	E	3x630	41,000	5.9	10.2	54	31,500	3.9	6.3	47
HCM150T	149.3	127.5	E	3x630	43,800	5.9	10.2	54	34,500	3.9	6.3	47
HCM151T	163.7	136.2	E	3x630	42,600	5.9	10.2	54	33,000	3.9	6.3	47
HCM172T	171.8	140.6	E	3x630	40,800	5.9	10.2	54	31,500	3.9	6.3	47

6-pole model (S)	Capacity EN327 (TD15)		Energy class	6-pole fans (900/700 rpm)								
				No. x Ø	X				Y			
	X (kW)	Y (kW)			m³/h	kW	A	dB(A) (10m)	m³/h	kW	A	dB(A) (10m)
HCM47S	35.5	32	C	2x500	10,400	0.5	1.3	39	9,000	0.4	0.6	34
HCM52S	38.9	35.2	B	2x500	9,800	0.5	1.3	39	8,600	0.4	0.6	34
HCM63S	42.1	37.3	B	2x500	9,000	0.5	1.3	39	7,800	0.4	0.6	34
HCM60S	42.9	38.2	B	2x500	10,400	0.5	1.3	39	9,000	0.4	0.6	34
HCM65S	46.6	39.9	B	2x500	9,800	0.5	1.3	39	8,200	0.4	0.6	34
HCM68S	51.4	44.7	C	2x630	20,500	1.2	2.4	41	16,500	0.8	1.4	35
HCM89S	63.8	55	C	2x630	20,500	1.2	2.4	41	15,800	0.8	1.4	35
HCM92S	73.5	61.4	C	2x630	19,000	1.2	2.4	41	15,000	0.8	1.4	35
HCM103S	76.9	64.8	C	2x630	18,000	1.2	2.4	41	14,500	0.8	1.4	35
HCM116S	78.9	65.8	C	2x630	17,500	1.2	2.4	41	14,000	0.8	1.4	35
HCM125S	90	78.8	C	3x630	28,000	1.8	3.6	43	23,000	1.2	2.0	36
HCM129S	100.8	84.2	C	3x630	27,000	1.8	3.6	43	21,000	1.2	2.0	36
HCM150S	111.4	95.4	C	3x630	28,500	1.8	3.6	43	23,100	1.2	2.0	36
HCM151S	118.9	99.2	C	3x630	27,600	1.8	3.6	43	22,000	1.2	2.0	36
HCM172S	121.8	100.4	C	3x630	26,400	1.8	3.6	43	21,000	1.2	2.0	36

8-pole model (SS)	Capacity EN327 (TD15)		Energy class	8-pole fans (700/500 rpm)								
				No. x Ø	X				Y			
	X (kW)	Y (kW)			m³/h	kW	A	dB(A) (10m)	m³/h	kW	A	dB(A) (10m)
HCM47SS	27.7	23.5	B	2x500	7,400	0.3	0.6	32	6,000	0.2	0.2	26
HCM52SS	29.8	25.3	A	2x500	7,000	0.3	0.6	32	5,600	0.2	0.2	26
HCM60SS	32.6	27.6	A	2x500	7,400	0.3	0.6	32	6,000	0.2	0.2	26
HCM63SS	31.9	25.4	A	2x500	6,500	0.3	0.6	32	5,000	0.2	0.2	26
HCM65SS	34.8	27.7	A	2x500	7,000	0.3	0.6	32	5,400	0.2	0.2	26
HCM68SS	37.7	32.9	B	2x630	12,800	0.5	1.1	33	10,500	0.3	0.5	27
HCM89SS	46.2	39.0	B	2x630	12,500	0.5	1.1	33	10,000	0.3	0.5	27
HCM92SS	51.5	42.5	B	2x630	12,000	0.5	1.1	33	9,500	0.3	0.5	27
HCM103SS	51.5	43.3	B	2x630	11,000	0.5	1.1	33	9,000	0.3	0.5	27
HCM116SS	53.6	44.4	A	2x630	11,000	0.5	1.1	33	8,900	0.3	0.5	27
HCM125SS	66.0	54.7	B	3x630	18,000	0.7	1.7	34	14,000	0.4	0.8	28
HCM129SS	71.7	59.7	B	3x630	17,000	0.7	1.7	34	13,500	0.4	0.8	28
HCM150SS	78.4	65.3	A	3x630	18,000	0.7	1.7	34	14,400	0.4	0.8	28
HCM151SS	81.6	66.8	A	3x630	17,400	0.7	1.7	34	13,800	0.4	0.8	28
HCM172SS	82.6	67.0	A	3x630	16,800	0.7	1.7	34	13,200	0.4	0.8	28

Electric model (E)	Capacity EN327 (TD15)			Energy class	Electric fans (up to 1770 rpm for Ø500 / up to 1230 rpm for Ø630)									
					No. x Ø	Max. power				35 dB(A) (10m)			45 dB(A) (10m)		
	Max. power (kW)	35 dB(A) (10m)	45 dB(A) (10m)			m³/h	kW	A	dB(A) (10m)	m³/h	kW	A	m³/h	kW	A
HCM47E	54.4	30.6	42.3	C	2x500	20,000	2.2	3.6	54	8,500	0.3	0.4	13,500	0.7	1.1
HCM52E	62.6	31.8	48.0	C	2x500	19,000	2.4	3.8	52	7,600	0.3	0.5	13,000	0.7	1.2
HCM60E	69.3	34.0	52.1	C	2x500	20,200	2.2	3.6	52	7,800	0.3	0.5	13,300	0.7	1.2
HCM63E	72.2	33.9	52.0	C	2x500	17,800	2.4	3.9	52	7,000	0.3	0.5	11,600	0.8	1.2
HCM65E	79.4	37.4	57.2	C	2x500	19,000	2.4	3.8	52	7,600	0.3	0.5	12,500	0.8	1.2
HCM68E	66.1	38.8	50.0	E	2x630	32,000	3.1	4.6	53	13,500	0.2	0.3	20,000	0.8	1.3
HCM89E	84.6	47.4	62.2	E	2x630	30,200	3.2	4.8	52	13,000	0.3	0.4	19,000	0.9	1.3
HCM92E	98.2	51.3	70.8	D	2x630	29,000	3.2	4.9	52	12,000	0.3	0.4	18,200	0.9	1.4
HCM103E	105.2	53.4	75.0	D	2x630	27,800	3.3	5.0	52	11,500	0.3	0.4	17,500	0.9	1.4
HCM116E	108.9	53.6	76.3	D	2x630	27,000	3.4	5.2	53	11,000	0.3	0.4	16,800	0.9	1.4
HCM125E	117.6	61.7	83.9	E	3x630	43,500	4.8	7.4	54	16,500	0.2	0.3	25,500	1.1	1.7
HCM129E	132.4	67.4	94.4	E	3x630	41,700	5.0	7.5	54	15,750	0.2	0.3	24,750	1.1	1.7
HCM150E	149.3	74.1	104.6	E	3x630	44,250	5.1	7.8	55	16,800	0.2	0.3	26,250	1.1	1.6
HCM151E	162.4	78.0	110.6	D	3x630	42,300	5.0	7.5	54	16,500	0.2	0.3	25,200	1.1	1.7
HCM172E	172.6	78.2	113.6	D	3x630	41,250	5.0	7.5	54	15,750	0.2	0.3	24,300	1.1	1.7

Silent electric model (ES)	Capacity EN327 (TD15)			Energy class	Silent electric fans (up to 1140 rpm)										
	Max. power (kW)	35 dB(A) (10m)	45 dB(A) (10m)		No. x Ø	Max. power				35 dB(A) (10m)			45 dB(A) (10m)		
						m³/h	kW	A	dB(A) (10m)	m³/h	kW	A	m³/h	kW	A
HCM68ES	57.6	42.6	54.5	B	2x630	25,200	1.5	2.4	48	15,500	0.4	0.8	23,000	1.1	1.7
HCM89ES	73.9	51.3	68.8	B	2x630	24,500	1.5	2.5	47	14,500	0.4	0.8	22,000	1.3	2.1
HCM92ES	85.4	58.0	79.9	B	2x630	23,600	1.6	2.6	47	14,000	0.4	0.8	21,500	1.3	2.1
HCM103ES	90.9	61.0	86.2	B	2x630	22,600	1.7	2.7	47	13,500	0.4	0.9	21,000	1.3	2.2
HCM116ES	95.5	61.8	87.4	A	2x630	22,500	1.7	2.7	47	13,000	0.4	0.9	20,000	1.5	2.4
HCM125ES	103.9	69.6	92	A	3x630	35,400	2.4	3.9	49	19,500	0.5	1.0	29,250	1.4	2.5
HCM129ES	116.6	77.1	104.1	A	3x630	33,900	2.5	4.0	49	18,750	0.5	1.0	28,500	1.4	2.5
HCM150ES	130.6	83.4	115.1	A	3x630	36,000	2.4	3.8	49	19,500	0.5	1.0	30,000	1.3	2.4
HCM151ES	141.4	86.9	122.7	A	3x630	34,800	2.5	3.9	49	18,750	0.5	1.0	28,800	1.4	2.5
HCM172ES	147.7	89.1	126.7	A	3x630	33,600	2.5	4.0	49	18,300	0.5	1.1	27,750	1.4	2.5



Model	Area (m^2)	Volume (dm^3)	Connections		Weight (kg)	Dimensions										
						HCM vertical					HCM horizontal					
			IN (inches)	OUT (inches)		A (mm)	F (mm)	H (mm)	C1 (mm)	C2 (mm)	A (mm)	F (mm)	H (mm)	G (mm)	C1 (mm)	C2 (mm)
HCM47	61.8	10.4	1-1/8"	7/8"	95	1,920	468	865	1,600	-	1,920	830	925	770	1,570	-
HCM52	82.4	13.9	1-3/8"	1-1/8"	105	1,920	468	865	1,600	-	1,920	830	925	770	1,570	-
HCM63	123.7	20.8	1-3/8"	1-1/8"	120	1,920	468	865	1,600	-	1,920	830	925	770	1,570	-
HCM60	97.9	16.5	1-3/8"	1-1/8"	115	2,220	468	865	1,900	-	2,220	830	925	770	1,870	-
HCM65	146.7	24.5	1-3/8"	1-1/8"	140	2,220	468	865	1,900	-	2,220	830	925	770	1,870	-
HCM68	68.0	11.3	1-1/8"	7/8"	160	2,320	466	1,115	2,000	-	2,320	1,080	925	1,020	1,970	-
HCM89	101.0	16.9	1-3/8"	1-1/8"	165	2,320	466	1,115	2,000	-	2,320	1,080	925	1,020	1,970	-
HCM92	135.0	22.8	1-3/8"	1-1/8"	172	2,320	466	1,115	2,000	-	2,320	1,080	925	1,020	1,970	-
HCM103	170.0	28.5	1-3/8"	1-1/8"	180	2,320	466	1,115	2,000	-	2,320	1,080	925	1,020	1,970	-
HCM116	203.0	34.2	1-3/8"	1-1/8"	190	2,320	466	1,115	2,000	-	2,320	1,080	925	1,020	1,970	-
HCM125	132.0	22.3	1-3/8"	1-1/8"	220	2,920	466	1,115	1,714	887	2,920	1,080	925	1,020	887	857
HCM129	176.0	29.7	1-3/8"	1-1/8"	225	2,920	466	1,115	1,714	887	2,920	1,080	925	1,020	887	857
HCM150	217.7	36.7	1-5/8"	1-3/8"	270	2,920	466	1,365	1,714	887	2,920	1,330	925	1,270	887	857
HCM151	271.8	45.2	1-5/8"	1-3/8"	280	2,920	466	1,365	1,714	887	2,920	1,330	925	1,270	887	857
HCM172	326.5	55.1	2-1/8"	1-5/8"	290	2,920	466	1,365	1,714	887	2,920	1,330	925	1,270	887	857

I-CO-29.1-HCM

Range CRH

AXIAL CONDENSERS

Operating range

44 - 1,023 kW

EC Motor

- Silent fans with high energy efficiency
- Designed specifically for industrial use
- Wide range of models with power up to 1,000 kW
- Floating coil, avoiding the leaks caused by expansion and vibrations

Features

Coil: Made with a copper tube in a staggered arrangement. Aluminium fins with turbulators for improved performance. Coil installed in a floating system to dampen vibrations and prevent breakage due to material fatigue.

Body: Made of galvanised steel sheets and painted white with oven-polymerised epoxy polyester, stainless steel fasteners and clamping rings on the side plates and coil dividers where the copper tube is supported, enabling expansion without any breakage due to material fatigue. The condenser is supplied on steel skids that are strategically positioned for ease of transport.

Fans: External rotor, three-phase 380/415 V-50 Hz, with class F, IP54-rated thermal protector. With different speed options that ensure a very broad operating range and range of noise levels. EC electric motors with two power options, for applications where you do not want to exceed a certain noise level. Condensers with EC fans are supplied wired in series.

Options

- Multi-circuits
- Coil fins treated with vinyl coating or Blygold
- Special voltage fans:
  400V/III/60Hz / 230V/III/50Hz. / 230V/III/60Hz.
- Fans connected to a terminal box with IP54 protection
- Packed in a wooden crate

NOMENCLATURE (CRH906NX2P)

CRH	9	06	N	X	2	P
Range	Fan diameter 8 = Ø800 mm 9 = Ø900 mm	No. fans 1 to 12	Motor type HP = high power 6-pole NP = normal power 6-pole UN = ultra-silent 8-pole US = ultra-silent 12-pole EC = electric ES = silent electric	Connection type X = delta Y = star C = connected electric motors Ø = no connection	Coil type 2 / 3 / 4	Motor arrangement F = in a line P = parallel

Technical data

Ø800	Capacity EN 327 TD15 (kW)		No. x Ø	Fan arrangement	Energy class	6-pole fans (900-750 rpm) ErP2015						Noise level dB(A) (10m)		Area (m^2)	Volume (dm^3)
						m^3/h		kW		Amp.					
Model	X	Y				X	Y	X	Y	X	Y	X	Y		
CRH801HP2F	48.3	43.4	1	•	E	23,000	18,500	1.7	1.2	3.1	2.1	48	42	116	9.8
CRH801HP3F	62.7	55.1	1	•	D	22,250	17,750	1.8	1.2	3.2	2.1	48	42	174	14.7
CRH801HP4F	73.1	62.9	1	•	D	21,500	17,000	1.8	1.3	3.3	2.2	48	42	232	19.6
CRH802HP2F	96.6	86.7	2	••	E	46,000	37,000	3.4	2.4	6.3	4.2	51	45	232	18.9
CRH802HP2P	96.6	86.7	2	:	E	46,000	37,000	3.4	2.4	6.3	4.2	51	45	232	18.9
CRH802HP3F	125.4	110.1	2	••	D	44,500	35,500	3.5	2.4	6.5	4.2	51	45	347	28.4
CRH802HP3P	125.4	110.1	2	:	D	44,500	35,500	3.5	2.4	6.5	4.2	51	45	347	28.4
CRH802HP4F	146.2	125.7	2	••	D	43,000	34,000	3.6	2.5	6.6	4.3	51	45	463	37.9
CRH802HP4P	146.2	125.7	2	:	D	43,000	34,000	3.6	2.5	6.6	4.3	51	45	463	37.9
CRH803HP2F	144.9	130.1	3	•••	E	69,000	55,500	5.1	3.6	9.4	6.2	53	47	347	28.1
CRH803HP3F	188.1	165.2	3	•••	D	66,750	53,250	5.3	3.7	9.7	6.3	53	47	521	42.1
CRH803HP4F	219.3	188.6	3	•••	D	64,500	51,000	5.4	3.8	10.0	6.5	53	47	695	56.2
CRH804HP2F	193.2	173.5	4	••••	E	92,000	74,000	6.8	4.8	12.5	8.3	54	48	463	37.2
CRH804HP2P	193.2	173.5	4	::	E	92,000	74,000	6.8	4.8	12.5	8.3	54	48	463	37.2
CRH804HP3F	250.8	220.2	4	••••	D	89,000	71,000	7.0	4.9	12.9	8.4	54	48	695	55.8
CRH804HP3P	250.8	220.2	4	::	D	89,000	71,000	7.0	4.9	12.9	8.4	54	48	695	55.8
CRH804HP4F	292.3	251.4	4	••••	D	86,000	68,000	7.2	5.0	13.3	8.6	54	48	927	74.4
CRH804HP4P	292.3	251.4	4	::	D	86,000	68,000	7.2	5.0	13.3	8.6	54	48	927	74.4
CRH805HP2F	241.4	216.9	5	•••••	E	115,000	92,500	8.5	6.0	15.7	10.4	55	49	579	46.3
CRH805HP3F	313.6	275.3	5	•••••	D	111,250	88,750	8.8	6.1	16.2	10.6	55	49	869	69.5
CRH805HP4F	365.4	314.3	5	•••••	D	107,500	85,000	9.0	6.3	16.6	10.8	55	49	1,158	92.6
CRH806HP2F	289.7	260.2	6	••••••	E	138,000	111,000	10.2	7.2	18.8	12.5	56	50	695	55.4
CRH806HP2P	289.7	260.2	6	:::	E	138,000	111,000	10.2	7.2	18.8	12.5	56	50	695	55.4
CRH806HP3F	376.3	330.3	6	••••••	D	133,500	106,500	10.5	7.3	19.4	12.7	56	50	1,042	83.2
CRH806HP3P	376.3	330.3	6	:::	D	133,500	106,500	10.5	7.3	19.4	12.7	56	50	1,042	83.2
CRH806HP4F	438.5	377.1	6	••••••	D	129,000	102,000	10.8	7.5	19.9	13.0	56	50	1,390	110.9
CRH806HP4P	438.5	377.1	6	:::	D	129,000	102,000	10.8	7.5	19.9	13.0	56	50	1,390	110.9
CRH808HP2P	386.3	347.0	8	::::	E	184,000	148,000	13.6	9.6	25.0	16.6	57	51	927	74.4
CRH808HP3P	501.7	440.4	8	::::	D	178,000	142,000	14.0	9.8	25.8	16.9	57	51	1,390	111.6
CRH808HP4P	584.7	502.8	8	::::	D	172,000	136,000	14.4	10.0	26.6	17.3	57	51	1,854	148.8
CRH810HP2P	482.9	433.7	10	:::::	E	230,000	185,000	17.0	12.0	31.3	20.8	58	52	1,158	92.6
CRH810HP3P	627.1	550.5	10	:::::	D	222,500	177,500	17.5	12.2	32.3	21.1	58	52	1,738	139.0
CRH810HP4P	730.9	628.5	10	:::::	D	215,000	170,000	18.0	12.5	33.2	21.6	58	52	2,316	185.3
CRH812HP2P	579.5	520.5	12	::::::	E	276,000	222,000	20.4	14.4	37.6	25.0	59	53	1,360	110.9
CRH812HP3P	752.5	660.6	12	::::::	D	267.000	213,000	21.0	14.6	38.8	25.3	59	53	2,084	166.3
CRH812HP4P	877.0	754.2	12	::::::	D	258,000	204,000	21.6	15.0	39.8	25.9	59	53	2,780	221.8

Ø800	Capacity EN 327 TD15 (kW)		No. x Ø	Fan arrangement	Energy class	6-pole fans (900-750 rpm) ErP2015						Noise level dB(A) (10m)		Area (m^2)	Volume (dm^3)
						m^3/h		kW		Amp.					
Model	X	Y				X	Y	X	Y	X	Y	X	Y		
CRH901NP2F	52.8	47.8	1.0	•	E	28,000	22,500	2.1	1.4	4.7	2.7	48	42	116	9.8
CRH901NP3F	68.8	60.7	1.0	•	D	26,500	21,000	2.2	1.5	4.8	2.8	48	42	174	14.7
CRH901NP4F	80.4	69.3	1.0	•	D	25,250	19,750	2.3	1.5	4.9	2.9	48	42	232	19.6
CRH902NP2F	105.6	95.6	2.0	••	E	56,000	45,000	4.2	2.8	9.4	5.4	51	45	232	18.9
CRH902NP2P	105.6	95.6	2.0	:	E	56,000	45,000	4.2	2.8	9.4	5.4	51	45	232	18.9
CRH902NP3F	137.6	121.4	2.0	••	D	53,000	42,000	4.4	2.9	9.6	5.6	51	45	347	28.4
CRH902NP3P	137.6	121.4	2.0	:	D	53,000	42,000	4.4	2.9	9.6	5.6	51	45	347	28.4
CRH902NP4F	160.8	138.6	2.0	••	D	50,500	39,500	4.5	3.0	9.8	5.7	51	45	463	37.9
CRH902NP4P	160.8	138.6	2.0	:	D	50,500	39,500	4.5	3.0	9.8	5.7	51	45	463	37.9
CRH903NP2F	158.4	143.4	3.0	•••	E	84,000	67,500	6.3	4.3	14.1	8.1	53	47	347	28.1
CRH903NP3F	206.5	182.2	3.0	•••	D	79,500	63,000	6.6	4.4	14.4	8.4	53	47	521	42.1
CRH903NP4F	241.2	208.0	3.0	•••	D	75,750	59,250	6.8	4.5	14.7	8.6	53	47	695	56.2
CRH904NP2F	211.2	191.2	4.0	••••	E	112,000	90,000	8.4	5.7	18.8	10.8	54	48	463	37.2
CRH904NP2P	211.2	191.2	4.0	::	E	112,000	90,000	8.4	5.7	18.8	10.8	54	48	463	37.2
CRH904NP3F	275.3	242.9	4.0	••••	D	106,000	84,000	8.8	5.9	19.2	11.2	54	48	695	55.8
CRH904NP3P	275.3	242.9	4.0	::	D	106,000	84,000	8.8	5.9	19.2	11.2	54	48	695	55.8
CRH904NP4F	321.6	277.3	4.0	••••	D	101,000	79,000	9.0	6.0	19.6	11.4	54	48	927	74.4
CRH904NP4P	321.6	277.3	4.0	::	D	101,000	79,000	9.0	6.0	19.6	11.4	54	48	927	74.4
CRH905NP2F	264.0	239.0	5.0	•••••	E	140,000	112,500	10.5	7.1	23.5	13.5	55	49	579	46.3
CRH905NP3F	344.1	303.6	5.0	•••••	D	132,500	105,000	11.0	7.4	24.0	14.0	55	49	869	69.5
CRH905NP4F	402.0	346.6	5.0	•••••	D	126,250	98,750	11.3	7.5	24.5	14.3	55	49	1,158	92.6
CRH906NP2F	316.9	286.7	6.0	••••••	E	168,000	135,000	12.6	8.5	28.2	16.2	56	50	695	55.4
CRH906NP2P	316.9	286.7	6.0	:::	E	168,000	135,000	12.6	8.5	28.2	16.2	56	50	695	55.4
CRH906NP3F	412.9	364.3	6.0	••••••	D	159,000	126,000	13.2	8.8	28.8	16.8	56	50	1,042	83.2
CRH906NP3P	412.9	364.3	6.0	:::	D	159,000	126,000	13.2	8.8	28.8	16.8	56	50	1,042	83.2
CRH906NP4F	482.4	415.9	6.0	••••••	D	151,500	118,500	13.6	9.0	29.4	17.1	56	50	1,390	110.9
CRH906NP4P	482.4	415.9	6.0	:::	D	151,500	118,500	13.6	9.0	29.4	17.1	56	50	1,390	110.9
CRH908NP2P	422.5	382.3	8.0	::::	E	224,000	180,000	16.8	11.4	37.6	21.6	57	51	927	74.4
CRH908NP3P	550.6	485.8	8.0	::::	D	212,000	168,000	17.6	11.8	38.4	22.4	57	51	1,390	111.6
CRH908NP4P	643.2	554.6	8.0	::::	D	202,000	158,000	18.1	12.0	39.2	22.8	57	51	1,854	148.8
CRH910NP2P	528.1	477.9	10.0	:::::	E	280,000	225,000	21.0	14.2	47.0	27.0	58	52	1,158	92.6
CRH910NP3P	688.2	607.2	10.0	:::::	D	265,000	210,000	22.0	14.7	48.0	28.0	58	52	1,738	139
CRH910NP4P	804.0	693.2	10.0	:::::	D	252,500	197,500	22.6	15.0	49.0	28.5	58	52	2,316	185.3
CRH912NP2P	633.7	573.5	12.0	::::::	E	336,000	270,000	25.2	17.0	56.4	32.4	59	53	1,360	110.9
CRH912NP3P	825.8	728.7	12.0	::::::	D	318,000	252,000	26.4	17.6	57.6	33.6	59	53	2,084	166.3
CRH912NP4P	964.8	831.8	12.0	::::::	D	303,000	237,000	27.1	18.0	58.8	34.2	59	53	2,780	221.8

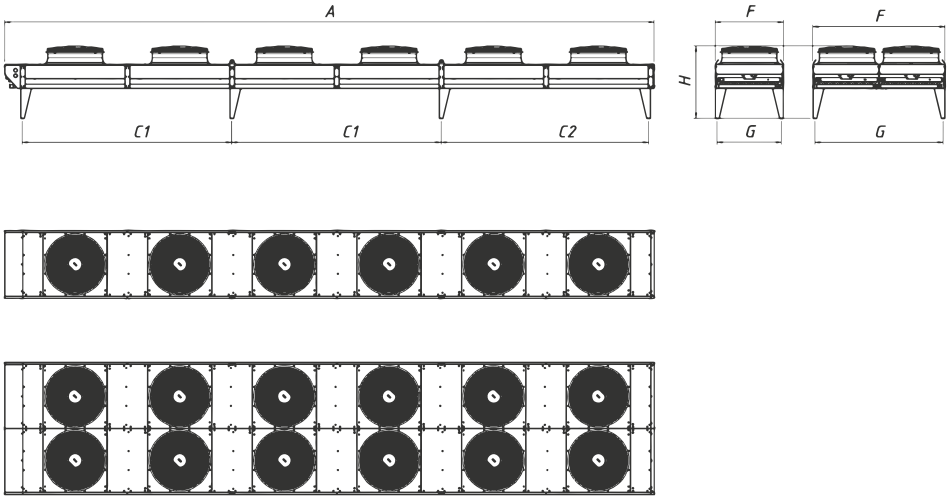
Ø800	Capacity EN 327 TD15 (kW)		No. x Ø	Fan arrangement	Energy class	6-pole fans (900-750 rpm) ErP2015						Noise level dB(A) (10m)		Area (m^2)	Volume (dm^3)
						m^3/h		kW		Amp.					
Model	X	Y				X	Y	X	Y	X	Y	X	Y		
CRH901UN2F	44.0	40.1	1.0	•	C	19,000	15,750	0.7	0.5	2.2	1.0	42	36	116	9.8
CRH901UN3F	56.0	48.5	1.0	•	C	18,000	14,500	0.8	0.5	2.2	1.1	41	35	174	14.7
CRH901UN4F	63.0	54.2	1.0	•	C	17,250	13,750	0.8	0.5	2.2	1.1	40	34	232	19.6
CRH902UN2F	88.0	80.3	2.0	••	C	38,000	31,500	1.5	1.0	4.3	2.1	45	39	232	18.9
CRH902UN2P	88.0	80.3	2.0	:	C	38,000	31,500	1.5	1.0	4.3	2.1	45	39	232	18.9
CRH902UN3F	111.0	97.0	2.0	••	C	36,000	29,000	1.5	1.0	4.4	2.1	44	38	347	28.4
CRH902UN3P	111.0	97.0	2.0	:	C	36,000	29,000	1.5	1.0	4.4	2.1	44	38	347	28.4
CRH902UN4F	127.0	108.4	2.0	••	C	34,500	27,500	1.6	1.0	4.4	2.2	43	37	463	37.9
CRH902UN4P	127.0	108.4	2.0	:	C	34,500	27,500	1.6	1.0	4.4	2.2	43	37	463	37.9
CRH903UN2F	132.0	119.0	3.0	•••	C	57,000	47,250	2.2	1.4	6.5	3.1	47	41	347	28.1
CRH903UN3F	167.0	145.5	3.0	•••	C	54,000	43,500	2.3	1.5	6.6	3.2	46	40	521	42.1
CRH903UN4F	190.0	163.0	3.0	•••	C	51,750	41,250	2.4	1.5	6.7	3.3	45	39	695	56.2
CRH904UN2F	176.0	159.0	4.0	••••	C	76,000	63,000	2.9	1.9	8.6	4.2	48	42	463	37.2
CRH904UN2P	176.0	159.0	4.0	::	C	76,000	63,000	2.9	1.9	8.6	4.2	48	42	463	37.2
CRH904UN3F	222.0	194.1	4.0	••••	C	72,000	58,000	3.1	2.0	8.8	4.3	47	41	695	55.8
CRH904UN3P	222.0	194.1	4.0	::	C	72,000	58,000	3.1	2.0	8.8	4.3	47	41	695	55.8
CRH904UN4F	254.0	216.8	4.0	••••	C	69,000	55,000	3.2	2.0	8.9	4.4	46	40	927	74.4
CRH904UN4P	254.0	216.8	4.0	::	C	69,000	55,000	3.2	2.0	8.9	4.4	46	40	927	74.4
CRH905UN2F	220.0	199.0	5.0	•••••	C	95,000	78,750	3.6	2.4	10.8	5.2	49	43	579	46.3
CRH905UN3F	278.0	242.6	5.0	•••••	C	90,000	72,500	3.8	2.5	11.0	5.4	48	42	869	69.5
CRH905UN4F	317.0	271.0	5.0	•••••	C	86,250	68,750	4.1	2.6	11.1	5.5	47	41	1,158	92.6
CRH906UN2F	264.0	239.0	6.0	••••••	C	114,000	94,500	4.4	2.9	13.0	6.2	50	44	695	55.4
CRH906UN2P	264.0	239.0	6.0	:::	C	114,000	94,500	4.4	2.9	13.0	6.2	50	44	695	55.4
CRH906UN3F	333.0	291.1	6.0	••••••	C	108,000	87,000	4.6	3.0	13.1	6.4	49	43	1,042	83.2
CRH906UN3P	333.0	291.1	6.0	:::	C	108,000	87,000	4.6	3.0	13.1	6.4	49	43	1,042	83.2
CRH906UN4F	381.0	325.2	6.0	••••••	C	103,500	82,500	4.9	3.1	13.3	6.6	48	42	1,390	110.9
CRH906UN4P	381.0	325.2	6.0	:::	C	103,500	82,500	4.9	3.1	13.3	6.6	48	42	1,390	110.9
CRH908UN2P	352.0	318.0	8.0	::::	C	152,000	126,000	5.8	3.8	17.3	8.3	51	45	927	74.4
CRH908UN3P	444.0	388.1	8.0	::::	C	144,000	116,000	6.1	4.0	17.5	8.6	50	44	1,390	111.6
CRH908UN4P	508.0	433.6	8.0	::::	C	138,000	110,000	6.5	4.1	17.8	8.8	49	43	1,854	148.8
CRH910UN2P	440.0	398.0	10.0	:::::	C	190,000	157,500	7.3	4.8	21.6	10.4	52	46	1,158	92.6
CRH910UN3P	555.0	485.0	10.0	:::::	C	180,000	145,000	7.7	5.0	21.9	10.7	51	45	1,738	139
CRH910UN4P	635.0	542.0	10.0	:::::	C	172,500	137,500	8.1	5.1	22.2	11.0	50	44	2,316	185.3
CRH912UN2P	528.0	477.0	12.0	::::::	C	228,000	189,000	8.7	5.8	25.9	12.5	53	47	1,360	110.9
CRH912UN3P	666.0	582.2	12.0	::::::	C	216,000	174,000	9.2	5.9	26.3	12.8	52	46	2,084	166.3
CRH912UN4P	762.0	650.4	12.0	::::::	C	207,000	165,000	9.7	6.1	26.6	13.2	51	45	2,780	221.8

Ø800	Capacity EN 327 TD15 (kW)		No. x Ø	Fan arrangement	Energy class	6-pole fans (900-750 rpm) ErP2015						Noise level dB(A) (10m)		Area (m^2)	Volume (dm^3)
						m^3/h		kW		Amp.					
Model	X	Y				X	Y	X	Y	X	Y	X	Y		
CRH901US2F	35.7	30.4	1.0	•	B	13,000	10,000	0.4	0.2	1.1	0.5	29	22	116	9.8
CRH901US3F	44.0	35.0	1.0	•	A	12,500	9,000	0.4	0.2	1.1	0.5	29	22	174	14.7
CRH901US4F	47.5	36.5	1.0	•	A	11,500	8,250	0.4	0.2	1.1	0.5	29	22	232	19.6
CRH902US2F	71.3	60.8	2.0	••	B	26,000	20,000	0.7	0.4	2.2	0.9	32	25	232	18.9
CRH902US2P	71.3	60.8	2.0	:	B	26,000	20,000	0.7	0.4	2.2	0.9	32	25	232	18.9
CRH902US3F	88.0	70.1	2.0	••	A	25,000	18,000	0.7	0.4	2.2	0.9	32	25	347	28.4
CRH902US3P	88.0	70.1	2.0	:	A	25,000	18,000	0.7	0.4	2.2	0.9	32	25	347	28.4
CRH902US4F	94.9	73.1	2.0	••	A	23,000	16,500	0.7	0.4	2.2	0.9	32	25	463	37.9
CRH902US4P	94.9	73.1	2.0	:	A	23,000	16,500	0.7	0.4	2.2	0.9	32	25	463	37.9
CRH903US2F	107.0	91.2	3.0	•••	B	39,000	30,000	1.1	0.6	3.3	1.4	34	27	347	28.1
CRH903US3F	132.0	105.1	3.0	•••	A	37,500	27,000	1.1	0.6	3.3	1.4	34	27	521	42.1
CRH903US4F	142.4	109.6	3.0	•••	A	34,500	24,750	1.1	0.6	3.3	1.4	34	27	695	56.2
CRH904US2F	142.6	121.7	4.0	••••	B	52,000	40,000	1.5	0.8	4.4	1.8	35	28	463	37.2
CRH904US2P	142.6	121.7	4.0	::	B	52,000	40,000	1.5	0.8	4.4	1.8	35	28	463	37.2
CRH904US3F	176.0	140.1	4.0	••••	A	50,000	36,000	1.5	0.8	4.4	1.8	35	28	695	55.8
CRH904US3P	176.0	140.1	4.0	::	A	50,000	36,000	1.5	0.8	4.4	1.8	35	28	695	55.8
CRH904US4F	189.9	146.2	4.0	••••	A	46,000	33,000	1.5	0.8	4.4	1.8	35	28	927	74.4
CRH904US4P	189.9	146.2	4.0	::	A	46,000	33,000	1.5	0.8	4.4	1.8	35	28	927	74.4
CRH905US2F	178.3	152.1	5.0	•••••	B	65,000	50,000	1.9	1.0	5.5	2.3	36	29	579	46.3
CRH905US3F	220.0	175.2	5.0	•••••	A	62,500	45,000	1.9	1.0	5.5	2.3	36	29	869	69.5
CRH905US4F	237.4	182.7	5.0	•••••	A	57,500	41,250	1.9	1.0	5.5	2.3	36	29	1,158	92.6
CRH906US2F	214.0	182.5	6.0	••••••	B	78,000	60,000	2.2	1.2	6.6	2.8	37	30	695	55.4
CRH906US2P	214.0	182.5	6.0	:::	B	78,000	60,000	2.2	1.2	6.6	2.8	37	30	695	55.4
CRH906US3F	264.0	210.2	6.0	••••••	A	75,000	54,000	2.2	1.2	6.6	2.8	37	30	1,042	83.2
CRH906US3P	264.0	210.2	6.0	:::	A	75,000	54,000	2.2	1.2	6.6	2.8	37	30	1,042	83.2
CRH906US4F	284.8	219.3	6.0	••••••	A	69,000	49,500	2.2	1.2	6.6	2.8	37	30	1,390	110.9
CRH906US4P	284.8	219.3	6.0	:::	A	69,000	49,500	2.2	1.2	6.6	2.8	37	30	1,390	110.9
CRH908US2P	285.3	243.3	8.0	::::	B	104,000	80,000	3.0	1.6	8.8	3.7	38	31	927	74.4
CRH908US3P	352.0	280.3	8.0	::::	A	100,000	72,000	3.0	1.6	8.8	3.7	38	31	1,390	111.6
CRH908US4P	379.8	292.4	8.0	::::	A	92,000	66,000	3.0	1.6	8.8	3.7	38	31	1,854	148.8
CRH910US2P	356.6	304.2	10.0	:::::	B	130,000	100,000	3.7	2.0	11.0	4.6	39	32	1,158	92.6
CRH910US3P	439.9	350.3	10.0	:::::	A	125,000	90,000	3.7	2.0	11.0	4.6	39	32	1,738	139
CRH910US4P	474.7	365.4	10.0	:::::	A	115,000	82,500	3.7	2.0	11.0	4.6	39	32	2,316	185.3
CRH912US2P	427.9	365.0	12.0	::::::	B	156,000	120,000	4.4	2.4	13.2	5.5	40	33	1,360	110.9
CRH912US3P	527.9	420.4	12.0	::::::	A	150,000	108,000	4.4	2.4	13.2	5.5	40	33	2,084	166.3
CRH912US4P	569.7	438.5	12.0	::::::	A	138,000	99,000	4.4	2.4	13.2	5.5	40	33	2,780	221.8

Ø910	Capacity EN 327 TD15 (kW)				No. x Ø	Fan arrangement	Energy class	Silent electric fans (0 to 650 rpm) ErP2015 Noise level dB(A) (10m)				Area (m^2)	Volume (dm^3)
Model	650	550	450	350				650	550	450	350		
CRH901ES2F	43.4	39.8	35.3	29.9	1	·	B	40	36	31	24	116	9.8
CRH901ES3F	55.1	49.1	42.8	35.7	1	·	B	40	36	31	24	174	14.7
CRH901ES4F	62.9	55.6	47.5	38.3	1	·	B	39	35	30	24	232	19.6
CRH902ES2F	86.7	79.6	70.5	59.9	2	··	B	43	39	34	27	232	18.9
CRH902ES2P	86.7	79.6	70.5	59.9	2	:	B	43	39	34	27	232	18.9
CRH902ES3F	110.1	98.1	85.6	71.4	2	··	B	43	39	34	27	347	28.4
CRH902ES3P	110.1	98.1	85.6	71.4	2	:	B	43	39	34	27	347	28.4
CRH902ES4F	125.7	111.2	94.9	76.7	2	··	B	42	38	33	27	463	37.9
CRH902ES4P	125.7	111.2	94.9	76.7	2	:	B	42	38	33	27	463	37.9
CRH903ES2F	130.1	119.4	105.8	89.8	3	···	B	45	41	36	29	347	28.1
CRH903ES3F	165.2	147.2	128.4	107.2	3	···	B	45	41	36	29	521	42.1
CRH903ES4F	188.6	166.8	142.4	115.0	3	···	B	44	40	35	29	695	56.2
CRH904ES2F	173.5	159.2	141.0	119.8	4	····	B	46	42	37	30	463	37.2
CRH904ES2P	173.5	159.2	141.0	119.8	4	::	B	46	42	37	30	463	37.2
CRH904ES3F	220.2	196.2	171.2	142.9	4	····	B	46	42	37	30	695	55.8
CRH904ES3P	220.2	196.2	171.2	142.9	4	::	B	46	42	37	30	695	55.8
CRH904ES4F	251.4	222.4	189.9	153.3	4	····	B	45	41	36	30	927	74.4
CRH904ES4P	251.4	222.4	189.9	153.3	4	::	B	45	41	36	30	927	74.4
CRH905ES2F	216.9	199.0	176.3	149.7	5	·····	B	47	43	38	31	579	46.3
CRH905ES3F	275.3	245.3	214.0	178.6	5	·····	B	47	43	38	31	869	69.5
CRH905ES4F	314.3	278.1	237.4	191.6	5	·····	B	46	42	37	31	1,158	92.6
CRH906ES2F	260.2	238.7	211.5	179.6	6	·····	B	48	44	39	32	695	55.4
CRH906ES2P	260.2	238.7	211.5	179.6	6	:::	B	48	44	39	32	695	55.4
CRH906ES3F	330.3	294.3	256.8	214.3	6	·····	B	48	44	39	32	1,042	83.2
CRH906ES3P	330.3	294.3	256.8	214.3	6	:::	B	48	44	39	32	1,042	83.2
CRH906ES4F	377.1	333.7	284.8	230.0	6	·····	B	47	43	38	32	1,390	110.9
CRH906ES4P	377.1	333.7	284.8	230.0	6	:::	B	47	43	38	32	1,390	110.9
CRH908ES2P	347.0	318.3	282.0	239.5	8	::::	B	49	45	40	33	927	74.4
CRH908ES3P	440.4	392.4	342.4	285.8	8	::::	B	49	45	40	33	1,390	111.6
CRH908ES4P	502.8	444.9	379.8	306.6	8	::::	B	48	44	39	33	1,854	148.8
CRH910ES2P	433.7	397.9	352.5	299.4	10	:::::	B	50	46	41	34	1,158	92.6
CRH910ES3P	550.5	490.5	428.0	357.2	10	:::::	B	50	46	41	34	1,738	139.0
CRH910ES4P	628.5	556.1	474.7	383.3	10	:::::	B	49	45	40	34	2,316	185.3
CRH912ES2P	520.5	477.5	423.0	359.3	12	::::::	B	51	47	42	35	1,360	110.9
CRH912ES3P	660.6	588.6	513.6	428.6	12	::::::	B	51	47	42	35	2,084	166.3
CRH912ES4P	754.2	667.3	569.7	459.9	12	::::::	B	50	46	41	35	2,780	221.8

Ø910	Silent electric fans (0 to 650 rpm) ErP2015											
	kW				Amp.				m^3/h			
Model	650	550	450	350	650	550	450	350	650	550	450	350
CRH901ES2F	0.6	0.3	0.2	0.1	1.0	0.6	0.3	0.2	18,500	15,750	12,750	9,750
CRH901ES3F	0.6	0.4	0.2	0.1	1.0	0.6	0.3	0.2	17,750	14,750	12,000	9,250
CRH901ES4F	0.6	0.4	0.2	0.1	1.1	0.6	0.4	0.2	17,000	14,250	11,500	8,750
CRH902ES2F	1.2	0.7	0.4	0.2	1.9	1.2	0.6	0.3	37,000	31,500	25,500	19,500
CRH902ES2P	1.2	0.7	0.4	0.2	1.9	1.2	0.6	0.3	37,000	31,500	25,500	19,500
CRH902ES3F	1.2	0.7	0.4	0.2	2.0	1.2	0.7	0.3	35,500	29,500	24,000	18,500
CRH902ES3P	1.2	0.7	0.4	0.2	2.0	1.2	0.7	0.3	35,500	29,500	24,000	18,500
CRH902ES4F	1.3	0.8	0.4	0.2	2.1	1.3	0.7	0.3	34,000	28,500	23,000	17,500
CRH902ES4P	1.3	0.8	0.4	0.2	2.1	1.3	0.7	0.3	34,000	28,500	23,000	17,500
CRH903ES2F	1.7	1.0	0.6	0.3	2.9	1.8	1.0	0.5	55,500	47,250	38,250	29,250
CRH903ES3F	1.8	1.1	0.6	0.3	3.0	1.9	1.0	0.5	53,250	44,250	36,000	27,750
CRH903ES4F	1.9	1.2	0.6	0.3	3.2	1.9	1.1	0.5	51,000	42,750	34,500	26,250
CRH904ES2F	2.3	1.4	0.8	0.4	3.9	2.4	1.3	0.6	74,000	63,000	51,000	39,000
CRH904ES2P	2.3	1.4	0.8	0.4	3.9	2.4	1.3	0.6	74,000	63,000	51,000	39,000
CRH904ES3F	2.4	1.5	0.8	0.4	4.0	2.5	1.4	0.6	71,000	59,000	48,000	37,000
CRH904ES3P	2.4	1.5	0.8	0.4	4.0	2.5	1.4	0.6	71,000	59,000	48,000	37,000
CRH904ES4F	2.6	1.5	0.8	0.4	4.2	2.6	1.4	0.7	68,000	57,000	46,000	35,000
CRH904ES4P	2.6	1.5	0.8	0.4	4.2	2.6	1.4	0.7	68,000	57,000	46,000	35,000
CRH905ES2F	2.9	1.7	1.0	0.5	4.9	3.0	1.6	0.8	92,500	78,750	63,750	48,750
CRH905ES3F	3.1	1.9	1.0	0.5	5.0	3.1	1.7	0.8	88,750	73,750	60,000	46,250
CRH905ES4F	3.2	1.9	1.1	0.5	5.3	3.2	1.8	0.9	85,000	71,250	57,500	43,750
CRH906ES2F	3.5	2.1	1.1	0.5	5.8	3.5	1.9	0.9	111,000	94,500	76,500	58,500
CRH906ES2P	3.5	2.1	1.1	0.5	5.8	3.5	1.9	0.9	111,000	94,500	76,500	58,500
CRH906ES3F	3.7	2.2	1.2	0.6	6.0	3.7	2.0	1.0	106,500	88,500	72,000	55,500
CRH906ES3P	3.7	2.2	1.2	0.6	6.0	3.7	2.0	1.0	106,500	88,500	72,000	55,500
CRH906ES4F	3.8	2.3	1.3	0.6	6.3	3.8	2.2	1.0	102,000	85,500	69,000	52,500
CRH906ES4P	3.8	2.3	1.3	0.6	6.3	3.8	2.2	1.0	102,000	85,500	69,000	52,500
CRH908ES2P	4.6	2.8	1.5	0.7	7.8	4.7	2.6	1.2	148,000	126,000	102,000	78,000
CRH908ES3P	4.9	3.0	1.6	0.8	8.0	5.0	2.7	1.3	142,000	118,000	96,000	74,000
CRH908ES4P	5.1	3.1	1.7	0.8	8.4	5.1	2.9	1.4	136,000	114,000	92,000	70,000
CRH910ES2P	5.8	3.5	1.9	0.9	9.7	5.9	3.2	1.5	185,000	157,500	127,500	97,500
CRH910ES3P	6.1	3.7	2.1	1.0	10.0	6.2	3.4	1.6	177,500	147,500	120,000	92,500
CRH910ES4P	6.4	3.9	2.1	1.0	10.5	6.4	3.6	1.7	170,000	142,500	115,000	87,500
CRH912ES2P	6.9	4.2	2.3	1.1	11.6	7.1	3.8	1.8	222,000	189,000	153,000	117,000
CRH912ES3P	7.3	4.4	2.5	1.2	12.0	7.4	4.1	1.9	213,000	177,000	144,000	111,000
CRH912ES4P	7.7	4.6	2.5	1.2	12.6	7.7	4.3	2.0	204,000	171,000	138,000	105,000

Ø910	Capacity EN 327 TD15 (kW)		No. x Ø	Fan arrangement	Energy class	EC electric fans (0 to 1000 rpm) ErP2015						Noise level dB(A) (10m)		Area (m^2)	Volume (dm^3)
						m^3/h		kW		Amp.					
Model	1,000	550				1,000	550	1,000	550	1,000	550	1,000	550		
CRH901EC2F	55.3	40.8	1	•	E	31,000	16,500	2.3	0.4	3.5	0.6	51	38	116	9.8
CRH901EC3F	72.7	51.1	1	•	E	29,500	15,750	2.5	0.4	3.8	0.6	51	38	174	14.7
CRH901EC4F	85.3	57.7	1	•	D	28,000	15,000	2.6	0.4	4.0	0.6	51	38	232	19.6
CRH902EC2F	110.5	81.6	2	••	E	62,000	33,000	4.6	0.8	7.0	1.2	54	41	232	18.9
CRH902EC2P	110.5	81.6	2	:	E	62,000	33,000	4.6	0.8	7.0	1.2	54	41	232	18.9
CRH902EC3F	145.3	102.3	2	••	E	59,000	31,500	5.0	0.8	7.6	1.2	54	41	347	28.4
CRH902EC3P	145.3	102.3	2	:	E	59,000	31,500	5.0	0.8	7.6	1.2	54	41	347	28.4
CRH902EC4F	170.5	115.3	2	••	D	56,000	30,000	5.2	0.8	8.0	1.3	54	41	463	37.9
CRH902EC4P	170.5	115.3	2	:	D	56,000	30,000	5.2	0.8	8.0	1.3	54	41	463	37.9
CRH903EC2F	165.8	122.5	3	•••	E	93,000	49,500	6.9	1.1	10.5	1.7	56	43	347	28.1
CRH903EC3F	218.0	153.4	3	•••	E	88,500	47,250	7.5	1.2	11.4	1.8	56	43	521	42.1
CRH903EC4F	255.8	173.0	3	•••	D	84,000	45,000	7.8	1.3	12.0	1.9	56	43	695	56.2
CRH904EC2F	221.1	163.3	4	••••	E	124,000	66,000	9.2	1.5	14.0	2.3	57	44	463	37.2
CRH904EC2P	221.1	163.3	4	::	E	124,000	66,000	9.2	1.5	14.0	2.3	57	44	463	37.2
CRH904EC3F	290.7	204.6	4	••••	E	118,000	63,000	10.0	1.6	15.2	2.4	57	44	695	55.8
CRH904EC3P	290.7	204.6	4	::	E	118,000	63,000	10.0	1.6	15.2	2.4	57	44	695	55.8
CRH904EC4F	341.0	230.7	4	••••	D	112,000	60,000	10.4	1.7	16.0	2.6	57	44	927	74.4
CRH904EC4P	341.0	230.7	4	::	D	112,000	60,000	10.4	1.7	16.0	2.6	57	44	927	74.4
CRH905EC2F	276.3	204.1	5	•••••	E	155,000	82,500	11.5	1.9	17.5	2.9	58	45	579	46.3
CRH905EC3F	363.4	255.7	5	•••••	E	147,500	78,750	12.5	2.0	19.0	3.1	58	45	869	69.5
CRH905EC4F	426.3	288.3	5	•••••	D	140,000	75,000	13.0	2.1	20.0	3.2	58	45	1,158	92.6
CRH906EC2F	331.6	244.9	6	••••••	E	186,000	99,000	13.8	2.3	21.0	3.5	59	46	695	55.4
CRH906EC2P	331.6	244.9	6	:::	E	186,000	99,000	13.8	2.3	21.0	3.5	59	46	695	55.4
CRH906EC3F	436.0	306.9	6	••••••	E	177,000	94,500	15.0	2.4	22.8	3.7	59	46	1,042	83.2
CRH906EC3P	436.0	306.9	6	:::	E	177,000	94,500	15.0	2.4	22.8	3.7	59	46	1,042	83.2
CRH906EC4F	511.5	346.0	6	••••••	D	168,000	90,000	15.6	2.5	24.0	3.8	59	46	1,390	110.9
CRH906EC4P	511.5	346.0	6	:::	D	168,000	90,000	15.6	2.5	24.0	3.8	59	46	1,390	110.9
CRH908EC2P	442.1	326.6	8	::::	E	248,000	132,000	18.4	3.0	28.0	4.6	60	47	927	74.4
CRH908EC3P	581.4	409.1	8	::::	E	236,000	126,000	20.0	3.2	30.4	4.9	60	47	1,390	111.6
CRH908EC4P	682.1	461.4	8	::::	D	224,000	120,000	20.8	3.4	32.0	5.1	60	47	1,854	148.8
CRH910EC2P	552.7	408.2	10	:::::	E	310,000	165,000	23.0	3.8	35.0	5.8	61	48	1,158	92.6
CRH910EC3P	726.7	511.4	10	:::::	E	295,000	157,500	25.0	4.0	38.0	6.1	61	48	1,738	139.0
CRH910EC4P	852.6	576.7	10	:::::	D	280,000	150,000	26.0	4.2	40.0	6.4	61	48	2,316	185.3
CRH912EC2P	663.2	489.8	12	::::::	E	372,000	198,000	27.6	4.5	42.0	7.0	62	49	1,360	110.9
CRH912EC3P	872.1	613.7	12	::::::	E	354,000	189,000	30.0	4.8	45.6	7.3	62	49	2,084	166.3
CRH912EC4P	1,023.1	692.0	12	::::::	D	336,000	180,000	31.2	5.1	48.0	7.7	62	49	2,780	221.8



CRH | COMMON DATA

Model	Weight (kg)	Connections		Dimensions					
		IN (inches)	OUT (inches)	C1 (mm)	C2 (mm)	G (mm)	F (mm)	H (mm)	A (mm)
CRH-01---2F	182	7/8"	3/4"						
CRH-01---3F	199	1-1/8"	7/8"	1,720	-	1,074	1,138	1,210	2,110
CRH-01---4F	215	1-3/8"	1-1/8"						
CRH-02---2F	327	1-3/8"	1-1/8"	3,470	-	1,074	1,138	1,210	3,860
CRH-02---2P	364	2X(7/8")	2X(3/4")	1,720	-	2,146	2,210	1,210	2,110
CRH-02---3F	359	1-5/8"	1-3/8"	3,470	-	1,074	1,138	1,210	3,860
CRH-02---3P	398	2X(1-1/8")	2X(7/8")	1,720	-	2,146	2,210	1,210	2,110
CRH-02---4F	389	1-5/8"	1-3/8"	3,470	-	1,074	1,138	1,210	3,860
CRH-02---4P	430	2X(1-3/8")	2X(1-1/8")	1,720	-	2,146	2,210	1,210	2,110
CRH-03---2F	480	1-5/8"	1-3/8"						
CRH-03---3F	526	1-5/8"	1-3/8"	1,750	1,750	1,074	1,138	1,210	5,610
CRH-03---4F	574	2-1/8"	1-5/8"						
CRH-04---2F	625	2-1/8"	1-5/8"	3,500	3,470	1,074	1,138	1,210	7,360
CRH-04---2P	654	2x(1-3/8")	2x(1-1/8")	3,470	-	2,146	2,210	1,210	3,860
CRH-04---3F	687	2-5/8"	2-1/8"	3,500	3,470	1,074	1,138	1,210	7,360
CRH-04---3P	718	2x(1-5/8")	2x(1-3/8")	3,470	-	2,146	2,210	1,210	3,860
CRH-04---4F	748	2-5/8"	2-1/8"	3,500	3,470	1,074	1,138	1,210	7,360
CRH-04---4P	778	2x(1-5/8")	2x(1-3/8")	3,470	-	2,146	2,210	1,210	3,860
CRH-05---2F	778	2-1/8"	1-5/8"						
CRH-05---3F	855	2-5/8"	2-1/8"	3,500	3,500	1,074	1,138	1,210	9,110
CRH-05---4F	931	2-5/8"	2-1/8"						
CRH-06---2F	920	2-1/8"	1-5/8"	3,500	3,470	1,074	1,138	1,210	10,860
CRH-06---2P	960	2x(1-5/8")	2x(1-3/8")	1,750	3,470	2,146	2,210	1,210	5,610
CRH-06---3F	1,013	2-5/8"	2-1/8"	3,500	3,470	1,074	1,138	1,210	10,860
CRH-06---3P	1,052	2x(1-5/8")	2x(1-3/8")	1,750	3,470	2,146	2,210	1,210	5,610
CRH-06---4F	1,104	2-5/8"	2-1/8"	3,500	3,470	1,074	1,138	1,210	10,860
CRH-06---4P	1,148	2x(2-1/8")	2x(1-5/8")	1,750	3,470	2,146	2,210	1,210	5,610
CRH-08---2P	1,233	2x(2-1/8")	2x(1-5/8")						
CRH-08---3P	1,357	2x(2-5/8")	2x(2-1/8")	3,500	3,470	2,146	2,210	1,210	7,360
CRH-08---4P	1,479	2x(2-5/8")	2x(2-1/8")						
CRH-10---2P	1,528	2x(2-1/8")	2x(1-5/8")						
CRH-10---3P	1,682	2x(2-5/8")	2x(2-1/8")	3,500	3,500	2,146	2,210	1,210	9,110
CRH-10---4P	1,835	2x(2-5/8")	2x(2-1/8")						
CRH-12---2P	1,823	2x(2-5/8")	2x(2-1/8")						
CRH-12---3P	2,008	2x(2-5/8")	2x(2-1/8")	3,500	3,470	2,146	2,210	1,210	10,860
CRH-12---4P	2,191	2x(2-5/8")	2x(2-1/8")						

I-CO-24.3-CRH

Range CC

CENTRIFUGAL CONDENSERS

Operating range

8.7 - 102 kW

- Condensers with centrifugal fans for condensing units
- With lower base unit to house compressors and ensure a fully compact unit
- Specifically designed for use in machine rooms and with ducted air discharge
- Available air pressure up to 150 Pa

Features

Coil: Made with a 3/8" tube in a staggered arrangement and with highly efficient aluminium fins with a 2.1 mm pitch.

Body: Made of pre-lacquered steel sheets. The motor support panels are easily adjustable, so they can be placed in any position required. Lower base unit with bench to house the compressor and other components. Can work in a horizontal position.

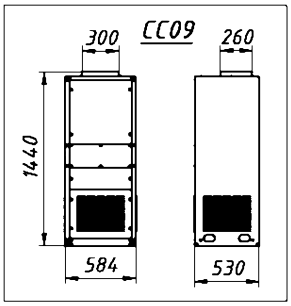
Fans: Direct drive centrifugal fans. 230 V/I/ and 400 V/III power, all at 50 Hz. IP44-rated protection. Class F operating range of 5 mm to 15 mm wc.

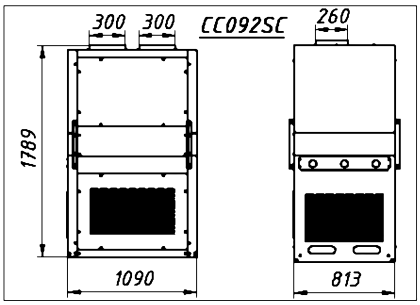
Options

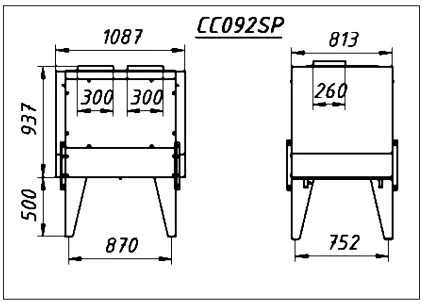
- Multi-circuit coil
- Fins treated with vinyl coating or Blygold
- Enclosed lower base unit or feet
- Motors connected to a terminal box with IP54-rated protection

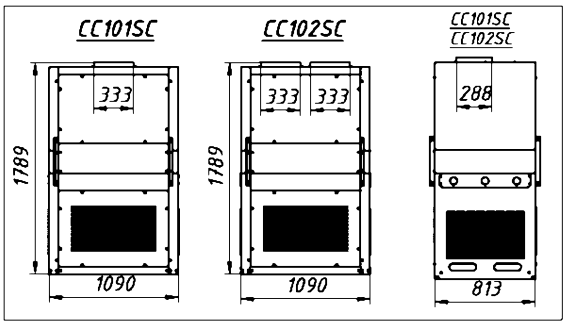
NOMENCLATURE (CC121T33SC)						
CC	12	1	T	33	S	C
Range	Fan type	No. fans	Motor type T = three-phase M = single-phase	Coil type	Air outlet S = top D = right I = left	Support C = base unit P = feet Ø = no support

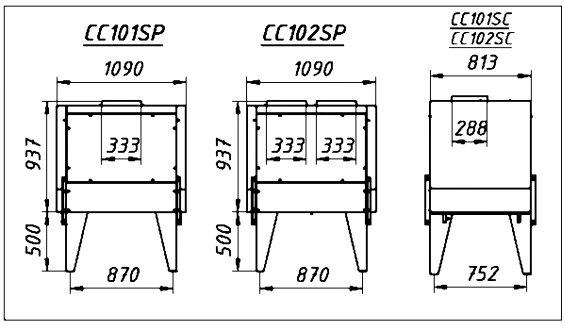
Model	ΔP mm wc	Capacity EN327 TD 15 (kW)	Flow rate (m3/h)	Area (m^2)	Volume (dm^3)	Fans						Connections		Weight (kg)
						No.	Type	A	W	dB(A) (10m)	Voltage	In	Out	
CC091-31	0	8.69	3,000	12.9	2.0	1	9/9	3.8	373	53	1~230 V 50 Hz	12 mm	12 mm	67
	5	8.58	2,900											
	10	8.47	2,800											
	15	8.25	2,700											
CC091-41	0	10.56	3,000	17.2	2.6	1	9/9	3.8	373	53	1~230 V 50 Hz	12 mm	12 mm	70
	5	10.45	2,900											
	10	10.23	2,800											
	15	10.12	2,700											
CC091-61	0	12.98	2,900	25.8	3.9	1	9/9	3.8	373	53	1~230 V 50 Hz	12 mm	12 mm	73
	5	12.76	2,800											
	10	12.32	2,600											
	15	12.10	2,500											
CC101-22	0	14.19	4,800	23.0	3.3	1	10/10	5.9	550	57	1~230 V 50 Hz	3/4"	5/8"	135
	5	14.08	4,600											
	10	13.42	4,300					1.7	350		3~400 V 50 Hz			
	15	12.21	3,500											
CC092-22	0	16.90	6,000	23.0	3.3	2	9/9	7.6	746	56	1~230 V 50 Hz	3/4"	5/8"	149
	5	16.68	5,900											
	10	16.56	5,800											
	15	16.10	5,600											
CC101-42	0	21.45	4,600	45.9	6.6	1	10/10	5.9	550	57	1~230 V 50 Hz	1-1/8"	7/8"	144
	5	21.01	4,300											
	10	20.02	4,000					1.7	350		3~400 V 50 Hz			
	15	18.48	3,400											
CC092-42	0	24.70	6,000	45.9	6.6	2	9/9	7.6	746	56	1~230 V 50 Hz	1-1/8"	7/8"	158
	5	24.03	5,800											
	10	23.80	5,700											
	15	23.23	5,500											
CC102-33	0	28.40	9,400	39.4	5.6	2	10/10	11.8	1,100	60	1~230 V 50 Hz	7/8"	3/4"	157
	5	24.90	8,000											
	10	23.23	7,000					3.4	700		3~400 V 50 Hz			
	15	21.39	6,200											
CC121-33	0	24.86	8,000	39.4	5.6	1	12/12	9.4	1,100	60	~230 V 50 Hz	7/8"	3/4"	142
	5	24.53	7,800											
	10	23.76	7,300					4.2	1,100		3~400 V 50 Hz			
	15	22.99	6,800											
CC101-62	0	26.51	4,500	68.9	9.9	1	10/10	5.9	550	57	1~230 V 50 Hz	1-1/8"	7/8"	152
	5	25.63	4,200											
	10	23.98	3,700					1.7	350		3~400 V 50 Hz			
	15	22.33	3,200											
CC102-43	0	33.23	9,200	52.5	7.5	2	10/10	11.8	1,100	60	1~230 V 50 Hz	1-1/8"	7/8"	161
	5	28.60	7,200											
	10	26.68	6,800					3.4	700		3~400 V 50 Hz			
	15	23.00	5,600											
CC121-43	0	29.59	7,700	52.5	7.5	1	12/12	9.4	1,100	60	1~230 V 50 Hz	1-1/8"	7/8"	146
	5	29.26	7,500											
	10	28.49	7,100					4.2	1,100		3~400 V 50 Hz			
	15	27.61	6,700											
CC102-63	0	37.85	8,200	78.8	11.3	2	10/10	11.8	1,100	60	1~230 V 50 Hz	1-1/8"	7/8"	171
	5	29.67	6,200											
	10	29.33	6,100					3.4	700		3~400 V 50 Hz			
CC121-63	0	36.85	7,600	78.8	11.3	1	12/12	9.4	1,100	60	1~230 V 50 Hz	1-1/8"	7/8"	156
	5	36.08	7,200											
	10	34.87	6,800					4.2	1,100		3~400 V 50 Hz			
	15	33.99	6,500											
CC122-43	0	59.18	15,400	105.0	15.0	2	12/12	18.8	2,200	63	1~230 V 50 Hz	1-3/8"	1-1/8"	264
	5	58.52	15,000											
	10	56.98	14,200					8.4	2,200		3~400 V 50 Hz			
	15	55.22	13,400											
CC122-63	0	73.70	15,200	157.5	22.6	2	12/12	18.8	2,200	63	1~230 V 50 Hz	1-3/8"	1-1/8"	283
	5	72.16	14,400											
	10	69.74	13,600					8.4	2,200		3~400 V 50 Hz			
	15	67.98	13,000											
CC123-43	0	88.77	23,100	157.5	22.6	3	12/12	28.2	3,300	65	1~230 V 50 Hz	1-5/8"	1-3/8"	384
	5	87.78	22,500											
	10	85.50	21,300					12.6	3,300		3~400 V 50 Hz			
	15	82.83	20,100											
CC123-63	0	110.55	22,800	236.3	33.8	3	12/12	28.2	3,300	65	1~230 V 50 Hz	1-5/8"	1-3/8"	412
	5	108.24	21,600											
	10	104.61	20,400					12.6	3,300		3~400 V 50 Hz			
	15	101.97	19,500											

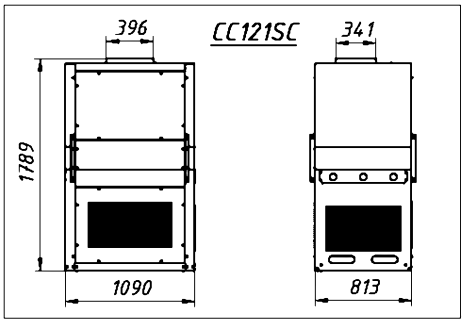


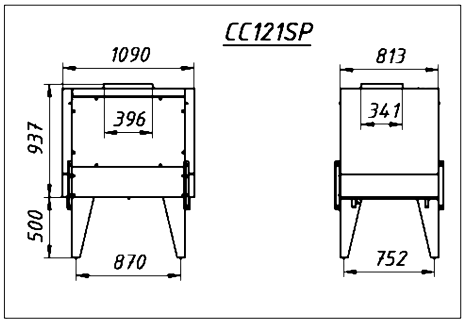


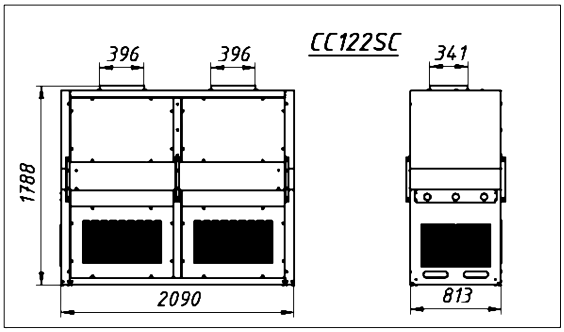


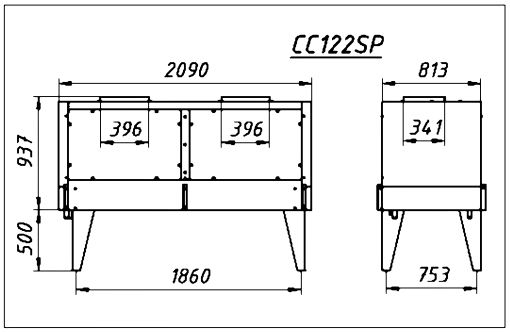


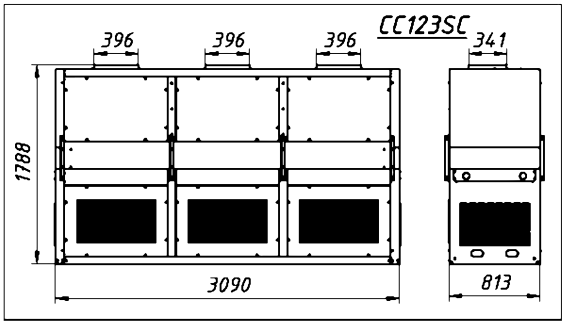


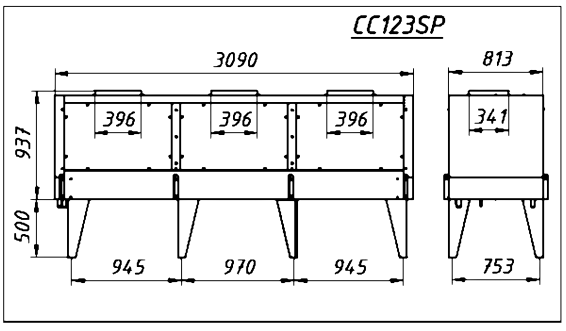












I-CO-21.2-CC

Range CR

RADIAL CONDENSERS

Operating range

15.2 - 375 kW

EC Motor

Air pressure above 200 Pa available

Specifically designed for use in machine rooms and with ducted air discharge

Can operate in horizontal or vertical arrangement (with feet)

Features

Coil: Made with a 3/8" tube in a staggered arrangement and with highly efficient aluminium fins with a 2.1 mm pitch.

Body: Made of pre-lacquered steel sheets. The air outlet panels are easily adjustable, so they can be placed in any position required. Can work in a horizontal position. Lower inspection hatches for ease of maintenance.

Fans: Direct drive EC radial electric fans 380/415 V-50 Hz. With thermal protector connected to an IP54-rated terminal box.

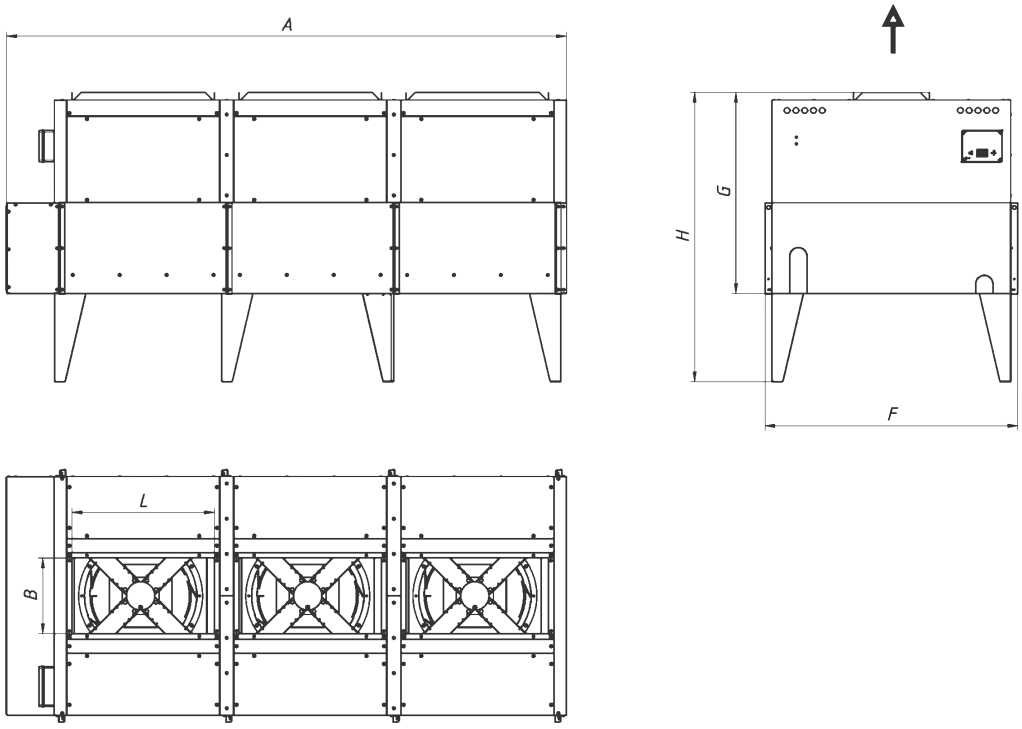
Options

- Multi-circuit coil
- Fins treated with vinyl coating or Blygold
- Acoustic insulation

NOMENCLATURE (CR56323SCECP)								
RC	56	2	63	S	C	E	C	P
Range	Fan diameter 50 = Ø500 mm 56 = Ø560 mm 63 = Ø630 mm	No. fans 1 to 5	Coil type	Air outlet S = top	Frame mount (only available for CR501 models) Ø = no base unit C = with base unit	Motor E = electric Ø = standard AC	Motor connection C = connected Ø = no connection	Support P = with feet Ø = no feet

Technical data

Model	Coil			Fans					dB(A) 10 m	Voltage
	Capacity EN 327 (TD15) (kW)	Area (m²)	Volume (dm³)	No. x Ø	Energy class	Airflow (m³/h)	EC electric			
							A	W		
CR 561-22	26.0	23.0	3.3	1x560	E	14,000	5	3.1	60	3~400 V 50 Hz -Y
CR 561-42	40.0	45.9	6.6	1x560	E	13,000	5	3.1	57	3~400 V 50 Hz -Y
CR 561-62	46.6	68.9	9.9	1x560	E	12,000	5	3.1	55	3~400 V 50 Hz -Y
CR 561-33	35.2	39.4	5.6	1x560	E	13,800	5	3.1	59	3~400 V 50 Hz -Y
CR 561-43	41.5	52.5	7.5	1x560	E	12,800	5	3.1	56	3~400 V 50 Hz -Y
CR 561-63	46.5	78.8	11.3	1x560	E	11,800	5	3.1	54	3~400 V 50 Hz -Y
CR 562-53	90.1	145.1	19.8	2x560	E	24,200	10	6.2	53	3~400 V 50 Hz -Y
CR 562-63	94.8	174.1	23.8	2x560	E	23,600	10	6.2	53	3~400 V 50 Hz -Y
CR 562-83	101.6	232.0	32.0	2x560	E	22,000	10	6.2	53	3~400 V 50 Hz -Y
CR 563-53	137.7	217.7	29.3	3x560	E	36,300	15	9.3	55	3~400 V 50 Hz -Y
CR 563-63	146.3	261.3	35.2	3x560	E	35,400	15	9.3	55	3~400 V 50 Hz -Y
CR 563-83	148.0	348.0	50.0	3x560	E	33,000	15	9.3	55	3~400 V 50 Hz -Y
CR 632-65	141.1	293.7	40.1	2x630	E	34,000	11.4	7.2	57	3~400 V 50 Hz -Y
CR 632-85	153.6	391.7	53.5	2x630	E	32.500	11.4	7.2	55	3~400 V 50 Hz -Y
CR 633-65	219.9	440.9	59.4	3x630	E	51,000	17.1	10.8	59	3~400 V 50 Hz -Y
CR 633-85	227.7	587.9	79.1	3x630	E	48,750	17.1	10.8	57	3~400 V 50 Hz -Y
CR 634-65	284.0	587.8	78.6	4x630	E	68,000	22.8	14.4	60	3~400 V 50 Hz -Y
CR 634-85	307.6	783.7	104.8	4x630	E	65,000	22.8	14.4	58	3~400 V 50 Hz -Y
CR 635-65	364.6	734.7	97.9	5x630	E	85,000	28.5	18.0	61	3~400 V 50 Hz -Y
CR 635-85	383.4	979.5	130.5	5x630	E	81,250	28.5	18.0	59	3~400 V 50 Hz -Y



CR | COMMON DATA

Model	Weight (kg)	Connections		Dimensions					
		IN (inches)	OUT (inches)	A (mm)	H (mm)	F (mm)	L (mm)	B (mm)	G (mm)
CR 561-22	146	3/4"	5/8"	1,090	1,417	893	858	364	915
CR 561-42	143	1-1/8"	7/8"	1,090	1,417	893	858	364	915
CR 561-62	150	1-1/8"	7/8"	1,090	1,417	893	858	364	915
CR 561-33	130	7/8"	3/4"	1,090	1,417	893	858	364	915
CR 561-43	132	1-1/8"	7/8"	1,090	1,417	893	858	364	915
CR 561-63	143	7/8"	3/4"	1,090	1,417	893	858	364	915
CR 562-53	227	1-3/8"	1-1/8"	2,232	1,569	887	808	305	1,067
CR 562-63	260	1-3/8"	1-1/8"	2,232	1,569	887	808	305	1,067
CR 562-83	270	2-1/8"	1-5/8"	2,232	1,569	887	808	305	1,067
CR 563-53	299	2-1/8"	1-5/8"	3,182	1,569	887	808	305	1,067
CR 563-63	330	2-1/8"	1-5/8"	3,182	1,569	887	808	305	1,067
CR 563-83	390	2-1/8"	1-5/8"	3,182	1,569	887	808	305	1,067
CR 632-65	369	2-1/8"	1-5/8"	2,232	1,643	1,437	808	430	1,143
CR 632-85	497	2-5/8"	2-1/8"	2,232	1,643	1,437	808	430	1,143
CR 633-65	524	2-5/8"	2-1/8"	3,182	1,643	1,437	808	430	1,143
CR 633-85	632	2-5/8"	2-1/8"	3,182	1,643	1,437	808	430	1,143
CR 634-65	659	2-5/8"	2-1/8"	4,132	1,643	1,437	808	430	1,143
CR 634-85	787	2-5/8"	2-1/8"	4,132	1,643	1,437	808	430	1,143
CR 635-65	814	2-5/8"	2-1/8"	5,082	1,643	1,437	808	430	1,143
CR 635-85	970	2-5/8"	2-1/8"	5,082	1,643	1,437	808	430	1,143

I-CO-26.4-CR

Range UC

FRAME-MOUNTED CONDENSERS
FOR REFRIGERATING MACHINES

Operating range
37 - 226 kW

- Can be supplied painted (oven-polymerised epoxy polyester)
- Wide range of models and options
- Compact and sturdy design
- Specifically designed for condensing units, refrigerating machines and water chillers

Features

Coil: Made with a copper tube in a staggered arrangement and corrugated aluminium fins with high heat exchange efficiency, with a 2.1 mm pitch.

Body: Made of pre-lacquered steel sheets, stainless steel fasteners. Inspection hatch to locate the electrical panel. Fully enclosed, with rails positioned at the base to attach compressors and other necessary components.

Fans: External rotor, three-phase 380/415 V-50 Hz. With class F, IP54-rated thermal protector. With different speed options that ensure a very broad operating range and range of noise levels. Voltages available: 400V/III/60Hz / 230V/III/50Hz. / 230V/III/60Hz.

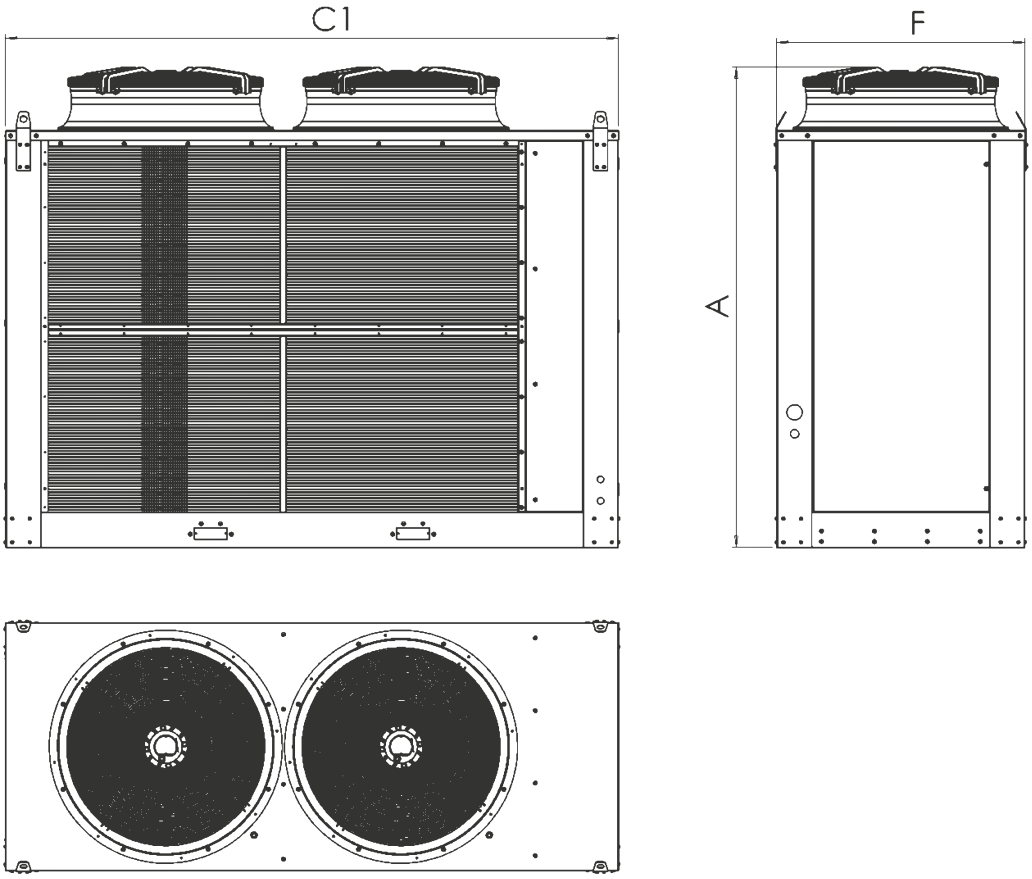
Options

- Multi-circuits
- Coil fins treated with vinyl coating or Blygold
- Special voltage fans
- EC electric fans
- Acoustic insulation

NOMENCLATURE (UC522)			
UC	5	2	2
Range	Fan diameter 5 = Ø500 mm 6 = Ø630 mm 8 = Ø800 mm	No. fans 2-3	Coil type 2 / 3 / 4

Technical data

Model	Capacity EN 327(TD15) (kW)	Area (m^2)	Volume (dm^3)	Fans			
				No. x Ø	Airflow (m^3/h)	A	W
UC522	37.1	53.4	7.6	2x500	17,000	2.8	1,440
UC524	53.7	106.9	15.2	2x500	15,000	2.8	1,440
UC526	63.6	160.3	22.8	2x500	13,500	2.8	1,440
UC622	47.6	53.4	7.6	2x630	28,000	6.8	3,940
UC624	67.9	106.9	15.2	2x630	24,000	6.8	3,940
UC626	77.5	160.3	22.8	2x630	20,000	6.8	3,940
UC822	88.4	114.6	16.3	2x800	45,000	7.6	4,120
UC824	128.4	229.1	32.6	2x800	40,000	7.6	4,120
UC826	150.1	343.7	48.9	2x800	35,000	7.6	4,120
UC834	192.6	343.7	48.9	3x800	60,000	11.4	6,180
UC836	226.2	515.5	73.4	3x800	53,000	11.4	6,180



UC | COMMON DATA

Model	Weight (kg)	Dimensions			Connections	
		C1 (mm)	F (mm)	A (mm)	IN (inches)	OUT (inches)
UC522	171	1,875	850	1,339	1-1/8"	7/8"
UC524	191	1,875	850	1,339	1-3/8"	1-1/8"
UC526	209	1,875	850	1,339	1-5/8"	1-3/8"
UC622	184	1,875	950	1,339	1-1/8"	7/8"
UC624	205	1,875	950	1,339	1-3/8"	1-1/8"
UC626	226	1,875	950	1,339	1-5/8"	1-3/8"
UC822	271	2,605	1,246	1,988	1-5/8"	1-3/8"
UC824	315	2,605	1,246	1,988	1-5/8"	1-3/8"
UC826	359	2,605	1,246	1,988	2-1/8"	1-5/8"
UC834	363	3,605	1,246	1,988	2-5/8"	2-1/8"
UC836	407	3,605	1,246	1,988	2-5/8"	2-1/8"

I-CO-30.0-UC

Range DRY

DRY COOLERS

Operating range
41 - 922 kW

EC Motor

- Optional EC electric motors available
- Wide range of models, powers and noise levels
- Low fluid pressure drops
- Designed for industrial applications, air conditioning, cogeneration and water chilling in general

Features

Coil: Made with a ½" tube in a staggered arrangement and with highly efficient aluminium fins with a 2.1 mm pitch. DIN connectors on one or both sides.

Fans: External rotor, three-phase 380/415 V-50 Hz, with class F, IP54-rated thermal protector. With different speed options that ensure a very broad operating range and range of noise levels. EC electric motors with two power options, for applications where you do not want to exceed a certain noise level. Condensers with EC fans are supplied wired in series.

Body: Made of galvanised steel sheets and painted white with oven-polymerised epoxy polyester, stainless steel fasteners and clamping rings on the side plates and coil dividers where the copper tube is supported, enabling expansion without any breakage due to material fatigue. The condenser is supplied on steel skids that are strategically positioned for ease of transport.

Options

- Multi-circuits
- Finned coil
  (treated with vinyl coating or Blygold)
- Floating coil
- Voltages available: 400V/III/60Hz /
  230 V/III/50 Hz. / 230V/III/60Hz.
- Fans connected to a terminal
  box with IP54 protection
- Internal Flowgrid diffuser that reduces
  certain sound frequencies
- Acoustic insulation

NOMENCLATURE (DRY902NPX2P)

DR	9	02	N	X	2	P
Range	Fan diameter 5 = Ø500 mm 6 = Ø630 mm 8 = Ø800 mm	No. fans 2-3	Motor type HP = high power 6-pole NP = normal power 6-pole UN = ultra-silent 8-pole US = ultra-silent 12-pole EC = connected electric ES = silent electric	Connection type X = delta Y = star C = connected electric motors Ø = no connection	Coil type 2 / 3 / 4	Connection type X = delta Y = star C = connected electric motors Ø = no connection

I-CO-28.2-DRY-CRH

Range AXG

AXIAL GAS COOLER

Operating range

120 - 1,000 kW

PS130

- Can operate in horizontal or vertical arrangement (with feet)
- Low pressure drops in gas circuit
- Floating coil, avoiding the leaks caused by expansion and vibrations
- Specially designed for use in transcritical CO_2 systems

Features

Coil: Made with a copper tube in a staggered arrangement and with added thickness to support high pressures (PS = 130 bar). Aluminium fins with turbulators for improved performance.

Body: Made of galvanised steel sheets and painted white with oven-polymerised epoxy polyester, stainless steel fasteners and clamping rings on the side plates and coil dividers where the copper tube is supported, enabling expansion without any breakage due to material fatigue. The condenser is supplied on steel skids that are strategically positioned for ease of transport.

Fans: External rotor, three-phase 400/480 V-50 Hz, with class F, IP54-rated thermal protector. 910 mm diameters, AC and EC motors with different speeds, enabling a wide operating range and range of noise levels.

Options

- Multi-circuit coil option
- Protective vinyl coating on fins
- Special voltage fans:
  400V/III/60Hz, 230V/III/50Hz, 230V/III/60Hz
- Packed in a wooden crate

Power (kW)

Under these conditions:

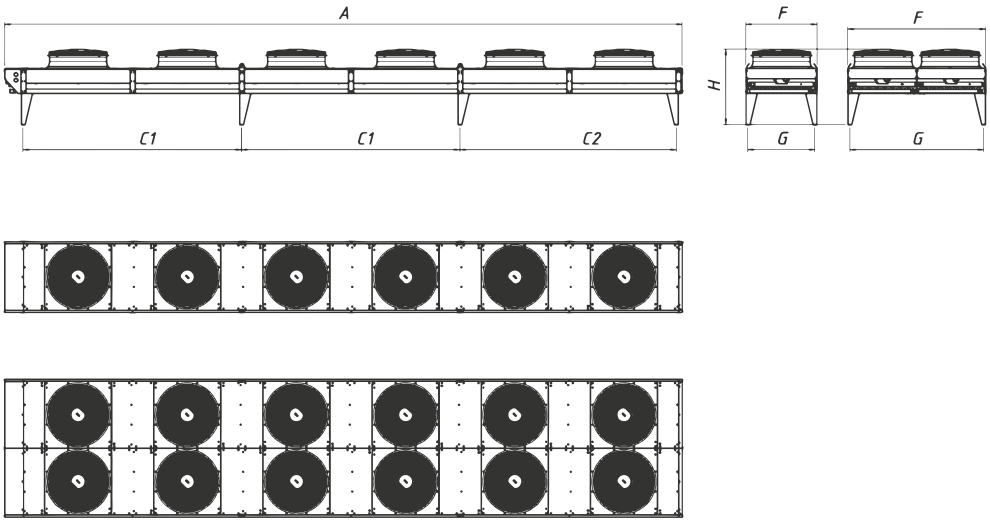
- 35ºC ambient temperature
- CO_2 inlet temperature at 115ºC
- CO_2 inlet pressure at 92 bar
- CO_2 outlet temperature at 37ºC

Technical data

Model	Power (kW)	Mass flow rate (kg/h CO_2)	Surface area (m^2)	Internal volume (dm^3)	EC electric fans (1,000 rpm)				dB(A) (10m)
					No.	Airflow (m^3/h)	kW	A	
AXG 902NP3F	123	2,000	209	23.9	2	60,000	5.0	8.0	54
AXG 902NP4F	151	2,450	280	31.9	2	57,000	5.0	8.0	54
AXG 903NP3F	179	2,900	316	35.9	3	90,000	7.5	12.0	56
AXG 903NP4F	232	3,750	417	47.9	3	85,200	7.5	12.0	56
AXG 904NP3F	264	4,300	417	50.3	4	120,000	9.2	16.0	57
AXG 904NP4F	321	5,200	557	67.0	4	112,800	9.2	16.0	57
AXG 905NP4F	396	6,400	697	79.8	5	142,560	12.5	21.0	58
AXG 906NP4F	492	8,000	834	95.8	6	170,400	15.0	24.0	59
AXG 908NP4P	641	10,400	1,114	134.1	8	225,600	20.0	35.0	60
AXG 910NP4P	791	12,800	1,394	159.6	10	285,120	26.0	40.0	61
AXG 912NP4P	984	16,000	1,668	191.5	12	340,800	31.0	48.0	62

AXG | COMMON DATA

Model	Weight (kg)	Fans	Dimensions (mm)					
			C1	C2	G	F	H	A
AXG 902NP3F	215	2x910	3,470	-	1,074	1,138	1,210	3,860
AXG 902NP4F	250	2x910	3,470	-	1,074	1,138	1,210	3,860
AXG 903NP3F	525	3x910	1,750	1,750	1,074	1,138	1,210	5,610
AXG 903NP4F	580	3x910	1,750	1,750	1,074	1,138	1,210	5,610
AXG 904NP3F	750	4x910	3,470	3,470	1,074	1,138	1,210	7,360
AXG 904NP4F	790	4x910	3,470	3,470	1,074	1,138	1,210	7,360
AXG 905NP4F	980	5X910	3,500	3,500	1,074	1,138	1,210	9,110
AXG 906NP4F	1,050	6x910	3,470	3,470	1,074	2,210	1,210	5,610
AXG 908NP4P	1,520	8x910	3,470	3,470	1,074	2,210	1,210	7,360
AXG 910NP4P	1,960	10X910	3,500	3,500	2,146	2,210	1,210	9,110
AXG 912NP4P	2,100	12X910	3,500	3,500	2,146	2,210	1,210	10,860



I-CO-40.1-AXG

Range RGS

RADIAL GAS COOLER

Operating range

20 - 260 kW

PS123

- Manufactured for CO_2, PS 120 bar
- Air pressure above 200 Pa available for ducts
- Floating coil, avoiding the leaks caused by expansion and vibrations
- Designed for use in machine rooms

Features

Coil: Made with a copper tube in a staggered arrangement and with added thickness to support high pressures (PS = 120 bar). Aluminium fins with turbulators for optimal performance. Circuits designed to minimise gas pressure drops, improving energy efficiency.

Body: Manufactured with pre-lacquered steel sheets. The air outlet panels are easily adjustable, so they can be placed in the required position to connect the ducts. Can work in a horizontal or vertical position. Lower inspection hatches for ease of maintenance.

Fans: Radial electric fans 400/480 V-50 Hz. With thermal protector, connected to an IP54-rated terminal box. Separated internally by deflectors to avoid the bypass effect.

Options

- Fins treated with vinyl coating or Blygold
- AC fans with different voltages
- Acoustic insulation
- Horizontal or vertical support feet

Power (kW)

Under these conditions:

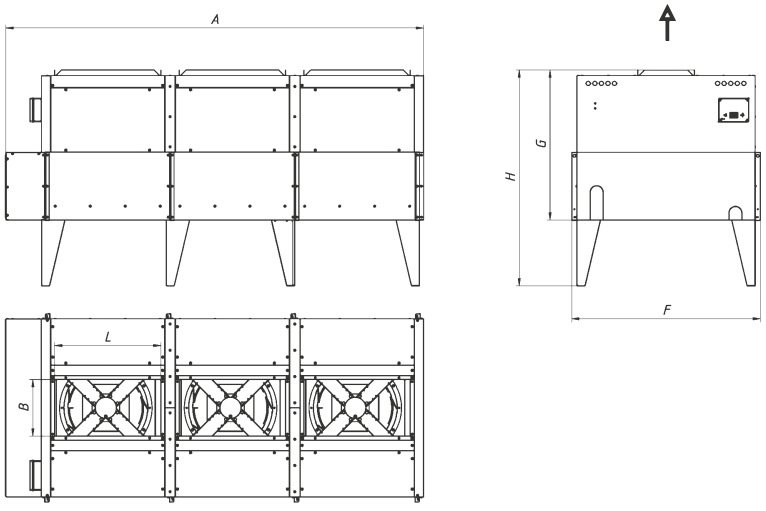
- 35ºC ambient temperature
- CO_2 inlet temperature at 115ºC
- CO_2 inlet pressure at 92 bar
- CO_2 outlet temperature at 37ºC

Technical data

Model	Power (kW)	Mass flow rate (kg/h CO_2)	Surface area (m^2)	Internal volume (dm^3)	EC electric fans (1,000 rpm)				dB(A) (10m)
					No.	Airflow (m^3/h)	kW	A	
RGS 561-33	21	335	36.5	4.1	1	12,600	3.1	5	57
RGS 561-43	30	485	48.5	5.7	1	12,120	3.1	5	57
RGS 562-33	49	800	81.5	9.7	2	25,200	6.2	10	58
RGS 562-43	65	1,050	109.0	13.6	2	24,180	6.2	10	58
RGS 563-33	79	1,285	129.5	15.6	3	37,800	9.3	15	60
RGS 563-43	90	1,450	172.5	19.5	3	36,300	9.3	15	60
RGS 632-33	75	1,220	140.0	15.6	2	36,360	7.2	11.4	61
RGS 632-43	100	1,630	187.0	21.7	2	35,040	7.2	11.4	61
RGS 633-33	113	1,830	210.5	23.4	3	54,600	10.8	17.1	62
RGS 633-43	140	2,260	280.0	32.5	3	52,560	10.8	17.1	62
RGS 634-43	192	3,100	374.0	45.1	4	67,200	14.4	22.8	63
RGS 635-43	259	4,200	467.5	56.3	5	87,600	18	28.5	64

RGS | COMMON DATA

Model	Weight (kg)	Dimensions (mm)					
		A	H	F	L	B	G
RGS 561-33	90	1,090	1,569	887	808	305	1,067
RGS 561-43	120	1,090	1,569	887	808	305	1,067
RGS 562-33	210	2,232	1,569	887	808	305	1,067
RGS 562-43	250	2,232	1,569	887	808	305	1,067
RGS 563-33	290	3,182	1,569	887	808	305	1,067
RGS 563-43	340	3,182	1,569	887	808	305	1,067
RGS 632-33	370	2,232	1,643	1,437	808	430	1,143
RGS 632-43	480	2,232	1,643	1,437	808	430	1,143
RGS 633-33	520	3,182	1,643	1,437	808	430	1,143
RGS 633-43	610	3,182	1,643	1,437	808	430	1,143
RGS 634-43	750	4,132	1,643	1,437	808	430	1,143



I-CO-44.1 RGS

GCA range

CO_2 COOLERS

EC Motor

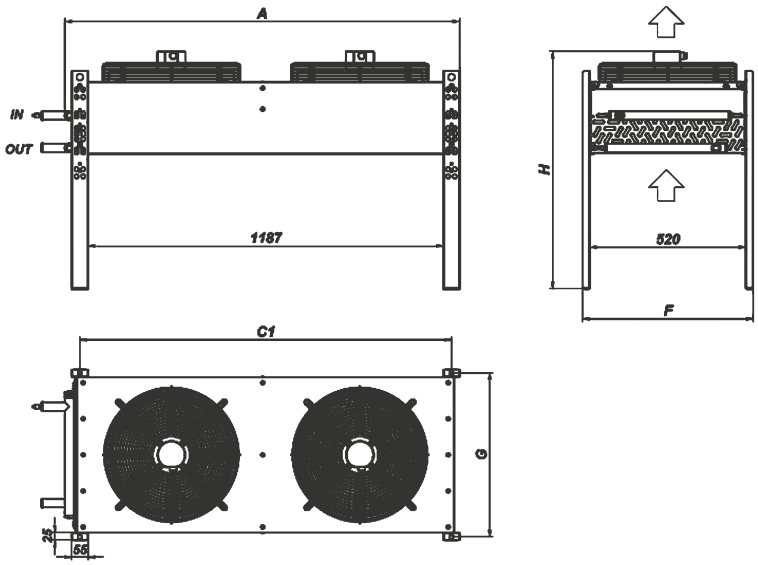
- Specially designed for transcritical CO_2 systems
- Floating coil that avoid leaks
- Operates in a horizontal or vertical position
- Wide range of fans

Technical data

Model	Capacity Operating conditions: GasP=32 bar, Gas temp.=72°C, Air temp.=35°C, ΔP=0.8 bar (kW)	Area (m^2)	Volume (dm^3)	Fans						Weight (kg)
				No. x Ø	Energy class	Airflow (m^3/h)	W	A	dB(A) (10m)	
GCA94MP	1.2	2.8	0.8	1x250	D	680	36	0.3	33	5
GCA124MP	2.6	4.4	1.3	1x300	E	950	60	0.4	33	9
GCA07MPA	6.1	10.7	2.4	1x350	C	2,200	150	0.7	38	16
GCA13MPA	8.0	25.2	5.3	1x400	B	3,000	150	0.7	36	25
GCA25MPA	13.6	50.5	9.8	2x400	B	6,000	150	0.7	39	46
GCA25MSPA	13.4	50.5	9.8	2x400	B	3,900	240	1.0	35	46
GCA25ECPA	13.5	50.5	9.8	2x400	B	5,000	280	2.3	41	46
GCA52MPA	24.0	82.1	13.6	2x500	D	16,000	1,360	6.0	50	98

CGA | COMMON DATA

Model	Connections		Dimensions (mm)				
	IN	OUT	A	F	H	C1	G
GCA94MP	9	9	337	227	273	294	128
GCA124MP	12	12	420	252	328	375	133
GCA07MPA	5/8"	5/8"	597	470	728.5	542	449
GCA13MPA	7/8"	7/8"	697	570	795	642	549
GCA25MPA	1-1/8	1-1/8	1,297	570	795	1,242	549
GCA25MSPA	1-1/8	1-1/8	1297	570	795	1,242	549
GCA25ECPA	1-1/8	1-1/8	1,297	570	795	1,242	549
GCA52MPA	1-1/8	1-1/8	1,697	872	814	1,642	851



I-CO-45.0-GCA

OMS

Our evaporators and condensers have been designed to occupy as little space as possible, meaning that you can have a larger usable area in all of your refrigerated cabinets.

Features

With a plain, untreated or painted aluminium body, with stainless steel fasteners and riveted drains, avoiding the use of silicone or gaskets that lead to water leaks over time. They are easy to maintain, both for cleaning and for replacing components. They comply with article 5 of Royal Decree 168_85_RTS_Cold Stores, which stipulates that the characteristics of all machines, equipment and containers that come into contact with foodstuffs must be such that they cannot transmit harmful properties to those foodstuffs or, upon coming into contact with them, cause harmful chemical reactions. They must also be manufactured in a way that allows them to be kept in a perfectly sanitary and clean condition.

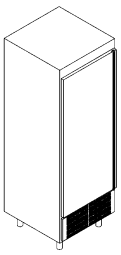
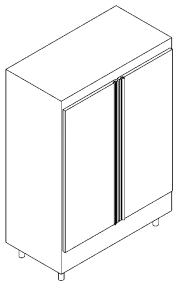
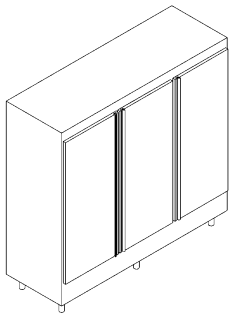
Various finishes available and either electrical resistors or hot gas can be used for defrosting.

All OMS models can be tailored to meet the manufacturer's needs

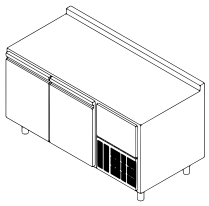
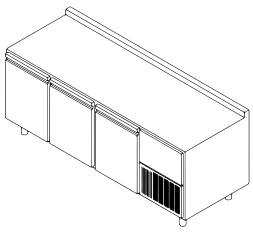
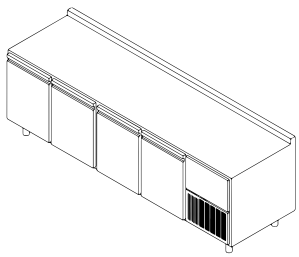
OMS evaporator and condenser ranges

Range	Kw	Application			Fluid			Fans					Fin pitch	Body				Page
								Type			Commutation			Plain	Pre-lacquered	Painted	Abs	
		OMS	Commercial	Industrial	Freons	Glycol	CO_2	Axial	Centrifugal	Radial	Ac	Ec						
C	0.2 - 6.9	●			●			●			●	●	4	●		●		146
SC	0.75 - 17.9	●			●			●			●	●	4	●		●		150
FC	0.2 - 1.0	●			●			●			●	●	4 / 6	●		●		154
DF	0.3 - 1.2	●			●			●			●	●	4 / 6	●		●		158
BM	0.2 - 0.6	●			●			●			●		4 / 6			●		162

CABINETS

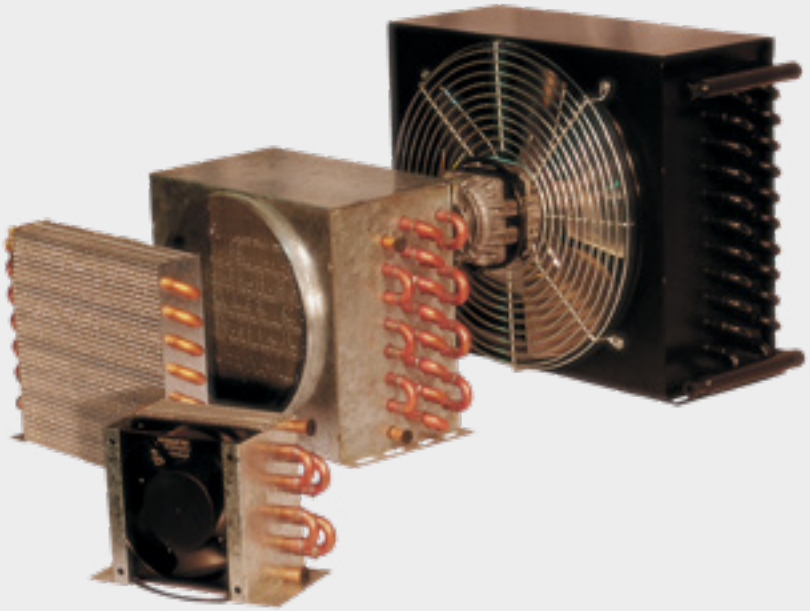
Model	1-door	2-door	3-door
			
FC41	●		
FC61	●		
FC42		●	
FC62		●	
FC63			●
DF23	●		
DF45	●		
DF59	●	●	
DF88		●	

UNDER COUNTER

Model	2-door	3-door	4-door
			
FC41	●	●	
FC61	●	●	●
BM18	●		
BM22	●		
BM27	●		
BM31	●	●	
BM32		●	
BM37		●	
BM48		●	●
BM52			●
DF23	●	●	

Range C

CONDENSERS FOR HERMETIC UNITS



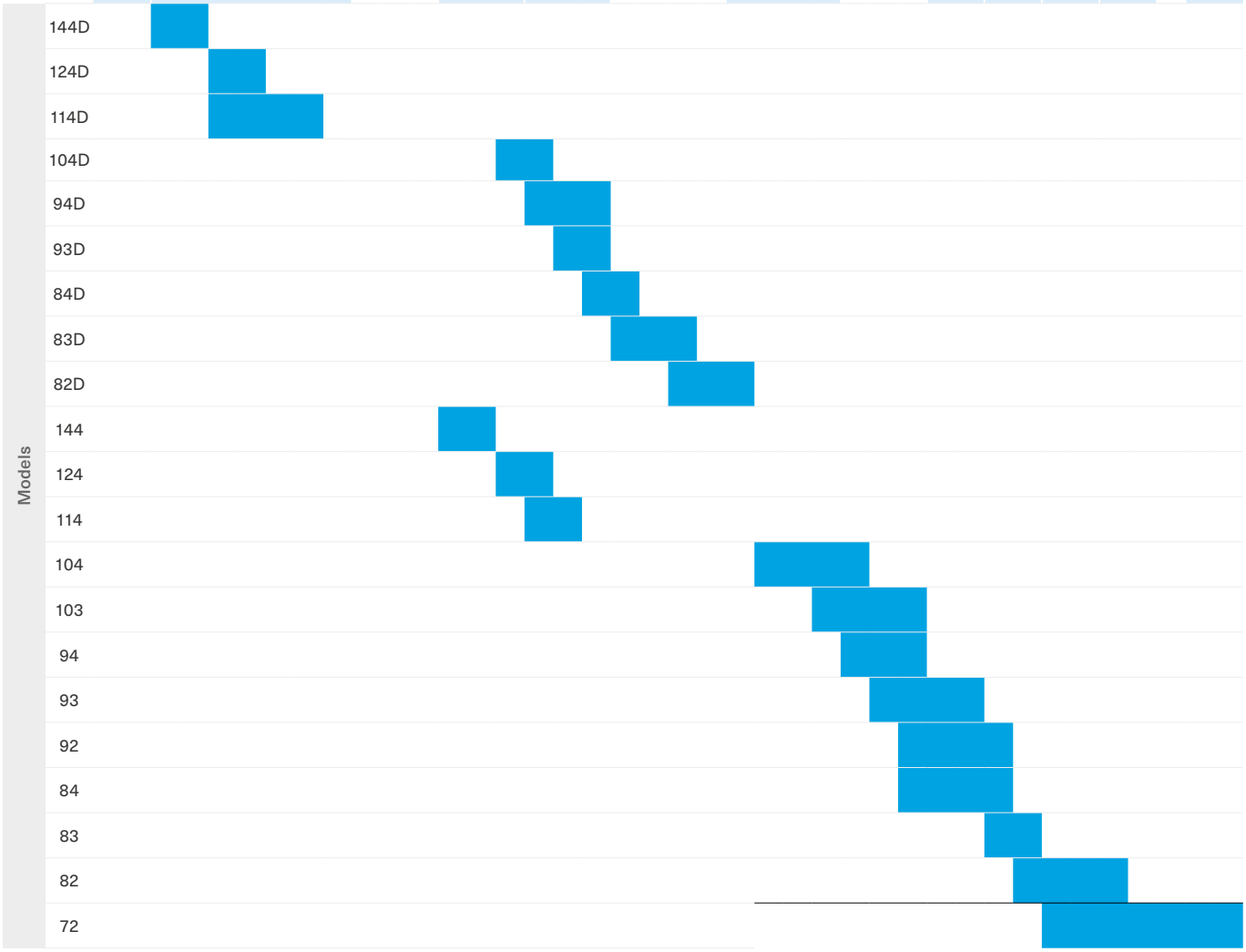
Operating range

0.2 - 6.9 kW

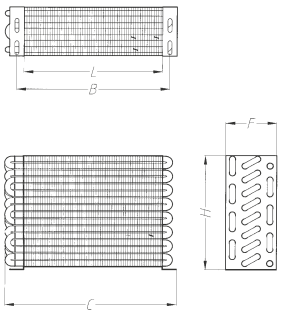
- Large 4 mm fin pitch to avoid dirt
- Highly versatile and different finishes available to meet the customer's needs
- Highly compact design, small in size
- Specifically designed for dispensers

COMPRESSOR-BASED INDICATIVE SELECTION

(W)	70,000	5,800	5,200	4,700	3,800	3,500	2,900	2,600	2,100	1,600	1,500	1,400	1,300	1,200	1,000	900	800	700	600	500
LOW P	2.5		2			1.5		1			3/4			1/2			1/3		18/	
HIGH P	2	1.5					1	3/4				1/2			1/3	1/4	1/5	1/6		1/8

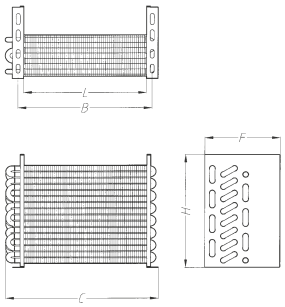


CS SB CT CB CV



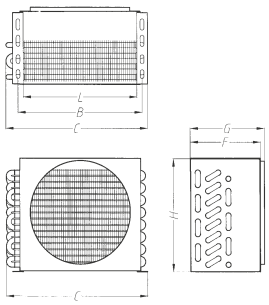
CS TYPE

Model	Dimensions (mm)					Weight (kg)
	L	B	C	F	H	
CK-52	-	-	-	-	-	-
CK-53	-	-	-	-	-	-
CK-54	-	-	-	-	-	-
C CS42	220	245	278	45	202	0.6
C CS72	220	245	278	45	202	0.7
C CS82	240	265	298	45	205	0.8
C CS83	240	265	298	67	205	1.1
C CS84	240	265	298	88	205	1.5
C CS92	270	295	331	45	230	1.3
C CS93	270	295	331	67	230	1.5
C CS94	270	295	331	88	230	1.9
C CS102	270	295	331	45	255	1.6
C CS103	270	295	331	67	255	1.8
C CS104	270	295	331	88	255	2.1



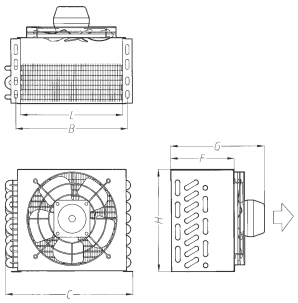
SB TYPE

Model	Dimensions (mm)					Weight (kg)
	L	B	C	F	H	
CK-52	120	150	175	88	127	0.5
CK-53	120	150	175	109	127	0.6
CK-54	120	150	175	131	127	0.7
C SB42	240	262	298	102	230	0.8
C SB72	240	262	298	102	230	0.9
C SB82	240	262	298	102	230	1.0
C SB83	240	262	298	125	230	1.3
C SB84	240	262	298	146	230	1.7
C SB92	270	292	330	102	272	1.5
C SB93	270	292	330	125	272	1.7
C SB94	270	292	330	146	272	2.1
C SB102	270	292	330	102	272	1.8
C SB103	270	292	330	125	272	2.0
C SB104	270	292	330	146	272	2.3



CB TYPE

Model	Dimensions (mm)						Weight (kg)
	L	B	C	F	H	G	
C CB42	240	262	298	105	231	116	1.3
C CB72	240	262	298	105	231	116	1.5
C CB82	240	262	298	105	231	116	1.5
C CB83	240	262	298	128	231	139	2.0
C CB84	240	262	298	149	231	160	2.4
C CB92	270	292	330	105	273	125	1.8
C CB93	270	292	330	128	273	147	2.4
C CB94	270	292	330	149	273	169	2.9
C CB102	270	292	330	105	273	125	1.9
C CB103	270	292	330	128	273	148	2.5
C CB104	270	292	330	149	273	169	3.0
C CB114	350	375	430	160	326	180	4.5
C CB124	350	375	430	160	326	180	4.7
C CB144	350	375	430	160	363	180	5.3
C CB82D	480	502	538	105	231	116	2.5
C CB83D	480	502	538	128	231	139	3.2
C CB84D	480	502	538	149	231	160	4.0
C CB94D	540	564	600	149	273	160	4.7
C CB104D	540	564	600	149	273	160	4.9
C CB114D	700	725	775	160	328	180	7.8
C CB124D	700	725	775	160	328	180	8.1
C CB144D	700	725	775	160	363	180	9.1



CV TYPE

Model	Dimensions (mm)						Weight (kg)
	L	B	C	F	H	G	
C CV42	240	262	298	105	231	175	2.9
C CV72	240	262	298	105	231	175	3.1
C CV82	240	262	298	105	231	175	3.1
C CV83	240	262	298	128	231	208	3.6
C CV84	240	262	298	149	231	220	4.0
C CV92	270	292	330	105	273	181	4.1
C CV93	270	292	330	128	273	203	4.7
C CV94	270	292	330	149	273	225	5.2
C CV102	270	292	330	105	273	181	4.2
C CV103	270	292	330	128	273	203	4.8
C CV104	270	292	330	149	273	225	5.3
C CV114	350	375	430	160	326	245	8.3
C CV124	350	375	430	160	326	245	8.5
C CV144	350	375	430	160	363	245	9.1
C CV82D	480	502	538	105	231	175	5.7
C CV83D	480	502	538	128	231	203	6.4
C CV84D	480	502	538	149	231	225	7.2
C CV94D	540	564	600	149	273	225	9.3
C CV104D	540	564	600	149	273	225	9.5
C CV114D	700	725	775	160	328	245	15.4
C CV124D	700	725	775	160	328	245	15.7
C CV144D	700	725	775	160	363	245	16.7

Technical data

Model	Capacity EN327 TD 16 (W)	Area (m^2)	Volume (dm^3)	Fans				Weight (kg)	Connections
				Airflow m^3/h	No. x Ø	A	W		
CK-52	202	0.4	0.1	85	1x120	20	0.1	3	3/8"
CK-53	267	0.6	0.2	83	1x120	20	0.1	3	3/8"
CK-54	331	0.8	0.3	80	1x120	20	0.1	3	3/8"
42	450	1	0.2	415	1x200	29	0.2	4	3/8"
72	786	1	0.3	415	1x200	29	0.2	4	3/8"
82	800	1	0.3	415	1x200	29	0.2	4	3/8"
83	1,062	1.5	0.5	410	1x200	29	0.2	4	3/8"
84	1,310	2	0.6	400	1x200	29	0.2	4	3/8"
92	1,207	1.4	0.4	700	1x250	36	0.3	4	3/8"
93	1,603	2.1	0.6	690	1x250	36	0.3	4	3/8"
94	1,996	2.8	0.8	680	1x250	36	0.3	4	3/8"
102	1,221	1.4	0.4	700	1x250	36	0.3	4	3/8"
103	1,627	2.1	0.7	690	1x250	36	0.3	4	3/8"
104	2,019	2.8	0.9	680	1x250	36	0.3	4	3/8"
114	3,088	4.4	1.2	950	1x300	60	0.4	4	12 mm
124	3,117	4.4	1.3	950	1x300	60	0.4	4	12 mm
144	3,454	5.2	1.5	950	1x300	60	0.4	4	12 mm
82D	1,600	2	0.6	830	2x200	58	0.4	4	3/8"
83D	2,124	3.1	1	820	2x200	58	0.4	4	3/8"
84D	2,620	4.1	1.3	800	2x200	58	0.4	4	3/8"
94D	3,992	5.7	1.6	1,360	2x250	72	0.5	4	3/8"
104D	4,038	5.7	1.7	1,360	2x250	72	0.5	4	12 mm
114D	6,176	8.8	2.4	1,900	2x300	120	0.8	4	12 mm
124D	6,234	8.9	2.6	1,900	2x300	120	0.8	4	12 mm
144D	6,908	10.4	3	1,900	2x300	120	0.8	4	12 mm

NOMENCLATURE (C CV84DIG)

C	CV	84	D	I	
Range	Body CS = flat SB = no baffle CT = with top panel CB = with baffle CV = with fan	Model	D = double baffle Ø = single	Refrigeration connection outlets I = left D = right	G = plain finish P = painted finish

I-CO-05.4-C

Range SC

CONDENSERS FOR HERMETIC UNITS

Operating range
0.75 - 17.9 kW

- Range specifically designed for the OMS sector
- Highly compact design, small in size
- 150 microns thick, making them highly durable and easy to clean
- Volume of gas used reduced by up to 60%

Features

Coil: Made with 1/4" copper tube. Allowing the internal volume to be reduced by over 70%. Aluminium fins with turbulators, 150 microns thick, making them highly durable and easy to clean.
Body: Made of galvanised steel.

Fans: Shaded pole motors 1—230 V/50/60 Hz. Class B insulation. For 350 mm and 400 mm diameters, external rotor motorised fan, single-phase 230 V/50 Hz. Zinc-plated steel grille in accordance with the regulations; it can also be supplied with EC electric fans and in other voltages.

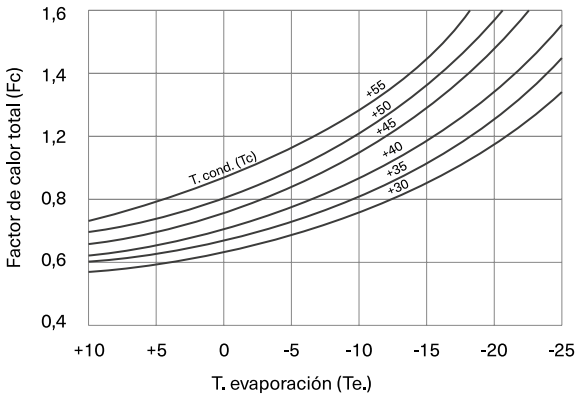
Options

- Painted black
- Treated with electrophoretic coating
- Fan voltage 110 V 60 Hz
- EC electric fans

Selecting the condenser: total heat factor (Cf)

The yields that appear on the general characteristics table refer to total heat dissipation, i.e. the sum of the compressor's cooling capacity plus the heat equivalent of the compressor in operation. The correction factor (CF) is provided to calculate this figure; this depends on the evaporation temperature (Et) and the condensing temperature (Ct); when we multiply this by the compressor's cooling power, we obtain the total amount of heat that is dissipated.

E.g.: For a 1000 W compressor at Et = -10ºC and Ct = +50ºC, assuming TD = 18ºC (+32ºC ambient temp.), the correction factor (CF) will be 1.6. Then: 1,000x1.6/1.2 = 1,333 W will be the nominal capacity. Therefore, we select the SCV 93 model.



REFRIGERANT GAS CORRECTION FACTOR			
Refrigerant	R134a	R290	R404a
G_f	0.96	1	1.02

AMBIENT TEMPERATURE CORRECTION FACTOR								
Temp. (ºC)	10	15	20	25	30	35	40	45
Amb_F	1.04	1.03	1.02	1	0.98	0.97	0.96	0.95

CORRECTION FACTOR ACCORDING TO DIFFERENCE BETWEEN CONDENSING TEMP. AND AMBIENT TEMP.								
TD	8	10	12	14	16	18	19	20
TD_f	0.53	0.67	0.8	0.93	1.07	1.2	1.27	1.33

Technical data

SINGLE FAN

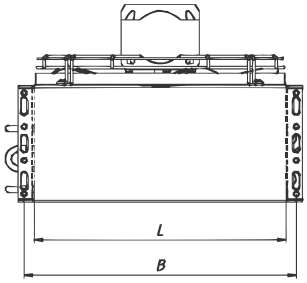
Single fan						Fans			
Model	Capacity R290 TD15 (W)	Capacity R134A TD15 (W)	Volume (dm^3)	Fin pitch (mm)	Area (m^2)	No. x Ø	W	A	Airflow (m^3/h)
SCV82	750	750	0.1	3.5	1.09	1 x 200	36	0.3	380
SCV83	971	969	0.15	3.5	1.64	1 x 200	36	0.3	350
SCV84	1,141	1,131	0.2	3.5	2.18	1 x 200	36	0.3	320
SCV92	1,035	1,035	0.13	3.5	1.4	1 x 230	60	0.4	700
SCV93	1,387	1,371	0.196	3.5	2.09	1 x 230	60	0.4	640
SCV94	1,673	1,613	0.26	3.5	2.8	1 x 230	60	0.4	600
SCV104	2,023	1,919	0.31	3.5	3.35	1 x 250	60	0.4	730
SCV123	2,523	2,340	0.34	3.5	3.57	1 x 300	90	0.6	1,200
SCV124	3,001	2,931	0.45	3.5	4.77	1 x 300	90	0.6	1,120
SCV143	4,132	3,985	0.46	2.5	6.71	1 x 300	78	0.5	1,550
SCV144	4,867	4,566	0.61	2.5	8.95	1 x 300	78	0.5	1,480
SCV163	6,181	5,989	0.59	2.5	8.69	1 x 350	150	0.7	2,625
SCV164	7,480	7,276	0.79	2.5	11.59	1 x 350	150	0.7	2,550
SCV184	9,736	9,264	1.05	2.5	15.3	1 x 400	150	0.7	3,200
SCV186	11,590	11,198	1.57	2.5	23	1 x 400	150	0.7	2,900

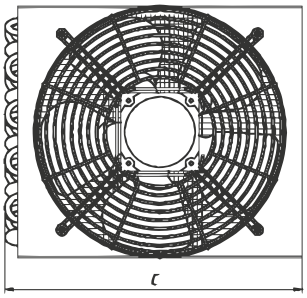
DOUBLE FAN

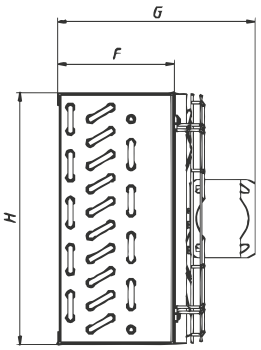
Single fan						Fans			
Model	Capacity R290 TD15 (W)	Capacity R134A TD15 (W)	Volume (dm^3)	Fin pitch (mm)	Area (m^2)	No. x Ø	W	A	Airflow (m^3/h)
SCV82D	1,350	1,333	0.2	3.5	2.23	2 x 200	72	0.06	760
SCV83D	1,805	1,739	0.3	3.5	3.35	2 x 200	72	0.06	700
SCV84D	2,061	1,946	0.4	3.5	4.47	2 x 200	72	0.06	640
SCV92D	2,155	2,074	0.27	3.5	2.85	2 x 230	120	0.8	1,400
SCV93D	2,809	2,706	0.39	3.5	4.26	2 x 230	120	0.8	1,280
SCV94D	3,380	3,285	0.53	3.5	5.7	2 x 230	120	0.8	1,200
SCV104D	4,113	3,943	0.64	3.5	6.8	2 x 250	120	0.8	1,460
SCV123D	5,144	4,839	0.68	3.5	7.26	2 x 300	180	1.2	2,400
SCV124D	6,038	5,920	0.91	3.5	9.7	2 x 300	180	1.2	2,240
SCV143D	8,368	7,865	0.92	2.5	13.4	2 x 300	156	1	3,100
SCV144D	9,870	9,373	1.22	2.5	17.9	2 x 300	156	1	2,960
SCV163D	12,656	11,773	1.18	2.5	17.39	2 x 300	156	1	5,250
SCV164D	15,177	14,523	1.49	2.5	23.1	2 x 350	156	1	5,100
SCV166D	17,962	17,221	2.38	2.5	34.8	2 x 350	156	1	4,500
SCV186	11,590	11,198	1.57	2.5	23	1 x 400	150	0.7	2,900

NOMENCLATURE (SCB84DP)

SC	B	84	D	P
Range	Type Ø = flat B = with baffle and motorless V = single-phase motor Standard (230 V 50 Hz) L = single-phase motor Special (110 V 60 Hz) E = electric motor T = three-phase motor	Characteristics of the coil	Fans Ø = single D = double	Finish Ø = plain P = painted







COMMON DATA | SINGLE FAN

Single fan			Dimensions (mm)					
Model	Fin pitch (mm)	Connections	L	B	C	F	H	G
SCV82	3.5	1/4"	220	241	268	80	219	163
SCV83	3.5	1/4"	220	241	268	105	219	188
SCV84	3.5	1/4"	220	241	268	125	219	208
SCV92	3.5	1/4"	250	271	298	80	246	163
SCV93	3.5	1/4"	250	271	298	105	246	188
SCV94	3.5	1/4"	250	271	298	125	246	208
SCV104	3.5	1/4"	270	291	318	125	270	212
SCV123	3.5	1/4"	320	341	368	138	320	245
SCV124	3.5	3/8"	320	341	375	159	320	265
SCV143	2.5	3/8"	375	396	434	142	364	241
SCV144	2.5	3/8"	375	396	434	164	364	262
SCV163	6,181	5,989	2.5	8.69	1 x 350	150	0.7	2,625
SCV164	7,480	7,276	2.5	11.59	1 x 350	150	0.7	2,550
SCV184	9,736	9,264	2.5	15.3	1 x 400	150	0.7	3,200
SCV186	11,590	11,198	2.5	23	1 x 400	150	0.7	2,900

COMMON DATA | DOUBLE FAN

Single fan			Dimensions (mm)					
Model	Fin pitch (mm)	Connections	L	B	C	F	H	G
SCV82D	3.5	1/4"	450	471	498	80	219	163
SCV83D	3.5	1/4"	450	471	498	105	219	188
SCV84D	3.5	1/4"	450	471	498	125	219	208
SCV92D	3.5	1/4"	510	531	558	80	246	163
SCV93D	3.5	3/8"	510	531	565	105	246	188
SCV94D	3.5	3/8"	510	531	565	125	246	208
SCV104D	3.5	3/8"	550	571	610	125	270	212
SCV123D	3.5	3/8"	650	671	705	138	320	245
SCV124D	3.5	1/2"	650	671	718	159	320	265
SCV143D	2.5	1/2"	750	771	820	142	364	241
SCV144D	2.5	1/2"	750	771	820	164	364	262
SCV163D	2.5	1/2"	850	871	920	165	414	287
SCV164D	2.5	5/8"	850	871	920	185	414	300
SCV166D	2.5	5/8"	850	871	920	235	414	355
SCV186	11,590	11,198	2.5	23	1 x 400	150	0.7	2,900

I-CO-33.1

Range FC

DUAL FLOW CEILING-MOUNTED EVAPORATORS

Operating range
0.2 - 1.0 kW

- Coil and/or body can be painted with epoxy polyester or an electrophoretic coating
- Specially designed for refrigeration units, cabinets, under counters and small cold rooms
- Easy-to-remove fans without having to open the housing
- For positive and negative temperatures, electric defrosting available

Features

Coil: Made with a 3/8” copper tube in a staggered arrangement and with corrugated aluminium fins with two fin pitches: 4 mm and 6 mm.

Body: Made of plain aluminium, protected with a plastic film. Inner drip tray between the coil and body. Drain riveted to the body, avoiding leaks and drips.

Fans: Single-phase, 230 V 50/60 Hz. ABS grille, in accordance with regulations. The whole unit can be easily removed without having to open up the evaporator.

Options

- Electric defrost system connected to a junction box with IP54 protection
- Coil and body painted with epoxy polyester
- Coil treated with electrophoretic coating
- EC electric fans

Technical data

4 MM FIN PITCH

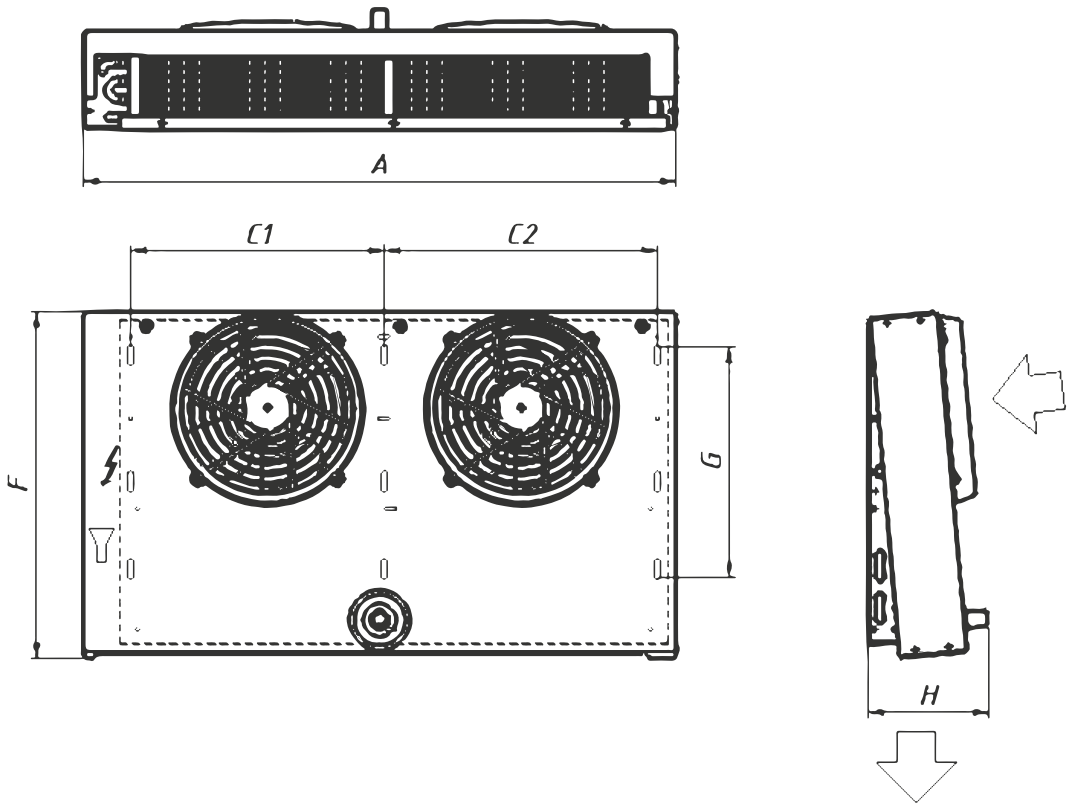
Model	Capacity Standard conditions EN328 R404A		Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (W)	SC2 TD=8 (W)			Air throw (m)	Airflow (m^3/h)	No. x Ø	A	W	
FC41A	334	229	1.3	0.5	6	320	1x200	0.2	29	4
FC61A	502	344	1.9	0.7	6	300	1x200	0.2	29	5
FC42A	669	458	2.5	0.8	6	640	2x200	0.4	58	8
FC62A	1,006	689	3.8	1.3	6	600	2x200	0.4	58	8
FC63A	1,509	1,033	5.7	1.8	6	900	3x200	0.6	87	12

6 MM FIN PITCH

Model	Capacity Standard conditions EN328 R404A			Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (W)	SC2 TD=8 (W)	SC3 TD=7 (W)			Air throw (m)	Airflow (m^3/h)	No. x Ø	A	W	
FC61B	422	289	231	1.3	0.7	6	300	1x200	0.2	29	5
FC62B	845	578	463	2.7	1.3	6	600	2x200	0.4	58	8
FC63B	1,267	867	694	4	1.8	6	900	3x200	0.6	87	12

NOMENCLATURE (FC61APE)

FC	61	A	P	E
Range	Model	Fin pitch A = 4 mm B = 6 mm	Finish P = painted J = only coil painted Ø = not painted	Defrosting E = electric Ø = no defrosting



FC | COMMON DATA

Model	Defrosting (W)	Connections		Drain (mm)	Dimen-sions					
		IN	OUT		C1 (mm)	C2 (mm)	F (mm)	A (mm)	H (mm)	G (mm)
FC41	500	9 mm	9 mm	19	325	-	410	402	142	272
FC61	500	9 mm	9 mm	19	325	-	410	402	142	272
FC42	650	9 mm	9 mm	19	301	323	410	703	142	272
FC62	650	9 mm	9 mm	19	301	323	410	703	142	272
FC63	1,000	1/2"	9 mm	19	2x301	323	410	1,004	142	272

I-CO-10.4CF

Range DF

DUAL FLOW CEILING-MOUNTED EVAPORATORS

Operating range
0.3 - 1.2 kW

- Compact design, small in size
- Specially designed for refrigeration units, under counters, enclosed display cabinets and small cold rooms
- Easy-to-remove fans without having to open the housing
- For positive and negative temperatures, electric defrosting available

Features

Coil: Made with aluminium fins with two fin pitches: 4 mm and 6 mm. Copper tube in a staggered arrangement.

Body: Made of aluminium, protected with a plastic film. Inner drip tray between the coil and body. Drain riveted to the body, avoiding leaks and drips.

Fans: Single-phase, 4-pole, 230 V 50/60 Hz. Grille in accordance with the 2006/42/EC directive. The whole unit can be easily removed without having to open up the evaporator.

Options

- Electric defrost system connected to a junction box with IP54 protection
- Coil and body painted with epoxy polyester
- Coil treated with electrophoretic coating
- EC electric fans

Technical data

4 MM FIN PITCH

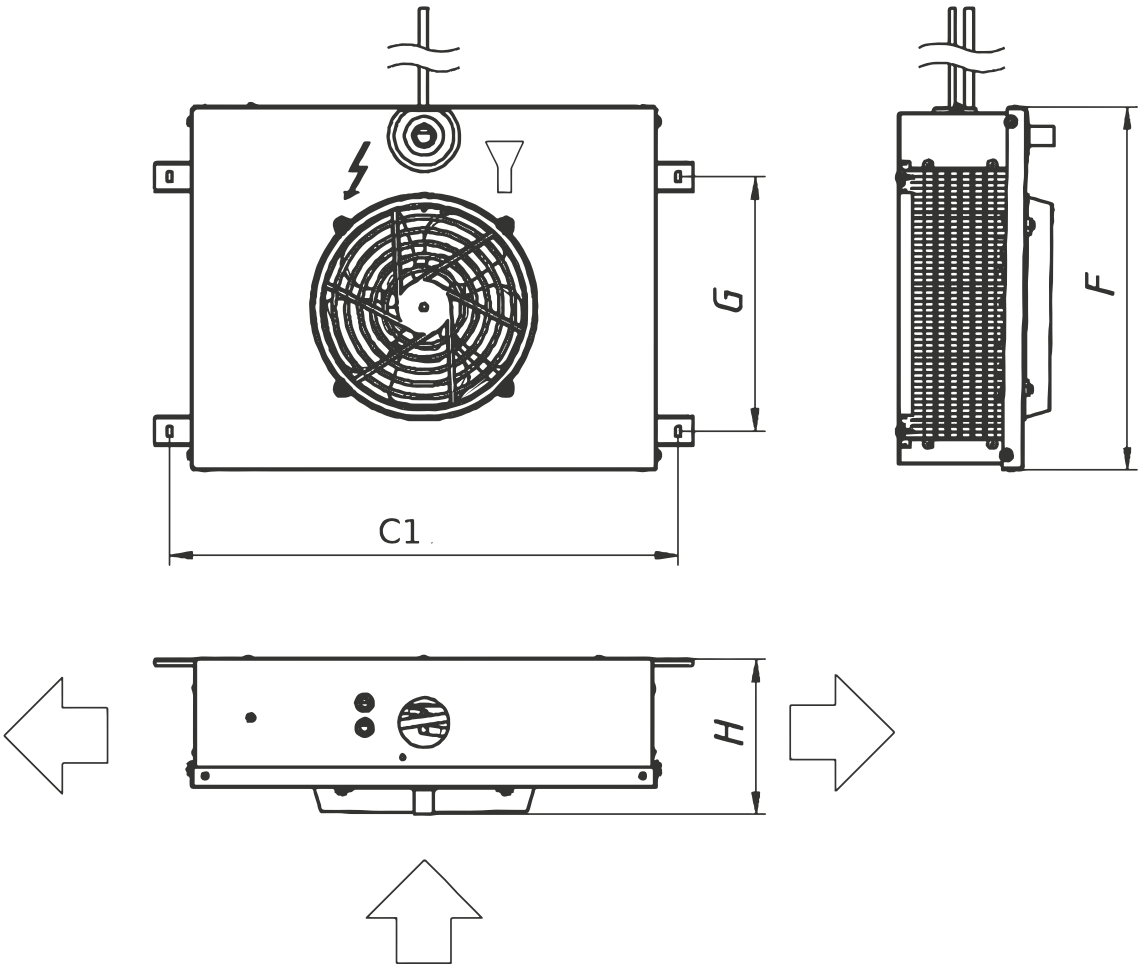
Model	Capacity Standard conditions EN328 R404A		Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (W)	SC2 TD=8 (W)			Air throw (m)	Airflow (m^3/h)	No. x Ø	A	W	
DF23A	309	212	1.1	0.2	6	420	1x200	0.2	29	5
DF45A	605	414	2.3	0.6	6	380	1x200	0.2	29	6
DF59A	793	543	3	0.8	6	630	1x250	0.3	36	8
DF88A	1,183	810	4.5	1.2	6	600	1x250	0.3	36	9

6 MM FIN PITCH

Model	Capacity Standard conditions EN328 R404A			Area (m^2)	Volume (dm^3)	Fans					Weight (kg)
	SC1 TD=10 (W)	SC2 TD=8 (W)	SC3 TD=7 (W)			Air throw (m)	Airflow (m^3/h)	No. x Ø	A	W	
DF38B	511	350	280	1.6	0.6	6	390	1x200	0.2	29	5
DF49B	659	451	361	2.1	0.8	6	650	1x250	0.3	36	8
DF73B	981	672	537	3.1	1.2	6	620	1x250	0.3	36	9

NOMENCLATURE (DF59APE)

DF	59	A	P	E
Range	Model	Fin pitch A = 4 mm B = 6 mm	Finish P = painted J = only coil painted Ø = not painted	Defrosting E = electric Ø = no defrosting



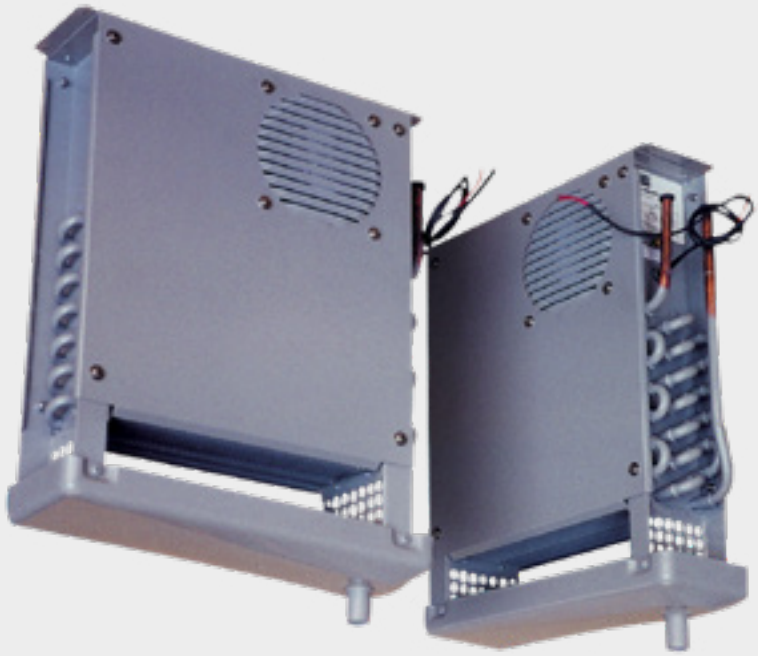
DF | COMMON DATA

Model		Defrosting (W)	Connections		Drain (mm)	Dimensions			
			IN	OUT		C1 (mm)	F (mm)	G (mm)	H (mm)
DF23A		600	6	9	19	514	367	257	158
DF45A	DF38B	600	6	9	19	514	367	257	158
DF59A	DF49B	800	6	9	19	620	449	332	167
DF88A	DF73B	800	6	9	19	620	449	332	167

I-CO-16.3-DF

Range BM

UNDER COUNTER EVAPORATORS



Operating range
0.2 - 0.6 kW

- Reduced thickness, 102 mm
- Specially designed for refrigeration units, cabinets, under counters and small cold rooms
- Grille with exclusive design, which directs the air towards the top of the cabinet, ensuring a powerful airflow
- Air discharged through one or both sides

Features

Coil: Made with aluminium fins with two fin pitches: 4 mm and 6 mm. And copper tube in a staggered arrangement. Painted with oven-polymerised epoxy polyester.

Body: Made of aluminium, painted with oven-polymerised epoxy polyester, RAL 7004. Drip tray made of thermoformed ABS.

Fans: Single-phase ball bearing fan, 230 V 50/60 Hz. Class B insulation. UL, CSA and VDE-approved.

Options

- Electric defrost system connected to a junction box with IP54 protection
- Coil treated with electrophoretic coating

NOMENCLATURE (BM31AOPE)					
BM	61	A	O	P	E
Range	Model	Fin pitch A = 4 mm B = 6 mm	Fans U = single outlet O = opposite outlets	Finish P = painted Ø = not painted	Defrosting E = electric Ø = no defrosting

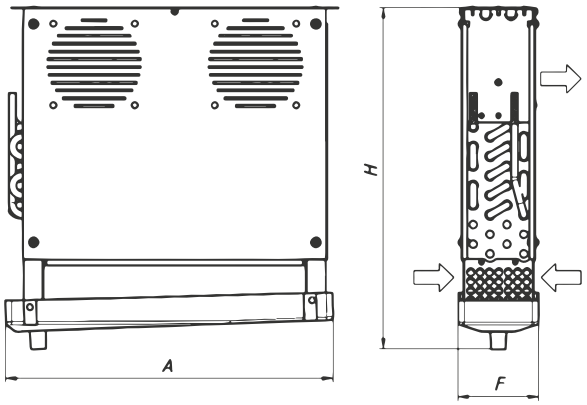
Technical data

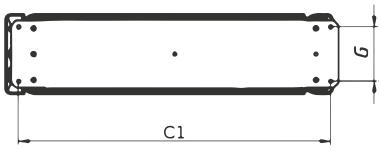
4 MM FIN PITCH

Model	Capacity Standard conditions EN328 R404A		Area (m^2)	Volume (dm^3)	Fans				Weight (kg)
	SC1 TD=10 (W)	SC2 TD=8 (W)			Airflow (m^3/h)	No. x Ø	A	W	
BM18A	269	184	1	0.4	200	2x110	0.2	40	3
BM22A	334	229	1.3	0.5	180	2x110	0.2	40	4
BM27A	403	276	1.5	0.6	170	2x110	0.2	40	4
BM31A	469	321	1.8	0.7	160	2x110	0.2	40	4
BM32A	486	332	1.8	0.7	210	2x110	0.2	40	4
BM37A	556	381	2.1	0.8	210	2x110	0.2	40	4
BM48A	650	445	2.5	0.9	200	2x110	0.2	40	5
BM52A	783	536	3	1	200	2x110	0.2	40	5

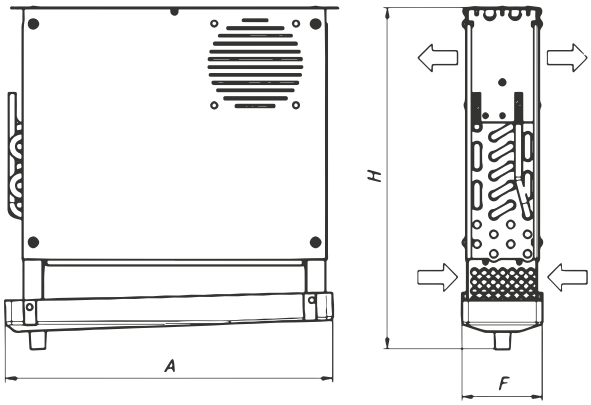
6 MM FIN PITCH

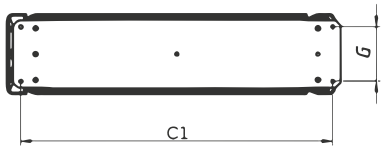
Model	Capacity Standard conditions EN328 R404A			Area (m^2)	Volume (dm^3)	Fans				Weight (kg)
	SC1 TD=10 (W)	SC2 TD=8 (W)	SC3 TD=7 (W)			Airflow (m^3/h)	No. x Ø	A	W	
BM22B	284	194	155	0.9	0.5	190	2x110	0.2	40	4
BM27B	338	231	185	1.1	0.6	180	2x110	0.2	40	4
BM31B	393	269	215	1.3	0.7	170	2x110	0.2	40	4
BM32B	407	278	223	1.3	0.7	220	2x110	0.2	40	4
BM37B	467	320	256	1.5	0.8	220	2x110	0.2	40	4
BM48B	544	373	298	1.7	0.9	210	2x110	0.2	40	4
BM52B	652	446	357	2.1	1	210	2x110	0.2	40	5





BM..U





BM..O

BM | COMMON DATA

Model	Defrosting (W)	Connections		Drain (mm)	Dimensions				
		IN	OUT		A (mm)	F (mm)	C (mm)	C1 (mm)	H (mm)
BM18	200	3/8"	3/8"	3/4"	324	102	70	305	439
BM22	200	3/8"	3/8"	3/4"	324	102	70	305	439
BM27	200	3/8"	3/8"	3/4"	324	102	70	305	439
BM31	200	3/8"	3/8"	3/4"	324	102	70	305	439
BM32	300	3/8"	3/8"	3/4"	421	103	70	400	438
BM37	300	3/8"	3/8"	3/4"	421	103	70	400	438
BM48	300	3/8"	3/8"	3/4"	420	102	70	400	437
BM52	360	3/8"	3/8"	3/4"	484	101	70	465	443

I-CO-09.4-BM

Special units

At GC Refrigeration we are highly qualified to develop custom products to meet our customers' needs, both in the field of OMS and in adaptations and designs for a variety of industrial uses.

Evaporators for HVAC

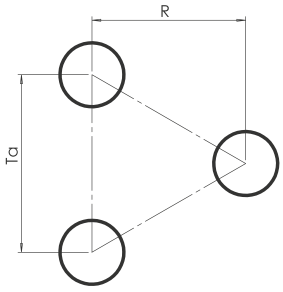
Double coil condensers

Tank cooling coils

Water-heated air curtains

Stainless steel tube ammonia condenser

Geometries



Geometry	Tube height (mm) Ta	Tube depth (mm) R	Tube diameter	Tubes (material)				Fin pitch (mm)	Applications				
				Copper	Aluminium	Slotted	Stainless		HFC	HC	CO_2	Glycol	NH_3
G	25	21.65	1/4"	●		●		1.5 - 4	●	●	●		
B	25	21.65	3/8"	●	●	●		2.1 - 8	●	●	●	●	
E	42	36.37	12	●				2.5 - 10	●		●	●	
H	60	30	5/8"	●			●	2.5 -12	●			●	●
L	60	60	5/8"	●			●	2.5 - 12	●			●	●

Quality warranty

Our extensive experience in manufacturing heat exchangers for different markets and applications has provided us with a great deal of knowledge that we apply to our products, allowing us to provide a two-year warranty against manufacturing defects for our products.

1. PRODUCT WARRANTY

1.1 The product has a TWO-year warranty that covers failures and manufacturing defects.

1.2 The warranty only covers the pieces, parts or the unit as a whole; it does not cover any costs that arise from their replacement or repair.

1.3 Delivery is deemed to have been made at the buyer's factory or warehouse.

1.4 The warranty does not cover any loss of earnings, or losses/damages that arise while the equipment is out of service.

1.5 The warranty does not cover damage caused by problems with corrosion.

1.6 The warranty does not cover defects in the operation of the product due to a fault in the materials or parts supplied by the buyer; it also does not cover any product that has not be installed as per the manufacturer's instructions. (See instruction manual).

1.7 The warranty does not cover equipment that has been modified without the express authorisation of the manufacturer.

1.8 Any damage caused by force majeure events is excluded from the warranty. As are spares or parts that are damaged by wear and tear or corrosion of the material. And damage caused by poor or non-existent maintenance (see instruction manual).

1.9 Notification of returns must be given in writing to García Cámara, S.L., after which García Cámara, S.L. will have 10 business days to collect the equipment itself, at no cost whatsoever to the customer, so that it can be replaced or refunded as soon as possible. If it fails to meet this deadline, a refund will paid directly for the equipment.

2. DAMAGE IN TRANSIT

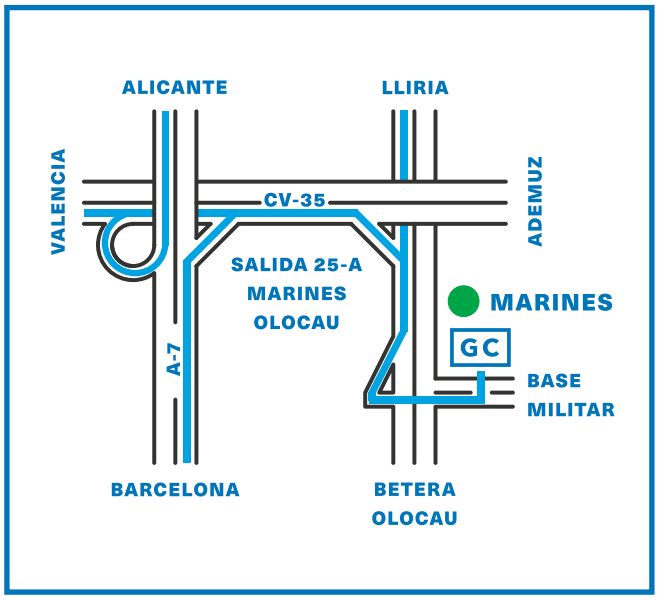
2.1 The customer is obliged to check the condition of the goods delivered by the carrier upon receiving them. Any damage suffered while in transit must be noted on the transport company's delivery note so that the appropriate claim can be made for damages.

2.2 This incident must be reported to García Cámara, S.L. within ten business days of receiving the equipment. The company must replace the material subject to the conditions set forth in section 1.9. García Cámara, S.L. will not accept any claim that has not been reported correctly.

2.3 These conditions are only applicable to freight that is prepaid by García Cámara, S.L. Transport-related claims where delivery is on a freight collect basis, i.e. it is paid for by the customer, must be submitted directly to the relevant transport company by the customer, with García Cámara, S.L. having no direct or indirect liability.

TÜV MANAGEMENT SERVICE ISO 9001 EAC CE RoHS 2002/95/EC ErP2015 EXCEEDS THE NORM

Contact



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