Application expertise

Wide & versatile ranges

Configurator & support

Alfa Laval is in the air.

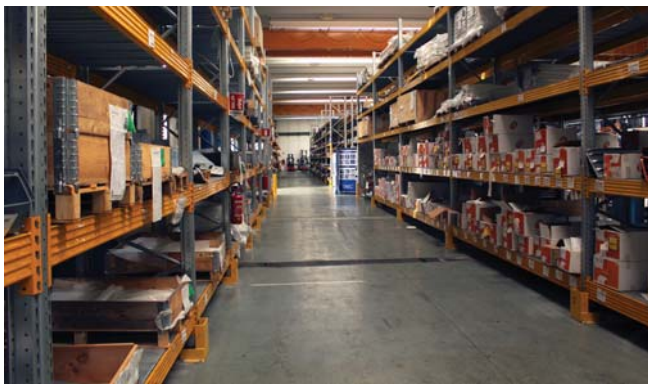
Commercial air heat exchangers from Alfa Laval

Index

Alfa Laval commercial air heat exchangers

Alfa Laval is a leading global provider of specialized products and engineered solutions. We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals. Our worldwide organization works closely with customers in over a hundred countries to help them stay ahead.

With many decades of experience as a global market leader in plate heat exchangers, Alfa Laval stepped into air heat exchangers back in the 1990s. Acquisition of still well known air heat exchanger brands Helpman® and Fincoil® further widened our product scope and know-how. Alfa Laval is now a leading supplier of air heat exchanger products. Alfa Laval air heat exchangers are used all over the world in a wide range of commercial and industrial applications.



State-of-the-art production

Alfa Laval commercial air heat exchangers are characterized by high technical standards combined with competitive pricing. And of course easy access to stock products and spares. These products are manufactured in state-of-the-art production sites in Italy and Russia. Our main production site in Alonte (IT) hosts the global distribution center and warehouse for commercial stock products and spares.

Our factories are equipped with the newest machinery and tools for design, production of coils and casing parts, assembly and even the testing of complete units. In a special facility, heat exchangers for CO_2 application are leak tested at 2500 psi test pressure.

All Alfa Laval production sites are certified according to ISO 9001 (Quality) and ISO 14001 (Environment). Alfa Laval air heat exchangers are built according to the strictest international standards in terms of safety, energy efficiency and environmental sustainability. All units are given a 2-year guarantee.

The full scope of Alfa Laval commercial air heat exchanger portfolio features Optigo® CS, CD & CC air coolers and a wide range of AlfaBlue Junior and Alfa-V single row condenser, gas cooler and dry cooler models.

Air. The perfect way to cool anything anywhere

If your business is to keep things perfectly cool – whether it's food in a supermarket, people in a shopping mall or produce in a restaurant cold room – air is your element. Cooling and conditioning the ambient air inside a cold room, can give sensitive fresh foods an optimal environment for retaining their freshness – and value. And releasing excess heat to the ambient air outside can bring down indoor temperatures to comfortable levels.

Commercial refrigeration

Alfa Laval's success in this market is founded on an application-led approach – benefitting both the builders and users of cooling installations. The food industry is a major user of Alfa Laval air heat exchangers. In the agricultural world of vegetables, potatoes and fruit, our air coolers deliver a perfectly balanced capacity/air flow ratio and optimal storage conditions for every type of produce. Close to the end of the supply chain, the retail business is one more major user of Alfa Laval commercial air heat exchangers – highly efficient, often standardized ranges of general purpose unit coolers, air-cooled condensers and dry coolers. Typical application areas are shopping centers, restaurants and warehouses.

Air heat exchangers for direct expansion as well as indirect systems are available.

Supermarket cooling

Supermarkets, with a combination of walk-in cold rooms, reach-in freezers and cold displays – all operating at different temperatures – are taking advantage of sophisticated cascaded systems using HFO/HFC and CO_2 in the different circuits. And in other refrigerated storage and transit areas throughout the food distribution chain, Alfa Laval's versatile ranges of commercial and industrial air coolers offer energy-efficient, low-noise solutions on every capacity level.

Application	Temperature range	Cooler model & capacity range (SC2)			
		CS 0,14÷2,27 RT	CCB 0,3÷15,6 RT	CC 0,3÷15,6 RT	CD 0,3÷6,8 RT
General Fresh food	(+32 / +39 °F)	0.16, 0.28 in (4, 7) mm	-	0.22, 0.28 in (5.5, 7) mm	0.22, 0.28 in (5.5, 7) mm
General Frozen food	(-13 / 0 °F)	0.28 in (7) mm	-	0.28, 0.4 in (7, 10) mm	-
Food preperation	(+39 / +59 °F)	-	0.22, 0.28 in (5.5, 7) mm	0.22, 0.28 in (5.5, 7) mm	0.22, 0.28 in (5.5, 7) mm
Agricultural products	(+28 / +35 °F)	-	0.28, 0.4 in (7, 10) mm	-	-
Distribution and logistics	(+35 / +53 °F)	-	-	0.22, 0.28, 0.4 in (5.5, 7, 10) mm	0.22, 0.28, 0.4 in (5.5, 7, 10) mm
Retail and restaurants	(0 / +39 °F)	0.16, 0.28 in (4, 7) mm	-	0.22, 0.28, 0.4 in (5.5, 7, 10) mm	0.22, 0.28, 0.4 in (5.5, 7, 10) mm

HVAC cooling
As a leading supplier to the air conditioning industry, Alfa Laval offers a complete line of commercial dry coolers and condensers for indoor cooling. In combination with our brazed and gasketed plate heat exchangers, they live up to all of these demands.

Keeping people comfortably cool wherever they work, play or relax is the most widespread cooling application. Thousands of buildings around the world are cooled by Alfa Laval's HVAC solutions, based on a number of sophisticated technologies – separately or in combination.

Shopping malls, public buildings, hotels, office complexes, sports arenas, skating rinks – even indoor ski slopes – all pose their own climate challenges. The solution in each case could involve different types of refrigerants, configurations and air-conditioning equipment. In addition to the rigorous performance and efficiency requirements for such systems, their environmental impact is emphasized more and more.

Alfa Laval: a partner you can trust

Eurovent certification

Eurovent is Europe's Industry Association for indoor climate (HVAC), refrigeration and process cooling. To meet the requirements on EN regulations and ensure a level playing field for the entire industry, Eurovent initiated certification programmes to create common sets of criteria for the rating of products. Alfa Laval participates in the Eurovent Certify All programmes for DX air coolers, air cooled condensers and dry coolers.

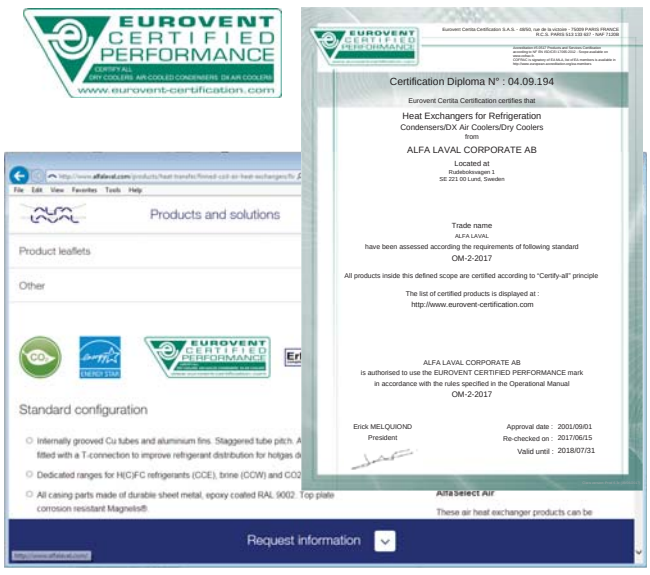
Reliable performance

All manufacturers participating in the Eurovent Certify All program are obliged to present a comprehensive list of heat exchanger models/ranges including all required performance data. These files are evaluated by Eurovent and a predefined number of units are selected for testing by independent laboratories. If the test results comply with the relevant standards, all models/ranges are listed in the Eurovent Certification online Directory. Products of each category are subject to regular random testing to verify compliance with catalogue data.

The Eurovent Certify All mark, as used on products and in publications, guarantees that products have been submitted to independent checking and have been accurately rated. For specifiers, installers and end users this implicates that our air heat exchangers will provide a reliable performance. The following product characteristics are rated:

- Standard capacity (using water for dry coolers)
- Fan power input
- Energy ratio & energy class
- Air volume flow
- Liquid side pressure drop for dry coolers
- A-weighted sound power & pressure level for condensers and dry coolers

Eurovent certification applies to all Alfa Laval products that are within the scope of the heat exchangers programme.
www.eurovent-certification.com



Alfa Laval R&D laboratory for air heat exchangers

Reliability of Alfa Laval products and performance data is a must for us. To ensure them, extensive testing campaigns are carried out in our R&D Thermal Laboratory. Performances of our existing product ranges are constantly checked, as well as those of new products under development.

Tests in the climatic chamber give us the possibility to develop products with higher performances. A deeper understanding of the heat transfer technology lead to optimized design. Our all new laboratory, built in 2014, allows us to test air coolers according to EN 328, condensers according to EN 327 and dry cooler units according to EN 1048, by satisfying all requirements of EN testing procedures.
Temperature range for the tests: -40 °F ÷ +104 °F.

The laboratory consists of:

- Calorimetric chamber for unit coolers (up to 14.2 RT), condensers and dry coolers (up to 22.7 RT) having a large heat exchange capacity.
- Balanced calorimeter for smaller unit coolers (<2.8 RT).

Thanks to presence of two test plant rigs, it is possible to test both HFC (e.g.: R404A, R507A, etc.), HFO and blends (e.g. R448A, etc.) and CO_2. The second test plant rig has been set up in 2016 and is especially designed to test CO2 units, both air coolers and gas coolers. Maximum thermal test pressure for CO_2 is 1740 psi: Alfa Laval is one of few air heat exchanger manufacturers with such high standard in-house testing facilities.

In addition it is also possible to test defrost systems for air coolers (including water defrost), droplets tests, and general airflow tests to check air distribution and noise power level according to EN 13487.

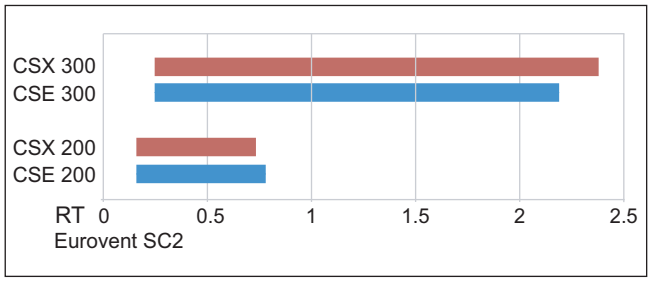
Optigo® – Simply fresh, today and tomorrow

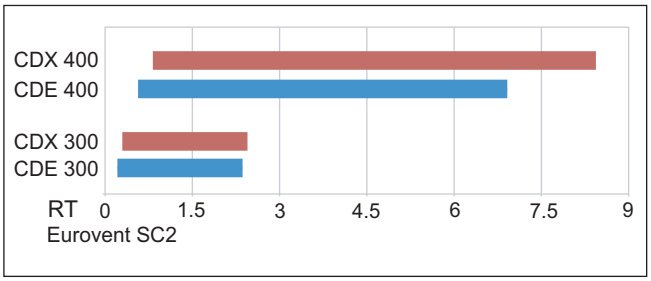
Optigo® is the Alfa Laval platform for commercial air coolers. Common distinctive features for all Optigo products are the newly developed and highly efficient cooler coil in combination with many other features, options and benefits. Optigo comes in low silhouette (CS), dual discharge (CD) and single discharge unit cooler models (CC). Dedicated ranges for HFO/HFC refrigerants (E), brine (W) and CO_2 (X). Optigo coolers are available from stock.

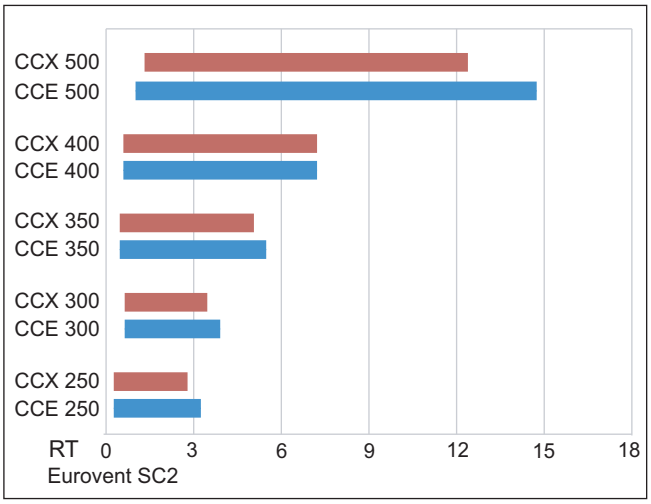
Optigo CS

Optigo CD

Optigo CC







Optigo CS - Slim line commercial air coolers

Optigo CS are commercial slim line air coolers for general application in small to medium-sized cooling and freezing rooms. CS200 are mini coolers with capacities up to 0.8 RT (SC2), where as the CS300 line has a different casing geometry and offers cooling capacities up to 2.2 RT (SC2).
All CS models are characterised by a low silhouette (only 6 in for CS200) for the efficient use of cold room space. Optigo CS coolers are available from stock.

- Suitable for all HFO and HFC DX (CSE), CO_2 DX (CSX) and brine refrigerants (CSW).
- Room temperatures +50 to -22 °F.
- Capacity range 0.157 up to 2.22 RT (SC2).
- Air volumes 1673 up to 16730 GPM.

Model	Refrigerant	Design pressure	Test pressure
CSE	HFO/HFC	580 psi	827 psi
CSX	CO_2	1160 psi	1740.5 psi
CSW	Brine	145 psi	207.5 psi

Standard configuration

- Innovative coil manufactured from internally grooved Cu tubes and aluminium fins, smooth tubing for brine applications and dedicated thicker tubes for CO2 application. Tube pitch is 1.2x1.02 in staggered, standard fin spacings 0.16 in (4 mm) and 0.28 in (7 mm). All DX models fitted with a T-connection for better refrigerant distribution.

- Coolers are provided with a set of bends for refrigerant connection from different sides of air cooler.

Benefits

- Available from stock.
- Low silhouette for efficient use of cold room space.
- Sufficient space for expansion valve inside casing.
- Eurovent certified performance (CSE models only).
- Energy efficient EC plug-in fans
- Fans pre-wired to the connection box.
- Two-year product guarantee.
- Easy access to on-line product information.

- Durable aluminium alloy casing, white epoxy coated RAL 9002. Hinged drip tray construction, inspection panel for CS200 and removable side panels for CS300. Sufficient room for mounting of expansion valve inside casing. Pre-cut passages for multiple choice connections on both sides and top. CS200 models are also available with an optional drip tray for wall mounting.

- All Optigo CS models are packed in wood-reinforced cardboard boxes, suitable for safe stacking.

Optional features

Electrical defrost E

For cold rooms with room temperatures below 39.2 °F and frost build-up is likely, the application of a defrosting system is advised. For Optigo CS, Alfa Laval supplies stainless steel heater elements mounted against the bottom plate of the coil. The defrost element can be accessed after opening the driptray. The defrost element is connected to separate terminals in the connection box. Electrical defrost is mounted as default for 0.28 in (7.0 mm) models, optional as a separate kit for 0.16 in (4.0 mm) models.

Fin protection EP CA

Fin protection is available for more aggressive climate conditions. The following fin protection types are available:

- Epoxy coated aluminium fins (EP)
- Cataphoresis treatment (CA)

Cataphoresis ('cathodic electro-deposition') is a process of coating by immersion, based on the movement of charged particles in an electric field (coating) towards an oppositely charged pole that is to be painted (coil). The complete coil is sunk into the coating basin.

Wall mounting drip tray WM

Available for CS200 only

Code description

CS	E	H	20	2	B	S	230V	WM	BO	AL	E	CBM	-	AL	7.0	CU
1	2	3	4	5	6	7	8	9	10	11	12	13		14	15	16

1 Commercial air cooler - slim line
2 Refrigerant system (E=HFO/HFC DX, W=brine, X=CO_2)
3 Fan speed (H=high speed, L=low speed)
4 Fan diameter (20=200 mm/7.9 in, 30=300 mm/11.82 in)
5 Number of fans (1 to 5)
6 Coil size code (B, C)
7 No. of phases (S=single)
8 Motor voltage
9 Wall mounted (blank=default, WM=wall mounted)
10 Packing (BO=box)
11 Casing material (AL= epoxy coated aluminium, SS=stainless steel 304)
12 Defrost system (E=electrical defrost, blank=air defrost)
13 Connection box (CBM)
14 Coil protection (AL=aluminium, EP=epoxy coated aluminium, CA=cataphoresis)
15 Fin spacing (4.0 mm/0.16 in, 7.0 mm/0.28 in)
16 Tube material (CU=copper)

Fans

All Optigo CS models are fitted with dual fan speed EC motors, pre-wired to the connection box. Power supply 230/50-60/1 or 115/50-60/1. Enclosed design spray-tight fan motors.

	EC fans ø 7.9 & 11.82 in (200 & 300 mm)
Fan blade material	Plastic PA, fibre glass reinforced
Fan guard material	Plastic PP
Air direction	Blowing through the coil
Protection class	IP54
Insulation class	B
Condensate discharge	None
Bearings	Maintenance-free ball bearings
Motor protection	Electronics overload protector
Fan speed	Dual fan speed high (H) and low (L)

Fan specifications

Model	**Fan diam.** **in**	**Power supply** **V**	**Fan speed H/L** **RPM**	**Nom. power** **W**	**Nominal current*** **A**
CS200	7.9 (200 mm)	230	2000/1500	37	0.26
CS300	11.82 (300 mm)	230	1300/900	35	0.27

* At t = 68 °F.

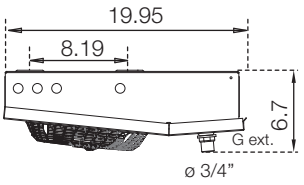
ErP compliant

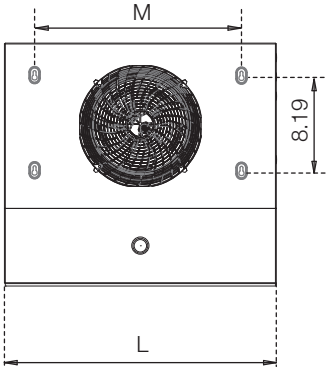
	Dimensions			Connections	
	Length	Mounting	Shipping	OD in/out	
	L	M	volume	CSE	CSX
model	in	in	gal	in	in
201B	22.3	17.72	10.57	0.48/0.48	0.48/0.48
202B	40	35.44	31.8	0.48/0.48	0.48/0.48
203B	57.72	53.15	55.48	0.48/0.56	0.48/0.48
301B	34.06	18.51	68.7	0.48/0.48	0.48/0.48
301C	34.06	18.51	68.7	0.48/0.48	0.48/0.48
302B	53.75	38.2	103.03	0.48/0.56	0.48/0.56
302C	53.75	38.2	103.03	0.63/0.63	0.48/0.56
303B	73.43	57.88	134.73	0.63/0.63	0.48/0.56
303C	73.43	57.88	134.73	0.63/0.71	0.48/0.56
304B	93.12	77.56	169.08	0.63/0.71	0.48/0.56
304C	93.12	77.56	169.08	0.63/0.79	0.48/0.56
305B	112.8	97.25	200.78	0.63/0.79	0.48/0.56
305C	112.8	97.25	200.78	0.63/0.87	0.48/0.56

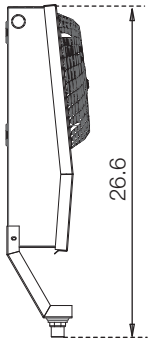
Detailed drawings showing all required mounting and refrigerant connection dimensions are available for download on www.alfalaval.com.

Dimensional drawings

CS200

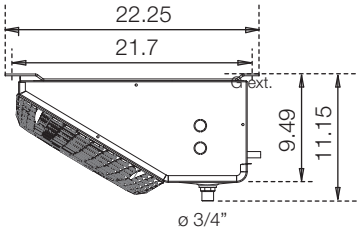


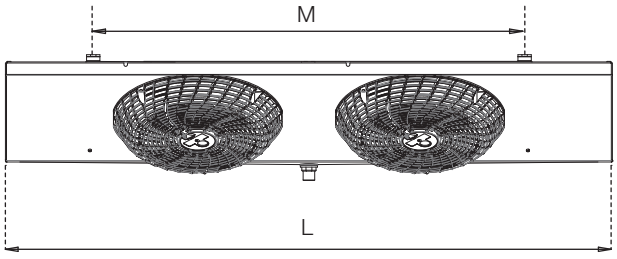




Wall mounting driptray

CS300





Optigo CD - Dual discharge air coolers

Optigo CD are commercial dual discharge air coolers for general application in small to medium-sized cooling, freezing and working rooms.
Low air velocity and noise level make them especially suitable for refrigerated working & processing rooms.
Optigo CD coolers are available from stock.

- Suitable for all HFO and HFC refrigerants (CDE), brine (CDW) and CO2 (CDX).
- Room temperatures +50 to -22 °F.
- Capacity range 0.23 up to 6.83 RT (SC2).
- Air volumes 2707.77 up to 62345 GPM.

Model	Refrigerant	Design pressure	Test pressure
CDE	HFO/HFC	580 psi	826.72 psi
CDX	CO_2	1160 psi	1653.44 psi
CDW	Brine	145 psi	207.5 psi

Standard configuration

- Innovative coil manufactured from internally grooved Cu tubes and aluminium fins, smooth tubing for brine applications and dedicated thicker tubes for CO_2 application. All DX models fitted with a T-connection for better refrigerant distribution.

cooler model	Available fin spacings (in)			
	0.16 (4.0 mm)	0.22 (5.5 mm)	0.28 (7.0 mm)	0.4 (10.0 mm)
CDE/CDW 300	✓	✓	✓	
CDE 400	✓	✓	✓	
CDW 400	✓	✓	✓	✓
CDX 300	✓	✓	✓	
CDX 400	✓	✓	✓	

- All CD300 are delivered in wood-reinforced cardboard boxes, suitable for safe stacking. All CD400 models are supplied in wooden crates in mounting position.

Benefits

- Available from stock.
- Compact size for efficient use of cold room space.
- Low air velocity and low noise for comfortable working conditions.
- Eurovent certified performance (CDE models only).
- Energy efficient EC fans.
- Easy-install and maintenance thanks to fully accessable casing construction.
- Two-year product guarantee.
- Easy access to on-line product information.

- Durable aluminium alloy casing, powder epoxy coated RAL 9002. Hinged lateral drip trays with dismountable central drain box. Fully dismountable and openable casing for cleaning purposes. Pre-cut passages for multiple choice connections. Internal air deflectors enhance coil efficiency.

Optional features

Electrical defrost E

- For cold rooms with room temperatures below 39.2 °F frost build-up is likely and the application of a defrosting system is advised. Electrical defrost for Optigo CD consists of stainless steel heater elements mounted in both coil and driptray. The defrost elements are connected to separate terminals in the connection box.

Electrical defrost capacities

Model		Coil defrost			Driptray defrost		
	Tube rows no.	heater ele-ments no.	power per heater W	total power W	heater ele-ments no.	power per heater W	total power W
CD301	4/6	-	-	-	2	475	950
CD302	4/6	-	-	-	2	800	1600
CD303	4/6	-	-	-	2	1300	2600
CD304	4/6	-	-	-	2	1600	3200
CD401 B	4	4	500	2000	2	400	800
CD401 C	6	6	500	3000	2	400	800
CD402 B	4	4	1200	4800	2	800	1600
CD402 C	6	6	1200	7200	2	800	1600
CD403 B	4	4	1700	6800	2	1200	2400
CD403 C	6	6	1700	10200	2	1200	2400
CD404 B	4	4	2200	8800	2	1600	3200
CD404 C	6	6	2200	13200	2	1600	3200
CD405 B	4	4	2700	10800	2	2220	4440
CD405 C	6	6	2700	16200	2	2220	4440

Driptray insulation IS
Available for CD400 only.

Re-heating coil RH

Central connection box CB
Fan motors wired to central connection box.
Standard for EC fan motors.

Repair switch SW
Available for CD400 only.

Stainless steel AISI 304 casing & frame SS

Fin protection EP CA
Fin protection is available for more aggressive climate conditions. The following fin protection types are available:

- Epoxy coated aluminium fins (EP)
- Cataphoresis treatment (CA)

Cataphoresis ('cathodic electro-deposition') is a process of coating by immersion, based on the movement of charged particles in an electric field (coating) towards an oppositely charged pole that is to be painted (coil). The complete coil is sunk into the coating basin.

Code description

CD	E	H	E	40	2	.2	B	S	230V	BO	PC	E	CB	-	AL	7.0	CU	IS
1	2	3	4	5	6	7	8	9	10	11	12	13	14		15	16	17	18

1 Commercial air cooler - dual discharge
2 Refrigerant system (E=HFO/HFC DX, W=brine, X=CO_2)
3 Fan speed (H=high speed, L=low speed)
4 Fan motor type (blank=AC, E=EC)
5 Fan diameter (30=300 mm/11.82 in, 40=400 mm/15.75 in)
6 Number of fans (1 to 5)
7 Coil size code (B, C)
8 CD version
9 No. of phases (S=1, T=3)
10 Motor voltage
11 Packing (BOP=box+pallet, CR=crate)
12 Casing material (PC= epoxy coated aluminium, SS stainless steel AISI 304)
13 Defrost system (A=air defrost, E=electrical defrost)
14 Connection box (blank=without connection box, CB/CBM=with connection box)
15 Coil protection (AL=aluminium, EP=epoxy coated aluminium, CA=cataphoresis)
16 Fin spacing (4.0, 5.5, 7.0, 10) mm (0.16, 0.22, 0.28, 0.4) in
17 Tube material (CU=copper)
18 Options

Fans

Optigo CD coolers are available with 1 to 5 fans fitted with AC or EC fan motors in two fan speed executions (noise levels) H/L. Fan diameters 300 mm (11.82 in) or 400 mm (15.75 in) blowing through the coil. Motors with dynamically and statically balanced external rotors.

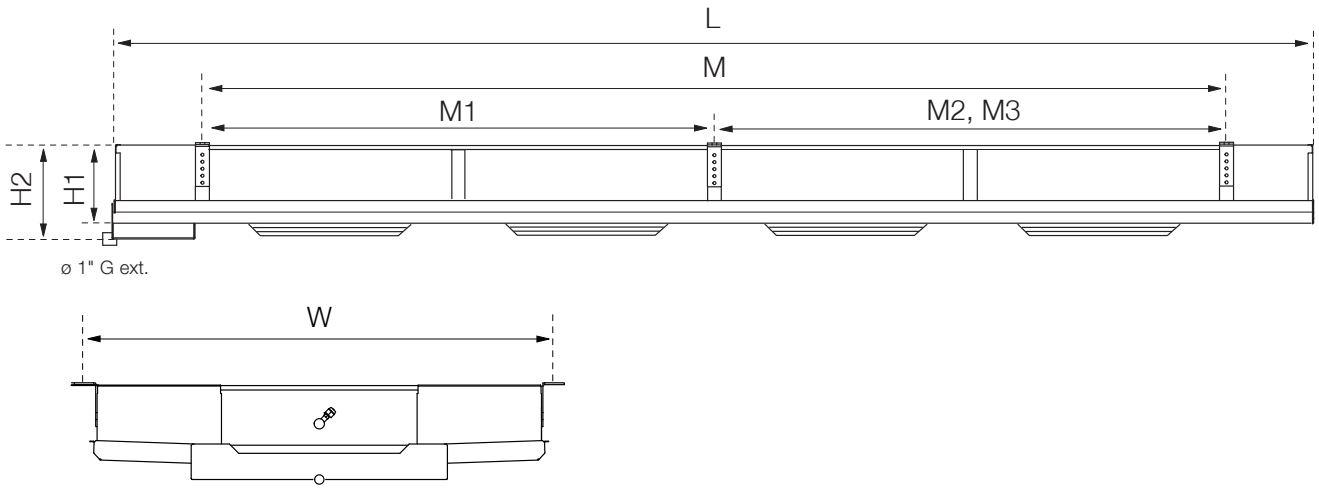
	EC ø 300 mm 11.82 in	EC ø 400 mm 15.75 in	AC ø 300 mm 11.82 in		AC ø 400 mm 15.75 in	
Fan blade material	Plastic PA, fibre glass reinforced	PP-GF40 plastic	Sheet steel, black coated		Press fitted sheet steel, pp coated	
Fan guard material	Plastic PP	Sheet metal, coated black	Steel, phosphated and black plastic coated		Sheet metal, coated black	
Protection class	IP54	IP54	IP44		IP44	
Insulation class	B	B	B		F	
Condensate discharge	None	None, open rotor	Rotor side		Rotor side	
Bearings	Maintenance-free ball bearings	Maintenance-free ball bearings	Maintenance-free ball bearings		Maintenance-free ball bearings	
			1 ph	3 ph	1 ph	3 ph
Motor protection	Electronics	Electronics	Thermal overload protector wired internally	Thermostat switch	Thermal overload protector wired internally	Thermostat switch
Fan speed	Dual fan speed high (H) and low (L)	Dual fan speed high (H) and low (L)	-	Dual fan speed high (H) and low (L)	-	Dual fan speed high (H) and low (L)

Fan specifications

Fan diameter mm(in)	AC/EC	Poles nr.	Volt V	Phases nr.	Fan speed code	Freq. Hz	Fan speed rpm	Nominal power W	Nominal current* A
300(11.82)	EC	-	230	1	H	50	1300	35	0.27
					L	50	900		
300(11.82)	AC	4	230	1	H	50	1320	72	0.32
300(11.82)	AC	4	400	3	H	50	1300	68	0.14
400(15.75)	EC	-	230	1	H	50	1080	140	1.15
					L	50	905		
400(15.75)	AC	4	230	1	H	50	1430	210	1.12
						60	1700	290	1.51
400(15.75)	AC	4	400	3	H	50	1440	330	0.72
						60	1670	420	0.84
400(15.75)	AC	6	230	1	L	50	940	140	0.74
						60	1080	180	0.90
400(15.75)	AC	6	400	3	L	50	900	120	0.34
						60	970	170	0.42

* At t = 68 °F.

Dimensions



cooler model	Dimensions (in)								Shipping volume gal
	L	W	H1	H2	M	M1	M2	M3	
CD 301	37.37	39.85	6.7	8	21.66	-	-	-	132.09
CD 302	59.02	39.85	6.7	8	43.31	-	-	-	211.34
CD 303	80.67	39.85	6.7	8	64.97		-	-	264.18
CD 304	102.33	39.85	6.7	8	86.62	43.31	43.31	-	396.26
CD 401	44.14	45.67	13.78	15.75	32.29	-	-	-	290.59
CD 402	75.2	45.67	13.78	15.75	63.35	-	-	-	475.6
CD 403	106.3	45.67	13.78	15.75	94.45	-	-	-	686.85
CD 404	137.44	45.67	13.78	15.75	125.6	62.21	63.39	-	845.36
CD 405	168.51	45.67	13.78	15.75	156.7	62.21	31.13	63.39	1030.28

Optigo CC - Commercial unit coolers

Optigo CC are commercial single discharge unit coolers for general application in small to medium-sized cooling, freezing and working rooms.
A wide range of models make them especially suitable for refrigerated working, processing and storage rooms.
Optigo CC coolers are available from stock.

- Dedicated ranges for HFO and HFC refrigerants (E), brine (W) and CO2 (X).
- Available in both draw & blow through execution.
- Room temperatures -22 to +50 °F.
- Capacity range 0.29 up to 15.64 RT (SC2).
- Air volumes 3390 up to 132086 GPM.

Model	Refrigerant	Design pressure	Test pressure
CC(B) E	HFO/HFC	580 psi	826.72 psi
CC(B) X	CO_2	1160 psi	1653.44 psi
CC(B) W	Brine	145 psi	207.5 psi

Standard configuration

- Internally grooved Cu tubes and aluminium fins, smooth tubing for brine applications and dedicated thicker tubes for CO_2 application. Tube pitch is staggered. All HFC DX models fitted with a T-connection to improve the refrigerant distribution and for hotgas defrost in coil.

T-connection for hot-gas ready

cooler model	Fin spacing in				
	0.16 (4.0 mm)	0.22 (5.5 mm)	0.28 (7.0 mm)	0.4* (10.0 mm)	0.48* (12.0 mm)
CC 250	✓	✓	✓		
CC 300	✓	✓	✓		
CC 350	✓	✓	✓		
CC 400	✓	✓	✓		
CC 500	✓	✓	✓	✓	✓

* Fin spacing not available for CCX/CCBX

- Optigo CC 250/300/350 models are delivered in wood-reinforced cardboard boxes, CC 400/500 models in wooden crates. All packings suitable for safe stacking.

Benefits

- Available from stock.
- Sufficient space for expansion valve inside casing.
- Hot-gas defrost ready.
- Eurovent certified performance (CCE models only).
- Energy efficient EC fans.
- Easy-install and maintenance. Vertically adjustable drip tray & removable inner drip tray. Hinged side panels.
- Two-year product guarantee.
- Easy access to on-line product information.

- All casing parts made of durable sheet metal, epoxy coated RAL 9002. Top plate corrosion resistant Magnelis®. All models fitted with hinged side panels and aluminium drip tray. Drip tray is adjustable for perfect leveling. Removable internal drip tray for inspection & cleaning.

Optional features

Shutup socks S
For enhanced defrost efficiency.

Airsock adapter ring SR
Available for CC400 and CC500 draw-through models only.

Driptray insulation IS

Fan ring heater FRH

Re-heating coil RH

Central connection box CB
Fan motors wired to central connection box.

Repair switch SW

Stainless steel 304 casing & frame SS

Fin protection EP CA
Fin protection is available for more aggressive climate conditions. The following fin protection types are available:

- Epoxy coated aluminium fins (EP)
- Cataphoresis treatment (CA)
  Cataphoresis ('cathodic electro-deposition') is a process of coating by immersion, based on the movement of charged particles in an electric field (coating) towards an oppositely charged pole that is to be painted (coil). The complete coil is sunk into the coating basin.

Code description

CC	B	E	H	E	50	1	.2	A	S	230V	BO	-	SS	E	EP	-	7.0	CU	IS
1	2	3	4	5	6	7	8	9	10	11	12		13	14	15		16	17	18

1 Commercial unit cooler
2 Air direction (blank=draw through, B=blow through)
3 Refrigerant system (E=HFO/HFC DX, W=brine, X=CO_2)
4 Fan speed (H=high speed, L=low speed)
5 Fan motor type (blank=AC, E=EC)
6 Fan Ø (25=250 mm/9.85 in, 30=300 mm/11.82 in*, 35=350 mm/13.78 in, 40=400 mm/15.75 in, 50=500 mm/19.69 in)
7 Number of fans (1 to 4)
8 CC version
9 Tube rows code (A, B, C)
10 No. of phases (S=1, T=3)
11 Motor voltage
12 Packing (BO=box, CR=crate)
13 Casing material (PC= powder coated, SS stainless steel AISI 304)
14 Defrost system (A=air defrost, E=electrical defrost, HG= hotgas, HG+E= hotgas + electic defrost in driptray)
15 Coil protection (AL=aluminium, EP=epoxy coated aluminium, CA=cataphoresis)
16 Fin spacing (4.0, 5.5, 7.0, 10.0, 12.0) mm (0.16, 0.22, 0.28, 0.4, 0.48) in
17 Tube material (CU=copper)
18 Options

** available only for blow through design*

- **Defrost systems** E HD HG

For cold rooms with room temperatures below 39.2 °F and where frost build-up is likely, the application of a defrosting system is advised. Available defrost systems are electrical defrost in coil (E) and driptray (HD), and hotgas defrost in driptray (HG). Electrical defrost for Optigo CC consists of stainless steel heater elements. The defrost elements are connected to separate terminals in the connection box.

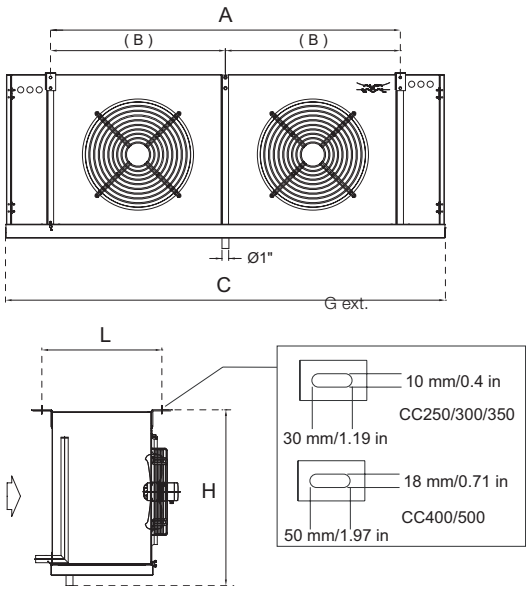
Model	Tube rows no.	Coil defrost					Driptray defrost			
		heater elements no.		power per heater W	total power W		heater elements no.		total power W	
		std	heavy		std	heavy	std	heavy	std	heavy
251A	4	2	-	420	840	-	1	-	420	-
251B	6	2	-	420	840	-	1	-	420	-
251C	8	4	-	420	1680	-	1	-	420	-
252A	4	2	-	760	1520	-	1	-	760	-
252B	6	2	-	760	1520	-	1	-	760	-
252C	8	4	-	760	3040	-	1	-	760	-
253A	4	2	-	1120	2240	-	1	-	1120	-
253B	6	2	-	1120	2240	-	1	-	1120	-
253C	8	4	-	1120	4480	-	1	-	1120	-
254A	4	2	-	1470	2940	-	1	-	1470	-
254B	6	2	-	1470	2940	-	1	-	1470	-
301A*	4	2	-	420	840	-	1	-	420	-
301B*	6	2	-	420	840	-	1	-	420	-
301C*	8	4	-	420	1680	-	1	-	420	-
302A*	4	2	-	760	1520	-	1	-	760	-
302B*	6	2	-	760	1520	-	1	-	760	-
302C*	8	4	-	760	3040	-	1	-	760	-
303A*	4	2	-	1120	2240	-	1	-	1120	-
303B*	6	2	-	1120	2240	-	1	-	1120	-
303C*	8	4	-	1120	4480	-	1	-	1120	-
304A*	4	2	-	1470	2940	-	1	-	1470	-
304B*	6	2	-	1470	2940	-	1	-	1470	-
351A	4	4	-	460	1840	-	1	-	460	-
351B	6	4	-	460	1840	-	1	-	460	-
351C	8	5	-	460	2300	-	1	-	460	-
352A	4	4	-	880	3520	-	1	-	880	-
352B	6	4	-	880	3520	-	1	-	880	-
352C	8	5	-	880	4400	-	1	-	880	-
353A	4	4	-	1290	5160	-	1	-	1290	-
353B	6	4	-	1290	5160	-	1	-	1290	-
353C	8	5	-	1290	6450	-	1	-	1290	-
354A	4	4	-	1700	6800	-	1	-	1700	-
354B	6	4	-	1700	6800	-	1	-	1700	-

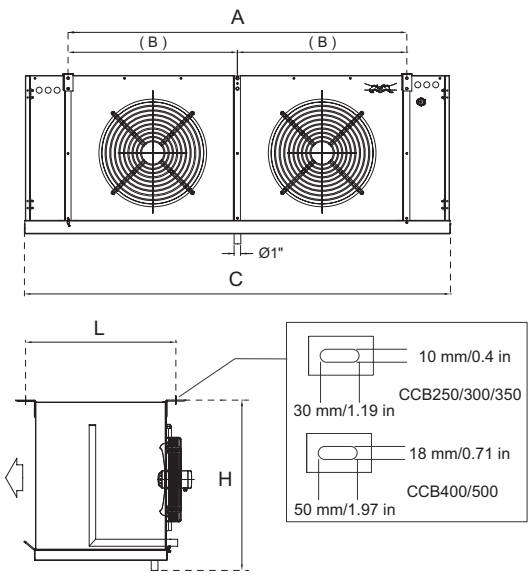
Model	Tube rows no.	Coil defrost					Driptray defrost			
		heater elements no.		power per heater W	total power W		heater elements no.		total power W	
		std	heavy		std	heavy	std	heavy	std	heavy
401A	4	5	7	460	2300	3220	1	2	460	920
401B	6	5	7	460	2300	3220	1	2	460	920
401C	8	8	10	460	3680	4600	1	2	460	920
402A	4	5	7	880	4400	6160	1	2	880	1760
402B	6	5	7	880	4400	6160	1	2	880	1760
402C	8	8	10	880	7040	8800	1	2	880	1760
403A	4	5	7	1290	6450	9030	1	2	1290	2580
403B	6	5	7	1290	6450	9030	1	2	1290	2580
403C	8	8	10	1290	10320	12900	1	2	1290	2580
404A	4	5	7	1700	8500	11900	1	2	1700	3400
404B	6	5	7	1700	8500	11900	1	2	1700	3400
404C	8	8	10	1700	13600	17000	1	2	1700	3400
501A	4	5	7	630	3150	4410	1	2	630	1260
501B	6	5	7	630	3150	4410	1	2	630	1260
501C	8	8	10	630	5040	6300	1	2	630	1260
502A	4	5	7	1220	6100	8540	1	2	1220	1440
502B	6	5	7	1220	6100	8540	1	2	1220	1440
502C	8	8	10	1220	9760	12200	1	2	1220	1440
503B	6	5	7	1810	9050	12670	1	2	1810	3620
503C	8	8	10	1810	14480	18100	1	2	1810	3620
504B	6	5	7	2400	12000	16800	1	2	2400	4800
504C	8	8	10	2400	19200	24000	1	2	2400	4800

**only for blow-through models*

Dimensions

cooler model	Dimensions (in)					Shipping volume
	C	H	L	A	B	gal
Draw-through CC						
CC 251	31.93	16.65	16.46	20	-	105.67
CC 252	51.93	16.65	16.46	40	-	158.51
CC 253	71.93	16.65	16.46	60	-	211.34
CC 254	91.93	16.65	16.46	80	39.97	264.2
CC 351	31.93	23.7	16.46	20	-	132.1
CC 352	51.93	23.7	16.46	40	-	184.93
CC 353	71.93	23.7	16.46	60	-	264.2
CC 354	91.93	23.7	16.46	80	39.97	343.43
CC 401	41.18	26.3	22.95	23.62	-	237.76
CC 402	64.80	26.3	22.95	47.24	-	343.43
CC 403	88.43	26.3	22.95	70.87	-	449.1
CC 404	112.05	26.3	22.95	94.49	47.25	581.18
CC 501	51.06	33.62	22.95	33.47	-	343.43
CC 502	84.53	33.62	22.95	66.93	-	528.35
CC 503	117.99	33.62	22.95	100.4	-	713.27
CC 504	151.46	33.62	22.95	133.86	66.93	924.61
Blow-through CCB						
CCB 251	31.93	16.62	23.98	20	-	105.67
CCB 252	51.93	16.62	23.98	40	-	158.51
CCB 253	71.93	16.62	23.98	60	-	237.76
CCB 254	91.93	16.62	23.98	80	40	290.59
CCB 301	31.93	18.98	23.98	20	-	132.1
CCB 302	51.93	18.98	23.98	40	-	184.93
CCB 303	71.93	18.98	23.98	60	-	237.76
CCB 304	91.93	18.98	23.98	80	40	317.1
CCB 351	41.19	23.86	25.63	23.63	-	184.93
CCB 352	64.81	23.86	25.63	47.25	-	264.2
CCB 353	88.43	23.86	25.63	70.87	-	396.26
CCB 354	112.05	23.86	25.63	94.49	47.25	501.93
CCB 401	41.19	26.19	25.63	23.63	-	211.34
CCB 402	64.81	26.19	25.63	47.25	-	317.1
CCB 403	88.43	26.19	25.63	70.87	-	422.68
CCB 404	112.05	26.19	25.63	94.49	47.25	528.35
CCB 501	51.07	33.63	35.52	33.47	-	449.1
CCB 502	84.53	33.63	35.52	66.93	-	713.27
CCB 503	118	33.63	35.52	100.4	-	977.44
CCB 504	151.46	33.63	35.52	133.86	66.93	1241.7





Fans

	ø 250 mm 9.85 in	ø 300 mm* 11.82 in	ø 350 mm 13.78 in	ø 400 mm 15.75 in	ø 500 mm 19.69 in
AC fans 230/50/1					
Fan blade material	Sheet steel, black coated	Sheet steel, black coated	Sheet steel, black coated	Sheet steel, black coated	Metal sheet (PP plastic sprayed*)
Fan guard material	Steel, phosphated and black plastic coated	Steel, phosphated and black plastic coated	Steel, phosphated and black plastic coated	Steel, phosphated and black plastic coated	Steel, phosphated and black plastic coated
Protection class	IP44	IP44	IP44	IP44	IP54
Insulation class	B	B	F	B	F
Condensate discharge	Rotor side	Rotor side	Rotor side	Rotor side	Rotor side
Bearings	Maintenance-free ball bearings	Maintenance-free ball bearings	Maintenance-free ball bearings	Maintenance-free ball bearings	Maintenance-free ball bearings
Motor protection	Thermal overload protector wired internally	Thermal overload protector wired internally	Thermal overload protector wired internally	Thermal overload protector wired internally	Thermal overload protector wired internally
AC fans 230-400/50/3					
Fan blade material	Sheet steel, black coated	Sheet steel, black coated	Sheet steel, black coated	Sheet steel, black coated	Metal sheet (PP plastic sprayed*)
Fan guard material	Steel, phosphated and black plastic coated	Steel, phosphated and black plastic coated	Steel, phosphated and black plastic coated	Steel, phosphated and black plastic coated	Steel, phosphated and black plastic coated
Protection class	IP44	IP44	IP44	IP54	IP54
Insulation class	B	B	F	F	F
Condensate discharge	Rotor side	Rotor side	Rotor side	Rotor side	Rotor side
Bearings	Maintenance-free ball bearings	Maintenance-free ball bearings	Maintenance-free ball bearings	Maintenance-free ball bearings	Maintenance-free ball bearings
Motor protection	Thermostat switch	Thermostat switch	Thermostat switch	Thermostat switch	Thermostat switch
Fan speed	Dual fan speed high (H) and low (L)	-	Dual fan speed high (H) and low (L)	Dual fan speed high (H) and low (L)	Dual fan speed high (H) and low (L)
EC fans					
Fan blade material	Hyblade (fiberglass)	Hyblade (fiberglass)	Hyblade (fiberglass)	Hyblade (fiberglass)	Hyblade (fiberglass)
Fan guard material	Steel, phosphated and black plastic coated	Steel, phosphated and black plastic coated	Steel, phosphated and black plastic coated	Steel, phosphated and black coated	Steel, phosphated and black coated
Protection class	IP54	IP54	IP54	IP54	IP54
Insulation class	B	B	B	B	B
Condensate discharge	None, open rotor	None, open rotor	None, open rotor	Rotor side	Rotor side
Bearings	Maintenance-free ball bearings	Maintenance-free ball bearings	Maintenance-free ball bearings	Maintenance-free ball bearings	Maintenance-free ball bearings
Motor protection	Electronics	Electronics	Electronics	Electronics	Electronics
Fan speed	Dual fan speed high (H) and low (L)	Dual fan speed high (H) and low (L)	0-10V speed regulation	0-10V speed regulation	0-10V speed regulation

**CCB only*

Fan diameter mm(in)	AC/EC	Poles nr.	Volt V	Phases nr.	Fan speed code	Freq. Hz	*Fan speed rpm	*Nominal power W	*Nominal current A
Draw-through AC fans 230/50/1									
250(9.85)	AC	2	230	1	H	50-60	2250	118	0.65
250(9.85)	AC	4	230	1	L	50-60	1350	45	0.26
350(13.78)	AC	4	230	1	H	50-60	1400	130	0.70
350(13.78)	AC	6	230	1	L	50-60	945	65	0.37
400(15.75)	AC	4	230	1	H	50-60	1380	219	1.16
400(15.75)	AC	6	230	1	L	50-60	870	120	0.64
500(19.69)	AC	4	230	1	H	50-60	1300	680	3.60
500(19.69)	AC	6	230	1	L	50-60	910	300	1.56
Draw-through AC fans 230-400/50/3									
250 (9.85)	AC	2	230-400	3	H	50-60	2500	100	0.24
350 (13.78)	AC	4	230-400	3	H	50-60	1370	170	0.77
400 (15.75)	AC	4	400	3	H	50-60	1340	280	0.66
400 (15.75)	AC	6	400	3	L	50-60	900	120	0.34
500 (19.69)	AC	4	400	3	H	50-60	1390	720	1.69
500 (19.69)	AC	6	400	3	L	50-60	870	290	0.89
Draw-through EC fans									
250 (9.85)	EC		230	1	H L	50-60	2250 1350	83	0.72
350 (13.78)	EC		230	1	H L	50-60	1400 945	165	1.35
400 (15.75)	EC		230	1	H L	50-60	1380 870	140	1.15
500 (19.69)	EC		230	1	H L	50-60	1300	750	3.40
500 (19.69)	EC		380-480	3	H L	50-60	1390 1180	720	1.41
Blow-through AC fans 230/50/1									
250 (9.85)	AC	2	230	1	H	50-60	2270	134	0.70
250 (9.85)	AC	4	230	1	L	50-60	1350	45	0.26
300 (11.82)	AC	2	230	1	H	50-60	2560	162	0.85
300 (11.82)	AC	4	230	1	L	50-60	1320	72	0.38
350 (13.78)	AC	4	230	1	H	50-60	1400	180	0.97
350 (13.78)	AC	6	230	1	L	50-60	910	74	0.42
400 (15.75)	AC	4	230	1	H	50-60	1380	219	1.16
400 (15.75)	AC	6	230	1	L	50-60	870	120	0.64
500 (19.69)	AC	4	230	1	H	50-60	1300	680	3.60
500 (19.69)	AC	6	230	1	L	50-60	865	220	1.16
Blow-through AC fans 230-400/50/3									
250 (9.85)	AC	2	230-400	3	H	50-60	2310	127	0.26
300 (11.82)	AC	4	400	3	L	50-60	1300	68	0.17
350 (13.78)	AC	4	230-400	3	H	50-60	1370	170	0.77
400 (15.75)	AC	4	400	3	H	50-60	1400	229	0.64
500 (19.69)	AC	4	400	3	H	50-60	1390	720	1,69
500 (19.69)	AC	6	400	3	L	50-60	920	260	0,83
Blow-through EC fans									
250 (9.85)	EC		230	1	H L	50-60	2330 1310	83	0.72
300 (11.82)	EC		230	1	H L	50-60	1900 1350	170	1.35
350 (13.78)	EC		230	1	H L	50-60	1530 1045	165	1.35
400 (15.75)	EC		230	1	H L	50-60	1250 1000	400	2.60
500 (19.69)	EC		230	1	H L	50-60	1400 900	750	3.40
500 (19.69)	EC		400	3	H L	50-60	1400 1000	980	1.60

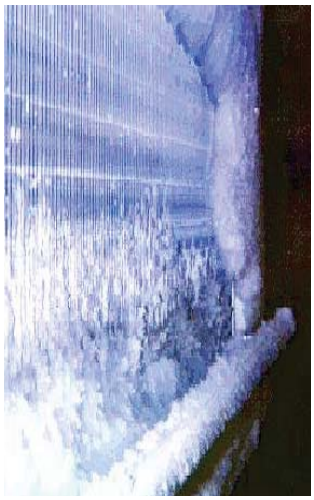
* Specifications for 50Hz and 230V for 230-400 fans, 400V for 380-480 fans. Nominal current current at t = 68 °C.

Application determines design: defrost

When operating air coolers, proper defrosting is crucial. Frost builds up in the cooler coil depending on factors like room temperature, evaporating temperature and relative humidity. If not removed in a correct way, excessive frost build-up will result in a decrease of cooling capacity, air volume, and a significant increase of absorbed fan energy.

About 75% of issues raised with regards to malfunctioning of air coolers are related to defrosting. Common issues encountered include ice buildup in the drip tray and bottom plate, bad air distribution caused by uneven frost or ice buildup in the coil, and reduced airflow. These happen due to possible errors, such as an inadequate defrost system, stopping the defrost period too early, too many defrost periods per day, inefficient time settings of the defrost process, and unsufficient checks on the remaining frost or ice in the air cooler.

For Alfa Laval Optigo® commercial air coolers, several defrost systems and defrost related options are available. To obtain optimal results, defrost systems must be correctly designed. Insufficient defrost power or incorrecly distributed heater elements will result in either long defrosting periods (extended interruptions of the cooling process will affect storage conditions and hence product quality!) or incomplete removal of frost. Incomplete frost removal will cause the build-up of solid ice in the coil, resulting in irrepairable damage to the air cooler.



Defrost systems & application

Defrost system	CC	CD	CS	Application
Forced air defrost	✓	✓	✓	Room temperatures above +2 °C/+35.6 °F
Electrical defrost	✓	✓	✓	Room temperatures down to -10°C/+14 °F
Electrical defrost heavy	✓			Room temperatures down to -25°C/-13 °F
Hotgas defrost in coil	✓			Room temperatures down to -25°C/-13 °F
Hotgas defrost in coil & driptray	✓			Room temperatures down to -25°C/-13 °F
Hotgas defrost coil + electrical defrost in driptray	✓			Room temperatures down to -25°C/-13 °F
Shut-up sock	✓			Enhance defrost efficiency
Driptray insulation	✓	✓		Enhance defrost efficiency and avoid condensation in the driptray
Fan ring heater	✓			Room temperatures below -10 °C/+14 °F

Defrost system	Benefits	Disadvantages	When to use
Forced air defrost	• Requires only fan energy • No extra investments • Low surface temperatures • Control can be easily integrated into the cooling process • Melting energy is taken from the available air in the cold room, thus generating extra cold air.	• Relatively long defrost periods • Only suitable for cold room temperatures above +2 °C / +35.6 °F	• Room temperatures above +2 °C/+35.6 °F. • Mostly small cold rooms for meat and agricultural produce
Electrical defrost	• Relatively low investments • Defrost system control is easy to integrate within the cooling process • Reliable • Breakdowns can be solved with relative ease	• Relatively long defrost periods • Use of expensive electrical energy • Relatively low energetic yield • Relatively high surface temperatures	• Forced air circulation not possible
Hot gas defrost	• Relatively short defrost periods • Energy 'for free' • Reliable • Relatively low surface temperatures	• Relatively high investments • Relatively difficult to integrate within the cooling process	• Forced air circulation not possible • Hot gas is available • For larger cooling systems with several coolers

Application determines design: anti-corrosion

When operating air coolers, the risk of corrosion shall be considered. Corrosive agents might be generated by the products to be refrigerated or by the processes which they are subjected: in those cases proper anti-corrosion protection is crucial.

The table below is to be used as quick reference for selection, and covers most air coolers typical applications. Recommended material combinations are based on experience in the application. No warranty claims can be derived therefrom, as the concentrations of the gases released by the goods to be cooled and the effects of the cleaning agents have a decisive influence on the service life of the units.

Same row means: absolutely same material combinations.

Application		Coil			Casing			Notes
		Tubes	Fins	Coil frame	Internal driptray	External casing	External driptray	
Meat	Normal use	Cu	Al	STD	STD	STD	STD	
	Precooling rooms for half carcases	Cu	EP/CA	STD	STD	STD	STD	Additional regular washing recommended
	Processing rooms	Cu	Al/EP	STD	STD	STD	STD	Additional regular washing recommended SS casing recommended in case of high hygienic requirements/frequent cleaning
				SS	SS	SS	SS	
	Cold room for smoked products	Cu/SS	Al/EP/CA	STD	STD	STD	STD	Possible agressive air conditions
				SS	SS	SS	SS	
	Room for salt meat	SS	SWR*/EP/CA	SS	SS	SS	SS	
	Cold room for salted products	SS	SWR*/EP/CA	STD	STD	STD	STD	
				SS	SS	SS	SS	
	Pickled products	SS	EP	SS	SS	SS	SS	High presence of acids
Fish	Fresh fish (wet)	Cu	EP/SWR*	STD	STD	STD	STD	
				SS	SS	SS	SS	
	Salting room	SS	SWR*	SS	SS	SS	SS	
	Pickled or salads products	SS	EP/SWR*	SS	SS	SS	SS	High concentration of vinegar
	Cold room for smoked fish	Cu / SS	Al/EP	STD	STD	STD	STD	Possible agressive air conditions
				SS	SS	SS	SS	
Beverages	Normal use	Cu	Al	STD	STD	STD	STD	
	Fermenting cellars with high SO2 concentration	Cu/SS	Al/EP/CA	STD	STD	STD	STD	Installation of UC above the fermentation vats
				SS	SS	SS	SS	
	Cooling of wine cellars (packed bottles)	CU	Al/EP/CA	STD	STD	STD	STD	Room with bottles only

Application		Coil			Casing			Notes
		Tubes	Fins	Coil frame	Internal driptray	External casing	External driptray	
Dairy	Normal use	Cu	Al	STD	STD	STD	STD	
	Storage room for cheese /cream, (e.g. Emmental, Camembert, Parmesan)	SS	EP/CA	STD	STD	STD	STD	Low generating of NH3 and low relative humidity
				SS	SS	SS	SS	
	Storage and ripen room for cheese (e.g. Gruyere, Appenzeller, Daubo, Tilsit, Raclett)	SS	EP/CA	SS	SS	SS	SS	High generating of NH3 and high air humidity (humidification)
	Dairy plants with vapours of milk and butyric acid	Cu	EP/CA	STD	STD	STD	STD	
	Packaged cheese	Cu	Al	STD	STD	STD	STD	
Pasta	Normal use	Cu	Al	STD	STD	STD	STD	
	Cold room for fermenta-tion-stop	Cu/SS	EP	SS	SS	SS	SS	High Fin Spacing, due to presence of flour dust in the ambient
	Chill rooms for hot baker's ware exhalling vapours from baking additives	SS	Al	STD	STD	STD	STD	High Fin Spacing, due to presence of flour dust in the ambient
Fruit	Normal use	Cu	Al	STD	STD	STD	STD	Small DT1
	Cold and Storage room for Citrus fruits	Cu	Al	STD	STD	STD	STD	Take care of ventilation
Vegetables & flowers	Normal use	Cu	Al	STD	STD	STD	STD	Small DT1
Others	Deep freezing room (storage)	Cu	Al	STD	STD	STD	STD	Normal product in package
	Logistic warehouse	Cu	Al	STD	STD	STD	STD	Normal product in package

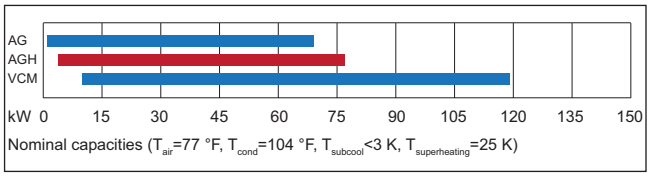
Legenda	
STD	Standard
EP	Epoxy coating
CA	Cataphoresis
Al	Aluminium
SS	Stainless steel 304
Cu	Copper
SWR*	Fins seawater resistant aluminium alloy (SWR) *available only for Optigo CC 500 and Arctigo industrial range

Alfa Laval commercial outdoor equipment

Commercial air-cooled condensers, gas coolers and liquid coolers. Available in horizontal or vertical setup (AlfaBlue Junior) or as V-type (Alfa-V single row). Available with either copper or stainless steel tubing. The Alfa Laval outdoor portfolio includes a wide variety of design options and accessories.

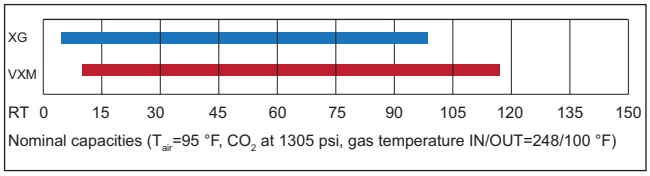
Alfa-V single row

Condensers capacity range



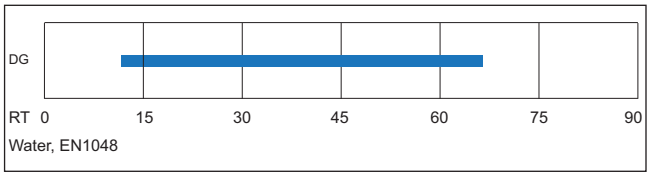
AlfaBlue Junior
Condenser and gas cooler

Gas coolers capacity range



AlfaBlue Junior
Liquid cooler

Liquid coolers capacity range



AlfaBlue Junior AG - Commercial condensers

AlfaBlue Junior is a competitive condenser line that offers excellent performance, allowing easy installation on site and an outstanding integration with other components. Highly efficient fan motors combine excellent sound characteristics and low energy consumption. AlfaBlue Junior AG condensers can be used in commercial refrigeration and HVAC installations.

- Suitable for all HFO and HFC refrigerants
- Capacities* 14.48 up to 68.45 RT
  *T_{air}=77 °F, T_{cond}= 104 °F, $T_{subcool}$<3 K, $T_{superheating}$=25 K)

Model	Refrigerant	Design pressure	Test pressure
AG	HFO/HFC	479 psi	682 psi
AGH	R410A	653 psi	943 psi

Standard configuration

- Innovative coil design manufactured from Cu tubes and corrugated aluminium turbo fins. Standard fin spacing 2.1 mm (0.083 in). Each heat exchanger is leak tested with dry air and finally supplied with a nitrogen pre-charge.

- Patented coil frame design allowing thermal expansion and offering protection against vibration (f.i. during transportation). Corrosion resistant casing material, coated RAL9002. Separated fan sections.

- High efficiency AC or EC fans with innovative polymeric fan blades and low power consumption. Available in three fan diameters 350, 500 & 630 mm (13.78, 19.69, 24.81 in), different power supplies (230/50-60/1, 400/50-60/3) and four noise levels. Protection class IP 54 according to DIN 40050.
  AC motors are fitted with integrated thermo contacts to provide reliable protection against thermal overload (terminals in the box). Motors may be wired to one or more common connection boxes.

- A special range of high pressure condensers (design pressure 653 psi) is available with circuiting design optimized for refrigerant R410A. This AGH range has been specifically developed for HVAC applications and may be tailor made for OEM use.

- All units are packed and shipped in horizontal airflow position. AlfaBlue Junior 351, 352, 353, 501 & 502 units are mounted on a wooden pallet and covered with a sturdy cardboard box. All other models are mounted on a wooden pallet, wrapped with plastic foil and covered with an open crate

Benefits

- Reduced refrigerant charge
- Excellent sound characteristics, suitable for residential applications
- Energy efficient
- Easy installation & maintenance
- Eurovent certified performance (applicable refrigerant only).
- Two-year product guarantee.
- Easy access to on-line product information.

Optional features

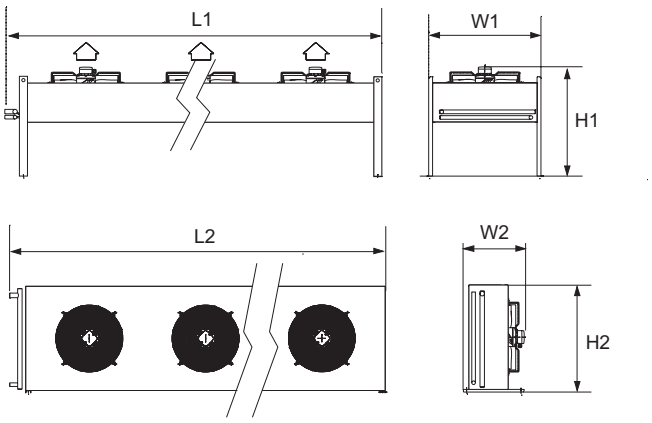
- Switch on/off (SW)
- Connection box for electrical power connection (CB)
- Fan speed control 230/1 and 400/3 (FP)
- Coil options:
  - Epoxy coated fins (EP)
  - Fins seawater resistant aluminium alloy (SWR)
  - Copper fins (CU)
  - Blygold treatment (BY)
  - F-coat treatment (FC)
  - Industrial fins (IF)
  - Fin spacing 2.5 mm (0.1 in). Other fin spacings on request.
- Vibration dampers (VD)
- End covers (CV)
- Mounting feet kit for vertical airflow

Customization (on request features)

- Split circuits (50/50 %)
- Sub-cooling circuit
- Reverse setup (fitted with blow through fans, for high air-in temperature applications)
- Heat pump application

AG(H) type	fans	Dimensions in* L1	H1	W1	L2	H2	W2
351	1	32.3	23.63	21.58	32.3	20.83	15.36
352	2	56	23.63	21.58	56	20.83	15.36
353	3	79.53	23.63	21.58	79.53	20.83	15.36
501	1	45.87	35.04	35.4	45.87	32.52	20.16
502	2	81.3	35.04	35.4	81.3	32.52	20.16
503	3	116.74	35.04	35.4	116.74	32.52	20.16
504	4	152.17	35.04	35.4	152.17	32.52	20.16
631	1	49.83	47.41	43.39	49.83	40.79	29.93
632	2	89.18	47.41	43.39	89.18	40.79	29.93
633	3	128.55	47.41	43.39	128.55	40.79	29.93
634	4	167.92	47.41	43.39	167.92	40.79	29.93
635	5	207.29	47.41	43.39	207.29	40.79	29.93
636	6	246.66	47.41	43.39	246.66	40.79	29.93

* Full dimensional details in instruction manual & website



Code description

AG	H	S(E)	35	2	.2	A	S	H/V	BO	*	-	AL	2.1	CU	R410A	*
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15	16

1 AlfaBlue Junior condenser
2 High pressure range for R-410A (blank=default, H=R410A)
3 Sound level/fan code: S=standard, L=low, Q=quiet, R=residential, E=EC fan motor)
4 Fan diameter (35=350 mm/13.78 in, 50=500 mm/19.69 in, 63=630 mm/24.8 in)
5 Number of fans (1 to 6)
6 Version number
7 Tube rows code (A, B, C)
8 Phases (S=1 phase, D=3 phases)
9 Units are suitable for both horizontal and vertical airflow (mounting feet kit required for vertical airflow setup).
10 Transport packing (BO=box, CR=crate)
11 Options
12 Fin material/coating (AL=aluminium, IF=industrial fins, SWR=AlMg2.5, CU=Copper, EP=epoxy coated alu, FC=F-coat, BY=Blygold)
13 Fin spacing (2.1, 2.5) mm (0.08, 0.1) in
14 Tube material (CU=copper)
15 Refrigerant (for H-execution only)
16 Option codes

AlfaBlue Junior XG - CO_2 gas coolers

AlfaBlue Junior is a competitive gas cooler line that offers excellent performance, allowing easy installation on site and an outstanding integration with other components. Highly efficient fan motors combine excellent sound characteristics and low energy consumption. AlfaBlue Junior XG gas coolers have been

- Specifically designed for CO_2 refrigerant systems.
- Capacities ranging from 4.27 up to 69.39 RT.
  * air temperature=95 °F, CO_2 at 1305 psi, gas temperature in/out=248/100°F

Model	Refrigerant	Design pressure	Test pressure
XG	CO_2	1740 psi	2494 psi

Standard configuration

- An innovative coil design based on K65 tubes, Cu alloy connections and corrugated aluminium turbo fins provides excellent heat transfer. Standard fin spacing 0.08 in (2.1 mm). Circuiting design is fully optimized to the thermodynamic properties of CO_2. Each heat exchanger is leak tested with high pressure nitrogen and finally supplied with a nitrogen pre-charge.

- Patented coil frame design allowing thermal expansion and offering protection against vibration (f.i. during transportation). Corrosion resistant casing material, coated RAL9002. Separated fan sections.

- High efficiency AC or EC fans with innovative polymeric fan blades and low power consumption. Available in three fan diameters 350, 500 & 630 mm (13.78, 19.69 & 24.8 in), different power supplies (230/50-60/1, 400/50-60/3) and four noise levels. Protection class IP 54 according to DIN 40050. AC motors are fitted with integrated thermo contacts to provide reliable protection against thermal overload (terminals in the box). Motors may be wired to one or more common connection boxes.

- All units are packed and shipped in horizontal airflow position. AlfaBlue Junior 351, 352, 353, 501 & 502 units are mounted on a wooden pallet and covered with a sturdy cardboard box. All other models are mounted on a wooden pallet, wrapped with plastic foil and covered with an open crate.

Benefits

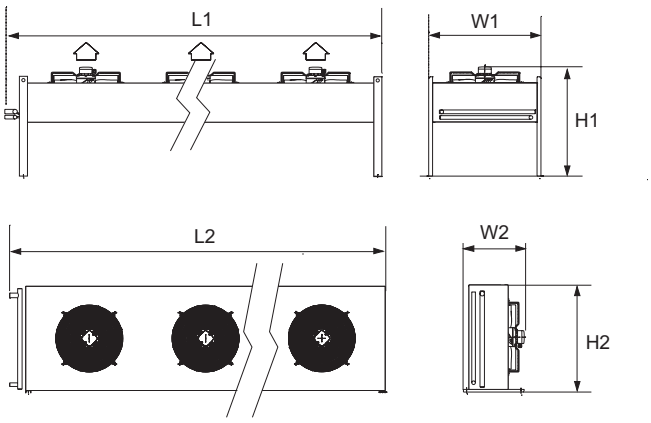
- Fully optimized design for CO_2
- Reduced refrigerant charge
- Excellent sound characteristics, suitable for residential applications
- Energy efficient
- Easy installation & maintenance
- Two-year product guarantee.
- Easy access to on-line product information.

Optional features

- Switch on/off (SW)
- Connection box for electrical power connection (CB)
- Fan speed control 230/1 and 400/3 (FP)
- Coil options:
  - Epoxy coated fins (EP)
  - Fins seawater resistant aluminium alloy (SWR)
  - Copper fins (CU)
  - Blygold treatment (BY)
  - F-coat treatment (FC)
  - Industrial fins (IF)
  - Fin spacing 0.1 in (2.5 mm). Other fin spacings on request.
- Vibration dampers (VD)
- End covers (CV)
- Mounting feet kit for vertical airflow
- Stainless steel header tubes for on-site welding connections

XG type	fans	Dimensions in*					
		L1	H1	W1	L2	H2	W2
351	1	32.3	23.63	21.58	32.3	20.83	15.36
352	2	56	23.63	21.58	56	20.83	15.36
353	3	79.53	23.63	21.58	79.53	20.83	15.36
501	1	45.87	35.04	35.4	45.87	32.52	20.16
502	2	81.3	35.04	35.4	81.3	32.52	20.16
503	3	116.74	35.04	35.4	116.74	32.52	20.16
504	4	152.17	35.04	35.4	152.17	32.52	20.16
631	1	49.83	47.41	43.39	49.83	40.79	29.93
632	2	89.18	47.41	43.39	89.18	40.79	29.93
633	3	128.55	47.41	43.39	128.55	40.79	29.93
634	4	167.92	47.41	43.39	167.92	40.79	29.93
635	5	207.29	47.41	43.39	207.29	40.79	29.93
636	6	246.66	47.41	43.39	246.66	40.79	29.93

* Full dimensional details in instruction manual & website



Code description

XG	S(E)	50	2	.1	B	D	H/V	BO	*	-	AL	2.1	K65	*
1	2	3	4	5	6	7	8	9	10		11	12	13	14

1 AlfaBlue Junior gas cooler
2 Sound level/fan code: T=high performance, S=standard, L=low, Q=quiet, R=residential, E=EC fan motor)
3 Fan diameter (35=350 mm/13.78 in, 50=500 mm/19.69 in, 63=630 mm/24.8 in)
4 Number of fans (1 to 6)
5 Version number
6 Tube rows code (A, B, C)
7 Phases (S=1 phase, D=3 phases)
8 Units are suitable for both horizontal and vertical airflow (mounting feet kit required for vertical airflow setup).
9 Transport packing (BO=box, CR=crate)
10 Options
11 Fin material/coating (AL=aluminium, IF=industrial fins, SWR=AlMg2.5, CU=Copper, EP=epoxy coated alu, FC=F-coat, BY=Blygold)
12 Fin spacing (2.1, 2.5) mm (0.08, 0.1) in
13 Tube material (copper K65)
14 Extra options

AlfaBlue Junior DG - Commercial Dry Coolers

AlfaBlue Junior DG is a competitive dry cooler line that offers excellent performance, allowing easy installation on site and an outstanding integration with other components. Highly efficient fan motors combine excellent sound characteristics and low energy consumption. AlfaBlue Junior dry coolers are often used for cooling down condenser water in air-conditioning and refrigeration installations. In the processing industry, dry coolers are suitable for closed circuit cooling of various process liquids.

- Capacities* 12.8 up to 66.26 RT
  *water, EN1048

Model	Design pressure	Test pressure
DG	145.04 psi	217.56 psi

Standard configuration

- Innovative coil design manufactured from Cu tubes and corrugated aluminium turbo fins. Standard fin spacing 0.08 in (2.1 mm). Liquid connections threaded ext. Each heat exchanger is leak tested with dry air.
- Patented coil frame design allowing thermal expansion and offering protection against vibration (f.i. during transportation). Corrosion resistant casing material, coated RAL9002. Separated fan sections.
- High efficiency AC or EC fans with innovative polymeric fan blades and low power consumption. Available in two fan diameters (500 & 630 mm/19.69 & 24.8 in), different power supplies (230/50-60/1, 400/50-60/3) and four noise levels. Protection class IP 54 according to DIN 40050. AC motors are fitted with integrated thermo contacts to provide reliable protection against thermal overload (terminals in the box). Motors may be wired to one or more common connection boxes.
- All units are packed and shipped in horizontal airflow position. AlfaBlue Junior 501 & 502 units are mounted on a wooden pallet and covered with a sturdy cardboard box. All other models are mounted on a wooden pallet, wrapped with plastic foil and covered with an open crate.

Benefits

- Excellent sound characteristics, suitable for residential applications
- Energy efficient
- Easy installation & maintenance
- Low total cost of ownership
- Two-year product guarantee.
- Easy access to on-line product information.

Optional features

- Switch on/off (SW)
- Connection box for electrical power connection (CB)
- Fan speed control 230/1 and 400/3 (FT)

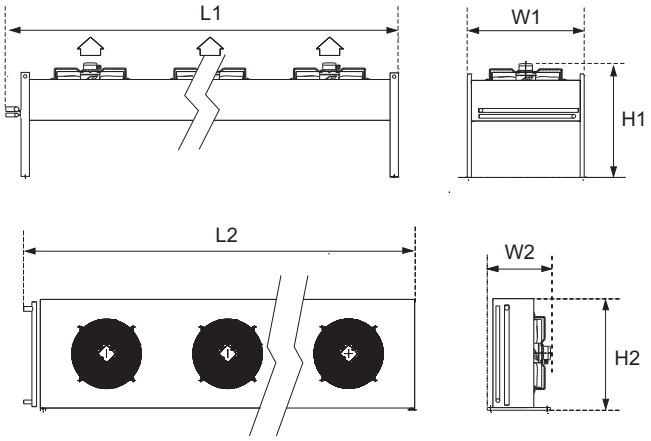
- Coil options:
  - Epoxy coated fins (EP)
  - Fins seawater resistant aluminium alloy (SWR)
  - Copper fins (CU)
  - Blygold treatment (BY)
  - F-coat treatment (FC)
  - Industrial fins (IF)
  - Fin spacing 0.1 in (2.5 mm). Other fin spacings on request.
- Vibration dampers (VD)
- End covers (CV)
- Mounting feet kit for vertical airflow
- Aluminium flanges (FL)

Customization (on request features)

- Reverse setup (fitted with blow through fans, for high air-in temperature applications)

DG type	fans	Dimensions in* L1	H1	W1	L2	H2	W2
501.1	1	45.87	35.04	35.4	45.87	32.52	20.16
502.1	2	81.3	35.04	35.4	81.3	32.52	20.16
503.1	3	116.74	35.04	35.4	116.74	32.52	20.16
504.1	4	152.17	35.04	35.4	152.17	32.52	20.16
631.1	1	49.8	47.4	43.39	49.8	40.79	29.93
632.1	2	89.17	47.4	43.39	89.17	40.79	29.93
633.1	3	128.54	47.4	43.39	128.54	40.79	29.93
634.1	4	167.91	47.4	43.39	167.91	40.79	29.93
635.1	5	207.28	47.4	43.39	207.28	40.79	29.93
636.1	6	246.65	47.4	43.39	246.65	40.79	29.93

* Full dimensional details in instruction manual & website



Code description

DG	S(E)	50	2	.1	B	D	H/V	BO	*	-	AL	2.1	CU	*
1	2	3	4	5	6	7	8	9	10		11	12	13	14

1 AlfaBlue Junior dry cooler
2 Sound level/fan code: S=standard, L=low, Q=quiet, R=residential, E=EC fan motor)
3 Fan diameter (50=500 mm/19.69 in, 63=630 mm/24.8 in)
4 Number of fans (1 to 6)
5 Version number
6 Tube rows code (A, B, C)
7 Phases (S=1 phase, D=3 phases)
8 Units are suitable for both horizontal and vertical airflow (mounting feet kit required for vertical airflow setup).
9 Transport packing (BO=box, CR=crate)
10 Options
11 Fin material/coating (AL=aluminium, IF=industrial fins, SWR=AlMg2.5, CU=Copper, EP=epoxy coated alu, FC=F-coat, BY=Blygold)
12 Fin spacing (2.1, 2.5) mm (0.08, 0.1) in
13 Tube material (CU=copper)
14 Extra options

Alfa-V single row - commercial V-range

Alfa Laval supports a sustainable environment. Therefore our Alfa-V Single Row air-cooled condenser and gas coolers range has been designed according to the following principles:

- material wastes reduced to an absolute minimum
- V-angle with its exceptional guiding optimizes airflow
- low coil resistance reduces energy consumption of the fan motors.

Alfa-V Single Row has been specifically designed for commercial refrigeration and air conditioning. Its main purpose is to reject small to medium heat loads in a modest footprint. Alfa-V Single Row also offers many other features to comply with the highest demands in state-of-the-art refrigeration installations in for instance city-size supermarkets.

- Suitable for all HFO/HFC refrigerants and CO_2
- Capacities VCM 9.96 up to 119.71 RT (SC2)
- Capacities* VXM 11.95-115.45 RT

  * air temperature=95 °F, CO_2 at 1305 psi, gas temperature in/out=248/100°F

Model	Refrigerant	Design pressure	Test pressure
VCM	HFO/HFC	478.63 psi	681.68 psi
VXM	CO_2	1740 psi	2494 psi

Standard configuration

- An innovative coil design based copper tubes and corrugated aluminium turbo fins provides excellent heat transfer at a minimized refrigerant charge. Standard fin spacing is 0.08 in (2.1 mm). VXM Circuiting design is fully optimized to the thermodynamic properties of CO2. Stainless steel header tubes for on-site welding connections.

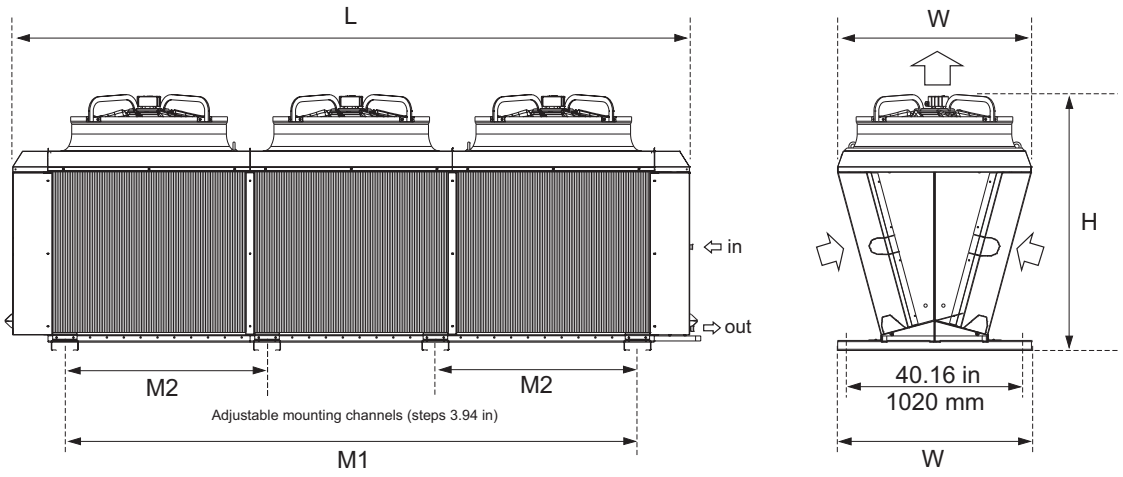
- Casing material is galvanized steel sheet, pre-painted with an epoxy finish (RAL9002). Separated fan sections.

- EC and AC fan motors 400/50/3 available in two fan diameters (800 & 910 mm/31.5 & 35.83 in) and different noise levels. The motors are with external rotor, protection class IP54 according to DIN 40050. Integrated thermal protection by thermo contacts provides reliable protection against thermal overload. Motors are wired to one or more common connection boxes.

Benefits

- Excellent sound characteristics, suitable for residential applications
- Adjustable mounting feet
- Reliable performance, Eurovent certified (VCM)
- Reduced refrigerant charge
- Energy efficient - low total cost of ownership
- Easy installation & maintenance
- Heavy duty materials for a long product life
- Two-year product guarantee.
- Easy access to on-line product information.

Model	Fans	Transport dimensions			Weight	Mounting channels		
		Length L	Height H	Width W			M1	M2
	no.	in	in	in	lb	no.	in	in
V*M 801	1	64.38	57.13	45.28	507.07	2	31.5	-
V*M 802	2	103.75	57.13	45.28	866.42	2	70.87	-
V*M 803	3	143.12	57.13	45.28	1227.98	4	110.24	31.5
V*M 804	4	182.49	57.13	45.28	1589.54	4	149.61	39.38
V*M 805	5	221.86	57.13	45.28	1951.1	4	188.98	70.87
V*M 806	6	261.23	57.13	45.28	2312.65	4	228.35	70.87
V*M 901	1	72.29	59.85	45.28	573.21	2	39.38	-
V*M 902	2	119.52	59.85	45.28	1058.22	2	86.62	-
V*M 903	3	166.78	59.85	45.28	1543.24	4	133.86	47.25
V*M 904	4	214.02	59.85	45.28	2028.26	4	181.2	51.19
V*M 905	5	261.26	59.85	45.28	2513.27	4	228.35	86.62



Optional features

- Multi-circuiting
- Sub-cooling circuit (VCM)
- Non-standard fin spacing
- Coil corrosion protection
  - Epoxy coated fins (EP)
  - Fins seawater resistant aluminium alloy (SWR)
  - Copper fins (CU)
  - Blygold treatment (BY)
  - F-coat treatment (FC)
  - Fin spacing 0.08 in (2.5 mm). Other fin spacings on request.
- Vibration dampers
- Special fan motors
  - 480/3/60 (IP54)
  - Protection class IP55
  - High-temperature motors
  - High performance EC fans
- Electrical options
  - Switch on/off
  - Motors wired to a common connection box
  - Switchboard (IP56)
  - EMC approval

Code description

VCM	S(E)	80	3	B	D	*	-	AL	2.1	CU	*
1	2	3	4	5	6	7		8	9	10	11

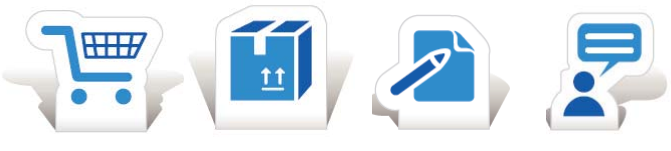
1 Alfa-V Single Row condenser (VCM) / gas cooler (VXM)
2 Sound level/fan code (S=standard, L=low, Q=quiet, R=residential, E=EC fan motor)
3 Fan diameter (80=800 mm/31.5 in, 90=910 mm/35.83 in)
4 Number of fans (1 to 6)
5 Tube rows code (A, B, C)
6 Fan motor connection (D=delta, Y=star)
7 Electrical options
8 Fin material/coating (AL=aluminium, EP=epoxy coated aluminium, FC=F-coat, BY=Blygold)
9 Fin spacing (2.1, 2.5) mm (0.08, 0.1) in
10 Tube material (CU=copper, K65=K65 copper)
11 Options

Freedom, simplicity and competitive power

To facilitate product selection, purchasing and even order tracking, Alfa Laval's state-of-the-art selection & ebusiness tools is always available, both on & off-line.

Alfa Laval Anytime
Find, configure and order your Alfa Laval products with just a few simple clicks, 24/7. In our ebusiness platform Alfa Laval Anytime you can also manage your quotes and orders with net prices, view your order status and follow up on your order history. Apart from this, you will find comprehensive product information. Anytime offers instant access to:

- Product catalogue
- Spare parts finder
- Product documentation
- Your product prices
- Alice: our integrated product selection and configuration tool, featuring the full commercial range
- Easy online order
- Real-time stock & order tracking
- Please contact Alfa Laval and register as an Anytime user.



AlfaSelect Air
Our off-line computer selection software AlfaSelect Air offers separate modules for mechanical and thermal configuration, as well as instant access to selection and pricing of optional extras. The thermal configuration module offers an integrated cold room calculator. This tool allows users to calculate the required cooling capacity for a cold room and consequently use the calculated value in the air cooler selection procedure.

AlfaSelect Air offers a fully sortable selection output, and an interface that offers multiple language options. The AlfaSelect data sheet printout provides all relevant technical specifications for the selected cooler model, including detailed dimensional drawings. AlfaSelect Air can be easily downloaded via the internet and offers an auto-update function.

Cold room calculator app

Air cooler capacities should match with the specific conditions of each cold room. So prior to air cooler selection, a calculation must be made to determine the expected heat load for the cold room.

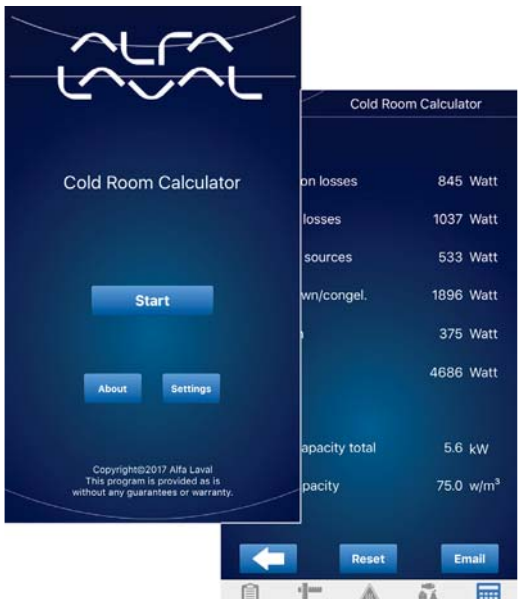
Rules of thumb or accuracy?

For making cold room calculations refrigeration installers can rely on experience based and widely used 'rules of thumb' : 15-20 watt/m^3 for a large frozen storage room, 60-70 watt/m^3 for a fresh fruit cooling room, etc. Convenient, quick, but not very accurate.

A more accurate method is to use refined calculation formulas in combination with product data tables. This can be done manually or using commercial cold room calculation software. This is relatively time consuming and if for instance the room door remains open a little longer than planned, so much for calculation accuracy…

Quick & easy

To offer a convenient solution, Alfa Laval developed quick & easy cold room calculation software. Our non-academic tool enables customers to make quick and reliable calculations for cold/freezing rooms. With mobile technology rapidly developing, Alfa Laval translated this cold room calculation software into a mobile app for smartphones and tablets. The app is available for free in both Apple & Google app stores.



App name	Alfa Laval Cold Room Calculator
Platform	iOS & Android
Languages	Arabic, Bulgarian, Chinese, Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Polish, Portuguese, Romanian, Russian, Serbian, Slovenian, Spanish, Swedish, Turkish

Product information

Comprehensive product information is available on our website www.alfalaval.com including product leaflets, manuals, certificates and brochures. The site also offers CAD drawings, electrical connections and high-resolution product images available for download.

Alfa Laval Cold Room Calculator

Download on the App Store

Google play

A lifetime of confidence

Alfa Laval offers worldwide support from product and application specialists via 103 sales offices in 53 countries. Our offer is comprehensive and consists of a wide portfolio of services such as high quality spare parts, reconditioning, on-site services, reliable stock, upgrades, consulting services, training, etc.

Spare parts are available through Alfa Laval e-business tools, 24/7, for our partners. Our service package is tailored to meet your performance and process needs and guarantees that operational design conditions are met. It also supports cost control by allowing specific settings of air ventilation, defrost cycles etc.

360° service offering

At Alfa Laval, we're dedicated to ensuring your equipment performs at its optimum throughout its lifetime. This is why we have a 360° service offering anytime, anywhere.

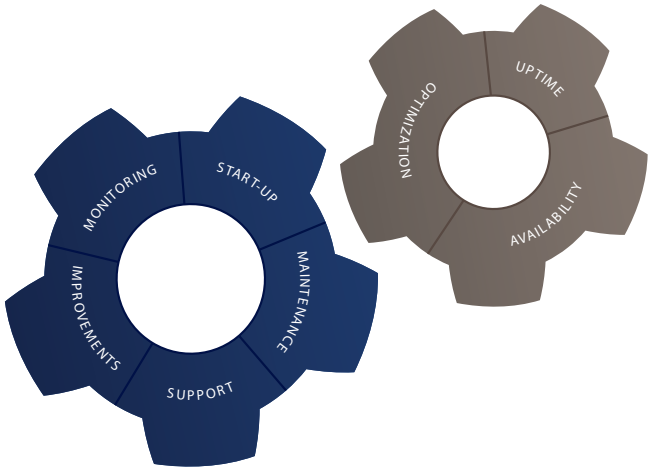
Start-up
Our commissioning support team ensures your equipment goes into production as smoothly and safely as possible. Our staff will ensure that global guidelines and instructions are met and will consider the start-up complete only when your process is optimized.

Support
Spare part selection and ordering is made simpler with our e-business tools, accessible via our sales offices or service partners.

Maintenance
The normal and continuous operation of air heat exchangers will inevitably lead to it getting dirty or ice-clogged (improper defrost). Such situations can lead to the reduction of the heat exchanger's performance. Cleaning services, parts exchange, or repair are services that might be appropriate in this case.

Improvements
When your equipment needs to be replaced, Alfa Laval specialists can assist you in making the best choice. Our replacement and retrofit services ensure that your production can continue to operate without disruption. Alfa Laval specialists can replace your equipment with identical units or help you find the correct contact person who can help address your specific needs.

Monitoring
Equipment must be monitored on a regular basis. Selfinspection can be done on site, without the supervision of Alfa Laval staff. Visually inspect the units and listen for any signs of mechanical wear, deposits, need for degreasing, and frost buildup at least once a month. Perform cleaning accordingly.



Spare parts

Spare parts can be selected and ordered in the online eBusiness tool Alfa Laval Anytime. Our spare parts finder tool for easy finding of the spare parts codes can be downloaded from Anytime. Always use latest version for up-to-date item codes.

If required please contact your local Alfa Laval Representative for assistance.

	Spare parts Optigo CS
1	Fan motors
2	Electrical defrost heater KIT
3	Driptray drain
4	Driptray for wall mounting (only CS200)

Alfa Laval instruction manuals give detailed information for maintenance of air coolers including replacement of fan motors and electrical heaters. Instruction manuals can be downloaded at the link in the QR code.

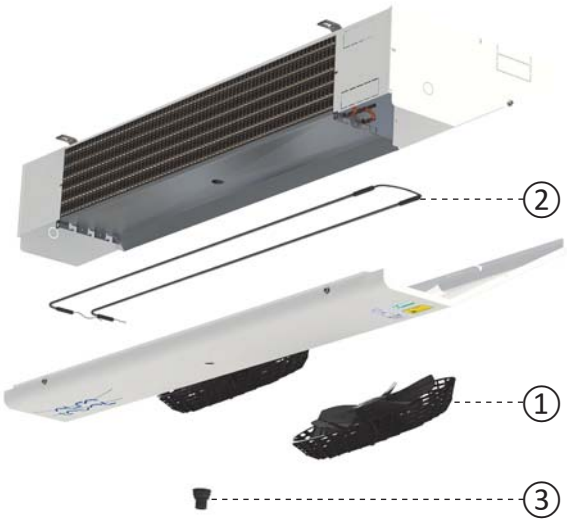
Alfa Laval Anytime

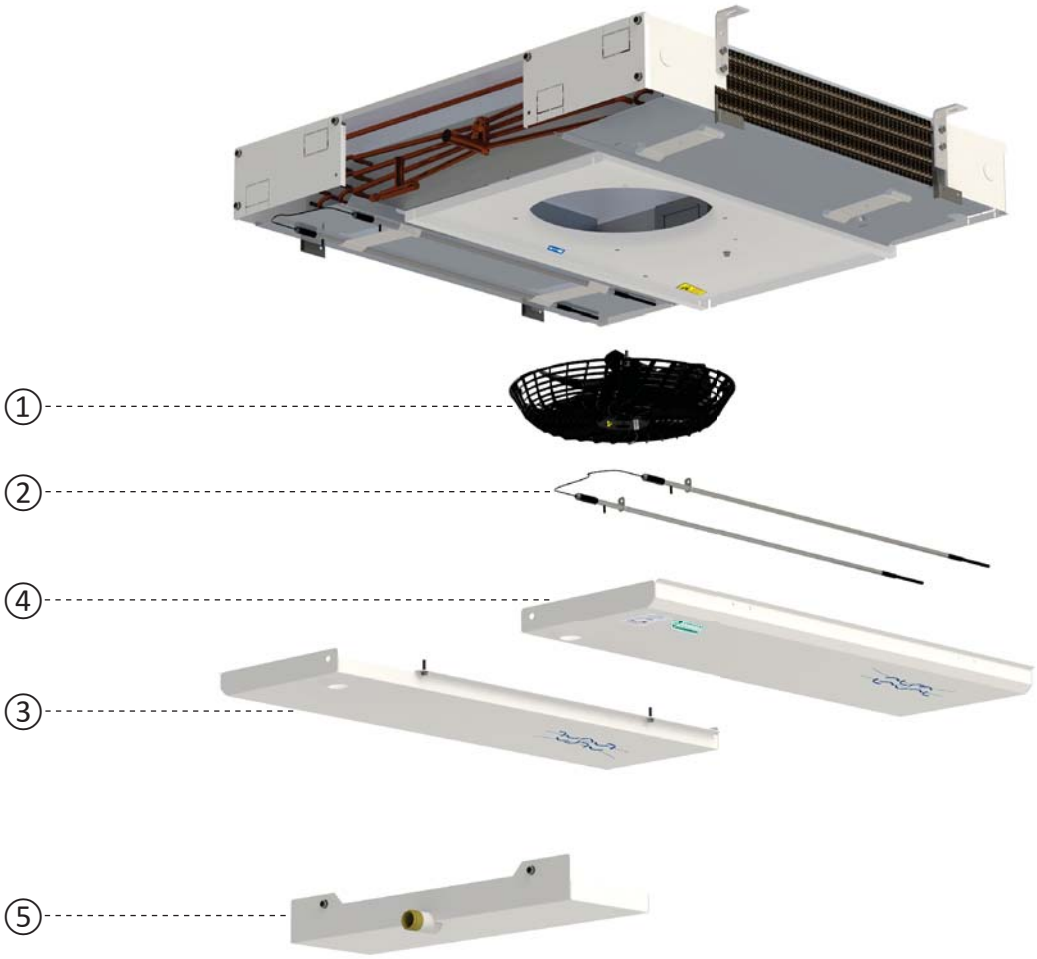
Instruction manuals

CS200

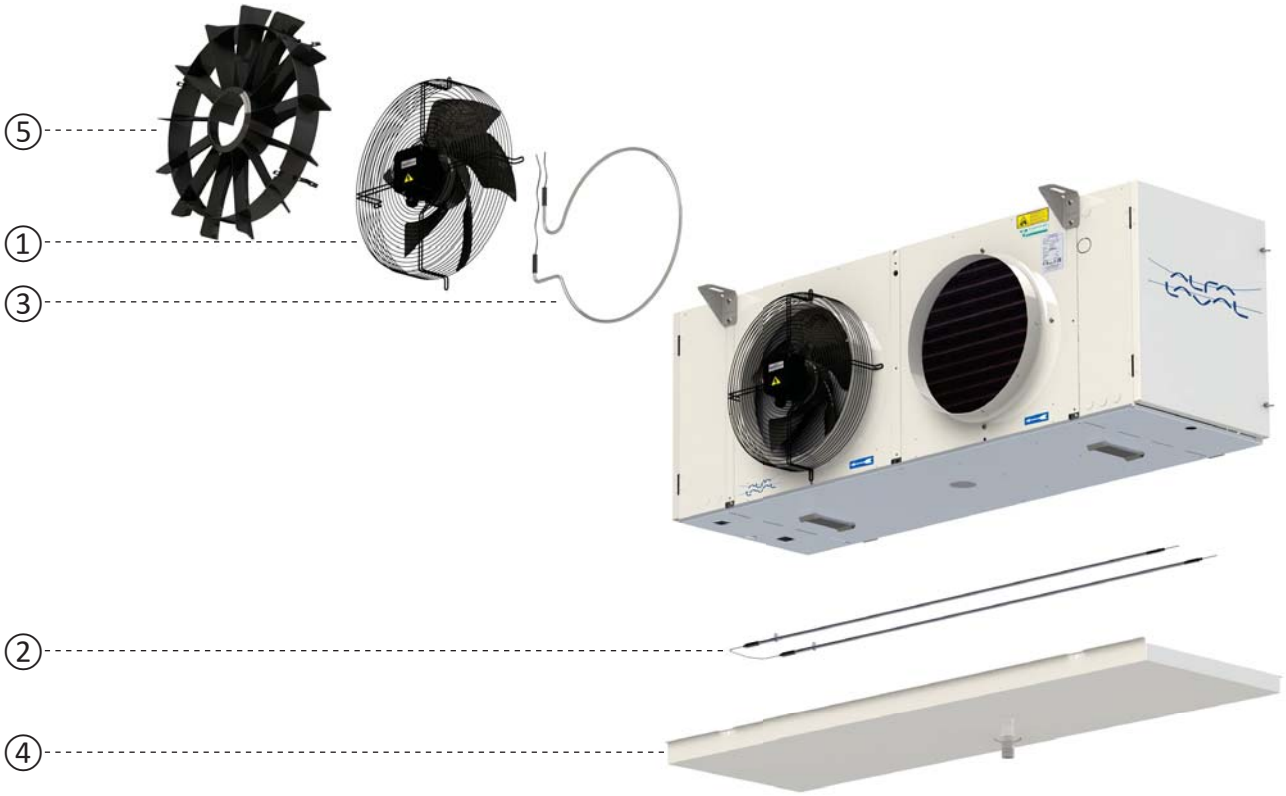
CS200 wall mounted

CS300





Spare parts Optigo CD
1 Fan motors
2 Defrost heater kits (all heaters, conn. box & fixing materials)
3 Driptray left
4 Driptray right
5 Driptray central



Spare parts Optigo CC
1 Fan motors
2 Electrical defrost heaters (coil & drip tray heater identical)
2 Electrical defrost kits (heaters, conn. box & fixing materials)
3 Fan ring heaters
3 Fan ring heater kits (heaters, connection box & fixing materials)
4 Drip tray
5 Air streamer (draw-through models only)

Spare parts AlfaBlue Junior
1 End cover - bend side
2 End cover - connection side
3 Mounting profiles (horizontal airflow)
4 Mounting feet (vertical airflow)
5 Fan
6 Vibration damper
- Pressure sensor for FP
- Temperature sensor for FT

Quick selection tables

Cooling capacities condensers

Cooling capacities as given in the tables are nominal capacities in compliance with Eurovent regulations and EN327.

Standard Condition	Air inlet temp.		Condensing temp.		Superheating (K)
	°C	°F	°C	°F	
SC15	25	77	40	104	25

In addition to the Eurovent Standard Condition, the tables also show capacity values for $T_{air\text{-}on}$ +77 °F and $T_{cond.}$ +104 °F and SH 35 K.

All nominal capacities are calculated with R404A.
To get capacity with other refrigerants, multiply by the following correction factors R404A capacity in the same condition:

Refrigerant	Correction factor SC15 (dew-point)
R507A	1.00
R134a	0.96
R513A	0.94
R450A	0.89
R407F	0.89
R407A	0.89

Cooling capacities air coolers

Cooling capacities as given in the tables are nominal capacities for wet conditions (Qn) in compliance with Eurovent regulations and EN328. These nominal values have been calculated from the standard (dry) condition Q_{st} with the following formula: $Q_n = Q_{st}$ x correction factor.

Standard Condition	Air inlet temp.		Evaporating temp.		Relative humidity	Correction factor
	°C	°F	°C	°F		
SC1	10	50	0	0	85%	1.35
SC2	0	0	-8	17.6	85%	1.15
SC3	-18	-0.4	-25	-13	95%	1.05
SC4	-25	-13	-31	-23.8	95%	1.01

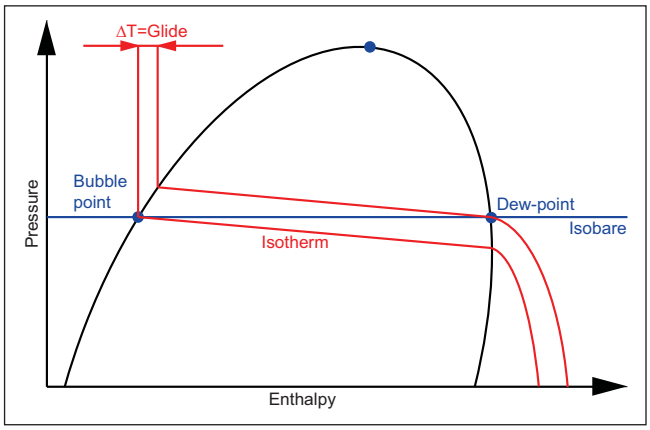
In addition to the Eurovent Standard Conditions, the tables also show DT1 capacity values for $T_{air\text{-}on}$ +2 °C and $T_{evap.}$ -8 °C at RH 85%.
All nominal capacities are calculated with R404A.

To get capacity with other refrigerants, multiply by the following correction factors R404A capacity in the same condition:

Refrigerant	Correction factors (dew-point)				
	DT1 +2/-8 °C	SC1	SC2	SC3	SC4
R407A	1.22	1.19	1.24	1.28	1.32
R407F	1.22	1.19	1.24	1.29	1.35
R507A	0.97	0.97	0.97	0.97	0.97
R134a	0.92	0.93	0.91	0.85	-
R450A	0.92	0.93	0.92	0.88	0.84
R513A	0.92	0.92	0.91	0.89	0.87

High-glide refrigerants

Many of the new refrigerants which have recently been introduced on the market are blends. Some of these blends show a considerable change in temperature while condensing or evaporating, called *glide*. The glide is the temperature change between bubble-point and dew-point (at constant pressure).



Glide is caused by the variable composition of the refrigerant during condensation or evaporation:

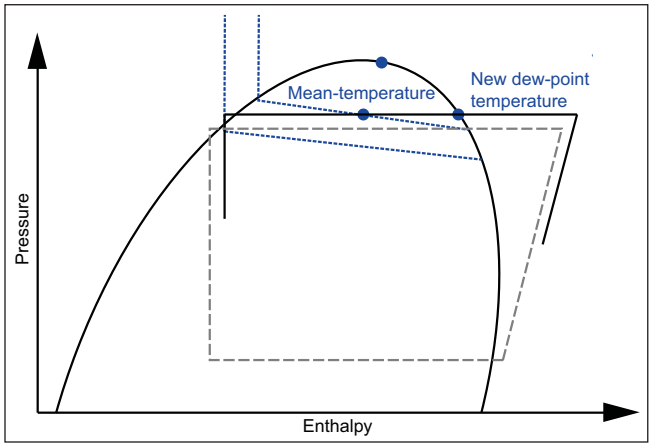
- During evaporation the most volatile component changes to vapor first, while the boiling temperature rises, until the the least volatile components evaporate and no liquid is left at the so-called dew-point.
- During condensation the least volatile component condenses first at dew-point, while temperature decreases, until the most volatile components condensate and no vapor is left at the so-called bubble-point.

High glide refrigerants and condensers

Traditional condenser design is based on condensing temperature being the refrigerant dew-point temperature and the compressor discharge pressure is taken as condensing pressure. This worked fine as long as azeotropic or nearly-azeotropic refrigerants were used.

With high glide refrigerants, a design based on the dew-point approach, results in oversized units.
The concept of **mean condensing temperature** defined as the mean between dew-point and bubble-point temperature has been then introduced. A design based on the mean-temperature approach results in the same condenser size compared to azeotropic (glide-free) refrigerants.

Nevertheless it has to be considered that mean-temperature approach comes with higher consending pressures.



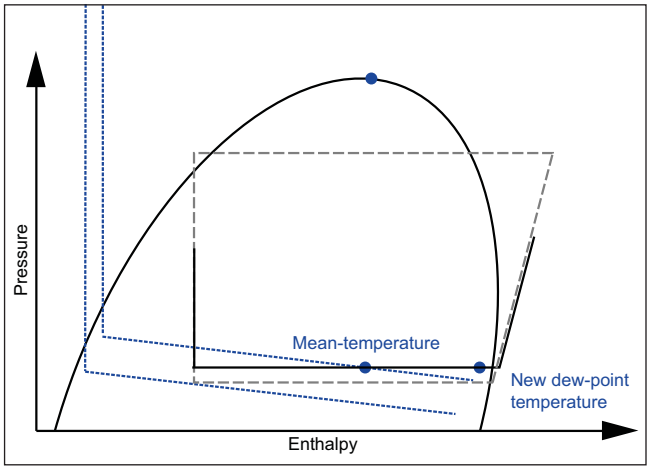
To get capacity with high glide refrigerants, **multiply by the following correction factors R404A capacity in the same condition**:

Refrigerant	Correction factors SC15	
	Mean-temperature	Dew-point
R452A	1.02	0.91
R455A	1.01	0.64
R449A	0.99	0.87
R448A	0.99	0.86

High glide refrigerants and air coolers

Traditional air cooler design is based on evaporating temperature being the refrigerant dew-point temperature at the evaporating pressure. Glide boosts the evaporator's performance thus allowing its size to be reduced. If the size is reduced, there is the chance to reduce the cost of the cooler.

Mean-temperature approach is applicable also to evaporators design and is the advised approach for unpacked food applications, for which dew-point approach may result in higher dehumidification and consequent higher weight losses of the products stored.

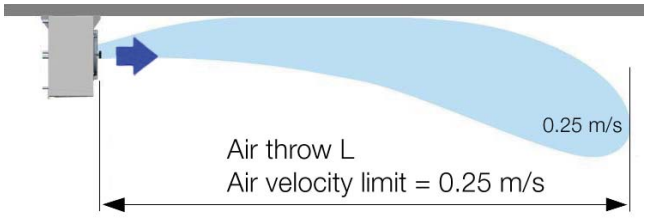


To get capacity with high glide refrigerants, **R404A capacity in the same condition is to be multiplied by the following correction factors:**

Refrigerant	Correction factors for dew-point selection				
	DT1 +2/-8 °C	SC1	SC2	SC3	SC4
R455A	1.22	1.19	1.24	1.29	1.35
R448A	1.16	1.15	1.18	1.21	1.24
R449A	1.14	1.13	1.15	1.18	1.20
R452A	1.09	1.08	1.09	1.09	1.10

Refrigerant	Correction factors for mean temperature selection				
	DT1 +2/-8 °C	SC1	SC2	SC3	SC4
R448A	0.92	0.91	0.89	0.87	0.85
R449A	0.92	0.91	0.89	0.87	0.85
R452A	0.93	0.92	0.91	0.89	0.87
R455osA	0.90	0.89	0.85	0.82	0.78

Air throw
The values given in the tables are for ceiling mounted coolers at t=68 °F, an unrestrained air flow in the cold room and a minimal air velocity of 0.25 m/s at the given air throw distance. The height and air circulation of the room may influence the air throw.



Sound pressure dB(A)
Sound pressure as given in the tables are sound pressure levels in dB(A) in free field conditions according to EN13487, at 9.84 ft distance for Optigo range and 32.8 ft distance for AlfaBlue Junior range. Values may deviate depending on situations at site.

Stock units
A selection of models is available from stock for all the three Optigo lines (CS, CD, CC) for fast delivery. In the selection tables stock units are highlighted with bold text and a tick in the column "stock article".

Model	Nominal capacities HFC DX					EC Fans							Connections		
	DT1 +2/-8 °C	SC1	SC2	SC3	SC4		operating power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CSE	kW	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H															
CSEH201 B 4	**1.2**	1.3	0.9			1	33	5.7	43	515	2.8	0.4	12	12	✓
CSEH202 B 4	**2.3**	2.6	1.8			2	66	8.0	46	1030	5.6	0.8	12	12	✓
CSEH203 B 4	**3.7**	4.0	2.8			3	99	9.8	48	1544	8.4	1.1	12	14	-
CSEH301 B 4	**1.9**	2.1	1.4			1	35	6.5	42	763	4.7	0.7	12	12	✓
CSEH301 C 4	**2.3**	2.5	1.7			1	35	5.7	42	667	7.0	1.1	12	12	✓
CSEH302 B 4	**3.6**	3.9	2.7			2	70	9.2	45	1525	9.4	1.3	12	14	✓
CSEH302 C 4	**4.7**	5.0	3.4			2	70	8.0	45	1334	14.0	1.9	16	16	✓
CSEH303 B 4	**5.8**	6.2	4.3			3	105	11.3	47	2287	14.0	1.8	16	16	✓
CSEH303 C 4	**6.4**	7.0	4.8			3	105	9.8	47	2002	21.1	2.7	16	18	✓
CSEH304 B 4	**7.2**	7.9	5.4			4	140	13.0	48	3050	18.7	2.4	16	18	-
CSEH304 C 4	**8.9**	9.6	6.6			4	140	11.4	48	2669	28.1	3.5	16	20	✓
CSEH305 B 4	**8.1**	9.0	6.2			5	175	14.5	49	3812	23.4	2.9	16	20	-
CSEH305 C 4	**10.3**	11.3	7.8			5	175	12.7	49	3336	35.1	4.4	16	22	-
Fin spacing 4 mm, fan speed L															
CSEL201 B 4	**1.0**	1.1	0.8			1	19	4.2	37	378	2.8	0.4	12	12	-
CSEL202 B 4	**2.0**	2.2	1.5			2	38	5.9	40	755	5.6	0.8	12	12	-
CSEL203 B 4	**3.2**	3.4	2.3			3	57	7.2	42	1133	8.4	1.1	12	14	-
CSEL301 B 4	**1.6**	1.7	1.2			1	17	4.5	33	531	4.7	0.7	12	12	-
CSEL301 C 4	**1.9**	2.0	1.3			1	17	4.0	33	468	7.0	1.1	12	12	-
CSEL302 B 4	**3.0**	3.2	2.2			2	34	6.4	36	1061	9.4	1.3	12	14	-
CSEL302 C 4	**3.7**	3.9	2.7			2	34	5.6	36	937	14.0	1.9	16	16	-
CSEL303 B 4	**4.8**	5.1	3.5			3	51	7.8	38	1592	14.0	1.8	16	16	-
CSEL303 C 4	**5.3**	5.7	3.9			3	51	6.9	38	1405	21.1	2.7	16	18	-
CSEL304 B 4	**6.0**	6.5	4.5			4	68	9.0	39	2122	18.7	2.4	16	18	-
CSEL304 C 4	**7.2**	7.7	5.3			4	68	8.0	39	1873	28.1	3.5	16	20	-
CSEL305 B 4	**7.0**	7.7	5.3			5	85	10.1	40	2653	23.4	2.9	16	20	-
CSEL305 C 4	**8.6**	9.2	6.4			5	85	8.9	40	2342	35.1	4.4	16	22	-
Fin spacing 7mm, fan speed H															
CSEH201 B 7	**0.9**		0.7	0.5	0.4	1	33	6.2	43	559	1.7	0.4	12	12	-
CSEH202 B 7	**1.7**		1.3	1.0	0.8	2	66	8.7	46	1119	3.4	0.8	12	12	✓
CSEH203 B 7	**2.7**		2.0	1.5	1.2	3	99	10.7	48	1678	5.1	1.1	12	14	-
CSEH301 B 7	**1.4**		1.0	0.8	0.6	1	35	7.2	42	848	2.8	0.7	12	12	-
CSEH301 C 7	**1.8**		1.3	1.0	0.8	1	35	6.5	42	762	4.2	1.1	12	12	✓
CSEH302 B 7	**2.7**		2.0	1.5	1.2	2	70	10.2	45	1696	5.6	1.3	12	14	✓
CSEH302 C 7	**3.7**		2.7	2.0	1.6	2	70	9.2	45	1523	8.5	1.9	16	16	✓
CSEH303 B 7	**4.2**		3.1	2.3	1.9	3	105	12.5	47	2544	8.5	1.8	16	16	✓
CSEH303 C 7	**5.2**		3.9	2.9	2.3	3	105	11.2	47	2285	12.7	2.7	16	18	✓
CSEH304 B 7	**5.5**		4.1	3.0	2.4	4	140	14.5	48	3392	11.3	2.4	16	18	-
CSEH304 C 7	**7.1**		5.3	3.9	3.2	4	140	13.0	48	3047	16.9	3.5	16	20	✓
CSEH305 B 7	**6.4**		4.9	3.6	2.9	5	175	16.2	49	4240	14.1	2.9	16	20	-
CSEH305 C 7	**8.5**		6.4	4.7	3.8	5	175	14.5	49	3808	21.1	4.4	16	22	✓
Fin spacing 7 mm, fan speed L															
CSEL201 B 7	**0.7**		0.6	0.4	0.3	1	19	4.5	37	413	1.7	0.4	12	12	-
CSEL202 B 7	**1.5**		1.1	0.8	0.7	2	38	6.4	40	825	3.4	0.8	12	12	-
CSEL203 B 7	**2.3**		1.7	1.2	1.0	3	57	7.9	42	1238	5.1	1.1	12	14	-
CSEL301 B 7	**1.2**		0.9	0.6	0.5	1	17	5.0	33	587	2.8	0.7	12	12	-
CSEL301 C 7	**1.5**		1.1	0.8	0.7	1	17	4.5	33	534	4.2	1.1	12	12	-
CSEL302 B 7	**2.3**		1.7	1.2	1.0	2	34	7.1	36	1175	5.6	1.3	12	14	-
CSEL302 C 7	**3.0**		2.2	1.6	1.3	2	34	6.4	36	1067	8.5	1.9	16	16	-
CSEL303 B 7	**3.5**		2.6	1.9	1.5	3	51	8.7	38	1762	8.5	1.8	16	16	-
CSEL303 C 7	**4.3**		3.2	2.3	1.9	3	51	7.9	38	1600	12.7	2.7	16	18	-
CSEL304 B 7	**4.5**		3.4	2.5	2.0	4	68	10.0	39	2350	11.3	2.4	16	18	-
CSEL304 C 7	**5.8**		4.3	3.1	2.6	4	68	9.1	39	2134	16.9	3.5	16	20	-
CSEL305 B 7	**5.5**		4.1	3.0	2.4	5	85	11.2	40	2937	14.1	2.9	16	20	-
CSEL305 C 7	**7.1**		5.3	3.8	3.1	5	85	10.2	40	2667	21.1	4.4	16	22	-

Model	Nominal capacities CO_2 DX				EC Fans							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		operating power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CSX	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm. fan speed H														
CSXH201 B 4	**1.3**	1.0			1	33	5.7	43	515	2.8	0.4	12	12	-
CSXH202 B 4	**2.5**	1.9			2	66	8.0	46	1030	5.6	0.6	12	12	-
CSXH203 B 4	**3.6**	2.7			3	99	9.8	48	1544	8.4	0.9	12	12	-
CSXH301 B 4	**2.0**	1.5			1	35	6.5	42	763	4.7	0.6	12	12	-
CSXH301 C 4	**2.4**	1.8			1	35	5.7	42	667	7.0	0.9	12	12	-
CSXH302 B 4	**4.0**	3.0			2	70	9.2	45	1525	9.4	1.1	12	14	-
CSXH302 C 4	**4.7**	3.4			2	70	8.0	45	1334	14.0	1.6	12	14	-
CSXH303 B 4	**5.8**	4.3			3	105	11.3	47	2287	14.0	1.5	12	14	-
CSXH303 C 4	**7.0**	5.2			3	105	9.8	47	2002	21.1	2.3	12	14	-
CSXH304 B 4	**7.9**	5.8			4	140	13.0	48	3050	18.7	2.0	12	14	-
CSXH304 C 4	**9.6**	7.0			4	140	11.4	48	2669	28.1	3.0	12	14	-
CSXH305 B 4	**10.2**	7.4			5	175	14.5	49	3812	23.4	2.4	12	14	-
CSXH305 C 4	**11.9**	8.7			5	175	12.7	49	3336	35.1	3.7	12	14	-
Fin spacing 4 mm. fan speed L														
CSXL201 B 4	**1.1**	0.8			1	19	4.2	37	378	2.8	0.4	12	12	-
CSXL202 B 4	**2.2**	1.6			2	38	5.9	40	755	5.6	0.6	12	12	-
CSXL203 B 4	**3.1**	2.3			3	57	7.2	42	1133	8.4	0.9	12	12	-
CSXL301 B 4	**1.6**	1.2			1	17	4.5	33	531	4.7	0.6	12	12	-
CSXL301 C 4	**1.9**	1.4			1	17	4.0	33	468	7.0	0.9	12	12	-
CSXL302 B 4	**3.3**	2.4			2	34	6.4	36	1061	9.4	1.1	12	14	-
CSXL302 C 4	**3.7**	2.7			2	34	5.6	36	937	14.0	1.6	12	14	-
CSXL303 B 4	**4.8**	3.5			3	51	7.8	38	1592	14.0	1.5	12	14	-
CSXL303 C 4	**5.6**	4.1			3	51	6.9	38	1405	21.1	2.3	12	14	-
CSXL304 B 4	**6.5**	4.7			4	68	9.0	39	2122	18.7	2.0	12	14	-
CSXL304 C 4	**7.6**	5.5			4	68	8.0	39	1873	28.1	3.0	12	14	-
CSXL305 B 4	**8.2**	6.0			5	85	10.1	40	2653	23.4	2.4	12	14	-
CSXL305 C 4	**9.4**	6.8			5	85	8.9	40	2342	35.1	3.7	12	14	-
Fin spacing 7mm. fan speed H														
CSXH201 B 7	**0.9**	0.7	0.5	0.4	1	33	6.2	43	559	1.7	0.4	12	12	✓
CSXH202 B 7	**1.8**	1.4	1.0	0.8	2	66	8.7	46	1119	3.4	0.6	12	12	-
CSXH203 B 7	**2.6**	2.0	1.5	1.2	3	99	10.7	48	1678	5.1	0.9	12	12	-
CSXH301 B 7	**1.4**	1.1	0.8	0.7	1	35	7.2	42	848	2.8	0.6	12	12	-
CSXH301 C 7	**1.9**	1.4	1.0	0.8	1	35	6.5	42	762	4.2	0.9	12	12	✓
CSXH302 B 7	**2.9**	2.1	1.6	1.3	2	70	10.2	45	1696	5.6	1.1	12	14	-
CSXH302 C 7	**3.7**	2.7	2.0	1.7	2	70	9.2	45	1523	8.5	1.6	12	14	✓
CSXH303 B 7	**4.3**	3.2	2.4	1.9	3	105	12.5	47	2544	8.5	1.5	12	14	-
CSXH303 C 7	**5.5**	4.1	3.0	2.5	3	105	11.2	47	2285	12.7	2.3	12	14	✓
CSXH304 B 7	**5.7**	4.3	3.2	2.6	4	140	14.5	48	3392	11.3	2.0	12	14	-
CSXH304 C 7	**7.5**	5.5	4.1	3.4	4	140	13.0	48	3047	16.9	3.0	12	14	✓
CSXH305 B 7	**7.2**	5.4	4.0	3.3	5	175	16.2	49	4240	14.1	2.4	12	14	-
CSXH305 C 7	**9.3**	6.9	5.1	4.2	5	175	14.5	49	3808	21.1	3.7	12	14	✓
Fin spacing 7 mm. fan speed L														
CSXL201 B 7	**0.8**	0.6	0.4	0.3	1	19	4.5	37	413	1.7	0.4	12	12	-
CSXL202 B 7	**1.5**	1.1	0.8	0.7	2	38	6.4	40	825	3.4	0.6	12	12	-
CSXL203 B 7	**2.3**	1.7	1.2	1.0	3	57	7.9	42	1238	5.1	0.9	12	12	-
CSXL301 B 7	**1.2**	0.9	0.6	0.5	1	17	5.0	33	587	2.8	0.6	12	12	-
CSXL301 C 7	**1.5**	1.1	0.8	0.6	1	17	4.5	33	534	4.2	0.9	12	12	-
CSXL302 B 7	**2.4**	1.7	1.3	1.0	2	34	7.1	36	1175	5.6	1.1	12	14	-
CSXL302 C 7	**3.0**	2.2	1.6	1.3	2	34	6.4	36	1067	8.5	1.6	12	14	-
CSXL303 B 7	**3.5**	2.6	1.9	1.6	3	51	8.7	38	1762	8.5	1.5	12	14	-
CSXL303 C 7	**4.5**	3.3	2.4	2.0	3	51	7.9	38	1600	12.7	2.3	12	14	-
CSXL304 B 7	**4.7**	3.5	2.6	2.1	4	68	10.0	39	2350	11.3	2.0	12	14	-
CSXL304 C 7	**6.0**	4.4	3.2	2.6	4	68	9.1	39	2134	16.9	3.0	12	14	-
CSXL305 B 7	**5.9**	4.3	3.2	2.6	5	85	11.2	40	2937	14.1	2.4	12	14	-
CSXL305 C 7	**7.5**	5.5	4.0	3.3	5	85	10.2	40	2667	21.1	3.7	12	14	-

Model	Nominal capacities HFC DX			AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC1	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CDE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H													
CDEH301 B 4	**2.5**	2.6	1.8	1	72	5.7	42	1177	7.1	1.5	12	16	-
CDEH301 C 4	**3.1**	3.3	2.2	1	72	5.2	42	1067	10.7	2.3	12	16	-
CDEH302 B 4	**5.0**	5.2	3.5	2	144	8.1	45	2332	13.9	2.7	16	16	-
CDEH302 C 4	**6.2**	6.4	4.4	2	144	7.3	45	2107	20.8	4.0	16	22	-
CDEH303 B 4	**7.6**	7.9	5.4	3	216	9.9	47	3486	20.6	3.8	16	22	-
CDEH303 C 4	**9.1**	9.6	6.5	3	216	9.0	47	3147	30.9	5.7	16	22	-
CDEH304 B 4	**9.9**	10.5	7.1	4	288	11.5	48	4641	27.3	5.0	16	22	-
CDEH304 C 4	**11.4**	12.4	8.3	4	288	10.3	48	4187	41.0	7.5	16	22	-
CDEH401 B 4	**6.0**	6.5	4.3	1	210	7.8	51	2656	19.0	3.9	14	14	-
CDEH401 C 4	**7.9**	8.3	5.6	1	210	7.4	51	2526	28.5	5.9	16	16	-
CDEH402 B 4	**12.0**	13.0	8.7	2	420	11.0	54	5311	38.0	7.2	16	16	-
CDEH402 C 4	**15.9**	16.6	11.3	2	420	10.5	54	5052	56.9	10.9	16	16	-
CDEH403 B 4	**19.0**	20.1	13.5	3	630	13.5	56	7967	56.9	10.5	16	16	-
CDEH403 C 4	**22.4**	24.1	16.2	3	630	12.8	56	7579	85.4	15.8	22	22	-
CDEH404 B 4	**24.1**	26.1	17.4	4	840	15.6	57	10620	75.9	13.9	22	22	-
CDEH404 C 4	**26.8**	30.0	19.8	4	840	14.8	57	10100	113.9	20.8	22	22	-
CDEH405 B 4	**27.9**	31.0	20.4	5	1050	17.4	58	13280	94.9	17.2	22	22	-
CDEH405 C 4	**-**	-	22.0	5	1050	16.6	58	12630	142.4	25.8	28	28	-
Fin spacing 4 mm, fan speed L													
CDEL401 B 4	**5.1**	5.5	3.7	1	140	5.8	41	1991	19.0	3.9	14	14	-
CDEL401 C 4	**6.4**	6.7	4.6	1	140	5.5	41	1868	28.5	5.9	16	16	-
CDEL402 B 4	**10.2**	10.9	7.4	2	280	8.3	44	3981	38.0	7.2	16	16	-
CDEL402 C 4	**12.8**	13.4	9.1	2	280	7.8	44	3735	56.9	10.9	16	16	-
CDEL403 B 4	**15.9**	16.7	11.3	3	420	10.1	46	5972	56.9	10.5	16	16	-
CDEL403 C 4	**18.5**	19.7	13.4	3	420	9.5	46	5603	85.4	15.8	22	22	-
CDEL404 B 4	**20.5**	21.9	14.7	4	560	11.7	47	7963	75.9	13.9	22	22	-
CDEL404 C 4	**22.9**	25.1	16.7	4	560	11.0	47	7470	113.9	20.8	22	22	-
CDEL405 B 4	**24.2**	26.5	17.6	5	700	13.1	48	9953	94.9	17.2	22	22	-
CDEL405 C 4	**-**	29.2	19.1	5	700	12.3	48	9338	142.4	25.8	28	28	-

Model	Nominal capacities HFC DX			AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2	SC3		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CDE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 5.5 mm, fan speed H													
CDEH301 B 5.5	**2.2**	1.5	1.2	1	72	5.9	42	1216	5.3	1.5	12	16	-
CDEH301 C 5.5	**2.8**	2.0	1.6	1	72	5.4	42	1118	8.0	2.3	12	16	-
CDEH302 B 5.5	**4.3**	3.0	2.3	2	144	8.4	45	2411	10.4	2.7	16	16	✓
CDEH302 C 5.5	**5.5**	3.9	3.1	2	144	7.7	45	2210	15.6	4	16	22	-
CDEH303 B 5.5	**6.5**	4.6	3.6	3	216	10.3	47	3607	15.4	3.8	16	22	✓
CDEH303 C 5.5	**8.1**	5.8	4.5	3	216	9.4	47	3302	23.2	5.7	16	22	-
CDEH304 B 5.5	**8.6**	6.1	4.8	4	288	11.9	48	4802	20.5	5	16	22	✓
CDEH304 C 5.5	**10.4**	7.5	5.7	4	288	10.9	48	4392	30.7	7.5	16	22	✓
CDEH401 B 5.5	**5.2**	3.7	2.9	1	210	7.9	51	2703	14.2	3.9	14	14	-
CDEH401 C 5.5	**7.0**	5.0	3.9	1	210	7.6	51	2589	21.4	5.9	16	16	-
CDEH402 B 5.5	**10.5**	7.5	5.7	2	420	11.2	54	5407	28.5	7.2	16	16	-
CDEH402 C 5.5	**14.0**	9.9	7.9	2	420	10.7	54	5177	42.7	10.9	16	16	-
CDEH403 B 5.5	**16.2**	11.5	9.0	3	630	13.7	56	8111	42.7	10.5	16	16	-
CDEH403 C 5.5	**20.0**	14.4	11.1	3	630	13.2	56	7765	64.1	15.8	22	22	-
CDEH404 B 5.5	**20.9**	15.0	11.5	4	840	15.9	57	10814	56.9	13.9	22	22	-
CDEH404 C 5.5	**24.5**	17.9	13.3	4	840	15.2	57	10354	85.4	20.8	22	22	-
CDEH405 B 5.5	**24.7**	17.9	13.4	5	1050	17.7	58	13518	71.2	17.2	22	22	-
CDEH405 C 5.5	**-**	20.3	14.4	5	1050	17.0	58	12946	106.8	25.8	28	28	-
Fin spacing 5.5 mm, fan speed L													
CDEL401 B 5.5	**4.4**	3.1	2.4	1	140	6.0	41	2039	14.2	3.9	14	14	-
CDEL401 C 5.5	**5.7**	4.0	3.2	1	140	5.7	41	1931	21.4	5.9	16	16	-
CDEL402 B 5.5	**8.8**	6.3	4.9	2	280	8.5	44	4079	28.5	7.2	16	16	-
CDEL402 C 5.5	**11.3**	8.1	6.4	2	280	8.0	44	3863	42.7	10.9	16	16	-
CDEL403 B 5.5	**13.5**	9.6	7.6	3	420	10.4	46	6120	42.7	10.5	16	16	-
CDEL403 C 5.5	**16.6**	11.9	9.3	3	420	9.8	46	5792	64.1	15.8	22	22	-
CDEL404 B 5.5	**17.6**	12.6	9.8	4	560	12.0	47	8158	56.9	13.9	22	22	-
CDEL404 C 5.5	**20.8**	15.1	11.4	4	560	11.3	47	7726	85.4	20.8	22	22	-
CDEL405 B 5.5	**21.2**	15.3	11.6	5	700	13.4	48	10199	71.2	17.2	22	22	-
CDEL405 C 5.5	**23.8**	17.6	12.8	5	700	12.7	48	9655	106.8	25.8	28	28	-

Model	Nominal capacities HFC DX				AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CDE	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CDEH301 B 7	**1.9**	1.3	1.0	0.9	1	72	6.1	42	1251	4.3	1.5	12	16	-
CDEH301 C 7	**2.5**	1.8	1.4	1.2	1	72	5.6	42	1163	6.5	2.3	12	16	-
CDEH302 B 7	**3.8**	2.6	2.1	1.7	2	144	8.6	45	2484	8.4	2.7	16	16	-
CDEH302 C 7	**5.0**	3.5	2.8	2.3	2	144	8.0	45	2302	12.6	4.0	16	22	-
CDEH303 B 7	**5.7**	4.0	3.2	2.6	3	216	10.6	47	3716	12.5	3.8	16	22	-
CDEH303 C 7	**7.4**	5.3	4.1	3.4	3	216	9.8	47	3441	18.8	5.7	16	22	-
CDEH304 B 7	**7.6**	5.4	4.2	3.4	4	288	12.2	48	4949	16.6	5.0	16	22	-
CDEH304 C 7	**9.5**	6.9	5.3	4.2	4	288	11.3	48	4581	24.9	7.5	16	22	-
CDEH401 B 7	**4.6**	3.3	2.6	2.0	1	210	8.1	51	2744	11.5	3.9	14	14	-
CDEH401 C 7	**6.2**	4.4	3.5	2.9	1	210	7.8	51	2642	17.3	5.9	16	16	-
CDEH402 B 7	**9.2**	6.6	5.1	4.1	2	420	11.4	54	5487	23.1	7.2	16	16	-
CDEH402 C 7	**12.5**	8.9	7.0	5.8	2	420	11.0	54	5283	34.6	10.9	16	16	-
CDEH403 B 7	**14.2**	10.1	7.9	6.5	3	630	14.0	56	8231	34.6	10.5	16	16	-
CDEH403 C 7	**18.2**	13.0	10.1	8.1	3	630	13.4	56	7925	51.9	15.8	22	22	-
CDEH404 B 7	**18.5**	13.2	10.3	8.2	4	840	16.1	57	10970	46.2	13.9	22	22	-
CDEH404 C 7	**22.6**	16.4	12.3	9.7	4	840	15.5	57	10570	69.2	20.8	22	22	-
CDEH405 B 7	**22.2**	16.0	12.1	9.6	5	1050	18.0	58	13720	57.7	17.2	22	22	-
CDEH405 C 7	**25.6**	18.9	13.7	10.5	5	1050	17.3	58	13210	86.6	25.8	28	28	-
Fin spacing 7 mm, fan speed L														
CDEL401 B 7	**3.9**	2.8	2.2	1.8	1	140	6.1	41	2078	11.5	3.9	14	14	-
CDEL401 C 7	**5.1**	3.6	2.9	2.4	1	140	5.8	41	1981	17.3	5.9	16	16	-
CDEL402 B 7	**7.8**	5.5	4.3	3.5	2	280	8.6	44	4155	23.1	7.2	16	16	-
CDEL402 C 7	**10.2**	7.2	5.8	4.8	2	280	8.2	44	3962	34.6	10.9	16	16	-
CDEL403 B 7	**11.8**	8.4	6.6	5.4	3	420	10.6	46	6233	34.6	10.5	16	16	-
CDEL403 C 7	**15.0**	10.8	8.5	6.9	3	420	10.1	46	5942	51.9	15.8	22	22	-
CDEL404 B 7	**15.6**	11.1	8.7	7.1	4	560	12.2	47	8310	46.2	13.9	22	22	-
CDEL404 C 7	**19.1**	13.8	10.6	8.4	4	560	11.6	47	7923	69.2	20.8	22	22	-
CDEL405 B 7	**18.9**	13.6	10.5	8.3	5	700	13.6	48	10390	57.7	17.2	22	22	-
CDEL405 C 7	**22.2**	16.3	12.1	9.4	5	700	13.0	48	9904	86.6	25.8	28	28	-

Model	Nominal capacities HFC DX			EC fans 230/50-60/1							Connections		
	DT1				operating	air	sound	air	coil	Int.	OD		Stock
	+2/-8 °C	SC1	SC2		power	throw	pressure	flow	surface	volume	in	out	model
CDE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H													
CDEHE301 B 4	**2.1**	2.2	1.5	1	35	4.3	42	881	7.1	1.5	12	16	-
CDEHE301 C 4	**2.6**	2.7	1.8	1	35	3.9	42	799	10.7	2.3	12	16	-
CDEHE302 B 4	**4.2**	4.3	2.9	2	70	6.1	45	1745	13.9	2.7	16	16	-
CDEHE302 C 4	**5.0**	5.2	3.6	2	70	5.5	45	1577	20.8	4	16	22	-
CDEHE303 B 4	**6.3**	6. 6	4.5	3	105	7.4	47	2608	20.6	3.8	16	22	✓
CDEHE303 C 4	**7.5**	7.8	5.3	3	105	6.7	47	2356	30.9	5.7	16	22	-
CDEHE304 B 4	**8.4**	8.8	5.9	4	140	8.6	48	3472	27.3	5	16	22	-
CDEHE304 C 4	**9.6**	10.2	6.9	4	140	7.7	48	3134	41.0	7.5	16	22	✓
CDEHE401 B 4	**6.0**	6.5	4.3	1	140	7.8	48	2656	19.0	3.9	14	14	-
CDEHE401 C 4	**7.9**	8.3	5.6	1	140	7.4	48	2526	28.5	5.9	16	16	-
CDEHE402 B 4	**12.0**	13.0	8.7	2	280	11.0	51	5311	38.0	7.2	16	16	-
CDEHE402 C 4	**15.9**	16.6	11.3	2	280	10.5	51	5052	56.9	10.9	16	16	-
CDEHE403 B 4	**19.0**	20.1	13.5	3	420	13.5	53	7967	56.9	10.5	16	16	-
CDEHE403 C 4	**22.4**	24.1	16.2	3	420	12.8	53	7579	85.4	15.8	22	22	-
CDEHE404 B 4	**24.1**	26.1	17.4	4	560	15.6	54	10620	75.9	13.9	22	22	-
CDEHE404 C 4	**26.8**	30.0	19.8	4	560	14.8	54	10100	113.9	20.8	22	22	-
CDEHE405 B 4	**27.9**	31.0	20.4	5	700	17.4	55	13280	94.9	17.2	22	22	-
CDEHE405 C 4	**-**	-	22.0	5	700	16.6	55	12630	142.4	25.8	28	28	-
Fin spacing 4 mm, fan speed L													
CDELE301 B 4	**1.6**	1.7	1.1	1	17	2.9	33	606	7.1	1.5	12	16	-
CDELE301 C 4	**1.9**	2.0	1.4	1	17	2.7	33	555	10.7	2.3	12	16	-
CDELE302 B 4	**3.2**	3.3	2.3	2	34	4.2	36	1201	13.9	2.7	16	16	-
CDELE302 C 4	**3.8**	4.0	2.7	2	34	3.8	36	1097	20.8	4	16	22	-
CDELE303 B 4	**4.9**	5.1	3.5	3	51	5.1	38	1796	20.6	3.8	16	22	-
CDELE303 C 4	**5.7**	6.0	4.1	3	51	4.7	38	1639	30.9	5.7	16	22	-
CDELE304 B 4	**6.6**	6.9	4.7	4	68	5.9	39	2391	27.3	5	16	22	-
CDELE304 C 4	**7.5**	7.9	5.4	4	68	5.4	39	2181	41.0	7.5	16	22	-
CDELE401 B 4	**5.1**	5.5	3.7	1	73	5.8	41	1991	19.0	3.9	14	14	-
CDELE401 C 4	**6.4**	6.7	4.6	1	73	5.5	41	1868	28.5	5.9	16	16	-
CDELE402 B 4	**10.2**	10.9	7.4	2	146	8.3	44	3981	38.0	7.2	16	16	-
CDELE402 C 4	**12.8**	13.4	9.1	2	146	7.8	44	3735	56.9	10.9	16	16	-
CDELE403 B 4	**15.9**	16.7	11.3	3	219	10.1	46	5972	56.9	10.5	16	16	-
CDELE403 C 4	**18.5**	19.7	13.4	3	219	9.5	46	5603	85.4	15.8	22	22	-
CDELE404 B 4	**20.5**	21.9	14.7	4	292	11.7	47	7963	75.9	13.9	22	22	-
CDELE404 C 4	**22.9**	25.1	16.7	4	292	11.0	47	7470	113.9	20.8	22	22	-
CDELE405 B 4	**24.2**	26.5	17.6	5	365	13.1	48	9953	94.9	17.2	22	22	-
CDELE405 C 4	**-**	29.2	19.1	5	365	12.3	48	9338	142.4	25.8	28	28	-

Model	Nominal capacities HFC DX			EC fans 230/50-60/1							Connections		
	DT1 +2/-8 °C	SC2	SC3		operating power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CDE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 5.5 mm, fan speed H													
CDEHE301 B 5.5	**1.8**	1.3	1.0	1	35	4.4	42	913	5.3	1.5	12	16	-
CDEHE301 C 5.5	**2.3**	1.6	1.3	1	35	4.1	42	839	8.0	2.3	12	16	-
CDEHE302 B 5.5	**3.6**	2.5	1.9	2	70	6.3	45	1810	10.4	2.7	16	16	-
CDEHE302 C 5.5	**4.5**	3.2	2.5	2	70	5.8	45	1659	15.6	4	16	22	✓
CDEHE303 B 5.5	**5.4**	3.8	3.0	3	105	7.7	47	2708	15.4	3.8	16	22	-
CDEHE303 C 5.5	**6.7**	4.8	3.8	3	105	7.1	47	2478	23.2	5.7	16	22	-
CDEHE304 B 5.5	**7.2**	5.1	4.0	4	140	8.9	48	3604	20.5	5	16	22	-
CDEHE304 C 5.5	**8.7**	6.2	4.8	4	140	8.1	48	3298	30.7	7.5	16	22	✓
CDEHE401 B 5.5	**5.2**	3.7	2.9	1	140	7.9	48	2703	14.2	3.9	14	14	-
CDEHE401 C 5.5	**7.0**	5.0	3.9	1	140	7.6	48	2589	21.4	5.9	16	16	-
CDEHE402 B 5.5	**10.5**	7.5	5.7	2	280	11.2	51	5407	28.5	7.2	16	16	-
CDEHE402 C 5.5	**14.0**	9.9	7.9	2	280	10.7	51	5177	42.7	10.9	16	16	-
CDEHE403 B 5.5	**16.2**	11.5	9.0	3	420	13.7	53	8111	42.7	10.5	16	16	-
CDEHE403 C 5.5	**20.0**	14.4	11.1	3	420	13.2	53	7765	64.1	15.8	22	22	-
CDEHE404 B 5.5	**20.9**	15.0	11.5	4	560	15.9	54	10814	56.9	13.9	22	22	-
CDEHE404 C 5.5	**24.5**	17.9	13.3	4	560	15.2	54	10354	85.4	20.8	22	22	-
CDEHE405 B 5.5	**24.7**	17.9	13.4	5	700	17.7	55	13518	71.2	17.2	22	22	-
CDEHE405 C 5.5	**-**	20.3	14.4	5	700	17.0	55	12946	106.8	25.8	28	28	-
Fin spacing 5.5 mm, fan speed L													
CDELE301 B 5.5	**1.4**	1.0	0.8	1	17	3.0	33	627	5.3	1.5	12	16	-
CDELE301 C 5.5	**1.7**	1.2	1.0	1	17	2.8	33	582	8.0	2.3	12	16	-
CDELE302 B 5.5	**2.7**	1.9	1.5	2	34	4.3	36	1245	10.4	2.7	16	16	-
CDELE302 C 5.5	**3.4**	2.4	1.9	2	34	4.0	36	1152	15.6	4	16	22	-
CDELE303 B 5.5	**4.2**	3.0	2.3	3	51	5.3	38	1863	15.4	3.8	16	22	-
CDELE303 C 5.5	**5.2**	3.7	2.9	3	51	4.9	38	1722	23.2	5.7	16	22	-
CDELE304 B 5.5	**5.6**	4.0	3.2	4	68	6.1	39	2480	20.5	5	16	22	-
CDELE304 C 5.5	**6.8**	4.8	3.8	4	68	5.7	39	2292	30.7	7.5	16	22	-
CDELE401 B 5.5	**4.4**	3.1	2.4	1	73	6.0	41	2039	14.2	3.9	14	14	-
CDELE401 C 5.5	**5.7**	4.0	3.2	1	73	5.7	41	1931	21.4	5.9	16	16	-
CDELE402 B 5.5	**8.8**	6.3	4.9	2	146	8.5	44	4079	28.5	7.2	16	16	-
CDELE402 C 5.5	**11.3**	8.1	6.4	2	146	8.0	44	3863	42.7	10.9	16	16	-
CDELE403 B 5.5	**13.5**	9.6	7.6	3	219	10.4	46	6120	42.7	10.5	16	16	-
CDELE403 C 5.5	**16.6**	11.9	9.3	3	219	9.8	46	5792	64.1	15.8	22	22	-
CDELE404 B 5.5	**17.6**	12.6	9.8	4	292	12.0	47	8158	56.9	13.9	22	22	-
CDELE404 C 5.5	**20.8**	15.1	11.4	4	292	11.3	47	7726	85.4	20.8	22	22	-
CDELE405 B 5.5	**21.2**	15.3	11.6	5	365	13.4	48	10199	71.2	17.2	22	22	-
CDELE405 C 5.5	**23.8**	17.6	12.8	5	365	12.7	48	9655	106.8	25.8	28	28	-

Model	Nominal capacities HFC DX				EC fans 230/50-60/1							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		operating power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CDE	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CDEHE301 B 7	**1.6**	1.1	0.9	0.7	1	35	4.5	42	939	4.3	1.5	12	16	-
CDEHE301 C 7	**2.1**	1.5	1.2	1.0	1	35	4.2	42	872	6.5	2.3	12	16	-
CDEHE302 B 7	**3.1**	2.2	1.7	1.4	2	70	6.5	45	1865	8.4	2.7	16	16	-
CDEHE302 C 7	**4.1**	2.9	2.3	1.9	2	70	6.0	45	1727	12.6	4.0	16	22	-
CDEHE303 B 7	**4.8**	3.3	2.6	2.2	3	105	7.9	47	2790	12.5	3.8	16	22	-
CDEHE303 C 7	**6.1**	4.3	3.4	2.8	3	105	7.3	47	2582	18.8	5.7	16	22	-
CDEHE304 B 7	**6.4**	4.5	3.5	2.9	4	140	9.2	48	3715	16.6	5.0	16	22	-
CDEHE304 C 7	**8.0**	5.7	4.4	3.6	4	140	8.5	48	3437	24.9	7.5	16	22	-
CDEHE401 B 7	**4.6**	3.3	2.6	2.0	1	140	8.1	48	2744	11.5	3.9	14	14	-
CDEHE401 C 7	**6.2**	4.4	3.5	2.9	1	140	7.8	48	2642	17.3	5.9	16	16	-
CDEHE402 B 7	**9.2**	6.6	5.1	4.1	2	280	11.4	51	5487	23.1	7.2	16	16	-
CDEHE402 C 7	**12.5**	8.9	7.0	5.8	2	280	11.0	51	5283	34.6	10.9	16	16	-
CDEHE403 B 7	**14.2**	10.1	7.9	6.5	3	420	14.0	53	8231	34.6	10.5	16	16	-
CDEHE403 C 7	**18.2**	13.0	10.1	8.1	3	420	13.4	53	7925	51.9	15.8	22	22	-
CDEHE404 B 7	**18.5**	13.2	10.3	8.2	4	560	16.1	54	10970	46.2	13.9	22	22	-
CDEHE404 C 7	**22.6**	16.4	12.3	9.7	4	560	15.5	54	10570	69.2	20.8	22	22	-
CDEHE405 B 7	**22.2**	16.0	12.1	9.6	5	700	18.0	55	13720	57.7	17.2	22	22	-
CDEHE405 C 7	**25.6**	18.9	13.7	10.5	5	700	17.3	55	13210	86.6	25.8	28	28	-
Fin spacing 7 mm, fan speed L														
CDELE301 B 7	**1.2**	0.9	0.7	0.6	1	17	3.1	33	643	4.3	1.5	12	16	-
CDELE301 C 7	**1.6**	1.1	0.9	0.7	1	17	2.9	33	602	6.5	2.3	12	16	-
CDELE302 B 7	**2.4**	1.7	1.3	1.1	2	34	4.4	36	1278	8.4	2.7	16	16	-
CDELE302 C 7	**3.1**	2.2	1.8	1.5	2	34	4.1	36	1194	12.6	4.0	16	22	-
CDELE303 B 7	**3.7**	2.6	2.1	1.7	3	51	5.4	38	1912	12.5	3.8	16	22	-
CDELE303 C 7	**4.7**	3.3	2.7	2.2	3	51	5.1	38	1786	18.8	5.7	16	22	-
CDELE304 B 7	**4.9**	3.5	2.8	2.3	4	68	6.3	39	2547	16.6	5.0	16	22	-
CDELE304 C 7	**6.2**	4.4	3.5	2.9	4	68	5.9	39	2377	24.9	7.5	16	22	-
CDELE401 B 7	**3.9**	2.8	2.2	1.8	1	73	6.1	41	2078	11.5	3.9	14	14	-
CDELE401 C 7	**5.1**	3.6	2.9	2.4	1	73	5.8	41	1981	17.3	5.9	16	16	-
CDELE402 B 7	**7.8**	5.5	4.3	3.5	2	146	8.6	44	4155	23.1	7.2	16	16	-
CDELE402 C 7	**10.2**	7.2	5.8	4.8	2	146	8.2	44	3962	34.6	10.9	16	16	-
CDELE403 B 7	**11.8**	8.4	6.6	5.4	3	219	10.6	46	6233	34.6	10.5	16	16	-
CDELE403 C 7	**15.0**	10.8	8.5	6.9	3	219	10.1	46	5942	51.9	15.8	22	22	-
CDELE404 B 7	**15.6**	11.1	8.7	7.1	4	292	12.2	47	8310	46.2	13.9	22	22	-
CDELE404 C 7	**19.1**	13.8	10.6	8.4	4	292	11.6	47	7923	69.2	20.8	22	22	-
CDELE405 B 7	**18.9**	13.6	10.5	8.3	5	365	13.6	48	10390	57.7	17.2	22	22	-
CDELE405 C 7	**22.2**	16.3	12.1	9.4	5	365	13.0	48	9904	86.6	25.8	28	28	-

Model	Nominal capacities CO_2 DX		AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CDX	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H												
CDXH301 B 4	**2.5**	1.8	1	72	5.9	42	1224	7.2	0.9	12	12	-
CDXH301 C 4	**3.2**	2.2	1	72	5.5	42	1127	10.9	1.3	12	12	-
CDXH302 B 4	**4.9**	3.5	2	144	8.4	45	2429	14.1	1.6	12	12	-
CDXH302 C 4	**5.9**	4.3	2	144	7.7	45	2230	21.2	2.4	12	12	-
CDXH303 B 4	**7.5**	5.3	3	216	10.3	47	3634	21.0	2.2	12	12	-
CDXH303 C 4	**9.2**	6.5	3	216	9.5	47	3332	31.5	3.4	12	12	-
CDXH304 B 4	**9.8**	7.0	4	288	12.0	48	4839	27.9	2.9	12	12	-
CDXH304 C 4	**11.8**	8.5	4	288	11.0	48	4434	41.8	4.4	12	12	-
CDXH401 B 4	**5.9**	4.2	1	210	8.0	51	2710	19.7	2.3	14	14	-
CDXH401 C 4	**7.6**	5.4	1	210	7.6	51	2596	29.6	3.5	16	16	-
CDXH402 B 4	**11.7**	8.4	2	420	11.2	54	5419	39.5	4.2	16	16	-
CDXH402 C 4	**14.9**	10.7	2	420	10.8	54	5192	59.2	6.4	16	16	-
CDXH403 B 4	**18.1**	12.9	3	630	13.8	56	8129	59.2	6.2	16	16	-
CDXH403 C 4	**22.9**	16.4	3	630	13.2	56	7788	88.8	9.3	22	22	-
CDXH404 B 4	**23.5**	16.8	4	840	15.9	57	10840	79.0	8.1	22	22	-
CDXH404 C 4	**29.9**	21.4	4	840	15.2	57	10380	118.4	12.2	22	22	-
CDXH405 B 4	**30.5**	21.6	5	1050	17.8	58	13550	98.7	10.1	22	22	-
CDXH405 C 4	**37.6**	26.9	5	1050	17.0	58	12980	148.1	15.1	28	28	-
Fin spacing 4 mm, fan speed L												
CDXL401 B 4	**5.0**	3.6	1	140	6.0	41	2041	19.7	2.3	14	14	-
CDXL401 C 4	**6.2**	4.4	1	140	5.7	41	1932	29.6	3.5	16	16	-
CDXL402 B 4	**9.9**	7.1	2	280	8.5	44	4082	39.5	4.2	16	16	-
CDXL402 C 4	**12.3**	8.8	2	280	8.0	44	3863	59.2	6.4	16	16	-
CDXL403 B 4	**15.2**	10.9	3	420	10.4	46	6122	59.2	6.2	16	16	-
CDXL403 C 4	**18.7**	13.4	3	420	9.8	46	5795	88.8	9.3	22	22	-
CDXL404 B 4	**19.9**	14.2	4	560	12.0	47	8163	79.0	8.1	22	22	-
CDXL404 C 4	**24.6**	17.6	4	560	11.3	47	7727	118.4	12.2	22	22	-
CDXL405 B 4	**25.6**	18.2	5	700	13.4	48	10200	98.7	10.1	22	22	-
CDXL405 C 4	**30.9**	22.1	5	700	12.7	48	9658	148.1	15.1	28	28	-

Model	Nominal capacities CO_2 DX				AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CDX	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CDXH301 B 7	**1.8**	1.3	1.0	0.8	1	72	6.3	42	1294	4.4	0.9	12	12	-
CDXH301 C 7	**2.4**	1.7	1.4	1.1	1	72	5.9	42	1217	6.5	1.3	12	12	-
CDXH302 B 7	**3.6**	2.6	2.0	1.7	2	144	8.9	45	2572	8.5	1.6	12	12	-
CDXH302 C 7	**4.7**	3.3	2.6	2.1	2	144	8.4	45	2414	12.7	2.4	12	12	✓
CDXH303 B 7	**5.4**	3.8	3.1	2.5	3	216	11.0	47	3850	12.6	2.2	12	12	-
CDXH303 C 7	**7.1**	5.1	4.0	3.3	3	216	10.3	47	3611	18.9	3.4	12	12	✓
CDXH304 B 7	**7.2**	5.1	4.0	3.3	4	288	12.7	48	5128	16.8	2.9	12	12	-
CDXH304 C 7	**9.3**	6.6	5.2	4.3	4	288	11.9	48	4808	25.1	4.4	12	12	✓
CDXH401 B 7	**4.3**	3.0	2.4	2.0	1	210	8.2	51	2791	11.9	2.3	14	14	-
CDXH401 C 7	**5.8**	4.1	3.3	2.7	1	210	7.9	51	2705	17.8	3.5	16	16	-
CDXH402 B 7	**8.5**	6.1	4.8	3.9	2	420	11.6	54	5583	23.7	4.2	16	16	-
CDXH402 C 7	**11.5**	8.2	6.5	5.3	2	420	11.2	54	5409	35.6	6.4	16	16	-
CDXH403 B 7	**13.0**	9.2	7.3	6.0	3	630	14.2	56	8374	35.6	6.2	16	16	-
CDXH403 C 7	**17.4**	12.4	9.9	8.2	3	630	13.8	56	8114	53.4	9.3	22	22	-
CDXH404 B 7	**17.1**	12.2	9.6	7.8	4	840	16.4	57	11170	47.5	8.1	22	22	-
CDXH404 C 7	**22.9**	16.3	13.0	10.7	4	840	15.9	57	10820	71.2	12.2	22	22	-
CDXH405 B 7	**21.7**	15.4	12.3	10.1	5	1050	18.3	58	13960	59.3	10.1	22	22	-
CDXH405 C 7	**28.7**	20.5	16.3	13.4	5	1050	17.8	58	13520	89.0	15.1	28	28	-
Fin spacing 7 mm, fan speed L														
CDXL401 B 7	**3.6**	2.6	2.0	1.7	1	140	6.2	41	2123	11.9	2.3	14	14	-
CDXL401 C 7	**4.8**	3.4	2.7	2.3	1	140	6.0	41	2040	17.8	3.5	16	16	-
CDXL402 B 7	**7.2**	5.1	4.1	3.3	2	280	8.8	44	4245	23.7	4.2	16	16	-
CDXL402 C 7	**9.5**	6.8	5.4	4.5	2	280	8.5	44	4081	35.6	6.4	16	16	-
CDXL403 B 7	**10.9**	7.7	6.2	5.1	3	420	10.8	46	6368	35.6	6.2	16	16	-
CDXL403 C 7	**14.4**	10.2	8.2	6.8	3	420	10.4	46	6121	53.4	9.3	22	22	-
CDXL404 B 7	**14.4**	10.3	8.1	6.7	4	560	12.5	47	8491	47.5	8.1	22	22	-
CDXL404 C 7	**19.0**	13.5	10.8	8.9	4	560	12.0	47	8162	71.2	12.2	22	22	-
CDXL405 B 7	**18.2**	12.9	10.3	8.3	5	700	13.9	48	10610	59.3	10.1	22	22	-
CDXL405 C 7	**23.8**	17.0	13.6	11.2	5	700	13.4	48	10200	89.0	15.1	28	28	-

Model	Nominal capacities CO_2 DX		EC fans 230/50-60/1							Connections		
	DT1 +2/-8 °C	SC2		operating power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CDX	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H												
CDXHE301 B 4	**2.1**	1.5	1	35	4.4	42	916	7.2	0.9	12	12	-
CDXHE301 C 4	**2.6**	1.8	1	35	4.1	42	842	10.9	1.3	12	12	-
CDXHE302 B 4	**4.2**	3.0	2	70	6.3	45	1817	14.1	1.6	12	12	-
CDXHE302 C 4	**4.9**	3.5	2	70	5.8	45	1665	21.2	2.4	12	12	-
CDXHE303 B 4	**6.3**	4.5	3	105	7.7	47	2718	21.0	2.2	12	12	-
CDXHE303 C 4	**7.6**	5.4	3	105	7.1	47	2487	31.5	3.4	12	12	-
CDXHE304 B 4	**8.3**	5.9	4	140	8.9	48	3619	27.9	2.9	12	12	-
CDXHE304 C 4	**9.8**	7.0	4	140	8.2	48	3310	41.8	4.4	12	12	-
CDXHE401 B 4	**5.9**	4.2	1	140	8.0	48	2710	19.7	2.3	14	14	-
CDXHE401 C 4	**7.6**	5.4	1	140	7.6	48	2596	29.6	3.5	16	16	-
CDXHE402 B 4	**11.7**	8.4	2	280	11.2	51	5419	39.5	4.2	16	16	-
CDXHE402 C 4	**14.9**	10.7	2	280	10.8	51	5192	59.2	6.4	16	16	-
CDXHE403 B 4	**18.1**	12.9	3	420	13.8	53	8129	59.2	6.2	16	16	-
CDXHE403 C 4	**22.9**	16.4	3	420	13.2	53	7788	88.8	9.3	22	22	-
CDXHE404 B 4	**23.5**	16.8	4	560	15.9	54	10840	79.0	8.1	22	22	-
CDXHE404 C 4	**29.9**	21.4	4	560	15.2	54	10380	118.4	12.2	22	22	-
CDXHE405 B 4	**30.5**	21.6	5	700	17.8	55	13550	98.7	10.1	22	22	-
CDXHE405 C 4	**37.6**	26.9	5	700	17.0	55	12980	148.1	15.1	28	28	-
Fin spacing 4 mm, fan speed L												
CDXLE301 B 4	**1.7**	1.2	1	17	3.0	33	626	7.2	0.9	12	12	-
CDXLE301 C 4	**2.0**	1.4	1	17	2.8	33	580	10.9	1.3	12	12	-
CDXLE302 B 4	**3.3**	2.3	2	34	4.3	36	1244	14.1	1.6	12	12	-
CDXLE302 C 4	**3.8**	2.8	2	34	4.0	36	1149	21.2	2.4	12	12	-
CDXLE303 B 4	**4.9**	3.5	3	51	5.3	38	1861	21.0	2.2	12	12	-
CDXLE303 C 4	**5.8**	4.2	3	51	4.9	38	1718	31.5	3.4	12	12	-
CDXLE304 B 4	**6.5**	4.6	4	68	6.1	39	2478	27.9	2.9	12	12	-
CDXLE304 C 4	**7.6**	5.5	4	68	5.6	39	2287	41.8	4.4	12	12	-
CDXLE401 B 4	**5.0**	3.6	1	73	6.0	41	2041	19.7	2.3	14	14	-
CDXLE401 C 4	**6.2**	4.4	1	73	5.7	41	1932	29.6	3.5	16	16	-
CDXLE402 B 4	**9.9**	7.1	2	146	8.5	44	4082	39.5	4.2	16	16	-
CDXLE402 C 4	**12.3**	8.8	2	146	8.0	44	3863	59.2	6.4	16	16	-
CDXLE403 B 4	**15.2**	10.9	3	219	10.4	46	6122	59.2	6.2	16	16	-
CDXLE403 C 4	**18.7**	13.4	3	219	9.8	46	5795	88.8	9.3	22	22	-
CDXLE404 B 4	**19.9**	14.2	4	292	12.0	47	8163	79.0	8.1	22	22	-
CDXLE404 C 4	**24.6**	17.6	4	292	11.3	47	7727	118.4	12.2	22	22	-
CDXLE405 B 4	**25.6**	18.2	5	365	13.4	48	10200	98.7	10.1	22	22	-
CDXLE405 C 4	**30.9**	22.1	5	365	12.7	48	9658	148.1	15.1	28	28	-

Model	Nominal capacities CO_2 DX				EC fans 230/50-60/1							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		operating power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CDX	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CDXHE301 B 7	**1.5**	1.1	0.8	0.7	1	35	4.7	42	969	4.4	0.9	12	12	-
CDXHE301 C 7	**2.0**	1.4	1.1	0.9	1	35	4.4	42	914	6.5	1.3	12	12	-
CDXHE302 B 7	**3.0**	2.2	1.7	1.4	2	70	6.7	45	1927	8.5	1.6	12	12	-
CDXHE302 C 7	**3.9**	2.8	2.2	1.8	2	70	6.3	45	1812	12.7	2.4	12	12	-
CDXHE303 B 7	**4.5**	3.2	2.6	2.0	3	105	8.2	47	2885	12.6	2.2	12	12	-
CDXHE303 C 7	**5.9**	4.2	3.4	2.8	3	105	7.7	47	2710	18.9	3.4	12	12	-
CDXHE304 B 7	**6.0**	4.3	3.4	2.8	4	140	9.5	48	3843	16.8	2.9	12	12	-
CDXHE304 C 7	**7.8**	5.5	4.4	3.6	4	140	8.9	48	3608	25.1	4.4	12	12	-
CDXHE401 B 7	**4.3**	3.0	2.4	2.0	1	140	8.2	48	2791	11.9	2.3	14	14	-
CDXHE401 C 7	**5.8**	4.1	3.3	2.7	1	140	7.9	48	2705	17.8	3.5	16	16	-
CDXHE402 B 7	**8.5**	6.1	4.8	3.9	2	280	11.6	51	5583	23.7	4.2	16	16	-
CDXHE402 C 7	**11.5**	8.2	6.5	5.3	2	280	11.2	51	5409	35.6	6.4	16	16	-
CDXHE403 B 7	**13.0**	9.2	7.3	6.0	3	420	14.2	53	8374	35.6	6.2	16	16	-
CDXHE403 C 7	**17.4**	12.4	9.9	8.2	3	420	13.8	53	8114	53.4	9.3	22	22	-
CDXHE404 B 7	**17.1**	12.2	9.6	7.8	4	560	16.4	54	11170	47.5	8.1	22	22	-
CDXHE404 C 7	**22.9**	16.3	13.0	10.7	4	560	15.9	54	10820	71.2	12.2	22	22	-
CDXHE405 B 7	**21.7**	15.4	12.3	10.1	5	700	18.3	55	13960	59.3	10.1	22	22	-
CDXHE405 C 7	**28.7**	20.5	16.3	13.4	5	700	17.8	55	13520	89.0	15.1	28	28	-
Fin spacing 7 mm, fan speed L														
CDXLE301 B 7	**1.2**	0.8	0.6	0.5	1	17	3.2	33	662	4.4	0.9	12	12	-
CDXLE301 C 7	**1.6**	1.1	0.9	0.7	1	17	3.0	33	627	6.5	1.3	12	12	-
CDXLE302 B 7	**2.4**	1.7	1.3	1.1	2	34	4.6	36	1316	8.5	1.6	12	12	-
CDXLE302 C 7	**3.0**	2.2	1.7	1.4	2	34	4.3	36	1246	12.7	2.4	12	12	-
CDXLE303 B 7	**3.5**	2.5	1.9	1.6	3	51	5.6	38	1971	12.6	2.2	12	12	-
CDXLE303 C 7	**4.6**	3.3	2.6	2.1	3	51	5.3	38	1864	18.9	3.4	12	12	-
CDXLE304 B 7	**4.7**	3.3	2.7	2.2	4	68	6.5	39	2626	16.8	2.9	12	12	-
CDXLE304 C 7	**6.0**	4.3	3.4	2.8	4	68	6.1	39	2482	25.1	4.4	12	12	-
CDXLE401 B 7	**3.6**	2.6	2.0	1.7	1	73	6.2	41	2123	11.9	2.3	14	14	-
CDXLE401 C 7	**4.8**	3.4	2.7	2.3	1	73	6.0	41	2040	17.8	3.5	16	16	-
CDXLE402 B 7	**7.2**	5.1	4.1	3.3	2	146	8.8	44	4245	23.7	4.2	16	16	-
CDXLE402 C 7	**9.5**	6.8	5.4	4.5	2	146	8.5	44	4081	35.6	6.4	16	16	-
CDXLE403 B 7	**10.9**	7.7	6.2	5.1	3	219	10.8	46	6368	35.6	6.2	16	16	-
CDXLE403 C 7	**14.4**	10.2	8.2	6.8	3	219	10.4	46	6121	53.4	9.3	22	22	-
CDXLE404 B 7	**14.4**	10.3	8.1	6.7	4	292	12.5	47	8491	47.5	8.1	22	22	-
CDXLE404 C 7	**19.0**	13.5	10.8	8.9	4	292	12.0	47	8162	71.2	12.2	22	22	-
CDXLE405 B 7	**18.2**	12.9	10.3	8.3	5	365	13.9	48	10610	59.3	10.1	22	22	-
CDXLE405 C 7	**23.8**	17.0	13.6	11.2	5	365	13.4	48	10200	89.0	15.1	28	28	-

Model	Nominal capacities HFC DX			Draw-through AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC1	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H													
CCEH251A	**2.9**	3.0	2.0	1	118	7.8	54	1254	8.4	1.9	12	14	-
CCEH251B	**3.6**	3.9	2.6	1	118	7.5	54	1200	12.6	2.8	12	16	-
CCEH251C	**4 .0**	4.3	2.9	1	118	7.2	54	1150	16.8	3.7	12	16	-
CCEH252A	**5.7**	6.0	4.0	2	236	11.3	57	2485	15.9	3.2	12	16	-
CCEH252B	**6.9**	7.4	5.0	2	236	10.7	57	2371	23.9	4.7	16	18	-
CCEH252C	**8.0**	8.4	5.8	2	236	10.3	57	2262	31.8	6.3	16	18	-
CCEH253A	**8 .0**	8.8	5.9	3	354	13.9	59	3716	23.4	4.5	16	18	-
CCEH253B	**10.8**	11.3	7.7	3	354	13.2	59	3539	35	6.7	16	22	-
CCEH253C	**11.7**	12.4	8.4	3	354	12.6	59	3371	46.9	8.9	16	22	-
CCEH254A	**11.6**	12.2	8.2	4	472	16	60	4946	30.9	5.8	16	22	-
CCEH254B	**13.8**	14.7	9.9	4	472	15.3	60	4707	46.4	8.7	16	22	-
CCEH351A	**5.6**	6.0	4.0	1	184	13.0	49	2643	13.5	3.0	12	16	-
CCEH351B	**7.0**	7.4	5.0	1	184	12.2	49	2468	20.2	4.4	16	18	-
CCEH351C	**7.9**	8.3	5.6	1	184	11.4	49	2314	26.9	5.9	16	22	-
CCEH352A	**11.0**	11.6	7.8	2	368	18.7	52	5213	25.5	5.0	16	22	-
CCEH352B	**12.8**	13.9	9.3	2	368	17.3	52	4840	38.2	7.6	22	22	-
CCEH352C	**15.3**	16.0	10.9	2	368	16.2	52	4515	50.9	10.0	22	28	-
CCEH353A	**16.6**	17.3	11.7	3	552	23.0	54	7779	37.5	7.0	22	28	-
CCEH353B	**20.2**	21.4	14.4	3	552	21.3	54	7209	56.2	10.7	22	28	-
CCEH353C	**21.7**	23.2	15.7	3	552	19.8	54	6712	75.0	14.3	22	28	-
CCEH354A	**21.7**	23.0	15.4	4	736	26.6	55	10350	49.5	9.2	22	28	-
CCEH354B	**25.3**	27.5	18.4	4	736	24.6	55	9576	74.2	13.9	28	28	-
Fin spacing 4 mm, fan speed L													
CCEL251A	**2.0**	2.2	1.5	1	45	4.7	34	746	8.4	1.9	12	14	-
CCEL251B	**2.5**	2.7	1.8	1	45	4.5	34	718	12.6	2.8	12	16	-
CCEL251C	**2.8**	2.9	2.0	1	45	4.3	34	692	16.8	3.7	12	16	-
CCEL252A	**4.0**	4.4	3.0	2	90	6.7	37	1481	15.9	3.2	12	16	-
CCEL252B	**4.9**	5.2	3.5	2	90	6.4	37	1420	23.9	4.7	16	18	-
CCEL252C	**5.4**	5.6	3.9	2	90	6.2	37	1364	31.8	6.3	16	18	-
CCEL253A	**6.0**	6.4	4.3	3	135	8.3	39	2215	23.4	4.5	16	18	-
CCEL253B	**7.5**	7.8	5.3	3	135	7.9	39	2121	35	6.7	16	22	-
CCEL253C	**8.0**	8.4	5.8	3	135	7.6	39	2035	46.9	8.9	16	22	-
CCEL254A	**8.3**	8.6	5.9	4	180	9.6	40	2948	30.9	5.8	16	22	-
CCEL254B	**9.8**	10.3	7.0	4	180	9.2	40	2822	46.4	8.7	16	22	-
CCEL351A	**4.3**	4.5	3.0	1	65	8.3	42	1683	13.5	3.0	12	16	-
CCEL351B	**5.0**	5.3	3.7	1	65	7.6	42	1547	20.2	4.4	16	18	-
CCEL351C	**5.5**	5.7	3.9	1	65	7	42	1437	26.9	5.9	16	22	-
CCEL352A	**8.3**	8.8	5.9	2	130	11.9	45	3307	25.5	5.0	16	22	-
CCEL352B	**9.6**	10.2	6.9	2	130	10.8	45	3024	38.2	7.6	22	22	-
CCEL352C	**10.7**	11	7.6	2	130	10.0	45	2797	50.9	10.0	22	28	-
CCEL353A	**12.4**	12.9	8.8	3	195	14.6	47	4929	37.5	7.0	22	28	-
CCEL353B	**14.7**	15.4	10.5	3	195	13.3	47	4498	56.2	10.7	22	28	-
CCEL353C	**15.5**	16.3	11.0	3	195	12.3	47	4154	75.0	14.3	22	28	-
CCEL354A	**16.5**	17.3	11.7	4	260	16.8	48	6550	49.5	9.2	22	28	-
CCEL354B	**19.0**	20.2	13.7	4	260	15.4	48	5972	74.2	13.9	28	28	-

Model	Nominal capacities HFC DX			Draw-through AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2	SC3		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 5.5 mm, fan speed H													
CCEH251A	**2.5**	1.8	1.4	1	118	7.9	54	1272	6.3	1.9	12	14	-
CCEH251B	**3.2**	2.3	1.8	1	118	7.6	54	1226	9.5	2.8	12	16	-
CCEH251C	**3.8**	2.7	2.1	1	118	7.4	54	1183	12.6	3.7	12	16	-
CCEH252A	**4.9**	3.5	2.7	2	236	11.4	57	2525	11.9	3.2	12	16	-
CCEH252B	**6.2**	4.5	3.5	2	236	11.0	57	2425	17.9	4.7	16	18	-
CCEH252C	**7.4**	5.3	4.2	2	236	10.6	57	2333	23.9	6.3	16	18	-
CCEH253A	**7.1**	5.1	3.9	3	354	14.1	59	3776	17.6	4.5	16	18	-
CCEH253B	**9.6**	6.8	5.4	3	354	13.5	59	3624	26.4	6.7	16	22	-
CCEH253C	**10.8**	7.7	6.1	3	354	13.0	59	3481	35.1	8.9	16	22	-
CCEH254A	**9.9**	7.0	5.5	4	472	16.3	60	5027	23.2	5.8	16	22	-
CCEH254B	**12.4**	8.9	6.9	4	472	15.7	60	4821	34.8	8.7	16	22	-
CCEH351A	**4.9**	3.5	2.7	1	184	13.3	49	2700	10.1	3	12	16	-
CCEH351B	**6.3**	4.5	3.5	1	184	12.6	49	2546	15.1	4.4	16	18	-
CCEH351C	**7.2**	5.2	4.1	1	184	11.9	49	2408	20.2	5.9	16	22	-
CCEH352A	**9.5**	6.8	5.3	2	368	19.1	52	5334	19.1	5.1	16	22	✓
CCEH352B	**11.6**	8.4	6.4	2	368	17.9	52	5005	28.7	7.6	22	22	✓
CCEH352C	**14.1**	10.0	8.0	2	368	16.9	52	4712	38.2	10.1	22	28	✓
CCEH353A	**14.3**	10.1	7.9	3	552	23.5	54	7965	28.1	7.1	22	28	-
CCEH353B	**18.1**	12.9	10.1	3	552	22.0	54	7460	42.2	10.7	22	28	-
CCEH353C	**20.1**	14.5	11.2	3	552	20.7	54	7011	56.2	14.3	22	28	✓
CCEH354A	**18.9**	13.4	10.4	4	736	27.2	55	10600	37.1	9.2	22	28	-
CCEH354B	**23.0**	16.6	12.7	4	736	25.5	55	9913	55.7	13.9	28	28	✓
Fin spacing 5.5 mm, fan speed L													
CCEL251A	**1.8**	1.3	1.0	1	45	4.7	34	758	6.3	1.9	12	14	-
CCEL251B	**2.3**	1.6	1.3	1	45	4.6	34	733	9.5	2.8	12	16	-
CCEL251C	**2.5**	1.8	1.5	1	45	4.4	34	711	12.6	3.7	12	16	-
CCEL252A	**3.5**	2.5	2.0	2	90	6.8	37	1505	11.9	3.2	12	16	-
CCEL252B	**4.4**	3.1	2.5	2	90	6.6	37	1452	17.9	4.7	16	18	-
CCEL252C	**5.0**	3.6	2.9	2	90	6.4	37	1405	23.9	6.3	16	18	-
CCEL253A	**5.2**	3.7	2.9	3	135	8.4	39	2252	17.6	4.5	16	18	-
CCEL253B	**6.6**	4.7	3.8	3	135	8.1	39	2171	26.4	6.7	16	22	-
CCEL253C	**7.4**	5.3	4.3	3	135	7.8	39	2098	35.1	8.9	16	22	-
CCEL254A	**7.0**	5.0	4.0	4	180	9.7	40	2999	23.2	5.8	16	22	-
CCEL254B	**8.7**	6.2	5.0	4	180	9.4	40	2889	34.8	8.7	16	22	-
CCEL351A	**3.7**	2.6	2.1	1	65	8.6	42	1735	10.1	3	12	16	-
CCEL351B	**4.6**	3.3	2.6	1	65	8.0	42	1614	15.1	4.4	16	18	-
CCEL351C	**5.1**	3.6	2.9	1	65	7.5	42	1512	20.2	5.9	16	22	-
CCEL352A	**7.2**	5.1	4.0	2	130	12.2	45	3417	19.1	5.1	16	22	-
CCEL352B	**8.7**	6.3	4.9	2	130	11.3	45	3161	28.7	7.6	22	22	-
CCEL352C	**9.9**	7.1	5.7	2	130	10.6	45	2949	38.2	10.1	22	28	-
CCEL353A	**10.7**	7.5	6.0	3	195	15.1	47	5098	28.1	7.1	22	28	-
CCEL353B	**13.2**	9.4	7.5	3	195	13.9	47	4705	42.2	10.7	22	28	-
CCEL353C	**14.5**	10.4	8.3	3	195	13.0	47	4385	56.2	14.3	22	28	-
CCEL354A	**14.2**	10.1	7.9	4	260	17.4	48	6775	37.1	9.2	22	28	-
CCEL354B	**17.2**	12.3	9.7	4	260	16.1	48	6250	55.7	13.9	28	28	-

Model	Nominal capacities HFC DX				Draw-through AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCE	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm. fan speed H														
CCEH251A	**2.2**	1.6	1.2	1.0	1	118	8.0	54	1288	5.1	1.9	12	14	-
CCEH251B	**2.9**	2.1	1.6	1.3	1	118	7.8	54	1248	7.7	2.8	12	16	✓
CCEH251C	**3.5**	2.5	2.0	1.6	1	118	7.5	54	1210	10.2	3.7	12	16	-✓
CCEH252A	**4.3**	3.1	2.4	2.0	2	236	11.6	57	2559	9.7	3.2	12	16	✓
CCEH252B	**5.6**	4.0	3.2	2.5	2	236	11.2	57	2472	14.5	4.7	16	18	✓
CCEH252C	**6.8**	4.8	3.8	3.1	2	236	10.8	57	2391	19.4	6.3	16	18	✓
CCEH253A	**6.3**	4.5	3.5	2.8	3	354	14.3	59	3829	14.2	4.5	16	18	-
CCEH253B	**8.6**	6.1	4.9	4.0	3	354	13.8	59	3695	21.4	6.7	16	22	-
CCEH253C	**10.0**	7.1	5.6	4.6	3	354	13.3	59	3571	28.5	8.9	16	22	-
CCEH254A	**8.7**	6.1	4.9	4.0	4	472	16.6	60	5098	18.8	5.8	16	22	-
CCEH254B	**11.2**	8.0	6.3	5.1	4	472	16.0	60	4918	28.2	8.7	16	22	-
CCEH351A	**4.3**	3.1	2.4	1.9	1	184	13.6	49	2752	8.2	3.0	12	16	-
CCEH351B	**5.7**	4.0	3.2	2.6	1	184	12.9	49	2618	12.3	4.4	16	18	-
CCEH351C	**6.7**	4.7	3.8	3.1	1	184	12.3	49	2495	16.4	5.9	16	22	✓
CCEH352A	**8.4**	6.0	4.7	3.8	2	368	19.5	52	5447	15.5	5.1	16	22	✓
CCEH352B	**10.7**	7.7	5.9	4.7	2	368	18.5	52	5158	23.2	7.6	22	22	✓
CCEH352C	**13.0**	9.2	7.3	6.0	2	368	17.5	52	4895	31.0	10.1	22	28	✓
CCEH353A	**12.6**	8.8	7.0	5.7	3	552	24.0	54	8140	22.8	7.1	22	28	-
CCEH353B	**16.4**	11.7	9.2	7.5	3	552	22.7	54	7695	34.2	10.7	22	28	✓
CCEH353C	**18.8**	13.5	10.5	8.4	3	552	21.5	54	7292	45.6	14.3	22	28	✓
CCEH354A	**16.6**	11.8	9.2	7.5	4	736	27.8	55	10830	30.1	9.2	22	28	-
CCEH354B	**21.1**	15.2	11.7	9.3	4	736	26.3	55	10230	45.1	13.9	28	28	✓
Fin spacing 7 mm. fan speed L														
CCEL251A	**1.6**	1.1	0.9	0.7	1	45	4.8	34	767	5.1	1.9	12	14	-
CCEL251B	**2.0**	1.5	1.2	1.0	1	45	4.6	34	745	7.7	2.8	12	16	-
CCEL251C	**2.4**	1.7	1.4	1.1	1	45	4.5	34	725	10.2	3.7	12	16	✓
CCEL252A	**3.1**	2.2	1.8	1.4	2	90	6.9	37	1524	9.7	3.2	12	16	✓
CCEL252B	**4.0**	2.8	2.3	1.9	2	90	6.7	37	1477	14.5	4.7	16	18	✓
CCEL252C	**4.6**	3.3	2.7	2.2	2	90	6.5	37	1435	19.4	6.3	16	18	✓
CCEL253A	**4.6**	3.3	2.6	2.1	3	135	8.5	39	2281	14.2	4.5	16	18	-
CCEL253B	**6.0**	4.2	3.4	2.8	3	135	8.2	39	2208	21.4	6.7	16	22	✓
CCEL253C	**6.9**	4.9	3.9	3.2	3	135	8.0	39	2144	28.5	8.9	16	22	✓
CCEL254A	**6.1**	4.3	3.5	2.9	4	180	9.9	40	3037	18.8	5.8	16	22	-
CCEL254B	**7.9**	5.6	4.5	3.7	4	180	9.6	40	2940	28.2	8.7	16	22	✓
CCEL351A	**3.3**	2.3	1.8	1.5	1	65	8.8	42	1778	8.2	3.0	12	16	-
CCEL351B	**4.2**	3.0	2.4	1.9	1	65	8.2	42	1669	12.3	4.4	16	18	-
CCEL351C	**4.8**	3.4	2.7	2.2	1	65	7.8	42	1575	16.4	5.9	16	22	-
CCEL352A	**6.4**	4.5	3.6	2.9	2	130	12.6	45	3509	15.5	5.1	16	22	-
CCEL352B	**8.0**	5.7	4.5	3.6	2	130	11.7	45	3277	23.2	7.6	22	22	-
CCEL352C	**9.3**	6.6	5.3	4.4	2	130	11.0	45	3080	31.0	10.1	22	28	-
CCEL353A	**9.4**	6.6	5.2	4.3	3	195	15.5	47	5238	22.8	7.1	22	28	-
CCEL353B	**12.1**	8.6	6.8	5.6	3	195	14.4	47	4883	34.2	10.7	22	28	-
CCEL353C	**13.6**	9.7	7.7	6.3	3	195	13.5	47	4583	45.6	14.3	22	28	-
CCEL354A	**12.5**	8.9	7.0	5.7	4	260	17.9	48	6966	30.1	9.2	22	28	-
CCEL354B	**15.8**	11.3	8.9	7.2	4	260	16.7	48	6489	45.1	13.9	28	28	-

Model	Nominal capacities HFC DX			Draw-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC1	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H													
CCEH251A	**3.0**	3.2	2.1	1	100	8.1	58	1304	8.4	1.9	12	14	-
CCEH251B	**3.7**	4.0	2.7	1	100	7.8	58	1255	12.6	2.8	12	16	-
CCEH251C	**4.2**	4.5	3.1	1	100	7.5	58	1209	16.8	3.7	12	16	-
CCEH252A	**5.8**	6.2	4.2	2	200	11.7	61	2588	15.9	3.2	12	16	-
CCEH252B	**7.1**	7.7	5.2	2	200	11.3	61	2482	23.9	4.7	16	18	-
CCEH252C	**8.3**	8.8	6.0	2	200	10.8	61	2384	31.8	6.3	16	18	-
CCEH253A	**8.3**	9.0	6.0	3	300	14.5	63	3871	23.4	4.5	16	18	-
CCEH253B	**11.1**	11.7	7.9	3	300	13.9	63	3709	35.1	6.7	16	22	-
CCEH253C	**12.1**	12.9	8.8	3	300	13.3	63	3556	46.9	8.9	16	22	-
CCEH254A	**11.9**	12.5	8.4	4	400	16.8	64	5154	30.9	5.8	16	22	-
CCEH254B	**14.2**	15.2	10.2	4	400	16.0	64	4934	46.4	8.7	16	22	-
CCEH351A	**5.4**	5.8	3.9	1	170	12.3	48	2493	13.5	3.0	12	16	-
CCEH351B	**6.8**	7.2	4.9	1	170	11.5	48	2334	20.2	4.4	16	18	-
CCEH351C	**7.6**	7.9	5.4	1	170	10.8	48	2188	26.9	5.9	16	22	-
CCEH352A	**10.6**	11.2	7.6	2	340	17.6	51	4919	25.5	5.1	16	22	-
CCEH352B	**12.4**	13.4	9.0	2	340	16.4	51	4578	38.2	7.6	22	22	-
CCEH352C	**14.7**	15.4	10.5	2	340	15.3	51	4267	50.9	10.1	22	28	-
CCEH353A	**16.0**	16.7	11.3	3	510	21.7	53	7343	37.5	7.1	22	28	-
CCEH353B	**19.5**	20.6	13.9	3	510	20.1	53	6818	56.2	10.7	22	28	-
CCEH353C	**20.9**	22.3	15.1	3	510	18.7	53	6342	75.0	14.3	22	28	-
CCEH354A	**21.0**	22.2	14.9	4	680	25.1	54	9766	49.5	9.2	22	28	-
CCEH354B	**24.6**	26.6	17.8	4	680	23.3	54	9058	74.2	13.9	28	28	-

Model	Nominal capacities HFC DX			Draw-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC1	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H													
CCEH401A	**7.6**	8.0	5.4	1	280	16.0	53	3653	17.0	3.7	16	18	-
CCEH401B	**9.0**	9.7	6.5	1	280	14.8	53	3367	25.5	5.5	16	18	-
CCEH401C	**10.3**	10.9	7.4	1	280	13.7	53	3122	34.1	7.3	16	22	-
CCEH402A	**14.5**	15.6	10.4	2	560	22.8	56	7254	33.3	6.5	16	22	-
CCEH402B	**16.2**	18.1	11.9	2	560	20.9	56	6668	49.9	9.8	16	22	-
CCEH402C	**20.4**	21.5	14.6	2	560	19.3	56	6169	66.5	13.0	22	35	-
CCEH403A	**22.5**	23.7	15.9	3	840	27.9	58	10850	49.5	9.3	22	28	-
CCEH403B	**26.7**	28.7	19.2	3	840	25.6	58	9968	74.2	14.0	22	28	-
CCEH403C	**28.0**	30.6	20.5	3	840	23.7	58	9214	98.9	18.7	22	28	-
CCEH404A	**28.8**	31.0	20.7	4	1120	32.3	59	14450	65.7	12.1	22	28	-
CCEH404B	**32.4**	36.0	23.8	4	1120	29.6	59	13270	98.5	18.2	22	28	-
CCEH404C	**37.3**	40.8	27.2	4	1120	27.4	59	12260	131.4	24.3	22	35	-
CCEH501A	**14.4**	15.6	10.3	1	720	22.4	55	6844	49.9	11.1	16	35	-
CCEH501B	**18.4**	19.5	13.1	1	720	20.7	55	6333	74.8	16.7	22	35	-
CCEH501C	**19.7**	21.1	14.2	1	720	19.3	55	5915	99.8	22.3	22	42	-
CCEH502A	**27.2**	30.0	19.8	2	1440	31.6	58	13690	99.8	20.4	22	42	-
CCEH502B	**36.4**	38.8	26.0	2	1440	29.3	58	12670	149.7	30.5	28	42	-
CCEH502C	**39.6**	42.4	28.5	2	1440	27.3	58	11830	199.5	40.8	28	42	-
CCEH503A	**44.3**	47.4	31.5	3	2160	38.7	60	20530	149.7	29.6	28	42	-
CCEH503B	**47.8**	53.5	35.2	3	2160	35.8	60	19000	224.5	44.4	28	42	-
CCEH503C	**59.4**	63.6	42.8	3	2160	33.5	60	17750	299.3	59.2	28	42	-
CCEH504A	**60.0**	63.5	42.4	4	2880	44.7	61	27370	199.5	38.8	28	54	-
CCEH504B	**69.8**	75.8	50.5	4	2880	41.4	61	25330	299.3	58.3	28	54	-
CCEH504C	**79.3**	84.9	57.1	4	2880	38.7	61	23660	399.1	77.7	28	54	-
Fin spacing 4 mm, fan speed L													
CCEL401A	**5.6**	5.9	4.0	1	120	9.7	43	2220	17.0	3.7	16	18	-
CCEL401B	**6.6**	6.9	4.7	1	120	8.9	43	2038	25.5	5.5	16	18	-
CCEL401C	**7.1**	7.4	5.1	1	120	8.3	43	1886	34.1	7.3	16	22	-
CCEL402A	**10.9**	11.5	7.8	2	240	13.8	46	4406	33.3	6.5	16	22	-
CCEL402B	**12.3**	13.3	8.9	2	240	12.7	46	4034	49.9	9.8	16	22	-
CCEL402C	**14.1**	14.7	10.1	2	240	11.7	46	3725	66.5	13.0	22	35	-
CCEL403A	**16.6**	17.3	11.7	3	360	17.0	48	6592	49.5	9.3	22	28	-
CCEL403B	**19.4**	20.4	13.9	3	360	15.5	48	6030	74.2	14.0	22	28	-
CCEL403C	**20.2**	21.5	14.6	3	360	14.3	48	5564	98.9	18.7	22	28	-
CCEL404A	**21.7**	23.0	15.5	4	480	19.6	49	8777	65.7	12.1	22	28	-
CCEL404B	**24.6**	26.5	17.8	4	480	17.9	49	8025	98.5	18.2	22	28	-
CCEL404C	**26.9**	28.6	19.4	4	480	16.5	49	7403	131.4	24.3	22	35	-
CCEL501A	**11.4**	12.1	8.1	1	290	14.8	45	4535	49.9	11.1	16	35	-
CCEL501B	**13.9**	14.5	9.8	1	290	13.7	45	4187	74.8	16.7	22	35	-
CCEL501C	**14.7**	15.5	10.5	1	290	12.7	45	3875	99.8	22.3	22	42	-
CCEL502A	**22.0**	23.8	15.9	2	580	21.0	48	9071	99.8	20.4	22	42	-
CCEL502B	**27.6**	29.0	19.6	2	580	19.3	48	8375	149.7	30.5	28	42	-
CCEL502C	**29.4**	31.0	21.1	2	580	17.9	48	7751	199.5	40.8	28	42	-
CCEL503A	**34.7**	36.5	24.5	3	870	25.7	50	13610	149.7	29.6	28	42	-
CCEL503B	**38.4**	41.7	27.9	3	870	23.7	50	12560	224.5	44.4	28	42	-
CCEL503C	**44.2**	46.5	31.6	3	870	21.9	50	11630	299.3	59.2	28	42	-
CCEL504A	**46.5**	48.6	32.7	4	1160	29.6	51	18140	199.5	38.8	28	54	-
CCEL504B	**54.1**	57.5	38.8	4	1160	27.4	51	16750	299.3	58.3	28	54	-
CCEL504C	**58.9**	62.0	42.1	4	1160	25.3	51	15500	399.1	77.7	28	54	-

Model	Nominal capacities HFC DX				Draw-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCE	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CCEH251A	**2.3**	1.6	1.3	1.0	1	100	8.3	58	1337	5.1	1.9	12	14	-
CCEH251B	**3.0**	2.1	1.7	1.4	1	100	8.1	58	1298	7.7	2.8	12	16	-
CCEH251C	**3.6**	2.5	2.0	1.6	1	100	7.9	58	1264	10.2	3.7	12	16	-
CCEH252A	**4.5**	3.2	2.5	2.0	2	200	12.0	61	2658	9.7	3.2	12	16	-
CCEH252B	**5.8**	4.2	3.2	2.6	2	200	11.7	61	2575	14.5	4.7	16	18	-
CCEH252C	**7.0**	5.0	4.0	3.2	2	200	11.3	61	2501	19.4	6.3	16	18	-
CCEH253A	**6.5**	4.6	3.6	2.9	3	300	14.9	63	3977	14.2	4.5	16	18	-
CCEH253B	**8.8**	6.3	5.0	4.1	3	300	14.4	63	3851	21.4	6.7	16	22	-
CCEH253C	**10.3**	7.4	5.8	4.7	3	300	14.0	63	3737	28.5	8.9	16	22	-
CCEH254A	**8.9**	6.3	5.0	4.1	4	400	17.2	64	5297	18.8	5.8	16	22	-
CCEH254B	**11.5**	8.2	6.4	5.2	4	400	16.7	64	5126	28.2	8.7	16	22	-
CCEH351A	**4.2**	3.0	2.3	1.9	1	170	12.8	48	2595	8.2	3.0	12	16	-
CCEH351B	**5.5**	3.9	3.1	2.5	1	170	12.2	48	2471	12.3	4.4	16	18	-
CCEH351C	**6.4**	4.6	3.6	3.0	1	170	11.6	48	2359	16.4	5.9	16	22	-
CCEH352A	**8.1**	5.8	4.5	3.7	2	340	18.4	51	5136	15.5	5.1	16	22	-
CCEH352B	**10.3**	7.4	5.7	4.6	2	340	17.5	51	4872	23.2	7.6	22	22	-
CCEH352C	**12.5**	8.9	7.1	5.8	2	340	16.6	51	4631	31.0	10.1	22	28	-
CCEH353A	**12.1**	8.5	6.7	5.5	3	510	22.7	53	7675	22.8	7.1	22	28	-
CCEH353B	**15.8**	11.2	8.9	7.2	3	510	21.5	53	7269	34.2	10.7	22	28	-
CCEH353C	**18.1**	13.0	10.1	8.2	3	510	20.4	53	6900	45.6	14.3	22	28	-
CCEH354A	**16.0**	11.4	8.9	7.2	4	680	26.3	54	10210	30.1	9.2	22	28	-
CCEH354B	**20.4**	14.6	11.3	9.1	4	680	24.8	54	9666	45.1	13.9	28	28	-

Model	Nominal capacities HFC DX				Draw-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCE	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CCEH401A	**5.8**	4.1	3.2	2.6	1	280	16.8	53	3836	10.4	3.7	16	18	-
CCEH401B	**7.4**	5.3	4.1	3.3	1	280	15.8	53	3609	15.5	5.5	16	18	-
CCEH401C	**8.9**	6.3	5.0	4.0	1	280	14.9	53	3408	20.7	7.3	16	22	-
CCEH402A	**11.3**	8.1	6.3	5.0	2	560	23.9	56	7630	20.2	6.5	16	22	-
CCEH402B	**13.9**	10.1	7.6	5.9	2	560	22.5	56	7164	30.3	9.8	16	22	-
CCEH402C	**17.5**	12.5	9.9	8.0	2	560	21.2	56	6749	40.4	13.0	22	35	-
CCEH403A	**17.2**	12.2	9.5	7.8	3	840	29.4	58	11420	30.1	9.3	22	28	-
CCEH403B	**22.1**	15.8	12.3	9.9	3	840	27.6	58	10720	45.1	14.0	22	28	✓
CCEH403C	**24.7**	17.9	13.7	10.8	3	840	25.9	58	10090	60.2	18.7	22	28	-
CCEH404A	**22.6**	16.1	12.5	10.0	4	1120	34.0	59	15220	39.9	12.1	22	28	-
CCEH404B	**27.7**	20.1	15.1	11.9	4	1120	31.8	59	14270	59.9	18.2	22	28	-
CCEH404C	**32.9**	23.8	18.2	14.5	4	1120	30.0	59	13430	79.9	24.3	22	35	-
CCEH501A	**11.0**	7.8	5.9	4.8	1	720	23.9	55	7329	29.7	11.1	16	35	-
CCEH501B	**14.7**	10.3	8.0	6.5	1	720	22.7	55	6949	44.5	16.7	22	35	-
CCEH501C	**17.0**	12.1	9.4	7.5	1	720	21.6	55	6616	59.4	22.3	22	42	-
CCEH502A	**21.3**	15.3	11.5	9.2	2	1440	33.9	58	14660	59.4	20.4	22	42	-
CCEH502B	**29.2**	20.7	16.0	12.9	2	1440	32.1	58	13900	89.0	30.5	28	42	-
CCEH502C	**34.0**	24.3	18.8	15.1	2	1440	30.6	58	13230	118.7	40.8	28	42	✓
CCEH503A	**33.2**	23.4	18.0	14.5	3	2160	41.5	60	21990	89.0	29.6	28	42	-
CCEH503B	**40.5**	29.4	22.0	17.4	3	2160	39.3	60	20850	133.5	44.4	28	42	✓
CCEH503C	**51.1**	36.4	28.2	22.7	3	2160	37.4	60	19850	178.1	59.2	28	42	✓
CCEH504A	**44.5**	31.1	24.0	19.4	4	2880	47.9	61	29320	118.7	38.8	28	54	-
CCEH504B	**57.2**	40.9	31.3	25.1	4	2880	45.4	61	27800	178.1	58.3	28	54	✓
CCEH504C	**68.1**	48.6	37.6	30.3	4	2880	43.2	61	26470	237.4	77.7	28	54	✓
Fin spacing 7 mm, fan speed L														
CCEL401A	**4.2**	3.0	2.4	1.9	1	120	10.3	43	2344	10.4	3.7	16	18	-
CCEL401B	**5.4**	3.8	3.0	2.5	1	120	9.6	43	2201	15.5	5.5	16	18	-
CCEL401C	**6.2**	4.4	3.5	2.9	1	120	9.1	43	2074	20.7	7.3	16	22	-
CCEL402A	**8.4**	5.9	4.7	3.8	2	240	14.6	46	4661	20.2	6.5	16	22	-
CCEL402B	**10.4**	7.4	5.8	4.6	2	240	13.7	46	4367	30.3	9.8	16	22	-
CCEL402C	**12.3**	8.7	7.0	5.8	2	240	12.9	46	4108	40.4	13.0	22	35	-
CCEL403A	**12.5**	8.8	7.0	5.8	3	360	17.9	48	6979	30.1	9.3	22	28	-
CCEL403B	**16.0**	11.4	9.0	7.4	3	360	16.8	48	6533	45.1	14.0	22	28	-
CCEL403C	**17.9**	12.9	10.1	8.2	3	360	15.8	48	6141	60.2	18.7	22	28	-
CCEL404A	**16.7**	11.8	9.3	7.6	4	480	20.7	49	9296	39.9	12.1	22	28	-
CCEL404B	**20.6**	14.8	11.5	9.3	4	480	19.4	49	8698	59.9	18.2	22	28	-
CCEL404C	**23.8**	17.1	13.5	10.9	4	480	18.2	49	8173	79.9	24.3	22	35	-
CCEL501A	**8.6**	6.1	4.7	3.8	1	290	15.8	45	4841	29.7	11.1	16	35	-
CCEL501B	**11.3**	7.9	6.2	5.1	1	290	15.1	45	4609	44.5	16.7	22	35	-
CCEL501C	**13.0**	9.2	7.3	5.9	1	290	14.4	45	4394	59.4	22.3	22	42	-
CCEL502A	**17.0**	12.1	9.3	7.5	2	580	22.4	48	9681	59.4	20.4	22	42	-
CCEL502B	**22.5**	15.9	12.5	10.2	2	580	21.3	48	9217	89.0	30.5	28	42	-
CCEL502C	**26.0**	18.5	14.6	11.9	2	580	20.3	48	8787	118.7	40.8	28	42	-
CCEL503A	**26.0**	18.3	14.2	11.6	3	870	27.4	50	14520	89.0	29.6	28	42	-
CCEL503B	**32.4**	23.3	17.9	14.4	3	870	26.1	50	13830	133.5	44.4	28	42	-
CCEL503C	**39.1**	27.7	21.9	17.8	3	870	24.9	50	13180	178.1	59.2	28	42	-
CCEL504A	**34.6**	24.2	18.9	15.3	4	1160	31.6	51	19360	118.7	38.8	28	54	-
CCEL504B	**44.7**	31.8	24.8	20.1	4	1160	30.1	51	18430	178.1	58.3	28	54	-
CCEL504C	**52.1**	37.0	29.2	23.7	4	1160	28.7	51	17570	237.4	77.7	28	54	-

Model	Nominal capacities HFC DX				Draw-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCE	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 10 mm, fan speed H														
CCEH501A	**9.1**	6.4	4.9	4.0	1	720	24.5	55	7490	21.6	11.1	16	35	-
CCEH501B	**12.4**	8.7	6.8	5.5	1	720	23.4	55	7163	32.4	16.7	22	35	-
CCEH501C	**14.9**	10.6	8.2	6.6	1	720	22.4	55	6870	43.2	22.3	22	42	-
CCEH502A	**18.0**	12.8	9.8	7.8	2	1440	34.6	58	14980	43.2	20.4	22	42	-
CCEH502B	**24.8**	17.5	13.6	11.0	2	1440	33.1	58	14330	64.8	30.5	28	42	-
CCEH502C	**29.8**	21.2	16.5	13.3	2	1440	31.7	58	13740	86.4	40.8	28	42	-
CCEH503A	**27.5**	19.3	14.9	12.1	3	2160	42.4	60	22470	64.8	29.6	28	42	-
CCEH503B	**35.4**	25.5	19.3	15.4	3	2160	40.5	60	21490	97.2	44.4	28	42	-
CCEH503C	**44.7**	31.8	24.7	20.0	3	2160	38.9	60	20610	129.6	59.2	28	42	-
CCEH504A	**36.6**	25.5	19.8	16.0	4	2880	48.9	61	29960	86.4	38.8	28	54	-
CCEH504B	**49.1**	34.9	26.9	21.7	4	2880	46.8	61	28650	129.6	58.3	28	54	-
CCEH504C	**59.7**	42.3	33.0	26.7	4	2880	44.9	61	27480	172.8	77.7	28	54	-
Fin spacing 10 mm, fan speed L														
CCEL501A	**7.2**	5.0	3.9	3.2	1	290	16.2	45	4944	21.6	11.1	16	35	-
CCEL501B	**9.6**	6.7	5.3	4.3	1	290	15.5	45	4744	32.4	16.7	22	35	-
CCEL501C	**11.5**	8.1	6.4	5.2	1	290	14.9	45	4565	43.2	22.3	22	42	-
CCEL502A	**14.3**	10.1	7.8	6.3	2	580	22.8	48	9889	43.2	20.4	22	42	-
CCEL502B	**19.2**	13.5	10.6	8.7	2	580	21.9	48	9489	64.8	30.5	28	42	-
CCEL502C	**23.0**	16.2	12.8	10.5	2	580	21.1	48	9131	86.4	40.8	28	42	-
CCEL503A	**21.5**	15.1	11.8	9.6	3	870	28.0	50	14830	64.8	29.6	28	42	-
CCEL503B	**28.2**	20.1	15.6	12.6	3	870	26.8	50	14230	97.2	44.4	28	42	-
CCEL503C	**34.4**	24.4	19.2	15.7	3	870	25.8	50	13700	129.6	59.2	28	42	-
CCEL504A	**28.6**	19.9	15.6	12.7	4	1160	32.3	51	19780	86.4	38.8	28	54	-
CCEL504B	**38.4**	27.2	21.3	17.3	4	1160	31.0	51	18980	129.6	58.3	28	54	-
CCEL504C	**45.9**	32.5	25.6	20.9	4	1160	29.8	51	18260	172.8	77.7	28	54	-
Fin spacing 12 mm, fan speed H														
CCEH501A	**8.4**	5.9	4.5	3.7	1	720	24.6	55	7537	18.5	11.1	16	35	-
CCEH501B	**11.5**	8.0	6.3	5.1	1	720	23.6	55	7227	27.7	16.7	22	35	-
CCEH501C	**13.9**	9.8	7.7	6.2	1	720	22.7	55	6948	36.9	22.3	22	42	-
CCEH502A	**16.5**	11.7	9.0	7.2	2	1440	34.8	58	15070	36.9	20.4	22	42	-
CCEH502B	**23.0**	16.1	12.6	10.2	2	1440	33.4	58	14450	55.4	30.5	28	42	-
CCEH502C	**27.8**	19.7	15.4	12.5	2	1440	32.1	58	13900	73.8	40.8	28	42	-
CCEH503A	**25.1**	17.6	13.6	11.1	3	2160	42.7	60	22610	55.4	29.6	28	42	-
CCEH503B	**33.1**	23.7	18.1	14.5	3	2160	40.9	60	21680	83.0	44.4	28	42	-
CCEH503C	**41.8**	29.6	23.1	18.7	3	2160	39.3	60	20840	110.7	59.2	28	42	-
CCEH504A	**33.4**	23.3	18.1	14.7	4	2880	49.2	61	30150	73.8	38.8	28	54	-
CCEH504B	**45.5**	32.3	25.0	20.2	4	2880	47.2	61	28910	110.7	58.3	28	54	-
CCEH504C	**55.7**	39.5	30.8	24.9	4	2880	45.4	61	27790	147.6	77.7	28	54	-
Fin spacing 12 mm, fan speed L														
CCEL501A	**6.6**	4.6	3.6	2.9	1	290	16.3	45	4977	18.5	11.1	16	35	-
CCEL501B	**8.9**	6.2	4.9	4.0	1	290	15.6	45	4787	27.7	16.7	22	35	-
CCEL501C	**10.7**	7.6	6.0	4.9	1	290	15.1	45	4618	36.9	22.3	22	42	-
CCEL502A	**13.1**	9.3	7.2	5.9	2	580	23.0	48	9954	36.9	20.4	22	42	-
CCEL502B	**17.8**	12.5	9.8	8.0	2	580	22.1	48	9573	55.4	30.5	28	42	-
CCEL502C	**21.5**	15.2	12.0	9.8	2	580	21.3	48	9236	73.8	40.8	28	42	-
CCEL503A	**19.7**	13.8	10.8	8.8	3	870	28.2	50	14930	55.4	29.6	28	42	-
CCEL503B	**26.3**	18.7	14.6	11.8	3	870	27.1	50	14360	83.0	44.4	28	42	-
CCEL503C	**32.2**	22.8	18.0	14.7	3	870	26.1	50	13850	110.7	59.2	28	42	-
CCEL504A	**26.1**	18.2	14.2	11.6	4	1160	32.5	51	19910	73.8	38.8	28	54	-
CCEL504B	**35.6**	25.2	19.7	16.1	4	1160	31.3	51	19150	110.7	58.3	28	54	-
CCEL504C	**43.0**	30.4	24.0	19.6	4	1160	30.2	51	18470	147.6	77.7	28	54	-

Model	Nominal capacities CO_2 DX		Draw-through AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCX	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm. fan speed H												
CCXH251A	**2.7**	1.9	1	118	8.0	54	1275	8.6	1.1	8	10	-
CCXH251B	**3.5**	2.5	1	118	7.7	54	1230	12.9	1.6	12	12	-
CCXH251C	**4.0**	2.8	1	118	7.4	54	1187	17.1	2.2	12	12	-
CCXH252A	**5.3**	3.8	2	236	11.5	57	2531	16.2	1.9	12	12	-
CCXH252B	**6.8**	4.8	2	236	11.0	57	2434	24.3	2.8	12	12	-
CCXH252C	**7.8**	5.5	2	236	10.6	57	2343	32.5	3.7	12	12	-
CCXH253A	**8.0**	5.7	3	354	14.2	59	3787	23.9	2.6	12	12	-
CCXH253B	**10.2**	7.2	3	354	13.6	59	3637	35.8	3.9	12	12	-
CCXH253C	**11.7**	8.3	3	354	13.1	59	3496	47.8	5.2	16	12	-
CCXH254A	**10.4**	7.4	4	472	16.4	60	5042	31.5	3.4	12	12	-
CCXH254B	**13.2**	9.4	4	472	15.7	60	4840	47.3	5.1	12	12	-
CCXH351A	**5.2**	3.7	1	184	13.4	49	2715	13.7	1.7	12	12	-
CCXH351B	**6.7**	4.7	1	184	12.7	49	2566	20.6	2.6	12	12	-
CCXH351C	**7.6**	5.4	1	184	12.0	49	2430	27.4	3.5	12	12	-
CCXH352A	**10.1**	7.2	2	368	19.2	52	5370	26.0	3.0	12	12	-
CCXH352B	**12.9**	9.2	2	368	18.1	52	5049	38.9	4.4	16	12	-
CCXH352C	**14.8**	10.6	2	368	17.1	52	4760	51.9	5.9	16	12	-
CCXH353A	**15.1**	10.7	3	552	23.7	54	8022	38.2	4.2	16	14	-
CCXH353B	**19.1**	13.6	3	552	22.2	54	7529	57.3	6.3	16	14	-
CCXH353C	**22.1**	15.7	3	552	20.9	54	7086	76.4	8.4	22	14	-
CCXH354A	**19.9**	14.1	4	736	27.4	55	10670	50.5	5.4	16	14	-
CCXH354B	**25.7**	18.2	4	736	25.7	55	10010	75.7	8.1	22	14	-
Fin spacing 4 mm. fan speed L												
CCXL251A	**2.0**	1.4	1	45	4.7	34	758	8.6	1.1	8	10	-
CCXL251B	**2.5**	1.7	1	45	4.6	34	733	12.9	1.6	12	12	-
CCXL251C	**2.7**	1.9	1	45	4.4	34	710	17.1	2.2	12	12	-
CCXL252A	**3.9**	2.7	2	90	6.8	37	1505	16.2	1.9	12	12	-
CCXL252B	**4.8**	3.4	2	90	6.6	37	1452	24.3	2.8	12	12	-
CCXL252C	**5.3**	3.8	2	90	6.4	37	1403	32.5	3.7	12	12	-
CCXL253A	**5.8**	4.1	3	135	8.4	39	2252	23.9	2.6	12	12	-
CCXL253B	**7.1**	5.1	3	135	8.1	39	2170	35.8	3.9	12	12	-
CCXL253C	**7.9**	5.7	3	135	7.8	39	2096	47.8	5.2	16	12	-
CCXL254A	**7.6**	5.4	4	180	9.7	40	2998	31.5	3.4	12	12	-
CCXL254B	**9.4**	6.7	4	180	9.4	40	2888	47.3	5.1	12	12	-
CCXL351A	**4.0**	2.8	1	65	8.6	42	1740	13.7	1.7	12	12	-
CCXL351B	**4.9**	3.5	1	65	8.0	42	1618	20.6	2.6	12	12	-
CCXL351C	**5.4**	3.9	1	65	7.5	42	1515	27.4	3.5	12	12	-
CCXL352A	**7.8**	5.5	2	130	12.3	45	3429	26.0	3	12	12	-
CCXL352B	**9.6**	6.8	2	130	11.4	45	3172	38.9	4.4	16	12	-
CCXL352C	**10.5**	7.5	2	130	10.6	45	2958	51.9	5.9	16	12	-
CCXL353A	**11.6**	8.2	3	195	15.1	47	5116	38.2	4.2	16	14	-
CCXL353B	**14.2**	10.1	3	195	14.0	47	4724	57.3	6.3	16	14	-
CCXL353C	**15.7**	11.2	3	195	13.0	47	4399	76.4	8.4	22	14	-
CCXL354A	**15.3**	10.9	4	260	17.5	48	6802	50.5	5.4	16	14	-
CCXL354B	**18.9**	13.4	4	260	16.1	48	6275	75.7	8.1	22	14	-

Model	Nominal capacities CO_2 DX				Draw-through AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCX	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CCXH251A	**1.9**	1.4	1.1	0.9	1	118	8.2	54	1307	5.2	1.1	8	10	-
CCXH251B	**2.6**	1.9	1.5	1.2	1	118	7.9	54	1273	7.7	1.6	12	12	-
CCXH251C	**3.2**	2.2	1.8	1.5	1	118	7.7	54	1242	10.3	2.2	12	12	-
CCXH252A	**3.8**	2.7	2.1	1.8	2	236	11.8	57	2599	9.8	1.9	12	12	-
CCXH252B	**5.1**	3.6	2.9	2.4	2	236	11.5	57	2526	14.7	2.8	12	12	-
CCXH252C	**6.2**	4.4	3.5	2.9	2	236	11.1	57	2459	19.5	3.7	12	12	-
CCXH253A	**5.7**	4.0	3.2	2.6	3	354	14.5	59	3891	14.4	2.6	12	12	-
CCXH253B	**7.7**	5.4	4.3	3.6	3	354	14.1	59	3778	21.6	3.9	12	12	-
CCXH253C	**9.2**	6.6	5.3	4.3	3	354	13.7	59	3675	28.7	5.2	16	12	-
CCXH254A	**7.5**	5.3	4.2	3.5	4	472	16.9	60	5183	19.0	3.4	12	12	-
CCXH254B	**10.1**	7.2	5.7	4.7	4	472	16.4	60	5030	28.5	5.1	12	12	-
CCXH351A	**3.8**	2.7	2.1	1.7	1	184	13.9	49	2813	8.3	1.7	12	12	-
CCXH351B	**5.1**	3.6	2.9	2.4	1	184	13.3	49	2702	12.4	2.6	12	12	-
CCXH351C	**6.1**	4.3	3.5	2.9	1	184	12.8	49	2599	16.5	3.5	12	12	-
CCXH352A	**7.3**	5.2	4.1	3.4	2	368	20.0	52	5579	15.6	3.0	12	12	-
CCXH352B	**9.9**	7.0	5.6	4.6	2	368	19.1	52	5339	23.4	4.4	16	12	-
CCXH352C	**11.9**	8.4	6.7	5.5	2	368	18.3	52	5117	31.3	5.9	16	12	-
CCXH353A	**10.9**	7.7	6.1	5.0	3	552	24.6	54	8343	23.0	4.2	16	14	-
CCXH353B	**14.6**	10.4	8.2	6.8	3	552	23.6	54	7973	34.5	6.3	16	14	-
CCXH353C	**17.7**	12.5	10.0	8.0	3	552	22.5	54	7631	46.0	8.4	22	14	-
CCXH354A	**14.4**	10.2	8.1	6.6	4	736	28.5	55	11110	30.4	5.4	16	14	-
CCXH354B	**19.5**	13.8	11.0	8.8	4	736	27.3	55	10610	45.6	8.1	22	14	-
Fin spacing 7 mm, fan speed L														
CCXL251A	**1.4**	1.0	0.8	0.7	1	45	4.8	34	777	5.2	1.1	8	10	-
CCXL251B	**1.9**	1.3	1.0	0.9	1	45	4.7	34	758	7.7	1.6	12	12	-
CCXL251C	**2.2**	1.6	1.3	1.0	1	45	4.6	34	741	10.3	2.2	12	12	-
CCXL252A	**2.7**	1.9	1.6	1.3	2	90	7.0	37	1546	9.8	1.9	12	12	-
CCXL252B	**3.6**	2.6	2.1	1.7	2	90	6.8	37	1506	14.7	2.8	12	12	-
CCXL252C	**4.3**	3.0	2.5	2.0	2	90	6.7	37	1470	19.5	3.7	12	12	-
CCXL253A	**4.1**	2.9	2.3	1.9	3	135	8.6	39	2315	14.4	2.6	12	12	-
CCXL253B	**5.4**	3.8	3.1	2.5	3	135	8.4	39	2253	21.6	3.9	12	12	-
CCXL253C	**6.4**	4.5	3.6	2.9	3	135	8.2	39	2198	28.7	5.2	16	12	-
CCXL254A	**5.4**	3.8	3.1	2.5	4	180	10.0	40	3084	19.0	3.4	12	12	-
CCXL254B	**7.1**	5.1	4.1	3.4	4	180	9.8	40	3000	28.5	5.1	12	12	-
CCXL351A	**2.9**	2.0	1.6	1.3	1	65	9.0	42	1828	8.3	1.7	12	12	-
CCXL351B	**3.8**	2.7	2.2	1.8	1	65	8.6	42	1736	12.4	2.6	12	12	-
CCXL351C	**4.5**	3.2	2.6	2.1	1	65	8.2	42	1654	16.5	3.5	12	12	-
CCXL352A	**5.6**	4.0	3.2	2.6	2	130	13.0	45	3617	15.6	3.0	12	12	-
CCXL352B	**7.4**	5.2	4.2	3.5	2	130	12.3	45	3420	23.4	4.4	16	12	-
CCXL352C	**8.7**	6.2	5.0	4.0	2	130	11.6	45	3245	31.3	5.9	16	12	-
CCXL353A	**8.4**	5.9	4.7	3.7	3	195	16.0	47	5404	23.0	4.2	16	14	-
CCXL353B	**11.0**	7.8	6.2	5.1	3	195	15.1	47	5101	34.5	6.3	16	14	-
CCXL353C	**12.9**	9.1	7.0	5.7	3	195	14.3	47	4833	46.0	8.4	22	14	-
CCXL354A	**11.1**	7.9	6.2	5.1	4	260	18.5	48	7191	30.4	5.4	16	14	-
CCXL354B	**14.6**	10.3	8.0	6.5	4	260	17.4	48	6782	45.6	8.1	22	14	-

Model	Nominal capacities CO_2 DX		Draw-through EC fans 230/50/1								Connections		
	DT1 +2/-8 °C	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCX	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm. fan speed H												
CCXHE251A	**2.7**	1.9	1	70	8.0	52	1275	8.6	1.1	8	10	-
CCXHE251B	**3.5**	2.5	1	70	7.7	52	1230	12.9	1.6	12	12	-
CCXHE251C	**4.0**	2.8	1	70	7.4	52	1187	17.1	2.2	12	12	-
CCXHE252A	**5.3**	3.8	2	140	11.5	55	2531	16.2	1.9	12	12	-
CCXHE252B	**6.8**	4.8	2	140	11.0	55	2434	24.3	2.8	12	12	-
CCXHE252C	**7.8**	5.5	2	140	10.6	55	2343	32.5	3.7	12	12	✓
CCXHE253A	**8.0**	5.7	3	210	14.2	57	3787	23.9	2.6	12	12	-
CCXHE253B	**10.2**	7.2	3	210	13.6	57	3637	35.8	3.9	12	12	-
CCXHE253C	**11.7**	8.3	3	210	13.1	57	3496	47.8	5.2	16	12	-
CCXHE254A	**10.4**	7.4	4	280	16.4	58	5042	31.5	3.4	12	12	-
CCXHE254B	**13.2**	9.4	4	280	15.7	58	4840	47.3	5.1	12	12	-
CCXHE351A	**4.9**	3.5	1	98	12.0	49	2433	13.7	1.7	12	12	✓
CCXHE351B	**6.2**	4.4	1	98	11.3	49	2297	20.6	2.6	12	12	-
CCXHE351C	**7.1**	5.0	1	98	10.7	49	2172	27.4	3.5	12	12	✓
CCXHE352A	**9.5**	6.7	2	196	17.2	52	4811	26.0	3	12	12	✓
CCXHE352B	**12.1**	8.6	2	196	16.2	52	4517	38.9	4.4	16	12	-
CCXHE352C	**13.7**	9.8	2	196	15.2	52	4251	51.9	5.9	16	12	✓
CCXHE353A	**14.2**	10.1	3	294	21.2	54	7186	38.2	4.2	16	14	-
CCXHE353B	**17.8**	12.7	3	294	19.9	54	6735	57.3	6.3	16	14	-
CCXHE353C	**20.4**	14.5	3	294	18.7	54	6326	76.4	8.4	22	14	✓
CCXHE354A	**18.7**	13.3	4	392	24.6	55	9560	50.5	5.4	16	14	-
CCXHE354B	**24.0**	17.0	4	392	23.0	55	8951	75.7	8.1	22	14	-
Fin spacing 4 mm. fan speed L												
CCXLE251A	**2.0**	1.4	1	20	4.7	34	758	8.6	1.1	8	10	-
CCXLE251B	**2.5**	1.7	1	20	4.6	34	733	12.9	1.6	12	12	-
CCXLE251C	**2.7**	1.9	1	20	4.4	34	710	17.1	2.2	12	12	-
CCXLE252A	**3.9**	2.7	2	40	6.8	37	1505	16.2	1.9	12	12	-
CCXLE252B	**4.8**	3.4	2	40	6.6	37	1452	24.3	2.8	12	12	-
CCXLE252C	**5.3**	3.8	2	40	6.4	37	1403	32.5	3.7	12	12	-
CCXLE253A	**5.8**	4.1	3	60	8.4	39	2252	23.9	2.6	12	12	-
CCXLE253B	**7.1**	5.1	3	60	8.1	39	2170	35.8	3.9	12	12	-
CCXLE253C	**7.9**	5.7	3	60	7.8	39	2096	47.8	5.2	16	12	-
CCXLE254A	**7.6**	5.4	4	80	9.7	40	2998	31.5	3.4	12	12	-
CCXLE254B	**9.4**	6.7	4	80	9.4	40	2888	47.3	5.1	12	12	-
CCXLE351A	**4.0**	2.8	1	58	8.6	42	1740	13.7	1.7	12	12	-
CCXLE351B	**4.9**	3.5	1	58	8.0	42	1618	20.6	2.6	12	12	-
CCXLE351C	**5.4**	3.9	1	58	7.5	42	1515	27.4	3.5	12	12	-
CCXLE352A	**7.8**	5.5	2	116	12.3	45	3429	26.0	3	12	12	-
CCXLE352B	**9.6**	6.8	2	116	11.4	45	3172	38.9	4.4	16	12	-
CCXLE352C	**10.5**	7.5	2	116	10.6	45	2958	51.9	5.9	16	12	-
CCXLE353A	**11.6**	8.2	3	174	15.1	47	5116	38.2	4.2	16	14	-
CCXLE353B	**14.2**	10.1	3	174	14.0	47	4724	57.3	6.3	16	14	-
CCXLE353C	**15.7**	11.2	3	174	13.0	47	4399	76.4	8.4	22	14	-
CCXLE354A	**15.3**	10.9	4	232	17.5	48	6802	50.5	5.4	16	14	-
CCXLE354B	**18.9**	13.4	4	232	16.1	48	6275	75.7	8.1	22	14	-

Model	Nominal capacities CO_2 DX				Draw-through EC fans 230/50/1							Connections		
	DT1					fan	air	sound	air	coil	Int.	OD		Stock
	+2/-8 °C	SC2	SC3	SC4		power	throw	pressure	flow	surface	volume	in	out	model
CCX	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CCXH251A	**1.9**	1.4	1.1	0.9	1	70	8.2	52	1307	5.2	1.1	8	10	-
CCXH251B	**2.6**	1.9	1.5	1.2	1	70	7.9	52	1273	7.7	1.6	12	12	-
CCXH251C	**3.2**	2.2	1.8	1.5	1	70	7.7	52	1242	10.3	2.2	12	12	✓
CCXH252A	**3.8**	2.7	2.1	1.8	2	140	11.8	55	2599	9.8	1.9	12	12	-
CCXH252B	**5.1**	3.6	2.9	2.4	2	140	11.5	55	2526	14.7	2.8	12	12	-
CCXH252C	**6.2**	4.4	3.5	2.9	2	140	11.1	55	2459	19.5	3.7	12	12	✓
CCXH253A	**5.7**	4.0	3.2	2.6	3	210	14.5	57	3891	14.4	2.6	12	12	-
CCXH253B	**7.7**	5.4	4.3	3.6	3	210	14.1	57	3778	21.6	3.9	12	12	-
CCXH253C	**9.2**	6.6	5.3	4.3	3	210	13.7	57	3675	28.7	5.2	16	12	-
CCXH254A	**7.5**	5.3	4.2	3.5	4	280	16.9	58	5183	19.0	3.4	12	12	-
CCXH254B	**10.1**	7.2	5.7	4.7	4	280	16.4	58	5030	28.5	5.1	12	12	-
CCXH351A	**3.5**	2.5	2.0	1.6	1	98	12.4	49	2524	8.3	1.7	12	12	-
CCXH351B	**4.7**	3.4	2.7	2.2	1	98	11.9	49	2423	12.4	2.6	12	12	-
CCXH351C	**5.7**	4.0	3.2	2.7	1	98	11.5	49	2329	16.5	3.5	12	12	-
CCXH352A	**6.9**	4.9	3.9	3.2	2	196	17.9	52	5005	15.6	3	12	12	-
CCXH352B	**9.2**	6.5	5.2	4.3	2	196	17.2	52	4787	23.4	4.4	16	12	✓
CCXH352C	**11.0**	7.8	6.3	5.2	2	196	16.4	52	4585	31.3	5.9	16	12	✓
CCXH353A	**10.2**	7.2	5.7	4.7	3	294	22.1	54	7484	23.0	4.2	16	14	-
CCXH353B	**13.7**	9.7	7.7	6.3	3	294	21.1	54	7148	34.5	6.3	16	14	-
CCXH353C	**16.4**	11.6	9.3	7.4	3	294	20.2	54	6837	46.0	8.4	22	14	✓
CCXH354A	**13.5**	9.6	7.6	6.2	4	392	25.6	55	9962	30.4	5.4	16	14	-
CCXH354B	**18.2**	12.9	10.3	8.2	4	392	24.4	55	9509	45.6	8.1	22	14	-
Fin spacing 7 mm, fan speed L														
CCXLE251A	**1.4**	1.0	0.8	0.7	1	20	4.8	34	777	5.2	1.1	8	10	-
CCXLE251B	**1.9**	1.3	1.0	0.9	1	20	4.7	34	758	7.7	1.6	12	12	-
CCXLE251C	**2.2**	1.6	1.3	1.0	1	20	4.6	34	741	10.3	2.2	12	12	-
CCXLE252A	**2.7**	1.9	1.6	1.3	2	40	7.0	37	1546	9.8	1.9	12	12	-
CCXLE252B	**3.6**	2.6	2.1	1.7	2	40	6.8	37	1506	14.7	2.8	12	12	-
CCXLE252C	**4.3**	3.0	2.5	2.0	2	40	6.7	37	1470	19.5	3.7	12	12	-
CCXLE253A	**4.1**	2.9	2.3	1.9	3	60	8.6	39	2315	14.4	2.6	12	12	-
CCXLE253B	**5.4**	3.8	3.1	2.5	3	60	8.4	39	2253	21.6	3.9	12	12	-
CCXLE253C	**6.4**	4.5	3.6	2.9	3	60	8.2	39	2198	28.7	5.2	16	12	-
CCXLE254A	**5.4**	3.8	3.1	2.5	4	80	10.0	40	3084	19.0	3.4	12	12	-
CCXLE254B	**7.1**	5.1	4.1	3.4	4	80	9.8	40	3000	28.5	5.1	12	12	-
CCXLE351A	**2.9**	2.0	1.6	1.3	1	58	9.0	42	1828	8.3	1.7	12	12	-
CCXLE351B	**3.8**	2.7	2.2	1.8	1	58	8.6	42	1736	12.4	2.6	12	12	-
CCXLE351C	**4.5**	3.2	2.6	2.1	1	58	8.2	42	1654	16.5	3.5	12	12	-
CCXLE352A	**5.6**	4.0	3.2	2.6	2	116	13.0	45	3617	15.6	3	12	12	-
CCXLE352B	**7.4**	5.2	4.2	3.5	2	116	12.3	45	3420	23.4	4.4	16	12	-
CCXLE352C	**8.7**	6.2	5.0	4.0	2	116	11.6	45	3245	31.3	5.9	16	12	-
CCXLE353A	**8.4**	5.9	4.7	3.7	3	174	16.0	47	5404	23.0	4.2	16	14	-
CCXLE353B	**11.0**	7.8	6.2	5.1	3	174	15.1	47	5101	34.5	6.3	16	14	-
CCXLE353C	**12.9**	9.1	7.0	5.7	3	174	14.3	47	4833	46.0	8.4	22	14	-
CCXLE354A	**11.1**	7.9	6.2	5.1	4	232	18.5	48	7191	30.4	5.4	16	14	-
CCXLE354B	**14.6**	10.3	8.0	6.5	4	232	17.4	48	6782	45.6	8.1	22	14	-

Model	Nominal capacities CO_2 DX		Draw-through AC fans 230-400/50/3							Connections		
	DT1 +2/-8 °C	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCX	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H												
CCXH251A	**2.8**	2.0	1	100	8.3	58	1325	8.6	1.1	8	10	-
CCXH251B	**3.6**	2.6	1	100	8.0	58	1282	12.9	1.6	12	12	-
CCXH251C	**4.1**	2.9	1	100	7.8	58	1243	17.1	2.2	12	12	-
CCXH252A	**5.4**	3.8	2	200	11.9	61	2632	16.2	1.9	12	12	-
CCXH252B	**7.0**	5.0	2	200	11.5	61	2541	24.3	2.8	12	12	-
CCXH252C	**8.0**	5.7	2	200	11.1	61	2458	32.5	3.7	12	12	-
CCXH253A	**8.2**	5.8	3	300	14.7	63	3938	23.9	2.6	12	12	-
CCXH253B	**10.4**	7.4	3	300	14.2	63	3799	35.8	3.9	12	12	-
CCXH253C	**12.1**	8.6	3	300	13.7	63	3670	47.8	5.2	16	12	-
CCXH254A	**10.7**	7.6	4	400	17.1	64	5244	31.5	3.4	12	12	-
CCXH254B	**13.5**	9.7	4	400	16.4	64	5056	47.3	5.1	12	12	-
CCXH351A	**5.0**	3.6	1	170	12.6	48	2559	13.7	1.7	12	12	-
CCXH351B	**6.4**	4.6	1	170	11.9	48	2423	20.6	2.6	12	12	-
CCXH351C	**7.3**	5.2	1	170	11.3	48	2298	27.4	3.5	12	12	-
CCXH352A	**9.7**	6.9	2	340	18.1	51	5062	26.0	3.0	12	12	-
CCXH352B	**12.5**	8.9	2	340	17.1	51	4770	38.9	4.4	16	12	-
CCXH352C	**14.3**	10.2	2	340	16.1	51	4501	51.9	5.9	16	12	-
CCXH353A	**14.6**	10.4	3	510	22.3	53	7562	38.2	4.2	16	14	-
CCXH353B	**18.4**	13.1	3	510	21.0	53	7114	57.3	6.3	16	14	-
CCXH353C	**21.3**	15.1	3	510	19.8	53	6701	76.4	8.4	22	14	-
CCXH354A	**19.2**	13.6	4	680	25.9	54	10060	50.5	5.4	16	14	-
CCXH354B	**24.8**	17.6	4	680	24.3	54	9457	75.7	8.1	22	14	-

Model	Nominal capacities CO_2 DX		Draw-through AC fans 230-400/50/3							Connections		
	DT1 +2/-8 °C	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCX	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm. fan speed H												
CCXH401A	**6.7**	4.8	1	280	16.6	53	3777	17.4	2.1	12	10	-
CCXH401B	**8.6**	6.2	1	280	15.5	53	3528	26.0	3.2	12	10	-
CCXH401C	**9.5**	6.8	1	280	14.5	53	3307	34.7	4.3	12	12	-
CCXH402A	**13.2**	9.5	2	560	23.6	56	7509	33.9	3.8	12	12	-
CCXH402B	**17.1**	12.2	2	560	21.9	56	6997	50.8	5.7	16	14	-
CCXH402C	**19.7**	14.1	2	560	20.5	56	6546	67.8	7.6	16	14	-
CCXH403A	**19.8**	14.1	3	840	28.9	58	11240	50.4	5.5	16	16	-
CCXH403B	**25.6**	18.3	3	840	26.9	58	10470	75.6	8.2	16	16	-
CCXH403C	**28.1**	20.3	3	840	25.2	58	9783	100.8	10.9	16	16	-
CCXH404A	**26.8**	19.1	4	1120	33.4	59	14970	67.0	7.1	16	16	-
CCXH404B	**32.3**	23.3	4	1120	31.1	59	13930	100.4	10.7	16	16	-
CCXH404C	**37.5**	27.0	4	1120	29.1	59	13020	133.9	14.3	22	16	-
CCXH501A	**13.0**	9.3	1	720	23.9	55	7447	32.3	3.8	12	12	-
CCXH501B	**17.0**	12.2	1	720	22.8	55	7097	48.5	5.7	16	12	-
CCXH501C	**19.9**	14.2	1	720	21.8	55	6782	64.7	7.6	16	12	-
CCXH502A	**24.2**	17.5	2	1440	34.0	58	14850	63.6	6.9	16	16	-
CCXH502B	**31.1**	22.5	2	1440	32.4	58	14140	95.3	10.4	16	16	-
CCXH502C	**37.9**	27.3	2	1440	30.9	58	13490	127.1	13.8	22	16	-
CCXH503A	**38.6**	27.5	3	2160	41.7	60	22250	94.8	10.1	22	16	-
CCXH503B	**46.5**	33.7	3	2160	39.7	60	21170	142.2	15.1	22	16	-
CCXH503C	**55.1**	39.9	3	2160	37.9	60	20200	189.6	20.1	22	18	-
CCXH504A	**48.3**	34.8	4	2880	48.2	61	29660	126.0	13.2	22	18	-
CCXH504B	**64.1**	46.2	4	2880	45.9	61	28210	189.0	19.8	22	22	-
Fin spacing 4 mm. fan speed L												
CCXL401A	**5.1**	3.6	1	120	10.1	43	2295	17.4	2.1	12	10	-
CCXL401B	**6.3**	4.5	1	120	9.4	43	2135	26.0	3.2	12	10	-
CCXL401C	**6.8**	4.9	1	120	8.7	43	1995	34.7	4.3	12	12	-
CCXL402A	**10.1**	7.2	2	240	14.3	46	4562	33.9	3.8	12	12	-
CCXL402B	**12.5**	8.9	2	240	13.3	46	4232	50.8	5.7	16	14	-
CCXL402C	**13.9**	9.9	2	240	12.4	46	3946	67.8	7.6	16	14	-
CCXL403A	**15.1**	10.8	3	360	17.6	48	6828	50.4	5.5	16	16	-
CCXL403B	**18.7**	13.4	3	360	16.3	48	6328	75.6	8.2	16	16	-
CCXL403C	**20.2**	14.5	3	360	15.2	48	5897	100.8	10.9	16	16	-
CCXL404A	**20.3**	14.4	4	480	20.3	49	9094	67.0	7.1	16	16	-
CCXL404B	**24.1**	17.3	4	480	18.8	49	8425	100.4	10.7	16	16	-
CCXL404C	**26.9**	19.3	4	480	17.5	49	7848	133.9	14.3	22	16	-
CCXL501A	**10.3**	7.4	1	290	15.7	45	4880	32.3	3.8	12	12	-
CCXL501B	**13.2**	9.4	1	290	15.0	45	4656	48.5	5.7	16	12	-
CCXL501C	**14.9**	10.7	1	290	14.3	45	4447	64.7	7.6	16	12	-
CCXL502A	**19.7**	14.1	2	580	22.3	48	9732	63.6	6.9	16	16	-
CCXL502B	**24.7**	17.8	2	580	21.2	48	9274	95.3	10.4	16	16	-
CCXL502C	**28.9**	20.8	2	580	20.3	48	8846	127.1	13.8	22	16	-
CCXL503A	**30.7**	21.9	3	870	27.3	50	14580	94.8	10.1	22	16	-
CCXL503B	**37.0**	26.7	3	870	26.1	50	13890	142.2	15.1	22	16	-
CCXL503C	**42.6**	30.6	3	870	24.8	50	13240	189.6	20.1	22	18	-
CCXL504A	**39.2**	28.2	4	1160	31.6	51	19430	126.0	13.2	22	18	-
CCXL504B	**50.4**	36.2	4	1160	30.1	51	18510	189.0	19.8	22	22	-

Model	Nominal capacities CO_2 DX				Draw-through AC fans 230-400/50/3							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCX	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CCXH251A	**2.0**	1.4	1.1	0.9	1	100	8.5	58	1356	5.2	1.1	8	10	-
CCXH251B	**2.7**	1.9	1.5	1.3	1	100	8.2	58	1322	7.7	1.6	12	12	-
CCXH251C	**3.2**	2.3	1.9	1.5	1	100	8.1	58	1293	10.3	2.2	12	12	-
CCXH252A	**3.9**	2.8	2.2	1.8	2	200	12.2	61	2697	9.8	1.9	12	12	-
CCXH252B	**5.3**	3.7	3.0	2.5	2	200	11.9	61	2626	14.7	2.8	12	12	-
CCXH252C	**6.3**	4.5	3.6	3.0	2	200	11.6	61	2563	19.5	3.7	12	12	-
CCXH253A	**5.8**	4.1	3.3	2.7	3	300	15.1	63	4038	14.4	2.6	12	12	-
CCXH253B	**7.9**	5.6	4.5	3.7	3	300	14.7	63	3929	21.6	3.9	12	12	-
CCXH253C	**9.5**	6.7	5.4	4.4	3	300	14.3	63	3833	28.7	5.2	16	12	-
CCXH254A	**7.7**	5.5	4.3	3.5	4	400	17.5	64	5378	19.0	3.4	12	12	-
CCXH254B	**10.3**	7.3	5.8	4.8	4	400	17.0	64	5232	28.5	5.1	12	12	-
CCXH351A	**3.6**	2.6	2.0	1.7	1	170	13.1	48	2656	8.3	1.7	12	12	-
CCXH351B	**4.9**	3.5	2.8	2.3	1	170	12.6	48	2548	12.4	2.6	12	12	-
CCXH351C	**5.9**	4.2	3.3	2.7	1	170	12.1	48	2453	16.5	3.5	12	12	-
CCXH352A	**7.1**	5.0	4.0	3.3	2	340	18.9	51	5264	15.6	3.0	12	12	-
CCXH352B	**9.5**	6.8	5.4	4.4	2	340	18.0	51	5036	23.4	4.4	16	12	-
CCXH352C	**11.4**	8.1	6.5	5.4	2	340	17.3	51	4834	31.3	5.9	16	12	-
CCXH353A	**10.6**	7.5	5.9	4.9	3	510	23.2	53	7870	23.0	4.2	16	14	-
CCXH353B	**14.1**	10.0	8.0	6.5	3	510	22.2	53	7521	34.5	6.3	16	14	-
CCXH353C	**17.0**	12.1	9.7	7.7	3	510	21.3	53	7211	46.0	8.4	22	14	-
CCXH354A	**14.0**	9.9	7.8	6.4	4	680	26.9	54	10480	30.4	5.4	16	14	-
CCXH354B	**18.8**	13.3	10.6	8.5	4	680	25.7	54	10010	45.6	8.1	22	14	-

Model	Nominal capacities CO_2 DX				Draw-through AC fans 230-400/50/3							Connections		
	DT1					fan	air	sound	air	coil	Int.	OD		Stock
	+2/-8 °C	SC2	SC3	SC4		power	throw	pressure	flow	surface	volume	in	out	model
CCX	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CCXH401A	**5.0**	3.5	2.8	2.2	1	280	17.3	53	3942	10.5	2.1	12	10	-
CCXH401B	**6.7**	4.8	3.8	3.1	1	280	16.4	53	3750	15.7	3.2	12	10	-
CCXH401C	**7.8**	5.6	4.4	3.6	1	280	15.7	53	3578	20.9	4.3	12	12	-
CCXH402A	**9.8**	7.0	5.5	4.5	2	560	24.6	56	7848	20.4	3.8	12	12	-
CCXH402B	**13.3**	9.4	7.5	6.1	2	560	23.4	56	7454	30.6	5.7	16	14	-
CCXH402C	**16.0**	11.4	9.0	7.4	2	560	22.3	56	7098	40.8	7.6	16	14	-
CCXH403A	**14.7**	10.5	8.2	6.7	3	840	30.2	58	11750	30.4	5.5	16	16	-
CCXH403B	**19.8**	14.1	11.1	9.1	3	840	28.7	58	11160	45.5	8.2	16	16	-
CCXH403C	**23.2**	16.6	13.0	10.6	3	840	27.3	58	10620	60.7	10.9	16	16	-
CCXH404A	**19.7**	14.0	11.0	9.0	4	1120	34.9	59	15660	40.3	7.1	16	16	-
CCXH404B	**25.6**	18.3	14.2	11.5	4	1120	33.2	59	14860	60.5	10.7	16	16	-
CCXH404C	**30.8**	22.1	17.3	14.1	4	1120	31.5	59	14140	80.6	14.3	22	16	-
CCXH501A	**9.5**	6.8	5.3	4.3	1	720	24.6	55	7673	19.5	3.8	12	12	-
CCXH501B	**13.0**	9.3	7.3	6.0	1	720	23.8	55	7408	29.2	5.7	16	12	-
CCXH501C	**15.8**	11.3	8.9	7.3	1	720	23.0	55	7163	38.9	7.6	16	12	-
CCXH502A	**18.3**	13.1	10.1	8.2	2	1440	35.1	58	15310	38.3	6.9	16	16	-
CCXH502B	**24.6**	17.7	13.6	11.0	2	1440	33.8	58	14770	57.4	10.4	16	16	-
CCXH502C	**30.6**	21.9	17.2	14.0	2	1440	32.7	58	14270	76.5	13.8	22	16	-
CCXH503A	**28.4**	20.1	15.8	12.9	3	2160	43.0	60	22950	57.1	10.1	22	16	-
CCXH503B	**36.8**	26.4	20.4	16.4	3	2160	41.5	60	22130	85.6	15.1	22	16	-
CCXH503C	**45.0**	32.3	25.1	20.3	3	2160	40.1	60	21370	114.1	20.1	22	18	-
CCXH504A	**36.5**	26.1	20.2	16.3	4	2880	49.7	61	30590	75.8	13.2	22	18	-
CCXH504B	**50.1**	35.8	27.9	22.6	4	2880	48.0	61	29490	113.8	19.8	22	22	-
Fin spacing 7 mm, fan speed L														
CCXL401A	**3.7**	2.6	2.1	1.7	1	120	10.6	43	2409	10.5	2.1	12	10	-
CCXL401B	**4.9**	3.5	2.8	2.3	1	120	10.0	43	2290	15.7	3.2	12	10	-
CCXL401C	**5.7**	4.1	3.2	2.6	1	120	9.6	43	2180	20.9	4.3	12	12	-
CCXL402A	**7.4**	5.2	4.1	3.4	2	240	15.0	46	4797	20.4	3.8	12	12	-
CCXL402B	**9.7**	6.9	5.5	4.5	2	240	14.3	46	4550	30.6	5.7	16	14	-
CCXL402C	**11.4**	8.1	6.5	5.4	2	240	13.6	46	4325	40.8	7.6	16	14	-
CCXL403A	**11.0**	7.8	6.2	5.1	3	360	18.5	48	7184	30.4	5.5	16	16	-
CCXL403B	**14.5**	10.3	8.2	6.8	3	360	17.5	48	6809	45.5	8.2	16	16	-
CCXL403C	**16.8**	12.0	9.6	7.8	3	360	16.6	48	6469	60.7	10.9	16	16	-
CCXL404A	**14.7**	10.4	8.3	6.8	4	480	21.4	49	9571	40.3	7.1	16	16	-
CCXL404B	**19.0**	13.6	10.7	8.7	4	480	20.2	49	9068	60.5	10.7	16	16	-
CCXL404C	**22.4**	16.0	12.7	10.5	4	480	19.2	49	8612	80.6	14.3	22	16	-
CCXL501A	**7.5**	5.3	4.2	3.4	1	290	16.2	45	5044	19.5	3.8	12	12	-
CCXL501B	**10.0**	7.1	5.7	4.7	1	290	15.6	45	4868	29.2	5.7	16	12	-
CCXL501C	**12.0**	8.5	6.8	5.6	1	290	15.1	45	4715	38.9	7.6	16	12	-
CCXL502A	**14.5**	10.3	8.1	6.6	2	580	23.1	48	10060	38.3	6.9	16	16	-
CCXL502B	**19.3**	13.8	10.8	8.8	2	580	22.2	48	9707	57.4	10.4	16	16	-
CCXL502C	**23.4**	16.7	13.3	10.9	2	580	21.5	48	9393	76.5	13.8	22	16	-
CCXL503A	**22.2**	15.7	12.5	10.2	3	870	28.3	50	15090	57.1	10.1	22	16	-
CCXL503B	**28.8**	20.6	16.2	13.2	3	870	27.3	50	14540	85.6	15.1	22	16	-
CCXL503C	**34.7**	24.8	19.6	16.1	3	870	26.4	50	14070	114.1	20.1	22	18	-
CCXL504A	**28.9**	20.6	16.2	13.2	4	1160	32.7	51	20110	75.8	13.2	22	18	-
CCXL504B	**38.9**	27.8	22.0	18.0	4	1160	31.5	51	19380	113.8	19.8	22	22	-

Model	Nominal capacities HFC DX			Blow-through AC fans 230/50/1							Connections		Stock model
	DT1 +2/-8 °C	SC1	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	
CCBE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H													
CCBEH251A	**2.7**	2.9	1.9	1	134	7.7	58	1165	7.5	1.7	12	14	-
CCBEH251B	**3.4**	3.6	2.4	1	134	7.3	58	1111	11.3	2.5	12	16	-
CCBEH251C	**3.8**	4.0	2.7	1	134	7.0	58	1061	15.0	3.4	12	16	-
CCBEH252A	**5.4**	5.7	3.9	2	268	10.9	61	2329	15.0	3.0	12	16	-
CCBEH252B	**6.6**	7.0	4.8	2	268	10.4	61	2221	22.5	4.5	16	18	-
CCBEH252C	**7.6**	7.9	5.4	2	268	9.9	61	2122	30.0	6.0	16	18	-
CCBEH253A	**7.8**	8.4	5.6	3	402	13.3	63	3494	22.5	4.3	16	18	-
CCBEH253B	**10.3**	10.7	7.3	3	402	12.7	63	3332	33.8	6.5	16	22	-
CCBEH253C	**11.2**	11.8	8.0	3	402	12.1	63	3183	45.1	8.6	16	22	-
CCBEH254A	**11.0**	11.6	7.8	4	536	15.4	64	4659	30.0	5.6	16	22	-
CCBEH254B	**13.2**	14.1	9.5	4	536	14.7	64	4443	45.1	8.4	16	22	-
CCBEH301A	**3.8**	4.0	2.7	1	162	10.4	64	1732	9.0	2.0	12	16	-
CCBEH301B	**4.7**	4.9	3.3	1	162	9.8	64	1632	13.5	3.1	12	16	-
CCBEH301C	**5.3**	5.5	3.8	1	162	9.3	64	1542	18.0	4.1	16	18	-
CCBEH302A	**7.5**	7.9	5.4	2	324	14.8	67	3463	18.0	3.6	16	18	-
CCBEH302B	**8.9**	9.6	6.5	2	324	13.9	67	3264	27.0	5.4	16	18	-
CCBEH302C	**10.6**	11.0	7.5	2	324	13.1	67	3085	36.0	7.2	22	28	-
CCBEH303A	**11.4**	11.9	8.0	3	486	18.1	69	5195	27.0	5.2	22	28	-
CCBEH303B	**14.1**	14.8	10.1	3	486	17.0	69	4896	40.5	7.8	22	28	-
CCBEH303C	**15.3**	16.3	11.0	3	486	16.1	69	4627	54.1	10.4	22	28	-
CCBEH304A	**15.1**	15.9	10.7	4	648	20.9	70	6926	36.0	6.7	22	28	-
CCBEH304B	**17.9**	19.3	13.0	4	648	19.7	70	6528	54.1	10.1	22	28	-
CCBEH351A	**5.4**	5.7	3.8	1	180	11.3	49	2362	14.4	3.1	12	16	-
CCBEH351B	**6.7**	7.1	4.8	1	180	10.6	49	2225	21.6	4.7	16	18	-
CCBEH351C	**7.5**	7.8	5.3	1	180	10.0	49	2106	28.8	6.3	16	22	-
CCBEH352A	**10.8**	11.4	7.7	2	360	15.9	52	4725	28.8	5.6	16	22	-
CCBEH352B	**12.4**	13.5	9.0	2	360	15.0	52	4451	43.3	8.5	16	22	-
CCBEH352C	**15.0**	15.6	10.7	2	360	14.2	52	4212	57.7	11.3	22	28	-
CCBEH353A	**16.5**	17.3	11.7	3	540	19.5	54	7087	43.3	8.1	22	28	-
CCBEH353B	**19.9**	21.1	14.3	3	540	18.4	54	6676	64.9	12.2	22	28	-
CCBEH353C	**21.2**	22.8	15.4	3	540	17.4	54	6318	86.5	16.3	22	28	-
CCBEH354A	**21.5**	22.9	15.4	4	720	22.5	55	9449	57.7	10.7	22	28	-
CCBEH354B	**24.8**	27.1	18.1	4	720	21.2	55	8902	86.5	16.0	22	28	-

Model	Nominal capacities HFC DX			Blow-through AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC1	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed L													
CCBEL251A	**1.9**	1.9	1.3	1	45	4.2	43	642	7.5	1.7	12	14	-
CCBEL251B	**2.2**	2.3	1.6	1	45	4.0	43	613	11.3	2.5	12	16	-
CCBEL251C	**2.4**	2.5	1.7	1	45	3.9	43	587	15.0	3.4	12	16	-
CCBEL252A	**3.7**	3.9	2.6	2	90	6.0	46	1284	15.0	3.0	12	16	-
CCBEL252B	**4.4**	4.6	3.1	2	90	5.7	46	1226	22.5	4.5	16	18	-
CCBEL252C	**4.8**	4.9	3.4	2	90	5.5	46	1174	30.0	6.0	16	18	-
CCBEL253A	**5.5**	5.8	3.9	3	135	7.3	48	1926	22.5	4.3	16	18	-
CCBEL253B	**6.6**	6.9	4.7	3	135	7.0	48	1839	33.8	6.5	16	22	-
CCBEL253C	**7.1**	7.4	5.1	3	135	6.7	48	1761	45.1	8.6	16	22	-
CCBEL254A	**7.5**	7.8	5.3	4	180	8.5	49	2568	30.0	5.6	16	22	-
CCBEL254B	**8.8**	9.2	6.3	4	180	8.1	49	2453	45.1	8.4	16	22	-
CCBEL301A	**3.0**	3.2	2.1	1	72	7.2	42	1201	9.0	2.0	12	16	-
CCBEL301B	**3.6**	3.8	2.6	1	72	6.7	42	1120	13.5	3.1	12	16	-
CCBEL301C	**4.0**	4.1	2.8	1	72	6.3	42	1052	18.0	4.1	16	18	-
CCBEL302A	**6.0**	6.3	4.3	2	144	10.2	45	2403	18.0	3.6	16	18	-
CCBEL302B	**7.1**	7.5	5.1	2	144	9.5	45	2240	27.0	5.4	16	18	-
CCBEL302C	**7.9**	8.2	5.6	2	144	9.0	45	2104	36.0	7.2	22	28	-
CCBEL303A	**9.0**	9.4	6.4	3	216	12.5	47	3604	27.0	5.2	22	28	-
CCBEL303B	**10.9**	11.4	7.8	3	216	11.7	47	3360	40.5	7.8	22	28	-
CCBEL303C	**11.7**	12.3	8.4	3	216	11.0	47	3157	54.1	10.4	22	28	-
CCBEL304A	**12.1**	12.6	8.6	4	288	14.5	48	4806	36.0	6.7	22	28	-
CCBEL304B	**14.2**	15.0	10.2	4	288	13.5	48	4480	54.1	10.1	22	28	-
CCBEL351A	**4.1**	4.3	2.9	1	74	7.2	38	1509	14.4	3.1	12	16	-
CCBEL351B	**4.9**	5.1	3.5	1	74	6.7	38	1412	21.6	4.7	16	18	-
CCBEL351C	**5.2**	5.4	3.7	1	74	6.3	38	1329	28.8	6.3	16	22	-
CCBEL352A	**8.2**	8.6	5.8	2	148	10.2	41	3017	28.8	5.6	16	22	-
CCBEL352B	**9.4**	10.0	6.8	2	148	9.5	41	2824	43.3	8.5	16	22	-
CCBEL352C	**10.5**	10.9	7.5	2	148	9.0	41	2658	57.7	11.3	22	28	-
CCBEL353A	**12.3**	12.8	8.7	3	222	12.4	43	4526	43.3	8.1	22	28	-
CCBEL353B	**14.5**	15.2	10.4	3	222	11.7	43	4236	64.9	12.2	22	28	-
CCBEL353C	**15.3**	16.1	11.0	3	222	11.0	43	3987	86.5	16.3	22	28	-
CCBEL354A	**16.3**	17.2	11.6	4	296	14.4	44	6034	57.7	10.7	22	28	-
CCBEL354B	**18.7**	19.9	13.5	4	296	13.5	44	5648	86.5	16.0	22	28	-

Model	Nominal capacities HFC DX				Blow-through AC fans 230/50/1							Connections		Stock model
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	
CCBE	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CCBEH251A	**2.0**	1.5	1.1	0.9	1	134	7.9	58	1199	4.6	1.7	12	14	-
CCBEH251B	**2.7**	1.9	1.5	1.2	1	134	7.6	58	1158	6.8	2.5	12	16	-
CCBEH251C	**3.2**	2.3	1.8	1.5	1	134	7.4	58	1120	9.1	3.4	12	16	-
CCBEH252A	**4.1**	2.9	2.3	1.9	2	268	11.2	61	2398	9.1	3.0	12	16	-
CCBEH252B	**5.3**	3.8	3.0	2.4	2	268	10.8	61	2317	13.7	4.5	16	18	-
CCBEH252C	**6.4**	4.5	3.6	3.0	2	268	10.5	61	2241	18.3	6.0	16	18	-
CCBEH253A	**6.0**	4.3	3.4	2.7	3	402	13.7	63	3597	13.7	4.3	16	18	-
CCBEH253B	**8.2**	5.8	4.6	3.8	3	402	13.2	63	3475	20.5	6.5	16	22	-
CCBEH253C	**9.5**	6.8	5.4	4.4	3	402	12.8	63	3361	27.4	8.6	16	22	-
CCBEH254A	**8.3**	5.8	4.6	3.8	4	536	15.8	64	4796	18.3	5.6	16	22	-
CCBEH254B	**10.7**	7.6	6.0	4.9	4	536	15.3	64	4633	27.4	8.4	16	22	-
CCBEH301A	**2.9**	2.0	1.6	1.3	1	162	10.8	64	1795	5.5	2.0	12	16	-
CCBEH301B	**3.8**	2.7	2.1	1.7	1	162	10.4	64	1718	8.2	3.1	12	16	-
CCBEH301C	**4.4**	3.1	2.5	2.1	1	162	9.9	64	1647	11.0	4.1	16	18	-
CCBEH302A	**5.7**	4.0	3.2	2.6	2	324	15.3	67	3589	11.0	3.6	16	18	-
CCBEH302B	**7.3**	5.3	4.1	3.3	2	324	14.6	67	3435	16.4	5.4	16	18	-
CCBEH302C	**8.9**	6.3	5.0	4.1	2	324	14.0	67	3295	21.9	7.2	22	28	-
CCBEH303A	**8.6**	6.0	4.7	3.9	3	486	18.7	69	5384	16.4	5.2	22	28	-
CCBEH303B	**11.3**	8.0	6.3	5.2	3	486	17.9	69	5153	24.7	7.8	22	28	-
CCBEH303C	**13.1**	9.3	7.3	5.9	3	486	17.2	69	4942	32.9	10.4	22	28	-
CCBEH304A	**11.4**	8.1	6.4	5.2	4	648	21.6	70	7178	21.9	6.7	22	28	-
CCBEH304B	**14.7**	10.5	8.2	6.6	4	648	20.7	70	6871	32.9	10.1	22	28	-
CCBEH351A	**4.1**	2.9	2.3	1.9	1	180	11.7	49	2454	8.8	3.1	12	16	-
CCBEH351B	**5.4**	3.8	3.0	2.5	1	180	11.2	49	2345	13.2	4.7	16	18	-
CCBEH351C	**6.3**	4.5	3.6	2.9	1	180	10.7	49	2249	17.5	6.3	16	22	-
CCBEH352A	**8.2**	5.8	4.6	3.7	2	360	16.5	52	4907	17.5	5.6	16	22	-
CCBEH352B	**10.3**	7.4	5.7	4.6	2	360	15.8	52	4690	26.3	8.5	16	22	-
CCBEH352C	**12.6**	9.0	7.2	5.9	2	360	15.2	52	4498	35.1	11.3	22	28	-
CCBEH353A	**12.4**	8.8	6.9	5.7	3	540	20.2	54	7361	26.3	8.1	22	28	-
CCBEH353B	**16.1**	11.5	9.0	7.3	3	540	19.3	54	7035	39.4	12.2	22	28	-
CCBEH353C	**18.3**	13.2	10.3	8.3	3	540	18.6	54	6747	52.6	16.3	22	28	-
CCBEH354A	**16.5**	11.7	9.2	7.4	4	720	23.4	55	9814	35.1	10.7	22	28	-
CCBEH354B	**20.6**	14.9	11.5	9.1	4	720	22.3	55	9381	52.6	16.0	22	28	-

Model	Nominal capacities HFC DX				Blow-through AC fans 230/50/1							Connections		Stock model
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	
CCBE	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed L														
CCBEL251A	**1.4**	1.0	0.8	0.6	1	45	4.4	43	662	4.6	1.7	12	14	-
CCBEL251B	**1.8**	1.3	1.0	0.8	1	45	4.2	43	640	6.8	2.5	12	16	-
CCBEL251C	**2.0**	1.4	1.2	1.0	1	45	4.1	43	620	9.1	3.4	12	16	-
CCBEL252A	**2.8**	2.0	1.6	1.3	2	90	6.2	46	1325	9.1	3.0	12	16	-
CCBEL252B	**3.5**	2.5	2.0	1.7	2	90	6.0	46	1281	13.7	4.5	16	18	-
CCBEL252C	**4.1**	2.9	2.4	1.9	2	90	5.8	46	1241	18.3	6.0	16	18	-
CCBEL253A	**4.1**	2.9	2.3	1.9	3	135	7.6	48	1987	13.7	4.3	16	18	-
CCBEL253B	**5.3**	3.8	3.0	2.5	3	135	7.3	48	1921	20.5	6.5	16	22	-
CCBEL253C	**6.1**	4.3	3.5	2.9	3	135	7.1	48	1861	27.4	8.6	16	22	-
CCBEL254A	**5.5**	3.9	3.1	2.6	4	180	8.7	49	2650	18.3	5.6	16	22	-
CCBEL254B	**7.1**	5.0	4.0	3.3	4	180	8.5	49	2561	27.4	8.4	16	22	-
CCBEL301A	**2.3**	1.6	1.3	1.0	1	72	7.6	42	1261	5.5	2.0	12	16	-
CCBEL301B	**2.9**	2.1	1.7	1.4	1	72	7.2	42	1193	8.2	3.1	12	16	-
CCBEL301C	**3.4**	2.4	1.9	1.6	1	72	6.8	42	1136	11.0	4.1	16	18	-
CCBEL302A	**4.5**	3.2	2.5	2.1	2	144	10.7	45	2521	11.0	3.6	16	18	-
CCBEL302B	**5.8**	4.1	3.3	2.6	2	144	10.2	45	2386	16.4	5.4	16	18	-
CCBEL302C	**6.8**	4.8	3.9	3.2	2	144	9.7	45	2272	21.9	7.2	22	28	-
CCBEL303A	**6.8**	4.8	3.8	3.1	3	216	13.2	47	3782	16.4	5.2	22	28	-
CCBEL303B	**8.8**	6.2	5.0	4.1	3	216	12.4	47	3578	24.7	7.8	22	28	-
CCBEL303C	**10.1**	7.2	5.7	4.7	3	216	11.9	47	3408	32.9	10.4	22	28	-
CCBEL304A	**9.1**	6.4	5.1	4.2	4	288	15.2	48	5043	21.9	6.7	22	28	-
CCBEL304B	**11.6**	8.3	6.5	5.3	4	288	14.4	48	4771	32.9	10.1	22	28	-
CCBEL351A	**3.1**	2.2	1.7	1.4	1	74	7.5	38	1578	8.8	3.1	12	16	-
CCBEL351B	**3.9**	2.8	2.2	1.8	1	74	7.1	38	1501	13.2	4.7	16	18	-
CCBEL351C	**4.5**	3.2	2.6	2.1	1	74	6.8	38	1434	17.5	6.3	16	22	-
CCBEL352A	**6.2**	4.4	3.5	2.8	2	148	10.6	41	3156	17.5	5.6	16	22	-
CCBEL352B	**7.7**	5.5	4.4	3.5	2	148	10.1	41	3002	26.3	8.5	16	22	-
CCBEL352C	**9.0**	6.4	5.2	4.3	2	148	9.7	41	2867	35.1	11.3	22	28	-
CCBEL353A	**9.2**	6.5	5.2	4.3	3	222	13.0	43	4734	26.3	8.1	22	28	-
CCBEL353B	**11.8**	8.4	6.7	5.5	3	222	12.4	43	4503	39.4	12.2	22	28	-
CCBEL353C	**13.4**	9.6	7.6	6.2	3	222	11.8	43	4301	52.6	16.3	22	28	-
CCBEL354A	**12.3**	8.7	6.9	5.7	4	296	15.0	44	6312	35.1	10.7	22	28	-
CCBEL354B	**15.5**	11.1	8.7	7.1	4	296	14.3	44	6003	52.6	16.0	22	28	-

Model	Nominal capacities HFC DX			Blow-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC1	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H													
CCBEH251A	**2.7**	2.9	1.9	1	127	7.7	58	1163	7.5	1.7	12	14	-
CCBEH251B	**3.4**	3.6	2.4	1	127	7.4	58	1114	11.3	2.5	12	16	-
CCBEH251C	**3.8**	4.0	2.7	1	127	7.1	58	1070	15.0	3.4	12	16	-
CCBEH252A	**5.4**	5.7	3.9	2	254	10.9	61	2325	15.0	3.0	12	16	-
CCBEH252B	**6.6**	7.1	4.8	2	254	10.4	61	2228	22.5	4.5	16	18	-
CCBEH252C	**7.6**	8.0	5.5	2	254	10.0	61	2140	30.0	6.0	16	18	-
CCBEH253A	**7.8**	8.4	5.6	3	381	13.3	63	3488	22.5	4.3	16	18	-
CCBEH253B	**10.3**	10.8	7.3	3	381	12.7	63	3343	33.8	6.5	16	22	-
CCBEH253C	**11.2**	11.9	8.1	3	381	12.2	63	3210	45.1	8.6	16	22	-
CCBEH254A	**11.0**	11.6	7.8	4	508	15.3	64	4650	30.0	5.6	16	22	-
CCBEH254B	**13.2**	14.1	9.5	4	508	14.7	64	4457	45.1	8.4	16	22	-
CCBEH351A	**5.3**	5.6	3.8	1	170	11.0	48	2311	14.4	3.1	12	16	-
CCBEH351B	**6.6**	7.0	4.7	1	170	10.4	48	2178	21.6	4.7	16	18	-
CCBEH351C	**7.4**	7.7	5.3	1	170	9.8	48	2062	28.8	6.3	16	22	-
CCBEH352A	**10.6**	11.3	7.6	2	340	15.6	51	4621	28.8	5.6	16	22	-
CCBEH352B	**12.2**	13.3	8.9	2	340	14.7	51	4356	43.3	8.5	16	22	-
CCBEH352C	**14.7**	15.4	10.5	2	340	13.9	51	4123	57.7	11.3	22	28	-
CCBEH353A	**16.3**	17.0	11.5	3	510	19.1	53	6932	43.3	8.1	22	28	-
CCBEH353B	**19.6**	20.8	14.1	3	510	18.0	53	6534	64.9	12.2	22	28	-
CCBEH353C	**20.9**	22.4	15.2	3	510	17.0	53	6185	86.5	16.3	22	28	-
CCBEH354A	**21.3**	22.6	15.2	4	680	22.0	54	9243	57.7	10.7	22	28	-
CCBEH354B	**24.5**	26.7	17.9	4	680	20.7	54	8711	86.5	16.0	22	28	-
Fin spacing 4 mm, fan speed L													
CCBEL301A	**2.9**	3.1	2.1	1	68	7.0	42	1154	9.0	2.0	12	16	-
CCBEL301B	**3.5**	3.7	2.5	1	68	6.5	42	1074	13.5	3.1	12	16	-
CCBEL301C	**3.8**	4.0	2.7	1	68	6.1	42	1007	18.0	4.1	16	18	-
CCBEL302A	**5.9**	6.1	4.2	2	136	9.8	45	2309	18.0	3.6	16	18	-
CCBEL302B	**6.9**	7.3	4.9	2	136	9.1	45	2148	27.0	5.4	16	18	-
CCBEL302C	**7.7**	7.9	5.4	2	136	8.6	45	2015	36.0	7.2	22	28	-
CCBEL303A	**8.8**	9.1	6.2	3	204	12.0	47	3463	27.0	5.2	22	28	-
CCBEL303B	**10.6**	11.0	7.5	3	204	11.2	47	3222	40.5	7.8	22	28	-
CCBEL303C	**11.3**	11.9	8.1	3	204	10.5	47	3022	54.1	10.4	22	28	-
CCBEL304A	**11.8**	12.3	8.3	4	272	13.9	48	4618	36.0	6.7	22	28	-
CCBEL304B	**13.8**	14.6	9.9	4	272	12.9	48	4296	54.1	10.1	22	28	-

Model	Nominal capacities HFC DX			Blow-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC1	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBE	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H													
CCBEH401A	**6.5**	7.1	4.8	1	229	13.8	55	3070	16.2	3.5	16	18	-
CCBEH401B	**7.8**	8.7	5.8	1	229	12.9	55	2873	24.3	5.3	16	18	-
CCBEH401C	**8.8**	9.7	6.6	1	229	12.1	55	2699	32.4	7.0	16	22	-
CCBEH402A	**12.6**	14.0	9.4	2	458	19.5	58	6139	32.4	6.3	16	22	-
CCBEH402B	**14.4**	16.5	11.0	2	458	18.2	58	5746	48.7	9.5	16	22	-
CCBEH402C	**17.7**	19.4	13.2	2	458	17.1	58	5399	64.9	12.7	22	35	-
CCBEH403A	**19.4**	21.3	14.4	3	687	23.9	60	9209	48.7	9.2	22	28	-
CCBEH403B	**23.3**	26.0	17.5	3	687	22.3	60	8619	73.0	13.8	22	28	-
CCBEH403C	**24.8**	28.0	18.8	3	687	21.0	60	8098	97.3	18.4	22	28	-
CCBEH404A	**25.1**	28.1	18.8	4	916	27.6	61	12280	64.9	12.0	22	28	-
CCBEH404B	**28.8**	33.1	22.0	4	916	25.8	61	11490	97.3	18.0	22	28	-
CCBEH404C	**33.1**	37.4	25.1	4	916	24.2	61	10800	129.7	24.0	22	35	-
CCBEH501A	**13.5**	15.2	10.1	1	720	21.5	55	6594	49.9	11.1	16	35	-
CCBEH501B	**17.2**	19.0	12.8	1	720	20.0	55	6123	74.8	16.7	22	35	-
CCBEH501C	**18.5**	20.7	13.9	1	720	18.7	55	5730	99.8	22.3	22	42	-
CCBEH502A	**25.6**	29.5	19.4	2	1440	30.5	58	13190	99.8	20.4	22	42	-
CCBEH502B	**34.1**	37.9	25.4	2	1440	28.3	58	12250	149.7	30.5	28	42	-
CCBEH502C	**37.1**	41.4	27.9	2	1440	26.5	58	11460	199.5	40.8	28	42	-
CCBEH503A	**41.5**	46.3	30.9	3	2160	37.3	60	19780	149.7	29.6	28	42	-
CCBEH503B	**45.0**	52.5	34.6	3	2160	34.6	60	18370	224.5	44.4	28	42	-
CCBEH503C	**55.7**	62.2	41.9	3	2160	32.4	60	17190	299.3	59.2	28	42	-
CCBEH504A	**56.2**	62.0	41.4	4	2880	43.1	61	26370	199.5	38.8	28	54	-
CCBEH504B	**65.5**	74.2	49.5	4	2880	40.0	61	24490	299.3	58.3	28	54	-
CCBEH504C	**74.3**	83.0	55.9	4	2880	37.4	61	22920	399.1	77.7	28	54	-
Fin spacing 4 mm, fan speed L													
CCBEL501A	**11.1**	11.8	7.9	1	260	14.2	47	4342	49.9	11.1	16	35	-
CCBEL501B	**13.5**	14.1	9.5	1	260	13.2	47	4029	74.8	16.7	22	35	-
CCBEL501C	**14.4**	15.1	10.3	1	260	12.3	47	3767	99.8	22.3	22	42	-
CCBEL502A	**21.5**	23.1	15.5	2	520	20.1	50	8683	99.8	20.4	22	42	-
CCBEL502B	**26.9**	28.2	19.1	2	520	18.6	50	8058	149.7	30.5	28	42	-
CCBEL502C	**28.8**	30.3	20.6	2	520	17.4	50	7534	199.5	40.8	28	42	-
CCBEL503A	**33.7**	35.4	23.8	3	780	24.6	52	13030	149.7	29.6	28	42	-
CCBEL503B	**37.5**	40.7	27.2	3	780	22.8	52	12090	224.5	44.4	28	42	-
CCBEL503C	**43.2**	45.4	30.9	3	780	21.3	52	11300	299.3	59.2	28	42	-
CCBEL504A	**45.2**	47.2	31.8	4	1040	28.4	53	17370	199.5	38.8	28	54	-
CCBEL504B	**52.8**	56.0	37.8	4	1040	26.3	53	16120	299.3	58.3	28	54	-
CCBEL504C	**57.7**	60.5	41.2	4	1040	24.6	53	15070	399.1	77.7	28	54	-

Model	Nominal capacities HFC DX				Blow-through AC fans 400/50/3							Connections		Stock model
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	
CCBE	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CCBEH251A	**2.0**	1.5	1.1	0.9	1	127	7.9	58	1195	4.6	1.7	12	14	-
CCBEH251B	**2.7**	1.9	1.5	1.2	1	127	7.6	58	1157	6.8	2.5	12	16	-
CCBEH251C	**3.2**	2.3	1.8	1.5	1	127	7.4	58	1123	9.1	3.4	12	16	-
CCBEH252A	**4.1**	2.9	2.3	1.9	2	254	11.2	61	2390	9.1	3.0	12	16	-
CCBEH252B	**5.3**	3.8	3.0	2.4	2	254	10.8	61	2314	13.7	4.5	16	18	-
CCBEH252C	**6.4**	4.5	3.6	3.0	2	254	10.5	61	2246	18.3	6.0	16	18	-
CCBEH253A	**6.0**	4.3	3.3	2.7	3	381	13.7	63	3585	13.7	4.3	16	18	-
CCBEH253B	**8.1**	5.8	4.6	3.8	3	381	13.2	63	3470	20.5	6.5	16	22	-
CCBEH253C	**9.5**	6.8	5.4	4.4	3	381	12.8	63	3369	27.4	8.6	16	22	-
CCBEH254A	**8.3**	5.8	4.6	3.8	4	508	15.8	64	4780	18.3	5.6	16	22	-
CCBEH254B	**10.7**	7.6	6.0	4.9	4	508	15.3	64	4627	27.4	8.4	16	22	-
CCBEH351A	**4.0**	2.9	2.3	1.8	1	170	11.4	48	2400	8.8	3.1	12	16	-
CCBEH351B	**5.3**	3.8	3.0	2.4	1	170	10.9	48	2294	13.2	4.7	16	18	-
CCBEH351C	**6.2**	4.4	3.5	2.9	1	170	10.5	48	2201	17.5	6.3	16	22	-
CCBEH352A	**8.1**	5.8	4.5	3.7	2	340	16.2	51	4800	17.5	5.6	16	22	-
CCBEH352B	**10.2**	7.3	5.6	4.5	2	340	15.5	51	4589	26.3	8.5	16	22	-
CCBEH352C	**12.5**	8.9	7.1	5.8	2	340	14.8	51	4402	35.1	11.3	22	28	-
CCBEH353A	**12.2**	8.6	6.8	5.6	3	510	19.8	53	7201	26.3	8.1	22	28	-
CCBEH353B	**15.9**	11.3	8.9	7.3	3	510	18.9	53	6883	39.4	12.2	22	28	-
CCBEH353C	**18.1**	13.0	10.1	8.2	3	510	18.2	53	6603	52.6	16.3	22	28	-
CCBEH354A	**16.2**	11.5	9.1	7.4	4	680	22.9	54	9601	35.1	10.7	22	28	-
CCBEH354B	**20.4**	14.7	11.3	9.0	4	680	21.9	54	9177	52.6	16.0	22	28	-
Fin spacing 7 mm, fan speed L														
CCBEL301A	**2.2**	1.6	1.2	1.0	1	68	7.3	42	1212	5.5	2.0	12	16	-
CCBEL301B	**2.8**	2.0	1.6	1.3	1	68	6.9	42	1146	8.2	3.1	12	16	-
CCBEL301C	**3.3**	2.3	1.9	1.5	1	68	6.6	42	1090	11.0	4.1	16	18	-
CCBEL302A	**4.4**	3.1	2.5	2.0	2	136	10.3	45	2425	11.0	3.6	16	18	-
CCBEL302B	**5.6**	4.0	3.2	2.6	2	136	9.8	45	2292	16.4	5.4	16	18	-
CCBEL302C	**6.5**	4.6	3.7	3.1	2	136	9.3	45	2180	21.9	7.2	22	28	-
CCBEL303A	**6.6**	4.6	3.7	3.0	3	204	12.7	47	3637	16.4	5.2	22	28	-
CCBEL303B	**8.5**	6.1	4.8	4.0	3	204	12.0	47	3439	24.7	7.8	22	28	-
CCBEL303C	**9.8**	7.0	5.6	4.6	3	204	11.4	47	3270	32.9	10.4	22	28	-
CCBEL304A	**8.9**	6.3	5.0	4.1	4	272	14.6	48	4849	21.9	6.7	22	28	-
CCBEL304B	**11.3**	8.0	6.4	5.2	4	272	13.8	48	4585	32.9	10.1	22	28	-

Model	Nominal capacities HFC DX				Blow-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBE	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fanspeed H														
CCBEH401A	**5.1**	3.6	2.8	2.3	1	229	14.3	55	3194	9.9	3.5	16	18	-
CCBEH401B	**6.6**	4.7	3.7	3.0	1	229	13.7	55	3042	14.8	5.3	16	18	-
CCBEH401C	**7.8**	5.6	4.4	3.6	1	229	13.0	55	2904	19.7	7.0	16	22	-
CCBEH402A	**10.1**	7.2	5.6	4.5	2	458	20.3	58	6389	19.7	6.3	16	22	-
CCBEH402B	**12.6**	9.1	6.9	5.5	2	458	19.3	58	6085	29.6	9.5	16	22	-
CCBEH402C	**15.7**	11.2	8.9	7.3	2	458	18.4	58	5807	39.4	12.7	22	35	-
CCBEH403A	**15.3**	10.8	8.5	7.0	3	687	24.8	60	9583	29.6	9.2	22	28	-
CCBEH403B	**19.9**	14.2	11.1	9.0	3	687	23.7	60	9127	44.4	13.8	22	28	-
CCBEH403C	**22.5**	16.3	12.6	10.0	3	687	22.6	60	8711	59.2	18.4	22	28	-
CCBEH404A	**20.3**	14.4	11.2	9.1	4	916	28.7	61	12780	39.4	12.0	22	28	-
CCBEH404B	**25.3**	18.3	13.9	11.1	4	916	27.3	61	12170	59.2	18.0	22	28	-
CCBEH404C	**30.1**	21.7	16.8	13.4	4	916	26.1	61	11610	78.9	24.0	22	35	-
CCBEH501A	**10.7**	7.6	5.8	4.7	1	720	23.0	55	7037	29.7	11.1	16	35	-
CCBEH501B	**14.3**	10.1	7.8	6.3	1	720	21.9	55	6691	44.5	16.7	22	35	-
CCBEH501C	**16.6**	11.8	9.2	7.4	1	720	20.9	55	6386	59.4	22.3	22	42	-
CCBEH502A	**20.9**	14.9	11.3	9.0	2	1440	32.5	58	14070	59.4	20.4	22	42	-
CCBEH502B	**28.6**	20.2	15.7	12.6	2	1440	30.9	58	13380	89.0	30.5	28	42	-
CCBEH502C	**33.3**	23.7	18.4	14.8	2	1440	29.5	58	12770	118.7	40.8	28	42	-
CCBEH503A	**32.5**	22.9	17.6	14.2	3	2160	39.8	60	21110	89.0	29.6	28	42	-
CCBEH503B	**39.7**	28.8	21.7	17.1	3	2160	37.9	60	20070	133.5	44.4	28	42	-
CCBEH503C	**50.0**	35.6	27.6	22.3	3	2160	36.1	60	19160	178.1	59.2	28	42	-
CCBEH504A	**43.4**	30.4	23.5	19.0	4	2880	46.0	61	28150	118.7	38.8	28	54	-
CCBEH504B	**56.0**	40.0	30.7	24.6	4	2880	43.7	61	26760	178.1	58.3	28	54	-
CCBEH504C	**66.6**	47.5	36.9	29.7	4	2880	41.7	61	25540	237.4	77.7	28	54	-
Fin spacing 7 mm, fan speed L														
CCBEL501A	**8.4**	5.9	4.6	3.7	1	260	15.2	47	4644	29.7	11.1	16	35	-
CCBEL501B	**10.9**	7.7	6.0	4.9	1	260	14.4	47	4413	44.5	16.7	22	35	-
CCBEL501C	**12.6**	9.0	7.1	5.7	1	260	13.8	47	4211	59.4	22.3	22	42	-
CCBEL502A	**16.6**	11.8	9.1	7.4	2	520	21.5	50	9288	59.4	20.4	22	42	-
CCBEL502B	**21.9**	15.4	12.1	9.9	2	520	20.4	50	8825	89.0	30.5	28	42	-
CCBEL502C	**25.3**	17.9	14.2	11.5	2	520	19.5	50	8422	118.7	40.8	28	42	-
CCBEL503A	**25.4**	17.8	13.9	11.3	3	780	26.3	52	13930	89.0	29.6	28	42	-
CCBEL503B	**31.6**	22.7	17.5	14.0	3	780	25.0	52	13240	133.5	44.4	28	42	-
CCBEL503C	**37.9**	26.9	21.3	17.3	3	780	23.8	52	12630	178.1	59.2	28	42	-
CCBEL504A	**33.7**	23.6	18.4	15.0	4	1040	30.3	53	18580	118.7	38.8	28	54	-
CCBEL504B	**43.5**	30.9	24.2	19.6	4	1040	28.8	53	17650	178.1	58.3	28	54	-
CCBEL504C	**50.6**	35.9	28.4	23.1	4	1040	27.5	53	16840	237.4	77.7	28	54	-

Model	Nominal capacities HFC DX				Blow-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBE	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 10 mm, fan speed H														
CCBEH501A	**8.9**	6.3	4.8	3.9	1	720	23.5	55	7184	21.6	11.1	16	35	-
CCBEH501B	**12.1**	8.5	6.6	5.4	1	720	22.5	55	6886	32.4	16.7	22	35	-
CCBEH501C	**14.5**	10.3	8.0	6.5	1	720	21.6	55	6620	43.2	22.3	22	42	-
CCBEH502A	**17.6**	12.5	9.6	7.7	2	1440	33.2	58	14370	43.2	20.4	22	42	-
CCBEH502B	**24.3**	17.1	13.3	10.8	2	1440	31.8	58	13770	64.8	30.5	28	42	-
CCBEH502C	**29.1**	20.7	16.1	13.0	2	1440	30.6	58	13240	86.4	40.8	28	42	-
CCBEH503A	**26.8**	18.8	14.6	11.8	3	2160	40.7	60	21550	64.8	29.6	28	42	-
CCBEH503B	**34.7**	24.9	19.0	15.1	3	2160	39.0	60	20660	97.2	44.4	28	42	-
CCBEH503C	**43.7**	31.0	24.2	19.6	3	2160	37.5	60	19860	129.6	59.2	28	42	-
CCBEH504A	**35.7**	24.9	19.3	15.7	4	2880	46.9	61	28740	86.4	38.8	28	54	-
CCBEH504B	**48.0**	34.1	26.4	21.3	4	2880	45.0	61	27550	129.6	58.3	28	54	-
CCBEH504C	**58.3**	41.4	32.3	26.1	4	2880	43.3	61	26480	172.8	77.7	28	54	-
Fin spacing 10 mm, fan speed L														
CCBEL501A	**7.0**	4.9	3.8	3.1	1	260	15.5	47	4749	21.6	11.1	16	35	-
CCBEL501B	**9.3**	6.5	5.1	4.2	1	260	14.9	47	4548	32.4	16.7	22	35	-
CCBEL501C	**11.1**	7.9	6.2	5.1	1	260	14.3	47	4372	43.2	22.3	22	42	-
CCBEL502A	**13.9**	9.9	7.7	6.2	2	520	21.9	50	9497	43.2	20.4	22	42	-
CCBEL502B	**18.7**	13.2	10.4	8.5	2	520	21.0	50	9096	64.8	30.5	28	42	-
CCBEL502C	**22.3**	15.8	12.5	10.2	2	520	20.2	50	8743	86.4	40.8	28	42	-
CCBEL503A	**21.0**	14.7	11.5	9.4	3	780	26.9	52	14250	64.8	29.6	28	42	-
CCBEL503B	**27.5**	19.6	15.2	12.3	3	780	25.7	52	13640	97.2	44.4	28	42	-
CCBEL503C	**33.4**	23.7	18.7	15.3	3	780	24.7	52	13110	129.6	59.2	28	42	-
CCBEL504A	**27.9**	19.4	15.2	12.4	4	1040	31.0	53	18990	86.4	38.8	28	54	-
CCBEL504B	**37.4**	26.4	20.7	16.9	4	1040	29.7	53	18190	129.6	58.3	28	54	-
CCBEL504C	**44.6**	31.6	24.9	20.4	4	1040	28.6	53	17490	172.8	77.7	28	54	-
Fin spacing 12 mm, fan speed H														
CCBEH501A	**8.2**	5.7	4.4	3.6	1	720	23.6	55	7228	18.5	11.1	16	35	-
CCBEH501B	**11.2**	7.8	6.1	5.0	1	720	22.7	55	6945	27.7	16.7	22	35	-
CCBEH501C	**13.6**	9.6	7.5	6.1	1	720	21.9	55	6691	36.9	22.3	22	42	-
CCBEH502A	**16.2**	11.5	8.8	7.1	2	1440	33.4	58	14460	36.9	20.4	22	42	-
CCBEH502B	**22.4**	15.8	12.3	10.0	2	1440	32.1	58	13890	55.4	30.5	28	42	-
CCBEH502C	**27.2**	19.3	15.0	12.2	2	1440	30.9	58	13380	73.8	40.8	28	42	-
CCBEH503A	**24.5**	17.2	13.3	10.8	3	2160	40.9	60	21680	55.4	29.6	28	42	-
CCBEH503B	**32.4**	23.2	17.8	14.2	3	2160	39.3	60	20840	83.0	44.4	28	42	-
CCBEH503C	**40.9**	28.9	22.6	18.3	3	2160	37.9	60	20070	110.7	59.2	28	42	-
CCBEH504A	**32.6**	22.7	17.6	14.3	4	2880	47.2	61	28910	73.8	38.8	28	54	-
CCBEH504B	**44.5**	31.5	24.5	19.8	4	2880	45.4	61	27780	110.7	58.3	28	54	-
CCBEH504C	**54.5**	38.6	30.1	24.4	4	2880	43.7	61	26760	147.6	77.7	28	54	-
Fin spacing 12 mm, fan speed L														
CCBEL501A	**6.4**	4.5	3.5	2.9	1	260	15.6	47	4781	18.5	11.1	16	35	-
CCBEL501B	**8.6**	6.0	4.8	3.9	1	260	15.0	47	4590	27.7	16.7	22	35	-
CCBEL501C	**10.4**	7.4	5.8	4.7	1	260	14.5	47	4423	36.9	22.3	22	42	-
CCBEL502A	**12.8**	9.0	7.1	5.7	2	520	22.1	50	9562	36.9	20.4	22	42	-
CCBEL502B	**17.3**	12.2	9.6	7.8	2	520	21.2	50	9181	55.4	30.5	28	42	-
CCBEL502C	**20.9**	14.8	11.7	9.5	2	520	20.4	50	8845	73.8	40.8	28	42	-
CCBEL503A	**19.2**	13.5	10.5	8.6	3	780	27.1	52	14340	55.4	29.6	28	42	-
CCBEL503B	**25.6**	18.3	14.2	11.5	3	780	26.0	52	13770	83.0	44.4	28	42	-
CCBEL503C	**31.3**	22.1	17.5	14.3	3	780	25.0	52	13270	110.7	59.2	28	42	-
CCBEL504A	**25.5**	17.8	13.9	11.3	4	1040	31.2	53	19120	73.8	38.8	28	54	-
CCBEL504B	**34.7**	24.5	19.2	15.7	4	1040	30.0	53	18360	110.7	58.3	28	54	-
CCBEL504C	**41.8**	29.5	23.3	19.1	4	1040	28.9	53	17690	147.6	77.7	28	54	-

Model	Nominal capacities CO_2 DX		Blow-through AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBX	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H												
CCBXH251A	**2.0**	1.6	1	134	7.8	58	1186	7.7	1.0	8	10	-
CCBXH251B	**2.7**	2.1	1	134	7.5	58	1141	11.5	1.5	12	12	-
CCBXH251C	**3.2**	2.5	1	134	7.2	58	1098	15.3	2.0	12	12	-
CCBXH252A	**4.0**	3.1	2	268	11.1	61	2373	15.3	1.8	12	12	-
CCBXH252B	**5.4**	4.2	2	268	10.6	61	2281	23.0	2.6	12	12	-
CCBXH252C	**6.4**	5.0	2	268	10.3	61	2196	30.6	3.5	12	12	-
CCBXH253A	**6.2**	4.8	3	402	13.6	63	3559	23.0	2.5	12	12	-
CCBXH253B	**8.2**	6.4	3	402	13.0	63	3422	34.4	3.8	12	12	-
CCBXH253C	**9.8**	7.6	3	402	12.6	63	3294	45.9	5.1	16	12	-
CCBXH254A	**8.1**	6.3	4	536	15.7	64	4746	30.6	3.3	12	12	-
CCBXH254B	**10.6**	8.3	4	536	15.1	64	4563	45.9	4.9	12	12	-
CCBXH301A	**2.7**	2.1	1	162	10.7	64	1773	9.2	1.2	12	12	-
CCBXH301B	**3.6**	2.8	1	162	10.2	64	1688	13.8	1.8	12	12	-
CCBXH301C	**4.4**	3.4	1	162	9.7	64	1610	18.4	2.4	12	12	-
CCBXH302A	**5.4**	4.2	2	324	15.1	67	3547	18.4	2.1	12	12	-
CCBXH302B	**7.2**	5.6	2	324	14.4	67	3376	27.6	3.2	12	12	-
CCBXH302C	**8.7**	6.8	2	324	13.7	67	3221	36.7	4.2	16	12	-
CCBXH303A	**8.2**	6.3	3	486	18.5	69	5320	27.6	3.0	16	12	-
CCBXH303B	**10.9**	8.5	3	486	17.6	69	5065	41.3	4.6	16	12	-
CCBXH303C	**13.0**	10.1	3	486	16.8	69	4831	55.1	6.1	16	14	-
CCBXH304A	**10.9**	8.5	4	648	21.4	70	7093	36.7	4.0	16	14	-
CCBXH304B	**14.7**	11.4	4	648	20.3	70	6753	55.1	5.9	22	16	-
CCBXH351A	**4.0**	3.1	1	180	11.5	49	2420	14.7	1.8	12	12	-
CCBXH351B	**5.3**	4.2	1	180	11.0	49	2301	22.0	2.8	12	12	-
CCBXH351C	**6.3**	4.9	1	180	10.5	49	2195	29.4	3.7	12	12	-
CCBXH352A	**8.0**	6.2	2	360	16.3	52	4841	29.4	3.3	12	12	-
CCBXH352B	**10.7**	8.3	2	360	15.5	52	4602	44.1	5.0	16	12	-
CCBXH352C	**12.7**	9.9	2	360	14.8	52	4390	58.8	6.6	16	12	-
CCBXH353A	**12.2**	9.4	3	540	20.0	54	7261	44.1	4.8	16	14	-
CCBXH353B	**15.9**	12.4	3	540	19.0	54	6902	66.1	7.2	16	14	-
CCBXH353C	**19.2**	15.0	3	540	18.1	54	6584	88.2	9.6	22	14	-
CCBXH354A	**16.0**	12.4	4	720	23.1	55	9682	58.8	6.3	16	14	-
CCBXH354B	**21.6**	16.8	4	720	21.9	55	9203	88.2	9.4	22	14	-

Model	Nominal capacities CO_2 DX		Blow-through AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBX	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed L												
CCBXL251A	**1.7**	1.2	1	45	4.3	43	653	7.7	1.0	8	10	-
CCBXL251B	**2.1**	1.5	1	45	4.1	43	628	11.5	1.5	12	12	-
CCBXL251C	**2.3**	1.7	1	45	4.0	43	605	15.3	2.0	12	12	-
CCBXL252A	**3.5**	2.5	2	90	6.1	46	1306	15.3	1.8	12	12	-
CCBXL252B	**4.2**	3.0	2	90	5.9	46	1256	23.0	2.6	12	12	-
CCBXL252C	**4.7**	3.3	2	90	5.6	46	1210	30.6	3.5	12	12	-
CCBXL253A	**5.2**	3.7	3	135	7.5	48	1960	23.0	2.5	12	12	-
CCBXL253B	**6.4**	4.5	3	135	7.2	48	1884	34.4	3.8	12	12	-
CCBXL253C	**7.0**	5.0	3	135	6.9	48	1816	45.9	5.1	16	12	-
CCBXL254A	**6.9**	4.9	4	180	8.6	49	2613	30.6	3.3	12	12	-
CCBXL254B	**8.4**	6.0	4	180	8.3	49	2512	45.9	4.9	12	12	-
CCBXL301A	**2.8**	2.0	1	72	7.5	42	1237	9.2	1.2	12	12	-
CCBXL301B	**3.5**	2.5	1	72	7.0	42	1163	13.8	1.8	12	12	-
CCBXL301C	**3.9**	2.8	1	72	6.6	42	1101	18.4	2.4	12	12	-
CCBXL302A	**5.6**	4.0	2	144	10.5	45	2474	18.4	2.1	12	12	-
CCBXL302B	**6.9**	4.9	2	144	9.9	45	2326	27.6	3.2	12	12	-
CCBXL302C	**7.8**	5.5	2	144	9.4	45	2202	36.7	4.2	16	12	-
CCBXL303A	**8.4**	6.0	3	216	12.9	47	3711	27.6	3.0	16	12	-
CCBXL303B	**10.4**	7.4	3	216	12.1	47	3489	41.3	4.6	16	12	-
CCBXL303C	**11.6**	8.3	3	216	11.5	47	3303	55.1	6.1	16	14	-
CCBXL304A	**11.2**	7.9	4	288	14.9	48	4948	36.7	4.0	16	14	-
CCBXL304B	**13.9**	9.9	4	288	14.0	48	4652	55.1	5.9	22	16	-
CCBXL351A	**3.8**	2.7	1	74	7.4	38	1548	14.7	1.8	12	12	-
CCBXL351B	**4.7**	3.3	1	74	7.0	38	1462	22.0	2.8	12	12	-
CCBXL351C	**5.2**	3.7	1	74	6.6	38	1387	29.4	3.7	12	12	-
CCBXL352A	**7.6**	5.4	2	148	10.4	41	3097	29.4	3.3	12	12	-
CCBXL352B	**9.4**	6.7	2	148	9.8	41	2924	44.1	5.0	16	12	-
CCBXL352C	**10.3**	7.4	2	148	9.3	41	2775	58.8	6.6	16	12	-
CCBXL353A	**11.5**	8.2	3	222	12.8	43	4645	44.1	4.8	16	14	-
CCBXL353B	**14.0**	10.0	3	222	12.1	43	4386	66.1	7.2	16	14	-
CCBXL353C	**15.5**	11.1	3	222	11.4	43	4162	88.2	9.6	22	14	-
CCBXL354A	**15.2**	10.8	4	296	14.8	44	6194	58.8	6.3	16	14	-
CCBXL354B	**18.8**	13.4	4	296	13.9	44	5849	88.2	9.4	22	14	-

Model	Nominal capacities CO_2 DX				Blow-through AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBX	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CCBXH251A	**1.8**	1.3	1.0	0.8	1	134	8.0	58	1217	4.6	1.0	8	10	-
CCBXH251B	**2.4**	1.7	1.4	1.1	1	134	7.8	58	1184	6.9	1.5	12	12	-
CCBXH251C	**2.9**	2.1	1.7	1.4	1	134	7.6	58	1152	9.2	2.0	12	12	-
CCBXH252A	**3.6**	2.5	2.0	1.7	2	268	11.4	61	2434	9.2	1.8	12	12	-
CCBXH252B	**4.8**	3.4	2.7	2.3	2	268	11.1	61	2368	13.8	2.6	12	12	-
CCBXH252C	**5.8**	4.1	3.3	2.7	2	268	10.8	61	2305	18.4	3.5	12	12	-
CCBXH253A	**5.4**	3.8	3.0	2.5	3	402	13.9	63	3652	13.8	2.5	12	12	-
CCBXH253B	**7.3**	5.2	4.1	3.4	3	402	13.5	63	3551	20.7	3.8	12	12	-
CCBXH253C	**8.7**	6.2	5.0	4.0	3	402	13.2	63	3457	27.6	5.1	16	12	-
CCBXH254A	**7.2**	5.1	4.0	3.3	4	536	16.1	64	4869	18.4	3.3	12	12	-
CCBXH254B	**9.6**	6.8	5.4	4.5	4	536	15.6	64	4735	27.6	4.9	12	12	-
CCBXH301A	**2.5**	1.8	1.4	1.1	1	162	11.0	64	1830	5.5	1.2	12	12	-
CCBXH301B	**3.3**	2.4	1.9	1.6	1	162	10.6	64	1766	8.3	1.8	12	12	-
CCBXH301C	**4.0**	2.9	2.3	1.9	1	162	10.3	64	1707	11.1	2.4	12	12	-
CCBXH302A	**5.0**	3.5	2.8	2.3	2	324	15.6	67	3660	11.1	2.1	12	12	-
CCBXH302B	**6.7**	4.7	3.8	3.1	2	324	15.0	67	3531	16.6	3.2	12	12	-
CCBXH302C	**8.1**	5.7	4.6	3.8	2	324	14.5	67	3413	22.1	4.2	16	12	-
CCBXH303A	**7.5**	5.3	4.2	3.4	3	486	19.1	69	5490	16.6	3.0	16	12	-
CCBXH303B	**10.0**	7.1	5.7	4.7	3	486	18.4	69	5297	24.9	4.6	16	12	-
CCBXH303C	**12.1**	8.6	6.9	5.7	3	486	17.8	69	5120	33.2	6.1	16	14	-
CCBXH304A	**9.9**	7.0	5.6	4.6	4	648	22.1	70	7320	22.1	4.0	16	14	-
CCBXH304B	**13.4**	9.5	7.6	6.0	4	648	21.3	70	7063	33.2	5.9	22	16	-
CCBXH351A	**3.6**	2.5	2.0	1.7	1	180	11.9	49	2505	8.8	1.8	12	12	-
CCBXH351B	**4.8**	3.4	2.7	2.2	1	180	11.5	49	2412	13.3	2.8	12	12	-
CCBXH351C	**5.8**	4.1	3.3	2.7	1	180	11.1	49	2330	17.7	3.7	12	12	-
CCBXH352A	**7.2**	5.1	4.0	3.3	2	360	16.9	52	5009	17.7	3.3	12	12	-
CCBXH352B	**9.6**	6.9	5.5	4.5	2	360	16.3	52	4825	26.5	5.0	16	12	-
CCBXH352C	**11.6**	8.2	6.6	5.4	2	360	15.7	52	4659	35.4	6.6	16	12	-
CCBXH353A	**10.8**	7.7	6.1	5.0	3	540	20.7	54	7514	26.5	4.8	16	14	-
CCBXH353B	**14.4**	10.3	8.2	6.7	3	540	19.9	54	7237	39.8	7.2	16	14	-
CCBXH353C	**17.4**	12.3	9.9	8.0	3	540	19.2	54	6989	53.1	9.6	22	14	-
CCBXH354A	**14.4**	10.2	8.1	6.6	4	720	23.9	55	10020	35.4	6.3	16	14	-
CCBXH354B	**19.4**	13.7	11.0	9.1	4	720	23.0	55	9649	53.1	9.4	22	14	-

Model	Nominal capacities CO_2 DX				Blow-through AC fans 230/50/1							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBX	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed L														
CCBXL251A	**1.2**	0.9	0.7	0.6	1	45	4.4	43	673	4.6	1.0	8	10	-
CCBXL251B	**1.6**	1.1	0.9	0.7	1	45	4.3	43	654	6.9	1.5	12	12	-
CCBXL251C	**1.9**	1.3	1.1	0.9	1	45	4.2	43	637	9.2	2.0	12	12	-
CCBXL252A	**2.5**	1.7	1.4	1.2	2	90	6.3	46	1345	9.2	1.8	12	12	-
CCBXL252B	**3.2**	2.3	1.9	1.5	2	90	6.1	46	1308	13.8	2.6	12	12	-
CCBXL252C	**3.8**	2.7	2.2	1.8	2	90	5.9	46	1274	18.4	3.5	12	12	-
CCBXL253A	**3.7**	2.6	2.0	1.7	3	135	7.7	48	2018	13.8	2.5	12	12	-
CCBXL253B	**4.8**	3.4	2.7	2.2	3	135	7.5	48	1962	20.7	3.8	12	12	-
CCBXL253C	**5.7**	4.0	3.2	2.6	3	135	7.3	48	1911	27.6	5.1	16	12	-
CCBXL254A	**4.9**	3.5	2.8	2.3	4	180	8.9	49	2691	18.4	3.3	12	12	-
CCBXL254B	**6.4**	4.6	3.7	3.0	4	180	8.6	49	2616	27.6	4.9	12	12	-
CCBXL301A	**2.0**	1.4	1.1	0.9	1	72	7.8	42	1295	5.5	1.2	12	12	-
CCBXL301B	**2.6**	1.9	1.5	1.2	1	72	7.4	42	1234	8.3	1.8	12	12	-
CCBXL301C	**3.1**	2.2	1.8	1.4	1	72	7.1	42	1183	11.1	2.4	12	12	-
CCBXL302A	**4.0**	2.8	2.3	1.9	2	144	11.0	45	2589	11.1	2.1	12	12	-
CCBXL302B	**5.3**	3.8	3.0	2.5	2	144	10.5	45	2468	16.6	3.2	12	12	-
CCBXL302C	**6.3**	4.5	3.6	2.9	2	144	10.1	45	2367	22.1	4.2	16	12	-
CCBXL303A	**6.0**	4.3	3.3	2.7	3	216	13.5	47	3884	16.6	3.0	16	12	-
CCBXL303B	**7.9**	5.6	4.5	3.7	3	216	12.9	47	3703	24.9	4.6	16	12	-
CCBXL303C	**9.4**	6.7	5.4	4.4	3	216	12.4	47	3550	33.2	6.1	16	14	-
CCBXL304A	**8.0**	5.7	4.4	3.5	4	288	15.6	48	5179	22.1	4.0	16	14	-
CCBXL304B	**10.6**	7.5	5.8	4.7	4	288	14.9	48	4937	33.2	5.9	22	16	-
CCBXL351A	**2.7**	1.9	1.5	1.3	1	74	7.7	38	1615	8.8	1.8	12	12	-
CCBXL351B	**3.6**	2.5	2.0	1.7	1	74	7.4	38	1548	13.3	2.8	12	12	-
CCBXL351C	**4.2**	3.0	2.4	2.0	1	74	7.1	38	1490	17.7	3.7	12	12	-
CCBXL352A	**5.5**	3.9	3.1	2.5	2	148	10.9	41	3230	17.7	3.3	12	12	-
CCBXL352B	**7.2**	5.1	4.1	3.4	2	148	10.4	41	3096	26.5	5.0	16	12	-
CCBXL352C	**8.4**	6.0	4.8	3.9	2	148	10.0	41	2979	35.4	6.6	16	12	-
CCBXL353A	**8.2**	5.8	4.6	3.7	3	222	13.3	43	4845	26.5	4.8	16	14	-
CCBXL353B	**10.7**	7.6	6.1	5.1	3	222	12.8	43	4645	39.8	7.2	16	14	-
CCBXL353C	**12.6**	9.0	7.0	5.7	3	222	12.3	43	4469	53.1	9.6	22	14	-
CCBXL354A	**10.9**	7.7	6.2	5.1	4	296	15.4	44	6459	35.4	6.3	16	14	-
CCBXL354B	**14.4**	10.2	8.0	6.5	4	296	14.8	44	6193	53.1	9.4	22	14	-

Model	Nominal capacities CO_2 DX		Blow-through AC fans 230-400/50/3							Connections		
	DT1 +2/-8 °C	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBX	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H												
CCBXH251A	**2.5**	1.8	1	127	7.8	58	1183	7.7	1.0	8	10	-
CCBXH251B	**3.2**	2.3	1	127	7.5	58	1141	11.5	1.5	12	12	-
CCBXH251C	**3.7**	2.6	1	127	7.3	58	1103	15.3	2.0	12	12	-
CCBXH252A	**5.0**	3.5	2	254	11.0	61	2366	15.3	1.8	12	12	-
CCBXH252B	**6.4**	4.6	2	254	10.6	61	2281	23.0	2.6	12	12	-
CCBXH252C	**7.3**	5.2	2	254	10.3	61	2206	30.6	3.5	12	12	-
CCBXH253A	**7.6**	5.4	3	381	13.5	63	3548	23.0	2.5	12	12	-
CCBXH253B	**9.6**	6.9	3	381	13.0	63	3422	34.4	3.8	12	12	-
CCBXH253C	**11.1**	7.9	3	381	12.6	63	3308	45.9	5.1	16	12	-
CCBXH254A	**10.0**	7.1	4	508	15.6	64	4731	30.6	3.3	12	12	-
CCBXH254B	**12.6**	9.0	4	508	15.1	64	4563	45.9	4.9	12	12	-
CCBXH351A	**4.9**	3.5	1	170	11.3	48	2367	14.7	1.8	12	12	-
CCBXH351B	**6.3**	4.5	1	170	10.7	48	2250	22.0	2.8	12	12	-
CCBXH351C	**7.1**	5.1	1	170	10.2	48	2147	29.4	3.7	12	12	-
CCBXH352A	**9.8**	7.0	2	340	15.9	51	4734	29.4	3.3	12	12	-
CCBXH352B	**12.5**	8.9	2	340	15.2	51	4501	44.1	5.0	16	12	-
CCBXH352C	**14.3**	10.2	2	340	14.5	51	4295	58.8	6.6	16	12	-
CCBXH353A	**14.9**	10.6	3	510	19.5	53	7101	44.1	4.8	16	14	-
CCBXH353B	**18.6**	13.3	3	510	18.6	53	6751	66.1	7.2	16	14	-
CCBXH353C	**21.5**	15.3	3	510	17.7	53	6442	88.2	9.6	22	14	-
CCBXH354A	**19.6**	14.0	4	680	22.5	54	9468	58.8	6.3	16	14	-
CCBXH354B	**25.3**	18.0	4	680	21.4	54	9001	88.2	9.4	22	14	-
Fin spacing 4 mm, fan speed L												
CCBXL301A	**2.7**	1.9	1	68	7.2	42	1189	9.2	1.2	12	12	-
CCBXL301B	**3.4**	2.4	1	68	6.7	42	1116	13.8	1.8	12	12	-
CCBXL301C	**3.8**	2.7	1	68	6.4	42	1055	18.4	2.4	12	12	-
CCBXL302A	**5.4**	3.9	2	136	10.1	45	2378	18.4	2.1	12	12	-
CCBXL302B	**6.7**	4.8	2	136	9.5	45	2233	27.6	3.2	12	12	-
CCBXL302C	**7.5**	5.4	2	136	9.0	45	2110	36.7	4.2	16	12	-
CCBXL303A	**8.2**	5.8	3	204	12.4	47	3567	27.6	3.0	16	12	-
CCBXL303B	**10.1**	7.2	3	204	11.7	47	3349	41.3	4.6	16	12	-
CCBXL303C	**11.2**	8.0	3	204	11.0	47	3165	55.1	6.1	16	14	-
CCBXL304A	**10.9**	7.7	4	272	14.3	48	4756	36.7	4.0	16	14	-
CCBXL304B	**13.6**	9.6	4	272	13.5	48	4466	55.1	5.9	22	16	-

Model	Nominal capacities CO_2 DX		Blow-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC2		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBX	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 4 mm, fan speed H												
CCBXH401A	**6.0**	4.3	1	229	14.2	55	3152	16.5	2.1	12	10	-
CCBXH401B	**7.7**	5.5	1	229	13.4	55	2983	24.8	3.1	12	10	-
CCBXH401C	**8.5**	6.1	1	229	12.7	55	2829	33.1	4.1	12	12	-
CCBXH402A	**12.0**	8.6	2	458	20.0	58	6303	33.1	3.7	12	12	-
CCBXH402B	**15.5**	11.0	2	458	18.9	58	5965	49.6	5.6	16	14	-
CCBXH402C	**17.8**	12.7	2	458	18.0	58	5659	66.1	7.5	16	14	-
CCBXH403A	**18.0**	12.8	3	687	24.5	60	9455	49.6	5.4	16	16	-
CCBXH403B	**23.2**	16.6	3	687	23.2	60	8948	74.4	8.1	16	16	-
CCBXH403C	**25.7**	18.5	3	687	22.0	60	8488	99.2	10.8	16	16	-
CCBXH404A	**24.3**	17.3	4	916	28.3	61	12610	66.1	7.0	16	16	-
CCBXH404B	**29.6**	21.3	4	916	26.8	61	11930	99.2	10.6	16	16	-
CCBXH404C	**34.3**	24.7	4	916	25.4	61	11320	132.3	14.1	22	16	-
CCBXH501A	**12.5**	8.9	1	720	23.2	55	7100	31.2	3.7	12	12	-
CCBXH501B	**16.4**	11.7	1	720	22.1	55	6765	46.8	5.5	16	12	-
CCBXH501C	**19.1**	13.6	1	720	21.1	55	6466	62.5	7.4	16	12	-
CCBXH502A	**23.6**	17.0	2	1440	32.8	58	14200	62.5	6.8	16	16	-
CCBXH502B	**30.3**	21.9	2	1440	31.3	58	13530	93.7	10.2	16	16	-
CCBXH502C	**36.8**	26.5	2	1440	29.9	58	12930	124.9	13.6	22	16	-
CCBXH503A	**37.5**	26.8	3	2160	40.2	60	21300	93.7	9.9	22	16	-
CCBXH503B	**45.4**	32.9	3	2160	38.3	60	20300	140.5	14.9	22	16	-
CCBXH503C	**53.8**	38.8	3	2160	36.6	60	19400	187.4	19.9	22	18	-
CCBXH504A	**47.3**	34.1	4	2880	46.4	61	28400	124.9	13.1	22	18	-
CCBXH504B	**62.6**	45.0	4	2880	44.2	61	27060	187.4	19.6	22	22	-
Fin spacing 4 mm, fan speed L												
CCBXL501A	**9.9**	7.1	1	260	15.2	47	4651	31.2	3.7	12	12	-
CCBXL501B	**12.6**	9.0	1	260	14.4	47	4416	46.8	5.5	16	12	-
CCBXL501C	**14.3**	10.2	1	260	13.8	47	4209	62.5	7.4	16	12	-
CCBXL502A	**19.1**	13.7	2	520	21.5	50	9303	62.5	6.8	16	16	-
CCBXL502B	**23.9**	17.2	2	520	20.4	50	8833	93.7	10.2	16	16	-
CCBXL502C	**27.9**	20.0	2	520	19.5	50	8419	124.9	13.6	22	16	-
CCBXL503A	**29.8**	21.2	3	780	26.3	52	13950	93.7	9.9	22	16	-
CCBXL503B	**35.9**	25.9	3	780	25.0	52	13250	140.5	14.9	22	16	-
CCBXL503C	**41.2**	29.6	3	780	23.8	52	12630	187.4	19.9	22	18	-
CCBXL504A	**38.2**	27.4	4	1040	30.4	53	18610	124.9	13.1	22	18	-
CCBXL504B	**48.9**	35.1	4	1040	28.9	53	17670	187.4	19.6	22	22	-

Model	Nominal capacities CO_2 DX				Blow-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBX	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CCBXH251A	**1.8**	1.3	1.0	0.8	1	127	8.0	58	1213	4.6	1.0	8	10	-
CCBXH251B	**2.4**	1.7	1.4	1.1	1	127	7.8	58	1180	6.9	1.5	12	12	-
CCBXH251C	**2.9**	2.1	1.7	1.4	1	127	7.6	58	1151	9.2	2.0	12	12	-
CCBXH252A	**3.6**	2.5	2.0	1.7	2	254	11.3	61	2426	9.2	1.8	12	12	-
CCBXH252B	**4.8**	3.4	2.7	2.3	2	254	11.0	61	2361	13.8	2.6	12	12	-
CCBXH252C	**5.8**	4.1	3.3	2.7	2	254	10.7	61	2303	18.4	3.5	12	12	-
CCBXH253A	**5.4**	3.8	3.0	2.5	3	381	13.9	63	3639	13.8	2.5	12	12	-
CCBXH253B	**7.3**	5.1	4.1	3.4	3	381	13.5	63	3541	20.7	3.8	12	12	-
CCBXH253C	**8.7**	6.2	5.0	4.0	3	381	13.2	63	3454	27.6	5.1	16	12	-
CCBXH254A	**7.1**	5.1	4.0	3.3	4	508	16.0	64	4852	18.4	3.3	12	12	-
CCBXH254B	**9.6**	6.8	5.4	4.4	4	508	15.6	64	4722	27.6	4.9	12	12	-
CCBXH351A	**3.5**	2.5	2.0	1.6	1	170	11.7	48	2451	8.8	1.8	12	12	-
CCBXH351B	**4.8**	3.4	2.7	2.2	1	170	11.2	48	2360	13.3	2.8	12	12	-
CCBXH351C	**5.7**	4.0	3.2	2.7	1	170	10.9	48	2279	17.7	3.7	12	12	-
CCBXH352A	**7.1**	5.0	4.0	3.3	2	340	16.5	51	4901	17.7	3.3	12	12	-
CCBXH352B	**9.5**	6.8	5.4	4.4	2	340	15.9	51	4719	26.5	5.0	16	12	-
CCBXH352C	**11.4**	8.1	6.5	5.4	2	340	15.4	51	4559	35.4	6.6	16	12	-
CCBXH353A	**10.7**	7.6	6.0	4.9	3	510	20.2	53	7352	26.5	4.8	16	14	-
CCBXH353B	**14.2**	10.1	8.0	6.6	3	510	19.5	53	7079	39.8	7.2	16	14	-
CCBXH353C	**17.1**	12.2	9.8	7.8	3	510	18.8	53	6838	53.1	9.6	22	14	-
CCBXH354A	**14.2**	10.1	8.0	6.5	4	680	23.3	54	9802	35.4	6.3	16	14	-
CCBXH354B	**19.1**	13.6	10.8	8.7	4	680	22.5	54	9439	53.1	9.4	22	14	-
Fin spacing 7 mm, fan speed L														
CCBXL301A	**2.0**	1.4	1.1	0.9	1	68	7.5	42	1244	5.5	1.2	12	12	-
CCBXL301B	**2.6**	1.8	1.5	1.2	1	68	7.1	42	1187	8.3	1.8	12	12	-
CCBXL301C	**3.0**	2.2	1.7	1.4	1	68	6.8	42	1137	11.1	2.4	12	12	-
CCBXL302A	**3.9**	2.8	2.2	1.8	2	136	10.6	45	2488	11.1	2.1	12	12	-
CCBXL302B	**5.2**	3.7	2.9	2.4	2	136	10.1	45	2373	16.6	3.2	12	12	-
CCBXL302C	**6.1**	4.3	3.5	2.8	2	136	9.7	45	2274	22.1	4.2	16	12	-
CCBXL303A	**5.9**	4.2	3.2	2.6	3	204	13.0	47	3732	16.6	3.0	16	12	-
CCBXL303B	**7.7**	5.5	4.4	3.6	3	204	12.4	47	3560	24.9	4.6	16	12	-
CCBXL303C	**9.1**	6.5	5.2	4.2	3	204	11.9	47	3411	33.2	6.1	16	14	-
CCBXL304A	**7.8**	5.5	4.3	3.5	4	272	15.0	48	4976	22.1	4.0	16	14	-
CCBXL304B	**10.3**	7.3	5.6	4.6	4	272	14.3	48	4747	33.2	5.9	22	16	-

Model	Nominal capacities CO_2 DX				Blow-through AC fans 400/50/3							Connections		
	DT1 +2/-8 °C	SC2	SC3	SC4		fan power	air throw	sound pressure	air flow	coil surface	Int. volume	OD in	OD out	Stock model
CCBX	kW	kW	kW	kW	nr.	W	m	dB(A)	m^3/h	m^2	dm^3	mm	mm	
Fin spacing 7 mm, fan speed H														
CCBXH401A	**4.4**	3.1	2.4	2.0	1	229	14.7	55	3263	10.0	2.1	12	10	-
CCBXH401B	**5.9**	4.2	3.3	2.7	1	229	14.1	55	3137	14.9	3.1	12	10	-
CCBXH401C	**7.0**	5.0	3.9	3.2	1	229	13.6	55	3020	19.9	4.1	12	12	-
CCBXH402A	**8.8**	6.2	4.9	4.0	2	458	20.7	58	6527	19.9	3.7	12	12	-
CCBXH402B	**11.9**	8.4	6.7	5.5	2	458	19.9	58	6275	29.9	5.6	16	14	-
CCBXH402C	**14.2**	10.1	8.1	6.7	2	458	19.2	58	6041	39.8	7.5	16	14	-
CCBXH403A	**13.2**	9.3	7.4	6.0	3	687	25.4	60	9790	29.9	5.4	16	16	-
CCBXH403B	**17.8**	12.6	10.0	8.2	3	687	24.4	60	9412	44.8	8.1	16	16	-
CCBXH403C	**20.9**	15.0	11.8	9.6	3	687	23.5	60	9061	59.7	10.8	16	16	-
CCBXH404A	**17.7**	12.5	9.9	8.1	4	916	29.3	61	13050	39.8	7.0	16	16	-
CCBXH404B	**23.1**	16.5	12.9	10.5	4	916	28.2	61	12550	59.7	10.6	16	16	-
CCBXH404C	**27.9**	19.9	15.7	12.8	4	916	27.1	61	12080	79.6	14.1	22	16	-
CCBXH501A	**9.2**	6.5	5.1	4.2	1	720	23.9	55	7318	18.8	3.7	12	12	-
CCBXH501B	**12.5**	8.9	7.0	5.8	1	720	23.1	55	7062	28.2	5.5	16	12	-
CCBXH501C	**15.2**	10.8	8.6	7.1	1	720	22.3	55	6829	37.6	7.4	16	12	-
CCBXH502A	**17.8**	12.7	9.8	7.9	2	1440	33.8	58	14640	37.6	6.8	16	16	-
CCBXH502B	**23.9**	17.1	13.2	10.7	2	1440	32.6	58	14120	56.4	10.2	16	16	-
CCBXH502C	**29.7**	21.2	16.7	13.6	2	1440	31.6	58	13660	75.2	13.6	22	16	-
CCBXH503A	**27.5**	19.6	15.4	12.6	3	2160	41.4	60	21950	56.4	9.9	22	16	-
CCBXH503B	**35.8**	25.7	19.9	16.1	3	2160	40.0	60	21190	84.6	14.9	22	16	-
CCBXH503C	**43.8**	31.4	24.5	19.8	3	2160	38.6	60	20490	112.8	19.9	22	18	-
CCBXH504A	**35.6**	25.4	19.7	15.9	4	2880	47.8	61	29270	75.2	13.1	22	18	-
CCBXH504B	**48.7**	34.8	27.2	22.1	4	2880	46.1	61	28250	112.8	19.6	22	22	-
Fin spacing 7 mm, fan speed L														
CCBXL501A	**7.2**	5.1	4.0	3.3	1	260	15.8	47	4821	18.8	3.7	12	12	-
CCBXL501B	**9.6**	6.8	5.4	4.5	1	260	15.2	47	4639	28.2	5.5	16	12	-
CCBXL501C	**11.4**	8.1	6.5	5.4	1	260	14.6	47	4478	37.6	7.4	16	12	-
CCBXL502A	**14.1**	10.0	7.9	6.4	2	520	22.3	50	9642	37.6	6.8	16	16	-
CCBXL502B	**18.7**	13.3	10.5	8.5	2	520	21.4	50	9279	56.4	10.2	16	16	-
CCBXL502C	**22.6**	16.1	12.9	10.6	2	520	20.7	50	8956	75.2	13.6	22	16	-
CCBXL503A	**21.5**	15.3	12.1	9.9	3	780	27.3	52	14460	56.4	9.9	22	16	-
CCBXL503B	**28.0**	20.0	15.7	12.8	3	780	26.3	52	13920	84.6	14.9	22	16	-
CCBXL503C	**33.5**	24.0	19.0	15.6	3	780	25.3	52	13430	112.8	19.9	22	18	-
CCBXL504A	**28.1**	20.1	15.7	12.8	4	1040	31.5	53	19280	75.2	13.1	22	18	-
CCBXL504B	**37.8**	26.9	21.3	17.5	4	1040	30.3	53	18560	112.8	19.6	22	22	-

Model	Nominal capacities R404A		AC fans 400/50/3							coil	Int.	Connections OD	
	Capacity SC 15			fan power		sound pressure		air flow		surface	volume	in	out
AGS	D kW	Y kW	nr.	D W	Y W	D dB(A)	Y dB(A)	D m^3/h	Y m^3/h	m^2	dm^3	mm	mm
Noise level S													
AGS501A	20.7	19.1	1	690	490	51	48	7761	6804	29.3	3.3	16	16
AGS501B	25.9	23.7	1	690	490	51	48	7349	6391	43.9	4.9	16	16
AGS501C	29.0	26.0	1	690	490	51	48	6986	6036	58.6	6.5	18	18
AGS502A	41.6	38.6	2	1380	980	54	51	15520	13610	58.6	6.2	22	22
AGS502B	52.5	47.9	2	1380	980	54	51	14700	12780	87.8	9.3	28	28
AGS502C	58.1	52.2	2	1380	980	54	51	13970	12070	117.1	12.2	28	28
AGS503A	62.6	58.2	3	2070	1470	56	53	23280	20410	87.8	9.1	28	28
AGS503B	79.1	72.1	3	2070	1470	56	53	22050	19170	131.8	13.9	35	35
AGS503C	88.9	79.9	3	2070	1470	56	53	20960	18110	175.7	18.1	35	35
AGS504A	83.0	77.4	4	2760	1960	57	54	31040	27220	117.1	12.3	35	35
AGS504B	103.9	94.5	4	2760	1960	57	54	29400	25560	175.7	17.9	35	35
AGS504C	118.4	107.0	4	2760	1960	57	54	27940	24150	234.2	23.4	35	35
AGS631A	29.9	26.8	1	1250	840	51	46	11510	9607	40.7	4.6	18	18
AGS631B	37.9	33.4	1	1250	840	51	46	11000	9024	61.0	6.9	22	22
AGS631C	43.2	37.1	1	1250	840	51	46	10530	8517	81.3	9	22	22
AGS632A	60.4	54.0	2	2500	1680	54	49	23020	19210	81.3	8.8	28	28
AGS632B	76.1	66.8	2	2500	1680	54	49	22000	18050	122.0	13.5	35	35
AGS632C	86.2	73.8	2	2500	1680	54	49	21070	17030	162.7	17.4	35	35
AGS633A	89.0	79.4	3	3750	2520	56	51	34530	28820	122.0	13.2	35	35
AGS633B	115.0	101.3	3	3750	2520	56	51	33000	27070	183.0	19	35	35
AGS633C	131.1	112.5	3	3750	2520	56	51	31600	25550	244.0	25.6	42	42
AGS634A	121.3	109.3	4	5000	3360	57	52	46040	38430	162.7	16.9	35	35
AGS634B	152.7	133.8	4	5000	3360	57	52	43990	36100	244.0	25.3	42	42
AGS634C	172.8	147.8	4	5000	3360	57	52	42140	34070	325.3	32.9	42	42
AGS635A	151.8	136.8	5	6250	4200	58	53	57560	48040	203.3	21.4	42	42
AGS635B	192.7	169.1	5	6250	4200	58	53	54990	45120	305.0	32.4	54	54
AGS635C	218.4	187.0	5	6250	4200	58	53	52670	42590	406.6	41.9	54	54
AGS636A	181.3	163.9	6	7500	5040	58	53	69070	57640	244.0	26.7	54	54
AGS636B	231.5	203.7	6	7500	5040	58	53	65990	54140	366.0	38	54	54
AGS636C	263.3	225.6	6	7500	5040	58	53	63210	51100	488.0	49.3	54	54

Model	Nominal capacities R404A		AC fans 400/50/3							coil	Int.	Connections	
	Capacity SC 15			fan power		Sound pressure		air flow		surface	volume	OD in	OD out
AGL	D kW	Y kW	nr.	D W	Y W	D dB(A)	Y dB(A)	D m^3/h	Y m^3/h	m^2	dm^3	mm	mm
Noise level L													
AGL501A	15.5	14.2	1	260	190	39	37	4891	4268	29.3	3.3	16	16
AGL501B	19.1	17.2	1	260	190	39	37	4629	4008	43.9	4.9	16	16
AGL501C	20.5	18.2	1	260	190	39	37	4394	3779	58.6	6.5	18	18
AGL502A	31.2	28.5	2	520	380	42	40	9783	8536	58.6	6.2	22	22
AGL502B	38.4	34.5	2	520	380	42	40	9258	8016	87.8	9.3	28	28
AGL502C	41.0	36.3	2	520	380	42	40	8789	7559	117.1	12.2	28	28
AGL503A	47.7	43.7	3	780	570	44	42	14670	12800	87.8	9.1	28	28
AGL503B	57.7	51.9	3	780	570	44	42	13890	12020	131.8	13.9	35	35
AGL503C	62.9	55.8	3	780	570	44	42	13180	11340	175.7	18.1	35	35
AGL504A	62.5	57.1	4	1040	760	45	43	19570	17070	117.1	12.3	35	35
AGL504B	75.3	67.7	4	1040	760	45	43	18520	16030	175.7	17.9	35	35
AGL504C	84.3	74.8	4	1040	760	45	43	17580	15120	234.2	23.4	35	35
AGL631A	25.8	22.6	1	600	400	45	40	9009	7254	40.7	4.6	18	18
AGL631B	32.0	27.2	1	600	400	45	40	8460	6686	61.0	6.9	22	22
AGL631C	35.4	29.4	1	600	400	45	40	7983	6221	81.3	9.0	22	22
AGL632A	52.0	45.5	2	1200	800	48	43	18020	14510	81.3	8.8	28	28
AGL632B	63.9	54.1	2	1200	800	48	43	16920	13370	122.0	13.5	35	35
AGL632C	70.3	58.2	2	1200	800	48	43	15970	12440	162.7	17.4	35	35
AGL633A	76.4	67.3	3	1800	1200	50	45	27030	21760	122.0	13.2	35	35
AGL633B	97.1	82.5	3	1800	1200	50	45	25380	20060	183.0	19	35	35
AGL633C	107.5	88.9	3	1800	1200	50	45	23950	18660	244.0	25.6	42	42
AGL634A	105.2	91.2	4	2400	1600	51	46	36040	29020	162.7	16.9	35	35
AGL634B	128.0	108.4	4	2400	1600	51	46	33840	26740	244.0	25.3	42	42
AGL634C	140.8	116.4	4	2400	1600	51	46	31930	24880	325.3	32.9	42	42
AGL635A	131.6	115.2	5	3000	2000	52	47	45050	36270	203.3	21.4	42	42
AGL635B	161.9	137.2	5	3000	2000	52	47	42300	33430	305.0	32.4	54	54
AGL635C	178.1	147.4	5	3000	2000	52	47	39920	31100	406.6	41.9	54	54
AGL636A	157.9	138.6	6	3600	2400	52	47	54060	43530	244.0	26.7	54	54
AGL636B	195.0	165.6	6	3600	2400	52	47	50760	40120	366.0	38.0	54	54
AGL636C	215.5	178.1	6	3600	2400	52	47	47900	37320	488.0	49.3	54	54

Model	Nominal capacities R404A		AC fans 400/50/3							coil	Int.	Connections	
	Capacity SC 15			fan power		Sound pressure		air flow		surface	volume	OD in	OD out
AGQ	D kW	Y kW	nr.	D W	Y W	D dB(A)	Y dB(A)	D m^3/h	Y m^3/h	m^2	dm^3	mm	mm
Noise level Q													
AGQ501A	13.1	10.6	1	150	80	29	23	3763	2771	29.3	3.3	16	16
AGQ501B	15.7	12.3	1	150	80	29	23	3530	2589	43.9	4.9	16	16
AGQ501C	16.4	12.6	1	150	80	29	23	3327	2433	58.6	6.5	18	18
AGQ502A	26.2	21.2	2	300	160	32	26	7527	5542	58.6	6.2	22	22
AGQ502B	31.3	24.7	2	300	160	32	26	7060	5178	87.8	9.3	28	28
AGQ502C	32.8	25.1	2	300	160	32	26	6654	4866	117.1	12.2	28	28
AGQ503A	40.2	32.5	3	450	240	34	28	11290	8313	87.8	9.1	28	28
AGQ503B	47.1	37.1	3	450	240	34	28	10590	7767	131.8	13.9	35	35
AGQ503C	50.2	38.5	3	450	240	34	28	9981	7299	175.7	18.1	35	35
AGQ504A	52.5	42.4	4	600	320	35	29	15050	11080	117.1	12.3	35	35
AGQ504B	61.5	48.4	4	600	320	35	29	14120	10360	175.7	17.9	35	35
AGQ504C	67.6	51.7	4	600	320	35	29	13310	9732	234.2	23.4	35	35
AGQ631A	19.0	-	1	235	-	31	-	5537	-	40.7	4.6	18	18
AGQ631B	22.8	-	1	235	-	31	-	5248	-	61.0	6.9	22	22
AGQ631C	24.7	-	1	235	-	31	-	4993	-	81.3	9.0	22	22
AGQ632A	38.2	-	2	470	-	34	-	11070	-	81.3	8.8	28	28
AGQ632B	45.3	-	2	470	-	34	-	10500	-	122.0	13.5	35	35
AGQ632C	48.8	-	2	470	-	34	-	9986	-	162.7	17.4	35	35
AGQ633A	55.9	-	3	705	-	36	-	16610	-	122.0	13.2	35	35
AGQ633B	69.1	-	3	705	-	36	-	15740	-	183.0	19	35	35
AGQ633C	74.6	-	3	705	-	36	-	14980	-	244.0	25.6	42	42
AGQ634A	76.4	-	4	940	-	37	-	22150	-	162.7	16.9	35	35
AGQ634B	90.6	-	4	940	-	37	-	20990	-	244.0	25.3	42	42
AGQ634C	97.7	-	4	940	-	37	-	19970	-	325.3	32.9	42	42
AGQ635A	96.7	-	5	1175	-	38	-	27690	-	203.3	21.4	42	42
AGQ635B	114.7	-	5	1175	-	38	-	26240	-	305.0	32.4	54	54
AGQ635C	123.6	-	5	1175	-	38	-	24970	-	406.6	41.9	54	54
AGQ636A	116.6	-	6	1410	-	38	-	33220	-	244.0	26.7	54	54
AGQ636B	138.3	-	6	1410	-	38	-	31490	-	366.0	38.0	54	54
AGQ636C	149.4	-	6	1410	-	38	-	29960	-	488.0	49.3	54	54

Model	Nominal capacities R404A	AC fans 230/50/1						Connections	
	Capacity SC 15		fan power	sound pressure	air flow	coil surface	Int. volume	OD in	OD out
AGS	kW	nr.	W	dB(A)	m^3/h	m^2	dm^3	mm	mm
Noise level S									
AGS351A	7.6	1	145	36	2662	12.2	1.5	16	16
AGS351B	9.4	1	145	36	2490	18.3	2.2	16	16
AGS351C	10.4	1	145	36	2337	24.4	2.9	16	16
AGS352A	15.4	2	290	39	5323	24.4	2.6	16	16
AGS352B	18.8	2	290	39	4979	36.6	3.9	16	16
AGS352C	20.8	2	290	39	4675	48.8	5.1	16	16
AGS353A	23.2	3	435	41	7985	36.6	3.7	16	16
AGS353B	28.6	3	435	41	7469	54.9	5.6	18	18
AGS353C	31.5	3	435	41	7012	73.2	7.5	22	22
AGS501A	20.3	1	710	51	7512	29.3	3.3	16	16
AGS501B	25.3	1	710	51	7085	43.9	4.9	16	16
AGS501C	28.1	1	710	51	6702	58.6	6.5	18	18
AGS502A	40.8	2	1420	54	15020	58.6	6.2	22	22
AGS502B	51.3	2	1420	54	14170	87.8	9.3	28	28
AGS502C	56.4	2	1420	54	13400	117.1	12.2	28	28
AGS503A	61.5	3	2130	56	22540	87.8	9.1	28	28
AGS503B	77.2	3	2130	56	21260	131.8	13.9	35	35
AGS503C	86.3	3	2130	56	20110	175.7	18.1	35	35
AGS504A	81.4	4	2840	57	30050	117.1	12.3	35	35
AGS504B	101.3	4	2840	57	28340	175.7	17.9	35	35
AGS504C	115.0	4	2840	57	26810	234.2	23.4	35	35

Model	Nominal capacities R404A	AC fans 230/50/1						Connections	
	Capacity SC 15		fan power	sound pressure	air flow	coil surface	Int. volume	OD in	OD out
AGL	kW	nr.	W	dB(A)	m^3/h	m^2	dm^3	mm	mm
Noise level L									
AGL351A	5.6	1	65	27	1663	12.2	1.5	16	16
AGL351B	6.7	1	65	27	1539	18.3	2.2	16	16
AGL351C	7.1	1	65	27	1434	24.4	2.9	16	16
AGL352A	11.5	2	130	30	3326	24.4	2.6	16	16
AGL352B	13.2	2	130	30	3078	36.6	3.9	16	16
AGL352C	14.3	2	130	30	2868	48.8	5.1	16	16
AGL353A	17.1	3	195	32	4989	36.6	3.7	16	16
AGL353B	20.3	3	195	32	4618	54.9	5.6	18	18
AGL353C	21.6	3	195	32	4302	73.2	7.5	22	22
AGL501A	15.1	1	220	37	4671	29.3	3.3	16	16
AGL501B	18.4	1	220	37	4402	43.9	4.9	16	16
AGL501C	19.6	1	220	37	4165	58.6	6.5	18	18
AGL502A	30.3	2	440	40	9341	58.6	6.2	22	22
AGL502B	37.0	2	440	40	8804	87.8	9.3	28	28
AGL502C	39.3	2	440	40	8330	117.1	12.2	28	28
AGL503A	46.3	3	660	42	14010	87.8	9.1	28	28
AGL503B	55.6	3	660	42	13210	131.8	13.9	35	35
AGL503C	60.3	3	660	42	12490	175.7	18.1	35	35
AGL504A	60.6	4	880	43	18680	117.1	12.3	35	35
AGL504B	72.6	4	880	43	17610	175.7	17.9	35	35
AGL504C	80.8	4	880	43	16660	234.2	23.4	35	35
AGL631A	25.4	1	600	45	8746	40.7	4.6	18	18
AGL631B	31.3	1	600	45	8197	61.0	6.9	22	22
AGL631C	34.5	1	600	45	7726	81.3	9.0	22	22
AGL632A	51.1	2	1200	48	17490	81.3	8.8	28	28
AGL632B	62.5	2	1200	48	16390	122.0	13.5	35	35
AGL632C	68.6	2	1200	48	15450	162.7	17.4	35	35
AGL633A	75.6	3	1800	50	26240	122.0	13.2	35	35
AGL633B	95.1	3	1800	50	24590	183.0	19	35	35
AGL633C	104.9	3	1800	50	23180	244.0	25.6	42	42
AGL634A	103.3	4	2400	51	34980	162.7	16.9	35	35
AGL634B	125.2	4	2400	51	32790	244.0	25.3	42	42
AGL634C	137.3	4	2400	51	30900	325.3	32.9	42	42
AGL635A	129.3	5	3000	52	43730	203.3	21.4	42	42
AGL635B	158.4	5	3000	52	40980	305.0	32.4	54	54
AGL635C	173.7	5	3000	52	38630	406.6	41.9	54	54
AGL636A	155.2	6	3600	52	52480	244.0	26.7	54	54
AGL636B	190.9	6	3600	52	49180	366.0	38.0	54	54
AGL636C	210.3	6	3600	52	46360	488.0	49.3	54	54

Model	Nominal capacities R404A	AC fans 230/50/1						Connections	
	Capacity SC 15		fan power	sound pressure	air flow	coil surface	Int. volume	OD in	OD out
AGQ	kW	nr.	W	dB(A)	m^3/h	m^2	dm^3	mm	mm
Noise level Q									
AGL501A	13.0	1	130	27	3707	29.3	3.3	16	16
AGL501B	15.4	1	130	27	3462	43.9	4.9	16	16
AGL501C	16.1	1	130	27	3250	58.6	6.5	18	18
AGL502A	26.0	2	260	30	7413	58.6	6.2	22	22
AGL502B	31.0	2	260	30	6924	87.8	9.3	28	28
AGL502C	32.1	2	260	30	6499	117.1	12.2	28	28
AGL503A	39.8	3	390	32	11120	87.8	9.1	28	28
AGL503B	46.4	3	390	32	10390	131.8	13.9	35	35
AGL503C	49.3	3	390	32	9749	175.7	18.1	35	35
AGL504A	52.0	4	520	33	14830	117.1	12.3	35	35
AGL504B	60.6	4	520	33	13850	175.7	17.9	35	35
AGL504C	66.0	4	520	33	13000	234.2	23.4	35	35
AGL631A	19.0	1	140	38	5537	40.7	4.6	18	18
AGL631B	22.8	1	140	38	5248	61.0	6.9	22	22
AGL631C	24.7	1	140	38	4993	81.3	9.0	22	22
AGL632A	38.2	2	280	41	11070	81.3	8.8	28	28
AGL632B	45.3	2	280	41	10500	122.0	13.5	35	35
AGL632C	48.8	2	280	41	9986	162.7	17.4	35	35
AGL633A	55.9	3	420	43	16610	122.0	13.2	35	35
AGL633B	69.1	3	420	43	15740	183.0	19	35	35
AGL633C	74.6	3	420	43	14980	244.0	25.6	42	42
AGL634A	76.4	4	560	44	22150	162.7	16.9	35	35
AGL634B	90.6	4	560	44	20990	244.0	25.3	42	42
AGL634C	97.7	4	560	44	19970	325.3	32.9	42	42
AGL635A	96.7	5	700	45	27690	203.3	21.4	42	42
AGL635B	114.7	5	700	45	26240	305.0	32.4	54	54
AGL635C	123.6	5	700	45	24970	406.6	41.9	54	54
AGL636A	116.6	6	840	45	33220	244.0	26.7	54	54
AGL636B	138.3	6	840	45	31490	366.0	38.0	54	54
AGL636C	149.4	6	840	45	29960	488.0	49.3	54	54

Other Alfa Laval products

Industrial air coolers
In industrial refrigeration, standard commercial air cooler solutions often fall short, as every application has its own unique requirements. The Arctigo industrial air cooler platform offers an extremely wide range of single and dual discharge industrial air coolers and dedicated ranges for agricultural storage, shock cooling, banana ripening and data center cooling.

Industrial condensers and gas coolers
Alfa Laval's industrial air-cooled condensers for all HFO/HFC refrigerant and ammonia systems, in horizontal or vertical setup or as V-type condensers. Available with either copper or stainless steel tubing. The Alfa Laval condenser portfolio includes a variety of design options and accessories.

Industrial liquid coolers and Radiators (Alfa-V, AlfaBlue, FBL, AlfaSolar)
Our range covers dry coolers for HVAC & REF applications, radiators for heavy industrial cooling applications in process and power industries and dedicated ranges for transformer oil cooling. Our industrial liquid coolers are available with either copper or stainless steel tubing. We supply both standardized as well as fully customized industrial liquid coolers. The Alfa Laval product portfolio includes a variety of design options and accessories.

Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineered solutions.

Our equipment, systems and services are dedicated to helping customers optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.

Our worldwide organization works closely with customers in some 100 countries to help them stay ahead.

How to contact Alfa Laval

Up-to-date contact details for all countries are always available on our corporate website at www.alfalaval.com. You can also download product information and selection software.

www.alfalaval.com

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