

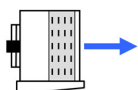


Alfa Laval Optigo CCB

Commercial unit coolers in blow-through design

General information & application

Optigo CCB is the blow-through variant from the Optigo CC range of commercial single discharge unit coolers for general application in small to medium-sized cooling and freezing rooms. The blow-through design results in an even air distribution in the cold room and less product dehydration, making these coolers especially suitable for storage of fresh products like fruits and vegetables. Dedicated ranges for HFO/HFC DX refrigerants (CCBE) and brine (CCBW).



Evaporating temperatures	+10 to -30 °C
Refrigerants	all HFO/HFC and brine
Capacities (SC2)	1.6 up to 55 kW
Air volume	1000 up to 30000 m³/h

Coil

Internally grooved Cu tubes and aluminium fins. Staggered tube pitch. All CCBE models fitted with a T-connection to improve refrigerant distribution and for hotgas defrost in coil.

cooler model	Fin spacing (mm)				
	4.0	5.5	7.0	10.0	12.0
CCB 300	✓	✓	✓		
CCB 350	✓	✓	✓		
CCB 400	✓	✓	✓		
CCB 500	✓	✓	✓	✓	✓

Casing

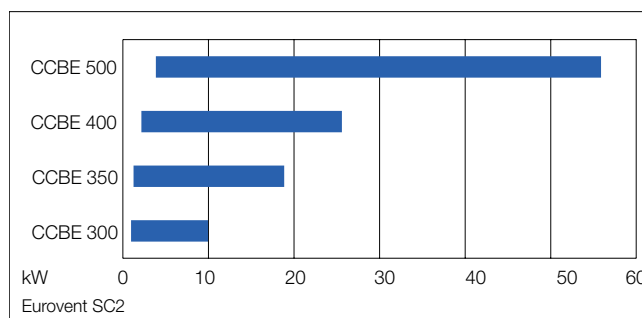
All casing parts made of durable sheet metal, epoxy coated RAL 9002. Top plate corrosion resistant Magnelis®. All models fitted with hinged side panels and aluminium drip tray. Drip tray is adjustable for perfect leveling. Removable internal drip tray for inspection and cleaning.

Fan motors

1 to 4 fans fitted with AC or EC fan motors available in two fan speeds (noise levels). Fan diameters 300, 350, 400 or 500 mm blowing through the coil. Fan motors 460/60/3 available as option. Fan motor details on reverse page.



Optigo CCB



Design pressure

Design pressure 40 bar (HFO/HFC) or 10 bar (brine). Each cooler is leak tested with dry air and supplied with a nitrogen pre-charge.

Benefits

- Eurovent certified performance (CCBE models only).
- Easy installation & maintenance. Vertically adjustable drip tray & removable inner drip tray.
- Energy efficient EC & AC fans.
- T-connection for hotgas in coil.
- Two-year product guarantee.
- Easy access to additional on-line product information (QR code).



Optigo CCB

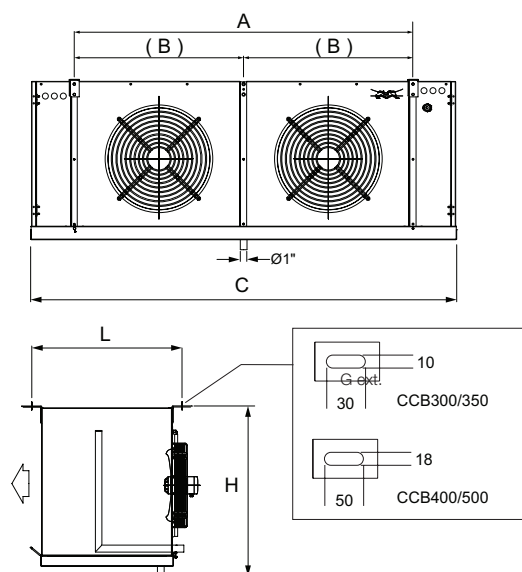
Options

- Defrost systems
 - Electric defrost (E)
 - Hotgas defrost in driptray (HG)
 - Electric heater element in driptray (HD)
- Driptray insulation (IS)
- Fan ring heater (FRH)
- Re-heating coil (RH)
- Fan motors wired to central terminal box (CB)
- Repair switch (SW)
- Casing material
 - Stainless steel casing and coil frame (SS)
- Coil corrosion protection
 - epoxy coated aluminium fins (EP)
 - cataphoresis treatment (CA)

cooler model	Dimensions (mm)					Shipping volume m³
	C	H	L	A	B	
CCB 301	811	482	609	508	-	0.5
CCB 302	1319	482	609	1016	-	0.7
CCB 303	1827	482	609	1524	-	1.0
CCB 304	2335	482	609	2032	1016	1.2
CCB 351	1046	606	651	600	-	0.7
CCB 352	1646	606	651	1200	-	1.0
CCB 353	2246	606	651	1800	-	1.5
CCB 354	2846	606	651	2400	1200	1.9
CCB 401	1046	665	651	600	-	0.8
CCB 402	1646	665	651	1200	-	1.2
CCB 403	2246	665	651	1800	-	1.6
CCB 404	2846	665	651	2400	1200	2.0
CCB 501	1297	854	902	850	-	1.7
CCB 502	2147	854	902	1700	-	2.7
CCB 503	2997	854	902	2550	-	3.7
CCB 504	3847	854	902	3400	1700	4.7

Fan motors 50 Hz

Fan diam.	Fan speed	Speed rpm	Nr. of poles	Volt V	Nr. of phases	Freq. Hz
300	H	1320	4	230	1	50-60
300	L	1300	4	400	3	50
350	H	1400	4	230	1	50-60
350	L	910	6	230	1	50-60
350	H	1370	4	230-400	3	50-60
400	H	1380	4	230	1	50-60
400	L	870	6	230	1	50-60
400	H	1400	4	400	3	50-60
400	L	970	4	400	3	50-60
500	H	1300	4	230	1	50-60
500	L	865	6	230	1	50-60
500	H	1390	4	400	3	50
500	L	920	6	400	3	50-60



Code description

CCB	E	H	E	50	1	2	A	S	230V	CR	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

- Commercial unit cooler
- Blow-through design
- Refrigerant system (E=HFO/HFC DX, W=brine)
- Fan speed (H= high speed, L=low speed)
- Fan motor type (blank=AC, E=EC)
- Fan diameter (30=300, 35=350, 40=400, 50=500 mm)
- Number of fans (1 to 4)
- CC version
- Tube rows code (A, B, C)
- No. of phases (S=1, T= 3)
- Motor voltage
- Packing (CR=crate)
- Casing material (PC=powder coated, SS=stainless steel)
- Defrost system (A=air defrost, E=electric defrost, HG=hotgas, HG+E=hotgas + electric defrost in driptray)
- Fin material (AL=aluminium, EP=epoxy coated aluminium, CA=cataphoresis)
- Fin spacing (4, 5.5, 7, 10, 12 mm)
- Tube material (CU=copper)
- Options

Selection

Selection and pricing is to be performed with our Alfa Laval air heat exchanger selection software. Selection output includes all relevant technical data and dimensional drawings.

Certifications

Eurovent certified performance only applies to models included in the scope of the programme. Check certificate validity on www.eurovent-certification.com. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to PED regulations.



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How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com