

Optigo CD

Commercial air coolers - dual discharge

General information & application

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 and processing rooms. Dedicated ranges for brine (CDW) and CO₂ DX (CDX) application.

Evaporating temperatures +10 to -30 °C

Refrigerants CO₂, brine

Capacities (SC2) 0.8 up to 16.5 kW

Air volume 615 up to 8400 m³/h

Coil

Innovative coil manufactured from internally grooved Cu tubes and aluminium fins. Staggered tube pitch.

cooler model	Available fin spacings (mm)			
	4.0	5.5	7.0	10.0
CDW 300	✓	✓	✓	
CDW 400	✓	✓	✓	✓
CDX 300	✓	✓	✓	
CDX 400	✓	✓	✓	

Casing

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.

Fan motors

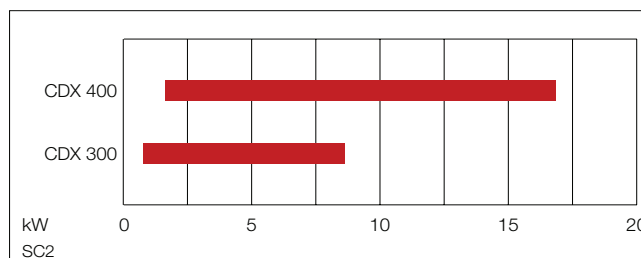
1 to 4 fans fitted with AC or EC fan motors available in two fan speeds (noise levels). Fan diameters 300 or 400 mm blowing through the coil. Fan motors 460/60/3 available as option. Fan motor details on reverse page.

Design pressure

Design pressure 10 bar (brine, model CDW) or 80 bar (CO₂, model CDX). Each heat exchanger is leak tested with dry air and finally supplied with a nitrogen pre-charge.



Optigo CD



Benefits

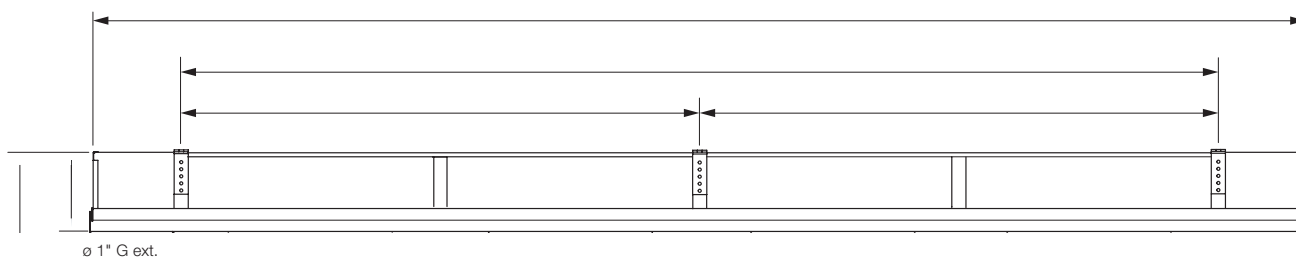
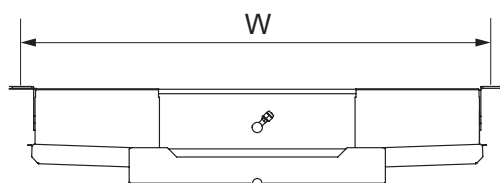
- Available from stock.
- Compact size for efficient use of cold room space.
- Low air velocity and low noise for comfortable working conditions.
- Energy efficient EC fans.
- Easy-install and maintenance thanks to fully accesable casing construction.
- Two-year product guarantee.
- Easy access to additional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



Optigo CD

Options

- Electric defrost (E)
- Drip tray insulation - CD400 only (IS)
- Re-heating coil - CD300 only (RH)
- Fan motors wired to central terminal box (CB)
Standard for EC fan motors
- Repair switch - CD400 only (SW)
- Fan motor 460/60/3
- Casing material
 - Stainless steel casing and coil frame (SS)
- Coil corrosion protection
 - epoxy coated aluminium fins (EP)
 - cathaphoresis treatment (CA)



ø 1" G ext.

Fan motors

Fan diam.	Fan speed	Speed rpm	Poles nr.	Volt V	Phases nr.	Freq. Hz	AC/EC
300	H	1300		230	1	50-60	EC
300	L	900		230	1	50-60	EC
300	H	1320	4	230	1	50-60	AC
300	H	1300	4	400	3	50-60	AC
400	H	1250	4	230	1	50	AC/EC
400	L	950	6	230	1	50	AC/EC
400	H	1440	4	400	3	50	AC
400	L	900	6	400	3	50	AC
400	H	1450	4	230	1	50	AC/EC
400	L	1100	6	230	1	50	AC/EC
400	H	1670	4	400	3	50	AC
400	L	970	6	400	3	50	AC

cooler model	Dimensions (mm)					
	L	W	H1	H2	M	M1
CD 301	949	1012	170	203	550	-
CD 302	1499	1012	170	203	1100	-
CD 303	2049	1012	170	203	1650	-
CD 304	2599	1012	170	203	2200	1100
CD 401	1121	1160	350	400	820	-
CD 402	1910	1160	350	400	1609	-
CD 403	2700	1160	350	400	2399	-

Code description

CD	W	H	E	40	2.2	BS	*	BOP	PCA	CB	-	AL	7.0	CU	IS		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

- Commercial air cooler - dual discharge
- Refrigerant system (W=brine, X=CO₂ DX)
- Fan speed (H=high speed, L=low speed)
- Fan motor type (blank=AC, E=EC)
- Fan diameter (30=300, 40=400 mm)
- Number of fans (1 to 4)
- CD version
- Tube rows code (B, C)
- No. of phases (S=1, T=3)
- No. of circuits
- Packing (BOP=box + pallet, CR=crate)
- Casing material (PC=epoxy coated aluminium, SS=stainless steel)
- Defrost system (A=air defrost, E=electrical defrost)
- Connection box (blank=without connection box, CB/CBM=with connection box)
- Fin material (AL=aluminium, EP=epoxy coated aluminium, CA=cathaphoresis)
- Fin spacing (4.0, 5.5, 7.0, 10.0 mm)
- Tube material (CU=copper)
- Options

Selection

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

Certifications

The Alfa LU-VE quality system is in accordance with ISO 9001. All products are manufactured according to PED regulations.



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How to contact Alfa LU-VE

Up-to-date Alfa LU-VE contact details for all countries are always available on our website at alfa.luvegroup.com