

Alfa Laval 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 HFO/HFC DX refrigerants (CDE), brine (CDW) and CO₂ DX (CDX). A selection of Optigo CD air coolers is available from stock.

Evaporating temperatures	+10 to -30 °C
Refrigerants	all HFO/HFC, CO ₂ and brine
Capacities (SC2)	0.8 up to 16.5 kW
Air volume	615 up to 8400 m ³ /h

Coil

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

cooler model	Fin spacing (mm)			
	4.0	5.5	7.0	10.0
CDE/CDW 300	✓	✓	✓	
CDE 400	✓	✓	✓	
CDW 400	✓	✓	✓	✓
CDX 300	✓	✓	✓	
CDX 400	✓	✓	✓	

Casing

Durable aluminium alloy casing, powder epoxy coated RAL 9002. Hinged lateral driptrays 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

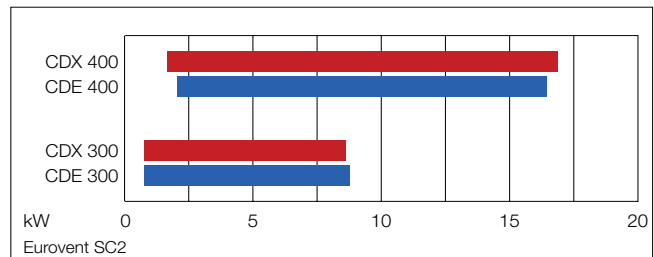
1 to 4 fans fitted with AC or EC fan motors available in two fan speeds (noise levels). Fan diameters 300 or 400 mm blowing through the coil. Fan motors 460/60/3 available as option. Fan motor details on reverse page.

Design pressure

Design pressure 40 bar (HFO/HFC, model CDE), 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.
- Eurovent certified performance (CDE models only).
- Energy efficient EC fans.
- Easy-install and maintenance thanks to fully accessible casing construction.
- Two-year product guarantee.
- Easy access to additional on-line product information (QR code).

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
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Калининград (4012)72-03-81
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Севастополь (8692)22-31-93
Симферополь (3652)67-13-56

Смоленск (4812)29-41-54
Сочи (862)225-72-31
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Сургут (3462)77-98-35
Тверь (4822)63-31-35
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Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Казахстан (772)734-952-31

Таджикистан (992)427-82-92-69

Эл. почта: afm@nt-rt.ru || Сайт: <http://alfa-laval.nt-rt.ru>

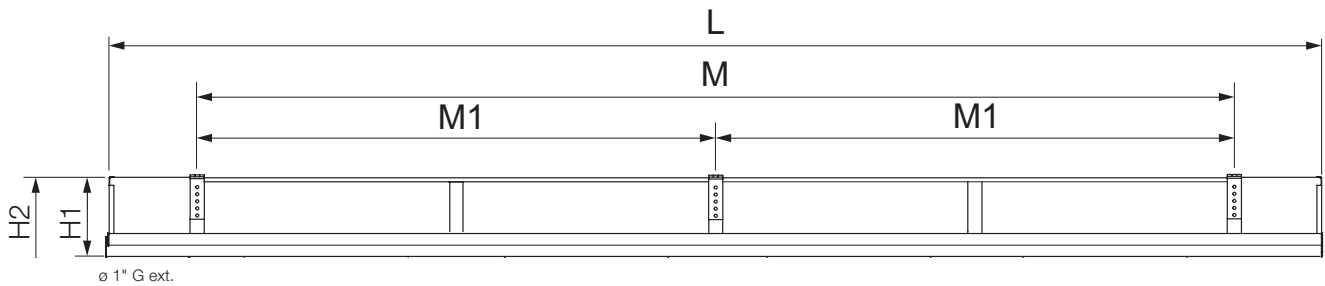
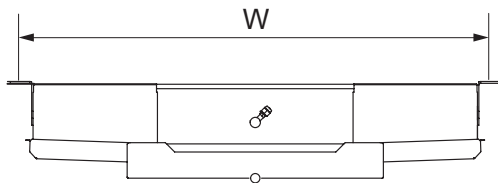
Options

- 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)
 - cataphoresis treatment (CA)

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	-



ø 1" G ext.

Code description

C	D	E	H	E	40	2	B	S	230V	BOP	P	C	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		

- Commercial air cooler - dual discharge
- Refrigerant system (E=HFO/HFC DX, W=brine, X=CO₂DX)
- 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)
- Tube rows code (B, C)
- CD version
- No. of phases (S=1, T=3)
- Motor voltage
- 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=cataphoresis)
- 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 Laval air heat exchanger selection software. Selection output includes all relevant technical data and dimensional drawings.

Certifications

Eurovent certified performance for models included in the scope of the programme. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to PED regulations.

