

Cooling Your Daily Life®



Stainless steel tubes

Design pressure

Refrigerant	Max working pressure
HFC*	24 bar
CO ₂	45-60 bar
Brine	10 bar

* Fluid group 2 according to EN 378

Each heat exchanger is leak tested with dry air and finally supplied with a dry air pre-charge. Fitted with schröder valve on the suction connection for testing purposes (only for HFC units).



CDX, CDB

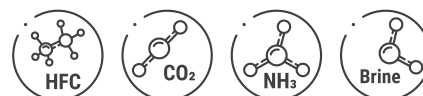
Benefits

- Very low refrigerant charge
- Very low energy consumption
- Reduced height
- Wide product range and accessories
- Two-year product guarantee

General information & application

CDX, CDB is the range of high performance dual discharge industrial air coolers from Aia LU-VE, for cold rooms in industrial applications.

Refrigerants



Capacity range (SC2 with R404)
Air quantity

8 up to 125 kW
4,800 up to 42,800 m³/h

Coil

The very high-efficiency TURBOCOIL® heat exchangers have the best power/cost ratio obtainable.

- High-efficiency TURBOFIN® aluminum fins with special configuration of the louvre profile to reduce dehumidification and frost formation.
- High-efficiency small-diameter copper tubes with internal helical grooving, designed for optimal evaporation of the new refrigerant fluids.

Standard fin spacings 4.5, 6, 7.5 and 10 mm.

Casing

Corrosion-resistant galvanized steel casing with epoxy-polyester powder coating RAL 9003. Resistant against corrosion and easy to keep clean.

Fan motors

1 to 4 fans fitted with high-efficiency AC or EC fan motors with incorporated thermal protection. Available in 3 fan diameters (450, 500 and 630 mm) drawing through the coil. The series is available in a low-noise and low-energy model (CD45) and also a slim model with buliding height 395 mm.

Options

- Electric defrost (E)
- Hot gas defrost in heat exchanger and electric in drip tray (G)
- Hot gas defrost for both coil and drain tray (GB)
- Hinged fan shroud
- Corrosion protection: precoated aluminium fins
- Drip tray insulation

Selection

Selection and pricing is to be performed with our air heat exchanger selection software AiaCalc.

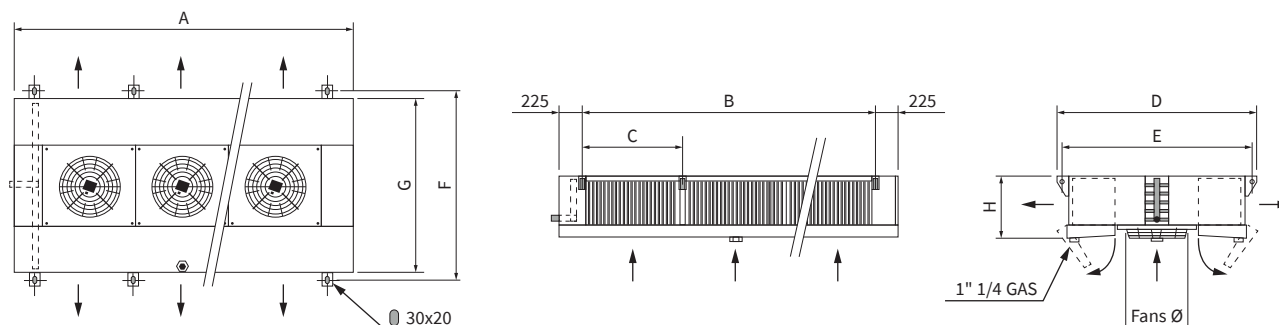
Selection output includes all relevant technical data and dimensional drawings.



CDX, CDB

Dual discharge industrial air coolers

Dimensions



CD45

Fans Ø (mm)	Fin spacing (mm)	No. fans	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
450	4.5 - 6.0 - 7.5	1	1250	800	-	1405	1355	1355	1280	395
450	4.5 - 6.0 - 7.5	2	2050	1600	-	1405	1355	1355	1280	395
450	4.5 - 6.0 - 7.5	3	2850	2400	800	1405	1355	1355	1280	395
450	4.5 - 6.0 - 7.5	4	3650	3200	1600	1405	1355	1355	1280	395

CD50/52

Fans Ø (mm)	Fin spacing (mm)	No. fans	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
500	4.5 - 6 - 7.5 - 10.0	1	1250	800	-	1405	1355	1355	1280	515
500	4.5 - 6 - 7.5 - 10.0	2	2050	1600	-	1405	1355	1355	1280	515
500	4.5 - 6 - 7.5 - 10.0	3	2850	2400	800	1405	1355	1355	1280	515
500	4.5 - 6 - 7.5 - 10.0	4	3650	3200	1600	1405	1355	1355	1280	515

CD63/64

Fans Ø (mm)	Fin spacing (mm)	No. fans	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
630	4.5 - 6 - 7.5 - 10.0	1	1650	1200	-	1825	1775	1775	1700	475
630	4.5 - 6 - 7.5 - 10.0	2	2850	2400	-	1825	1775	1775	1700	475
630	4.5 - 6 - 7.5 - 10.0	3	4050	3600	1200	1825	1775	1775	1700	475
630	4.5 - 6 - 7.5 - 10.0	4	5250	4800	2400	1825	1775	1775	1700	475

Certifications

The Aia LU-VE quality system is in accordance with ISO 9001. All products are manufactured according to PED regulations. LU-VE Group participates in the ECP program for HE. Check ongoing validity of certificate*: www.eurovent-certification.com



*Ammonia and Brine refrigerants are not covered by Eurovent certification

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Aia LU-VE is a trademark registered and owned by LU-VE Group. Aia LU-VE reserves the right to change specifications without prior notification.

Code description

CD	63	H	8608	E	6
1	2	3	4	5	6

- CDX (C=Compact, D=Dual discharge) X air cooler
- CDB (C=Compact, D=Dual discharge) Brine air cooler
- Fan 45=Ø 450 mm, 50/52=500 mm, 63/64=Ø 630 mm
- H=Hitec®
- Model
- N=Air defrost, E=Electric defrost, G=Hot gas defrost for the coil and electric defrost for the drain tray, GB=Hot gas defrost for both coil and drain tray
- Fin spacing: 4=4.5 mm, 6=6.0 mm, 7=7.5 mm, 10=10.0 mm (Cold rooms: 4.5, 6.0, 7.5 and 10 mm, Freezing rooms: 7.5 and 10.0 mm)

