

Cooling Your Daily Life®



Benefits

- Heavy duty design with high corrosion resistance
- Design guarantees no stress damages occur due to thermal movements
- Favorable capacity/footprint ratio
- Reliable performance
- Easy installation & maintenance
- Energy efficient: low total cost of ownership
- Two-year product guarantee
- Easy access to additional on-line product information

General information & application

The X3 series is a of modular based liquid coolers optimized for best balance between environment, economy and performance.

The tube configuration is designed to work in a perfect harmony with modern environmentally friendly brine refrigerants in different applications such as air-conditioning, process, commercial and industrial cooling.

The design with the brilliant Gliding Coil-concept, guarantees that no stress damages occur due to thermal movements. The wide range of EC fans and control systems make it suitable for both silent operation in residential areas and maximized performance in industrial areas.

Refrigerant



Capacity range (EN 1048)

35 kW up to 1 MW

Finned coil

The coil design provides excellent heat transfer. Fitted with copper tubing and aluminium fins. Standard fin spacing 2.1 mm.

Construction

Frame construction prevents vibration and allows thermal expansion. Galvanized steel casing, powder coated RAL 7045. Corrosion class C4-H.

Fan motors

High efficiency AC or EC fan motors, available in different fan diameters (800, 910 and 1,000 mm) and noise levels. AC fans power supply 400 V/50 Hz/3 ph, protection class IP54. EC fans power supply 380-480 V/50-60 Hz/3 ph, protection class IP55. Motors are electrically connected to standard LSS – lockable service switches.

Design pressure

Design pressure 10 bar. Each heat exchanger is leak tested with dry air.

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.

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*:

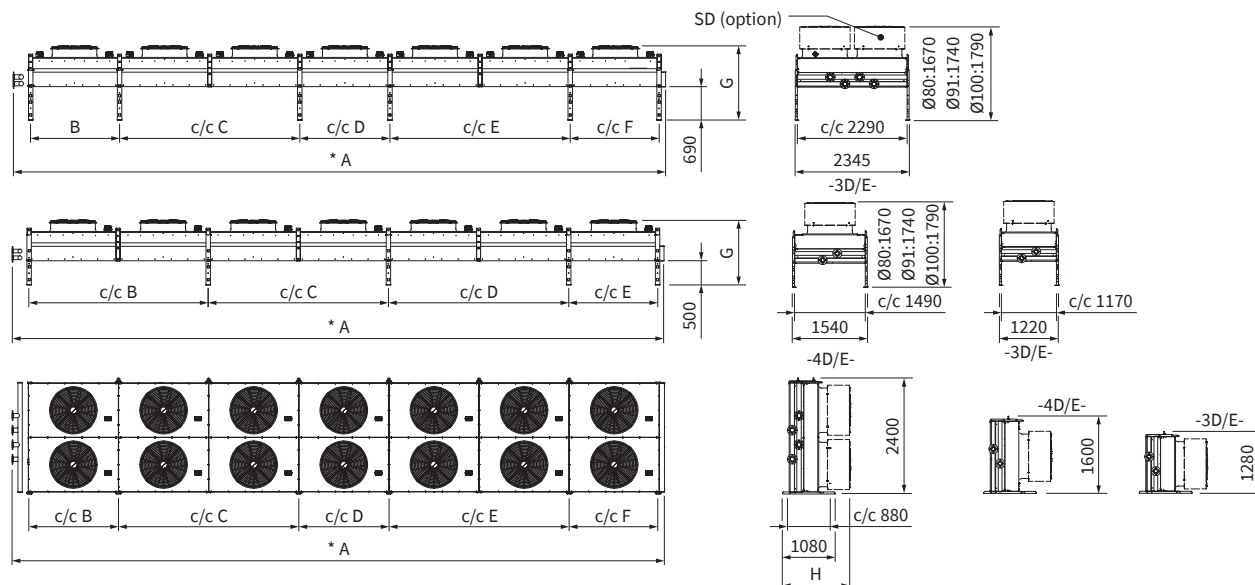
www.eurovent-certification.com

*Brine refrigerant is not covered by Eurovent certification



X3

Industrial dry coolers



Dimensions

Size	Module -D- / -E-						G	H
	A	B	C	D	E	F		
1	2300 / 2605	1798 / 2106	-	-	-	-	Ø80: 1350; Ø91: 1350; Ø100: 1385	Ø80: 1310; Ø91: 1375; Ø100: 1425
2	4145 / 4765	3647 / 4263	-	-	-	-	Ø80: 1350; Ø91: 1350; Ø100: 1385	Ø80: 1310; Ø91: 1375; Ø100: 1425
3	5995 / 6920	3673 / 4289	1824 / 2132	-	-	-	Ø80: 1350; Ø91: 1350; Ø100: 1385	Ø80: 1310; Ø91: 1375; Ø100: 1425
4	7845 / 9080	3673 / 4289	3673 / 4289	-	-	-	Ø80: 1350; Ø91: 1350; Ø100: 1385	Ø80: 1310; Ø91: 1375; Ø100: 1425
5	9695 / 11235	3673 / 4289	1849 / 2157	3673 / 4289	-	-	Ø80: 1350; Ø91: 1350; Ø100: 1385	Ø80: 1310; Ø91: 1375; Ø100: 1425
6	11545 / 13390	3673 / 4289	3698 / 4314	3673 / 4289	-	-	Ø80: 1350; Ø91: 1350; Ø100: 1385	Ø80: 1310; Ø91: 1375; Ø100: 1425
7	13390 / -	3673 / -	3698 / -	3698 / -	1824 / -	-	Ø80: 1350; Ø91: 1350; Ø100: 1385	Ø80: 1310; Ø91: 1375; Ø100: 1425
22	4145 / 4765	3647 / 4263	-	-	-	-	Ø80: 1540; Ø91: 1540; Ø100: 1575	Ø80: 1310; Ø91: 1375; Ø100: 1425
23	5995 / 6920	3673 / 4289	1824 / 2132	-	-	-	Ø80: 1540; Ø91: 1540; Ø100: 1575	Ø80: 1310; Ø91: 1375; Ø100: 1425
24	7845 / 9080	3673 / 4289	1849 / 2157	1824 / 2132	-	-	Ø80: 1540; Ø91: 1540; Ø100: 1575	Ø80: 1310; Ø91: 1375; Ø100: 1425
25	9695 / 11235	3673 / 4289	1849 / 2157	3673 / 4289	-	-	Ø80: 1540; Ø91: 1540; Ø100: 1575	Ø80: 1310; Ø91: 1375; Ø100: 1425
26	11545 / 13390	1824 / 2132	3698 / 4314	3698 / 4314	1824 / 2132	-	Ø80: 1540; Ø91: 1540; Ø100: 1575	Ø80: 1310; Ø91: 1375; Ø100: 1425
27	13390 / -	1824 / -	3698 / -	1849 / -	3698 / -	1824 / -	Ø80: 1540; Ø91: 1540; Ø100: 1575	Ø80: 1310; Ø91: 1375; Ø100: 1425

Options

- Coil protection:
 - Coated aluminium fins (ALU-Plus)
 - AlMg 2.5 fins
 - Copper fins (CU)
- Wider fin spacing - on request
- Casing coated in other colors - Paint Customer (PC)
- Lockable service switches including auxiliary contacts (LSX)
- EC-Communication System with fan speed regulation by 0-10 V signal (ECC)
- Common connection cabinet including main switch and MCB's (JBS2)
- Junction box including auxiliary contacts wired to terminal (WAC)
- Auxiliary contacts wired to terminal in the cabinets ECC and JBS2 (WAC2)
- Fan sectioning (FS)

- Headers covered (HC)
- Sound damper Whisperer, reduce up to 5 dB (SD)
- Dri-Batic water spray system including tubes, nozzles fixing details (delivered separately) (DB0)
- Dri-Batic water spray system kit and cabinet including filter, valves and pressure gauge (DB1)

Code description

X3	-	D	-	91	Q2	L	-	24	-	3D	-	4	B1	-	V	-	610	-	56	-	*
1		2		3	4	5		6		7		8	9		10		11		12		13

- X3
- Dry cooler
- Fan diameter (80=800 mm, 91=910 mm, 100=1000 mm)
- Fan variant (Q1, Q2, Q3, Q4)
- Fan model (A=AC, L=EC)
- Size (1st digit: no. of coils, 2nd digit: no. of fans)
- Module type (3A, 3B, 3C, 3D)
- No. of rows in depth
- Fin spacing (B1=2.1 mm)
- Installation (V=Vertical airflow, H=Horizontal airflow)
- Fan speed
- No. of circuits
- Options

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Aia LU-VE reserves the right to change specifications without prior notification.

