

Cooling Your Daily Life®



Benefits

- Heavy duty design with high corrosion resistance
- Available with easily cleanable industrial fins
- 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

VX3-series is a modular based liquid cooler optimized for best balance between environment, economy and performance.

The tube configuration of VX3 is designed to work in a perfect harmony with modern environmental friendly brine coolants in different applications like air-conditioning, process, commercial and industrial cooling.

The brilliant design 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)

150 kW up to 1,8 MW

Finned coil

The coil design provides excellent heat transfer. Fitted with copper tubing and aluminium fins. Standard fin spacing 2.1 and 2.4 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 (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*:

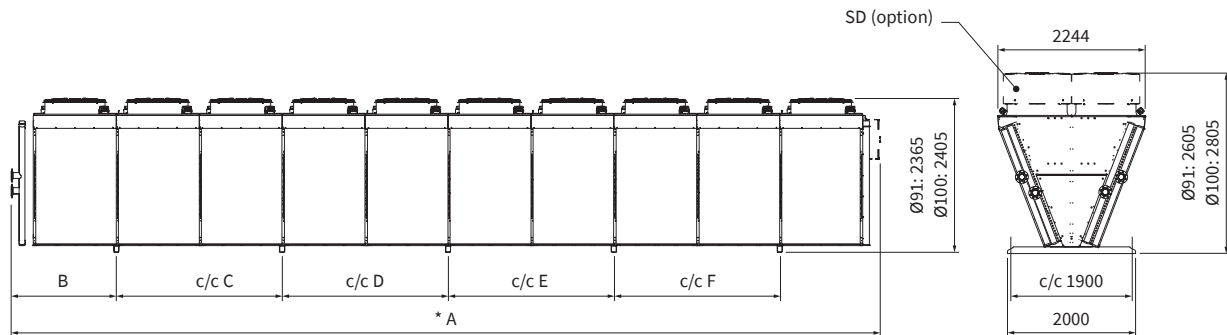
www.eurovent-certification.com

*Brine refrigerant is not covered by Eurovent certification



VX3

Industrial V-type dry coolers



Dimensions

Size	Module 3C/4C					
	A	B	C	D	E	F
22	3243	350	2524	-	-	-
23	4505	350	3786	-	-	-
24	5767	1609	2524	-	-	-
25	7029	350	2524	1262	2524	-
26	8291	1609	2524	2524	-	-
27	9553	1609	2524	1262	2524	-
28	10815	1609	2524	2524	2524	-
29	12077	1609	2524	3786	2524	-
210	13339	1609	2524	2524	2524	2524

Size	Module 3D/4D				
	A	B	C	D	E
22	3524	350	2804	-	-
23	4926	350	4206	-	-
24	6328	1752	2804	-	-
25	7730	350	2804	1402	2804
26	9132	1752	2804	2804	-
27	10534	1752	2804	1402	2804
28	11936	1752	2804	2804	2804
29	13338	1752	2804	4206	2804

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 and nozzles pre-mounted from factory, up to 500 hours (DB0)
- Dri-Batic water spray system kit and cabinet including filter, valves and pressure gauge, up to 500 hours (DB1)

Code description

VX3	-	D	-	91	Q1	L	-	29	-	4D	-	5	B1	-	900	-	288	-	*
1		2		3	4	5		6		7		8	9		10		11		12

- VX3
- Dry cooler
- Fan diameter (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 (3C/3D, 4C/4D)
- No. of rows in depth
- Fin spacing (B1=2.1, B2=2.4)
- Fan speed
- No. of circuits
- Options

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

