



Alfa Laval Airmax II

Industrial air coolers - single discharge

General information & application

Alfa Laval Airmax II is a wide and flexible range of industrial air coolers for both cooling and freezing applications in medium to large cold rooms. This industrial line is designed to keep fresh and frozen goods refrigerated from +30 to -40 °C, with either high or low humidity content.

The Airmax II range offers a wide variety of coil configurations, fan diameters, fin spacings and a long list of options, always allowing to select the best model to suit all applications in industrial cooling installations.

Refrigerants	all H(C)FC, brine
Capacities (SC2)	5 up to 180 kW
Air volume	7300 up to 126100 m ³ /h



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Standard configuration

- Finned coil
 - H(C)FC DX: inner grooved Cu tubing \varnothing 12 mm
 - H(C)FC pumped system: smooth Cu tubing \varnothing 16 mm
 - Brine: smooth Cu tubing \varnothing 16 mm
 - Triangular tube pitch
 - Corrugated Alu-fins
 - Fin spacings 4, 5, 6, 7, 8, 10 & 11 mm. 12 mm fin spacing available for brine and pumped models.
- 1 to 5 Fans, \varnothing 500 mm up to \varnothing 800 mm, drawing trough the coil. Fan motors 400/50-60/3, two noise levels (H/L). Motors with dynamically and statically balanced external rotors, manufactured in accordance with VDE 0530/12.84. Integrated thermo contacts (Clickson) provide reliable protection against thermal overload.
- Available for dry expansion DX or pumped system.
- Corrosion resistant materials: coil frame AluZinc, casing pre-galvanized sheetsteel, powder coated RAL 9002.
- Large, deep drip tray allows fast discharge of defrost water.
- Mounting supports have two different positions (flush to ceiling or extra space) to enable installation of a water defrost cassette.
- Hinged drip tray & side plates for easy installation and maintenance.
- Fitted with schröder valve on the suction connection for testing purposes.

- Stickers indicate fan direction and refrigerant in/out.
- Delivery in mounting position. Coolers are mounted on wooden beams. Installation can take place with use of a forklift.

Design pressure

Design pressures H(C)FC DX 33 bar or brine 6 bar. Each heat exchanger is leak tested with dry air and finally supplied with a nitrogen pre-charge.



Large drip tray

Benefits

- Exceptionally wide & versatile cooler range, designed for all working conditions.
- Advanced product selection software available.
- Heavy duty coil & casing materials.
- Eurovent certified performance (HFC DX models only).
- Long air throw
- Energy efficient.
- Low total cost of ownership.
- 18 months product guarantee.
- Easy access to additional on-line product information (QR code)

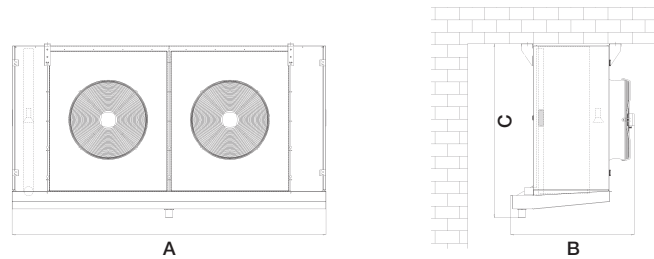


Airmax II

Options

- Defrost systems
 - Electric defrost (E)
 - Light electric defrost (LE)
 - Hotgas defrost in coil & drip tray (HG)
(DX & pumped models only)
 - Water defrost (W)
 - Combined defrost systems
- Drip tray insulation (IS)
Not combined with electric defrost
- AlfaStreamer (ST, only for 500/630/800 fans)
- Air sock adapter ring (SR)
- Fan ring heater (FH)
- Fan motors wired to a terminal box (CB)
- Safety switch (SW)
- Stainless steel 304 casing & coil frame (SS)
Standard available for fan diameters up to 500 mm, stainless steel casing for larger models on request.
- Floor mounting supports (Feet)
- Epoxy coated fins (EP)

Model	Fans no.	Dimensions (mm)		
		A	B	C
501	1	1430	807	945
502	2	2280	807	945
503	3	3130	807	945
504	4	3980	807	945
505	5	4830	807	945
561	1	1580	1003	1200
562	2	2580	1003	1200
563	3	3580	1003	1200
564	4	4580	1003	1200
565	5	5580	1003	1200
631	1	1580	1025	1441
632	2	2580	1025	1441
633	3	3580	1025	1441
634	4	4580	1025	1441
635	5	5580	1025	1441
801	1	1780	1145	1684
802	2	2980	1145	1684
803	3	4180	1145	1684
804	4	5380	1145	1684



Code description

ILB	E	L	50	2	C	D	400V	CR	GP	E	-	AL	10.0	Cu	IS	L
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15	16

- 1 Airmax II series (ILB/ILG/ILR, depending on fin spacing)
- 2 Refrigerant system (E = dry expansion, W=water/glycol,
- 3 Noise level (H=high, L=low)
- 4 Fan diameter (50=500, 56=560, 63=630, 80=800 mm)
- 5 Number of fans (1 to 5)
- 6 No. of tube rows (A=4, B=5, C=6, D=7)
- 7 Phases (S= single phase, D= 3 phases Δ connection)
- 8 Motor voltage (230V, 400V)
- 9 Packing (CR=crate)
- 10 Casing material (GP= powder coated, SS= stainless steel)
- 11 Defrost system (A= air, E= electric, HG= hotgas, W= water)
- 12 Fin material/coating (AL=aluminium, EP= epoxy coated aluminium)
- 13 Fin spacing (4, 5, 6, 7, 8, 10 and 11 mm)
- 14 Tube material (Cu=copper)
- 15 Extra options
- 16 Connection side (L=left, R=right)

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

All DX cooler models are "Eurovent Certify All" certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED regulations.



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How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com