



AlfaBlue Junior DG

Dry coolers – commercial range

General information & application

In addition to the well-proven AlfaBlue dry cooler line, the new generation of AlfaBlue Junior commercial dry coolers is a competitive product line of robust construction and high rigidity, that has every feature you need.

AlfaBlue Junior offers excellent performance especially at low air flow rates, allowing easy installation on site and an outstanding integration with other components. Highly efficient fan motors combine excellent sound characteristics and low energy consumption.

AlfaBlue Junior dry coolers are often used for cooling down condenser water in air-conditioning and refrigeration installations. In the processing industry, dry coolers are suitable for closed circuit cooling of various process liquids.

Coil

An innovative coil design based on 8 mm copper tubes and corrugated aluminium turbo fins provides excellent heat transfer at minimal refrigerant charge. Standard fin spacing 2.1 mm.

Casing

Patented coil frame design allowing for thermal expansion and offering protection against vibration (f.i. during transportation). Corrosion resistant casing material, pre-painted RAL9002. Separated fan sections.

Fan motors

High efficiency AC or EC fans with innovative polymeric fan blades and low power consumption. Available in two fan diameters (500 & 630 mm), different power supplies (230/50-60/1, 400/50-60/3) and four noise levels. Protection class IP 54 according to DIN 40050.

AC motors are fitted with integrated thermo contacts to provide reliable protection against thermal overload (terminals in the box). Motors may be wired to one or more common terminal boxes.

Options

- Safety switches (SW)
- Terminal box for electric power connection (CB)
- Fan speed control 230/1 and 400/3 (BFT)
- Flanges (aluminium)



AlfaBlue Junior DG

- End covers (CV)
- Coil corrosion protection
 - Fins epoxy coated (EP)
 - Fins seawater resistant aluminium alloy (SWR)
 - Blygold treatment (BY)
 - F-coat treatment (FC)
- Fin spacing 2.5 mm
- Vibration dampers (VD)

Benefits

- Excellent sound characteristics, suitable for residential applications.
- Reliable performance, Eurovent certified
- Easy installation & maintenance.
- Energy efficient - low total cost of ownership.
- Damage-proof packing in sturdy cardboard box on pallet. Bigger units in a crate and wrapped with plastic foil.
- Two-year product guarantee.
- Easy access to additional on-line product information (QR code)



AlfaBlue Junior DG

Dimensions

DG	Dimensions mm											
	type	fans	L	H	W	H2	W2	M1	M2	M3	M4	M5
501.1	1	1115	896	868	828	478	860	0	0	868	420	
502.1	2	2015	896	868	828	478	1760	0	0	868	420	
503.1	3	2915	896	868	828	478	2660	0	0	868	420	
504.1	4	3815	896	868	828	478	3560	1760	0	868	420	
631.1	1	1261	1221	1070	1034	730	960	0	0	1070	700	
632.1	2	2261	1221	1070	1034	730	1960	0	0	1070	700	
633.1	3	3261	1221	1070	1034	730	2960	0	0	1070	700	
634.1	4	4261	1221	1070	1034	730	3960	1960	0	1070	700	
635.1	5	5261	1221	1070	1034	730	4960	1960	1000	1070	700	
636.1	6	6261	1221	1070	1034	730	5960	1960	2000	1070	700	

Customization

Reverse setup (fitted with blow through fans for high air-in temperature applications) available on request.

Design pressure

Design pressure 6 bar. Each heat exchanger is leak tested with dry air.

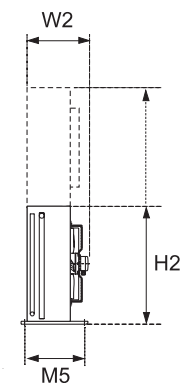
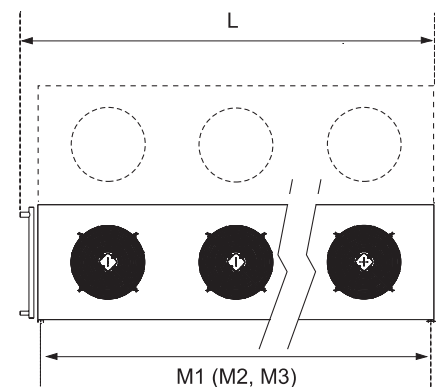
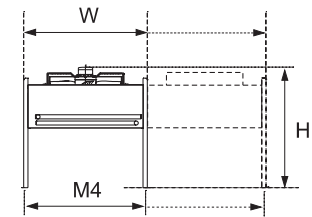
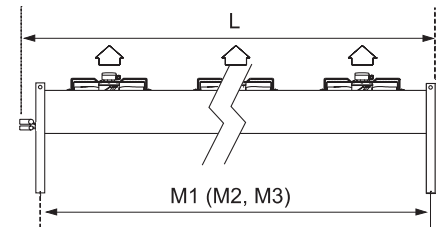
Selection

Selection and pricing is to be performed with our Alfa Laval air heat exchanger selection software. Please contact our sales organization for details and full technical documentation.

Code description

DG	S(E)	50	2	.1	B	D	H/V	BO	*	-	AL	2.1	CU	*
1	2	3	4	5	6	7	8	9	10		11	12	13	14

- AlfaBlue Junior dry cooler
- Sound level/fan code: S=standard, L=low, Q=quiet, R=residential, E=EC fan motor)
- Fan diameter (50=500 mm, 63=630 mm)
- Number of fans (1 to 6)
- Version number
- Tube rows code (A, B, C)
- Phases (S=monophase, D=three phases)
- Suitable for both horizontal & vertical installation
- Transport packing (BO=box, P=pallet, CR=crate)
- Options
- Fin material/coating (AL=aluminium, IF=industrial fins, SWR=AlMg2.5, EP=epoxy coated alu, FC=F-coat, BY=Blygold)
- Fin spacing (2.1 mm, 2.5 mm)
- Tube material (CU=copper)
- Extra options



Certifications

All dry 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 rules.



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