



# AlfaBlue Junior AG(H)

## Air-cooled condensers – commercial range

### General information & application

In addition to the well-proven AlfaBlue condenser line, the new generation of AlfaBlue Junior commercial condensers is a competitive condenser 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 condensers may be used in commercial refrigeration and A/C installations.

Refrigerants	all H(C)FC
Capacities (SC2)	6.5 up to 260 kW

### Coil

An innovative coil design based on 5/16" copper tubes and corrugated aluminium fins provides excellent heat transfer at minimal refrigerant charge. Standard fin spacing is 2.1 mm.

### Casing

The coil frame is made from AlMn<sub>3</sub> for protection against vibration and thermal expansion. Casing material is galvanized steel sheet, pre-painted with an epoxy finish (RAL9002). Separated fan sections.

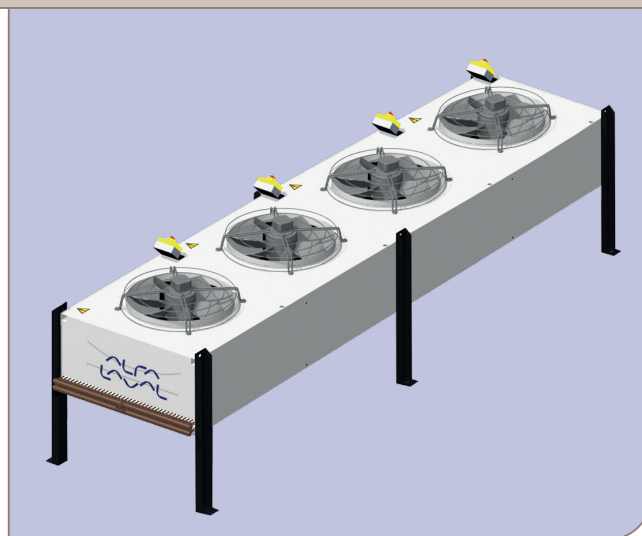
### Fan motors

High efficiency fans with innovative polymeric fan blades and low power consumption. Available in three fan diameters (400, 500 & 630 mm), different power supplies (230V, 400V, 50/60Hz) and four noise levels.

Protection class IP 54 according to DIN 40050. Integrated thermo contacts provide reliable protection against thermal overload (terminals in the box). Motors may be wired to one or more common terminal boxes.

### AlfaBlue Junior AGH

A special range of High Pressure condensers is available with circuiting design optimized for refrigerant R410A. This AGH range has been specifically developed for AC applications and may be tailor made for OEM use.



AlfaBlue Junior

### Options

- EC motors (500 & 630 mm fans only)
- Non-standard power supply
- Fan motor switches
- Terminal box for electric power connection
- Fan speed control (230/1 and 400/3)
- Pre-coated aluminium fins
- Special fin spacing (2.5 and 3.2mm)
- Vibration dampers

### Certifications

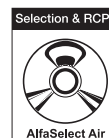
All condenser models are "Eurovent Certify All" certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

### Test

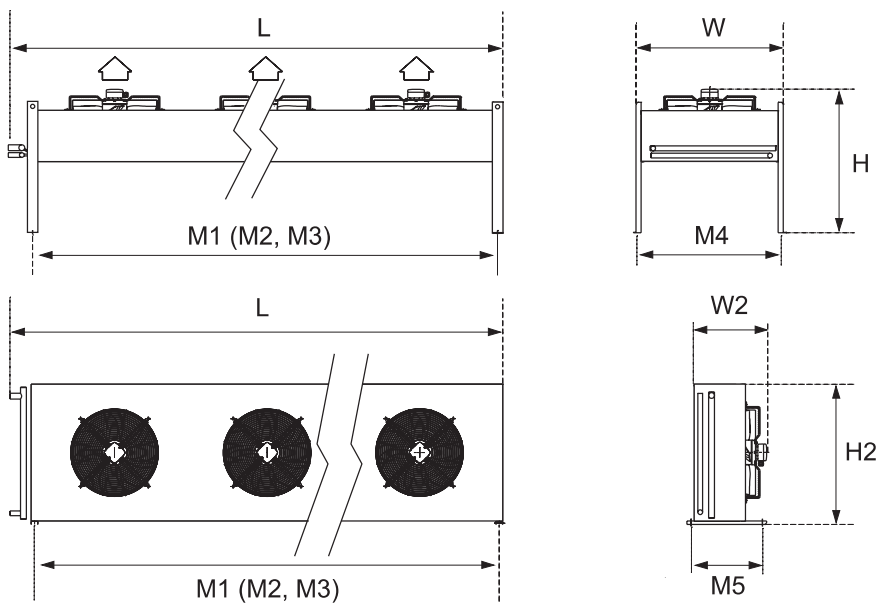
Each heat exchanger undergoes a pressure and leak test with dry air at 35 barg (AGH: 49 barg). It is then supplied with a nitrogen pre-charge.

### Selection

Please use our AlfaSelect Air selection software for condenser selection and RCPL pricing.

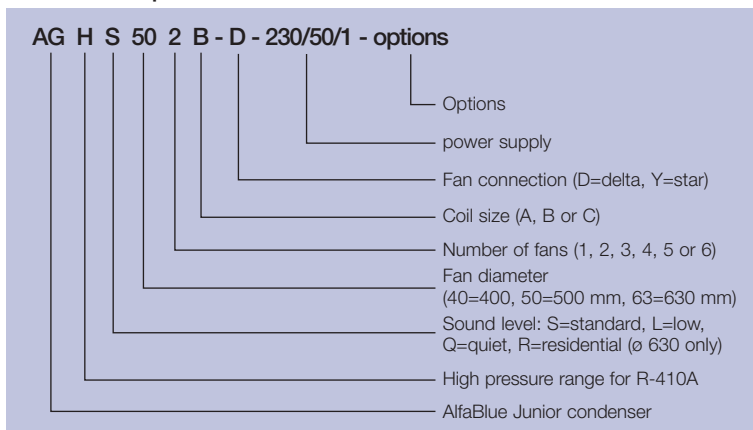


Dimensions												Weight & Connections					
type	fans	L	H	W	H2	W2	M1	M2	M3	M4	M5	Coil size A		Coil size B		Coil size C	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	mm	kg	mm	kg
AG*401	1	780	712	596	555	362	630	-	-	591	215	26	16-14	31	16-14	-	-
AG*402	2	1380	712	596	555	362	1230	-	-	591	215	51	22-18	57	22-18	-	-
AG*403	3	1980	712	596	555	362	1830	-	-	591	215	79	22-18	85	28-22	-	-
AG*501	1	1105	846	868	828	428	940	-	-	868	420	121	22-20	126	22-20	132	22-20
AG*502	2	2005	846	868	828	428	1840	-	-	868	420	227	28-22	236	28-22	245	28-22
AG*503	3	2905	846	868	828	428	2740	-	-	868	420	329	35-28	346	35-28	360	35-28
AG*504	4	3805	846	868	828	428	1800	1840	-	868	420	-	-	464	42-35	483	42-35
AG*631	1	1335	1171	1210	1034	750	960	-	-	1105	660	83	22-18	89	28-22	95	28-22
AG*632	2	2335	1171	1210	1034	750	1960	-	-	1105	660	156	28-22	168	35-28	180	35-28
AG*633	3	3335	1171	1210	1034	750	2960	-	-	1105	660	229	35-28	247	42-35	265	54-42
AG*634	4	4335	1171	1210	1034	750	1960	2000	-	1105	660	302	54-42	326	54-42	350	54-42
AG*635	5	5335	1171	1210	1034	750	1960	1000	2000	1105	660	383	64-54	417	76-64	451	76-64
AG*636	6	6335	1171	1210	1034	750	1960	2000	2000	1105	660	456	76-64	498	76-64	540	76-64



NOTE: weights for AG\*6 are given for sound execution S (Standard).  
Weights for executions L, Q & R are 92% of the given values.

### Code description



### Benefits

- Reduced refrigerant charge
- 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.

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Alfa Laval reserves the right to change specification without prior notification.

### 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](http://www.alfalaval.com)

