

**AlfaBlue**



AlfaBlue BC

## Benefits

- High performance louvered fins
- Extremely silent operation, suitable for residential applications
- Reliable performance
- Reduced refrigerant charge
- Low energy consumption
- Short delivery time
- Two-year product guarantee
- Easy access to additional on-line product information (QR code)

## General information & application

The AlfaBlue series is a wide range of heavy-duty air cooled condensers for air conditioning and refrigeration applications. AlfaBlue condensers are available for both horizontal and vertical installation. Available both in single or dual fan row.

Refrigerants



Capacity range (R404A,  $\Delta T=15^\circ\text{C}$ )

40 up to 1584 kW

## Finned coil

The coil design provides excellent heat transfer at minimal refrigerant charge. Condensers are fitted with aluminium turbo fins and rippled copper tubing. Available fin spacings: 2.1 and 1.8 mm (only for BC\*95). 2.5 mm available as optional. Copper headers.

## Construction

Frame construction provides high rigidity for protection against vibration and thermal expansion. Casing and frame made of corrosion resistant pre-galvanized steel, epoxy coated white RAL 9003 on both sides. Separated fan sections.

## Fan motors

High efficiency AC or EC fan motors, available in different fan diameters (800, 910, 950 and 1000 mm) and noise levels, power supply 400/50/3. Motors with external rotor, protection class IP54 according to DIN 40050. Integrated thermo contacts provide reliable protection against thermal overload.

## Options

- Aluplus (AP): magnesium-aluminium alloy coated with a special paint treatment to give strong protection and resistance to corrosion
- Spray water kit (KW)
- Whisperer (WH)
- Mounting feet for horizontal installation 1000 mm (F10)
- Vibration dampers (VD)
- Service switch (SW)
- Motors wired to the connection box (CB)
- Switchboards:
  - Basic switchboard without regulation, or in combination with master controller and pressure probe for fan speed regulation (ECCB)
  - Switchboard and premium controller (ICM)

## Design pressure

Standard operating pressure pressure 30 bar. Special version with 45 bar design pressure for R410A available on request.



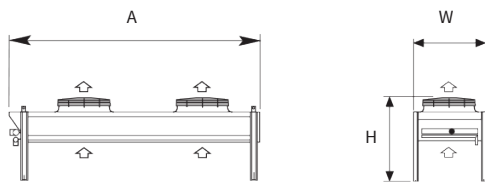
# AlfaBlue BC

Air-cooled condensers

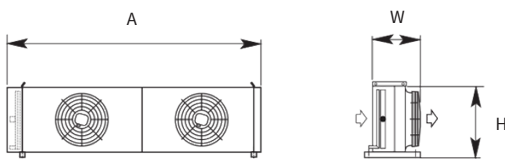
model	dimensions (mm)	single fan row						dual fan row							
		o	oo	ooo	oooo	ooooo	oooooo	oo oo	ooo ooo	oooo oooo	ooooo ooooo	oooooo oooooo	ooooooo ooooooo	oooooo oooooo	
		1	2	3	4	5	6	4	6	8	10	12	14	16	
BCS8 H	A*	2090	3690	5290	6890	8490	-	3690	5290	6890	8490	10090	11690	13290	
	W	1284	1284	1284	1284	1284	-	2384	2384	2384	2384	2384	2384	2384	
	H	1600	1600	1600	1600	1600	-	1600	1600	1600	1600	1600	1600	1600	
BCS8 V	A	2090	3690	5290	6890	8490	-	3690	5290	6890	-	-	-	-	
	W	800	800	800	800	800	-	800	800	800	-	-	-	-	
	H	1210	1210	1210	1210	1210	-	2310	2310	2310	-	-	-	-	
BCE8 H	A*	2623	4756	6889	9022	11155	13288	4756	6889	9022	11155	13288	-	-	
BCE9 H	W	1284	1284	1284	1284	1284	1284	2384	2384	2384	2384	2384	-	-	
BCE95 H	H	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	-	-	
BCE8 V	A*	2623	4756	6889	9022	11155	13288	4756	6889	9022	11155	13288	-	-	
BCE9 V	W	800	800	800	800	800	800	800	800	800	800	800	-	-	
BCE95 V	H	1210	1210	1210	1210	1210	1210	2310	2310	2310	2310	2310	-	-	
BCX9 H	A*	2623	4756	6889	9022	11155	13288	4756	6889	9022	11155	13288	-	-	
BCX10 H	W	1509	1509	1509	1509	1509	1509	2834	2834	2834	2834	2834	-	-	
BCX95 H	H	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	-	-	
BCX9 V	A*	2623	4756	6889	9022	11155	13288	4756	6889	9022	11155	13288	-	-	
BCX10 V	W	800	800	800	800	800	800	800	800	800	800	800	-	-	
BCX95 V	H	1435	1435	1435	1435	1435	1435	2760	2760	2760	2760	2760	-	-	

\*+ 270 mm for models with opposite side connections

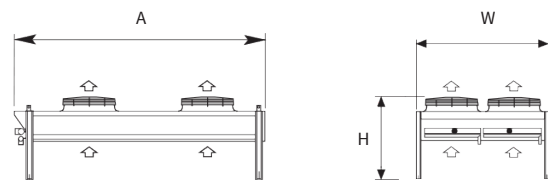
### Horizontal installation - single fan row



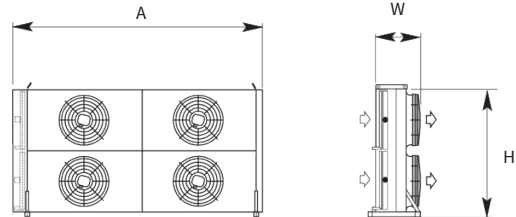
### Vertical installation - single fan row



### Horizontal installation - dual fan row



### Vertical installation - dual fan row



### Selection

Selection and pricing is to be performed with our air heat exchanger selection software [Plair](#). Selection output includes all relevant technical data and dimensional drawings.

### Certifications

The Alfa LU-VE quality system is in accordance with ISO 9001. All products are manufactured according to PED regulations. Alfa LU-VE participates in the ECP program for HE. Check ongoing validity of certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com)



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Alfa LU-VE is a trademark registered and owned by LU-VE Group. Alfa LU-VE reserves the right to change specifications without prior notification.

### Code description

BC	E	9	N	6121	H	(1 x 2)	
1	2	3	4	5	6	7	8

- AlfaBlue condenser BC
- Coil module size (E=standard, S=short, X=XL)
- Fan diameter (8=800 mm, 9=910 mm, 95=950 mm, 10=1000 mm)
- Noise level (F-N=normal, S-X-T=quiet, U-R=residential)
- Model code
- Installation (H=horizontal, V=vertical)
- No. of rows
- No. of fans per row

