



# AlfaBlast

## Blast freezer

### Applications

The blast freezer is a fan air cooler with horizontal air flow direction and it is used in fast-freezing units. It is ideally used for rapid freezing with efficient capacity in a confined space. In the meat, poultry and fish industry, in the bakery sector, in the sector of milk products, for the production of ice cream, for ready-to-serve meals and in all sectors where a fast conservation of food is necessary.

### Design features and benefits

AlfaBlast is designed for applications with R404A, R507A and NH3. The refrigerant charge is lower than comparable products on the market, which will have a positive effect both on your budget and the environment.

To further support your budget targets, AlfaBlast offer low electricity consumption and smart solutions for easy installation and maintenance.

### Standard configuration

AlfaBlast in standard configuration is equipped with casing in galvanized steel, aluminium drip tray, air static pressure of 80 Pa (500 series) and 100 Pa (630 series), static defrost system, lateral cover panels and adjustable legs in height in order to obtain a "tailor made unit" anywhere.

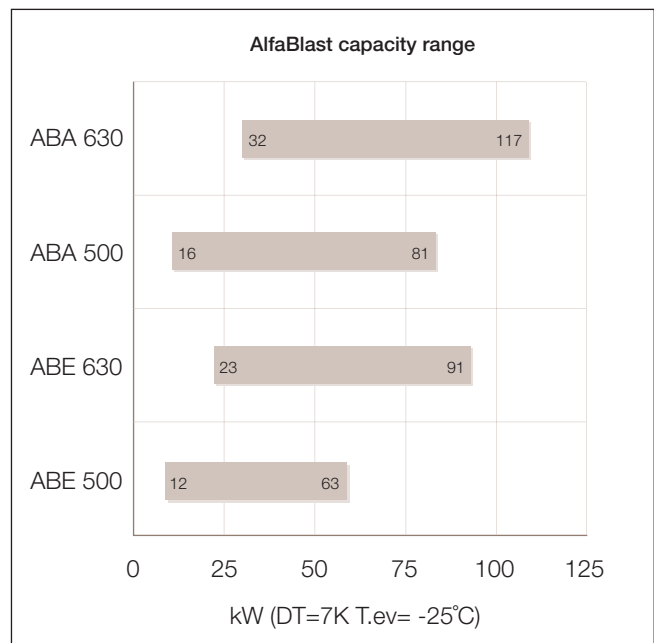
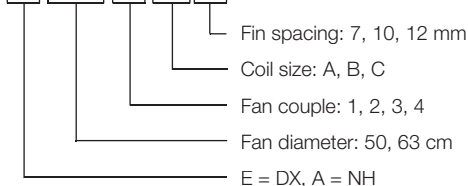
### Optional

Casing in stainless steel or aluminium, special fans for high static pressure (150Pa), different defrost systems (water, electric, hot gas) and different coil protection (cataphoresis, epoxy, painting, pre-coated fins).



AlfaBlast ABE 502 with optional water defrost. High performance fan, static pressure 150 kPa.

AB E 50 2 A 7



### Application range

- DX with R404A, from 12 to 91 kW (SC3 condition)
- Pump with NH3, from 16 to 117 kW
- Test pressure 34 bar, temperature -45° to +130°C for direct expansion
- Test pressure 31 bar, temperature -50° to +100°C for direct expansion

### Casing

- Galvanized steel (standard), stainless steel (option), aluminium (option)
- Lateral panel removable (standard)
- Aluminium drip tray (standard)

### Coil

- Fin spacing: 7, 10 or 12 mm
- Fin material: Aluminium
- Piping: Copper or stainless steel

### Fans

- Diameter: 500 or 630 mm
- Motor fan type: 3-phase 400V 50/60 Hz
- Air static pressure available 80 Pa (fan D = 500 mm), 100 Pa (fan = 630 mm), 150 Pa on request with high performance fans (series AlfaBlast 150, change the dimension unit)

### Noise pressure level

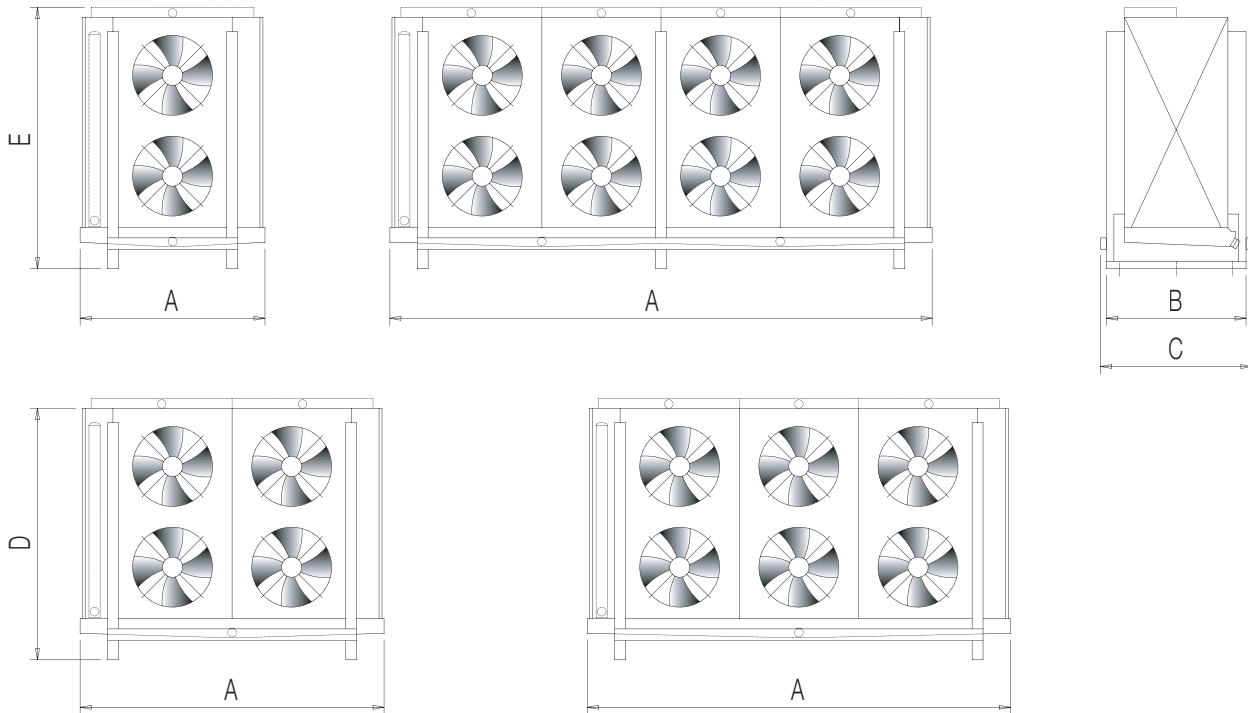
Lpa (10 m) max = 84 dB (A) (at 10 m)

### Defrost system

Static (standard), electric, water, hot gas, water + electric in the drip tray or hot gas + electric in the drip tray.

### Coil protection (optional)

Cataphoresis, epoxy painting, pre-coated fins



Model	A	B	C	D	E	Model	A	B	C	D	E
501	1375	950	1030	1710	1790	631	1645	950	1050	2190	2270
502	2185	950	1030	1710	1790	632	2725	950	1050	2190	2270
503	2995	950	1030	1710	1790	633	3805	950	1050	2190	2270
504	3805	950	1030	1710	1790						

ERC00034EN 0601

All rights reserved for changes in specifications

### 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)