

Vantage FHA

Commercial Angled Air coolers



Top Advantages

- Slim silhouette for efficient use of cold room space
- Low air velocity and low noise for comfortable working conditions
- Energy efficient EC fans
- Easy-install and maintenance thanks to fully accessible drip tray and fan plate

General information and application

Alfa Optigo FHA is a commercial angled air coolers line for general application in small cold rooms.

Refrigerants	HFC, CO ₂ , Brine
Capacities (SC2 with R404)	1,130 up to 8,250 W
Air flow	550 up to 3,000 m ³ /h

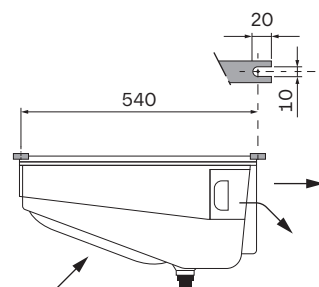
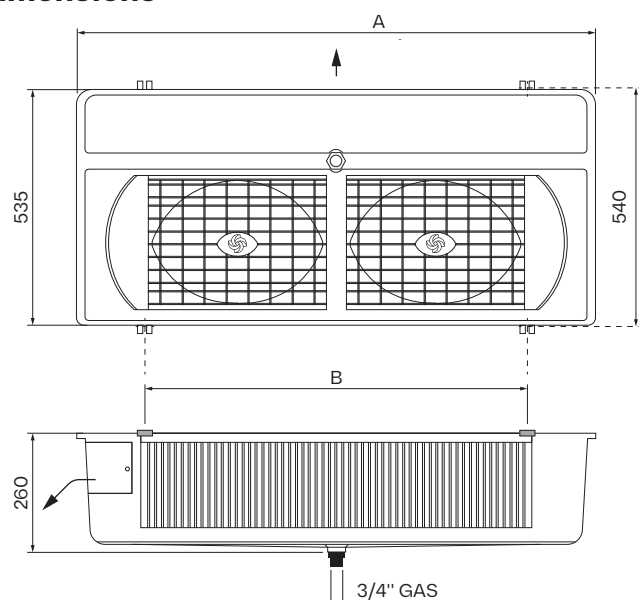
Standard configuration

- Fitted with TURBOCOIL®2 heat exchanger, ensuring the highest possible ratio of capacity to cost.
- Small diameter, high-efficiency copper tubes with inner helical grooving for DX units, specifically designed for the new refrigerants and CO₂. Aluminium fins with special turbulator profile to reduce dehumidification and frost formation.
- Standard fin spacing: 3.0, 4.5 and 7.0 mm.
- Highly resistant casing in reinforced synthetic "Safeshell" material.
- Shape designed to minimize damage caused by accidental impact.
- Dismountable and openable casing for maintenance and cleaning purposes.
- Plastic drain connection.
- Available with 1 to 4 fans fitted with EC fan motors, blowing through the coil. Fan diameter 275 mm. Power supply 230/50-60/1. Fan motors are wired to connection box.



Scan for more
information

Dimensions



Model	No. fans	Coil type	Fin spacing (mm)	A (mm)	B (mm)
30-32	1	1	3.0	605	293
40-32	1	2	3.0	730	418
60-32	2	1	3.0	920	618
80-32	2	2	3.0	1,070	868
120-32	3	1	3.0	1,630	1,318
160-32	4	2	3.0	2,080	1,768
21-50	1	1	4.5	605	293
27-50	1	2	4.5	730	418
41-50	2	1	4.5	920	618
53-50	2	2	4.5	1,070	868
79-50	3	1	4.5	1,630	1,318
106-50	4	2	4.5	2,080	1,768
14-80	1	1	7.0	605	293
17-80	1	2	7.0	730	418
28-80	2	1	7.0	920	618
35-80	2	2	7.0	1,070	868
52-80	3	1	7.0	1,630	1,318
70-80	4	2	7.0	2,080	1,768

* Fluid R404A, TC =2.5 °C ΔT 1= 10 K

Certifications

The LUVE quality system is in accordance with ISO 9001. All products are manufactured according to PED regulations. LUVE participates in the ECP program for HE.

Check ongoing validity of certificate:
www.eurovent-certification.com

Brine refrigerant is not covered by Eurovent certification



Design pressure

Refrigerant	Max working pressure
HFC*	24 bar
CO ₂	60 bar**
Brine	10 bar

*Fluid group 2 according to EN 378; ** 85 bar in special execution

Each heat exchanger is leak tested with dry air and finally supplied with a dry air pre-charge.

Fitted with schröder valve on the suction connection for testing purposes (only for HFC and CO₂ units).

Options

- Electric defrost (E)
- Stainless steel tubes
- Pre-coated aluminium fins (AP)
- AC fan motors

Selection

Selection and pricing is to be performed with our online air heat exchanger selection software Plair.

Selection output includes all relevant technical data and dimensional drawings.

Code description

FHA	*	106	EC	E	50	-	*	*
1	2	3	4	5	6		7	8

- 1 Vantage Angled air cooler
- 2 Refrigerant system
(blank=HFC, W=brine, for CO₂ see pos. 7)
- 3 Model type
- 4 Fan motor (EC=EC fan motor)
- 5 Defrost system (N=air defrost, E=electric defrost)
- 6 Fin spacing (32=3.0, 50=4.5, 80=7.0 mm)
- 7 Application (CO₂ DX=direct expansion for CO₂)
- 8 Circuits code - only for brine units