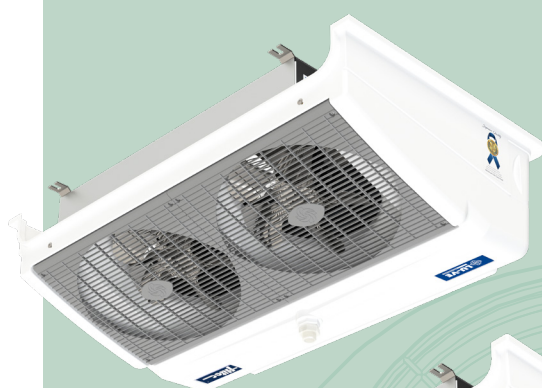
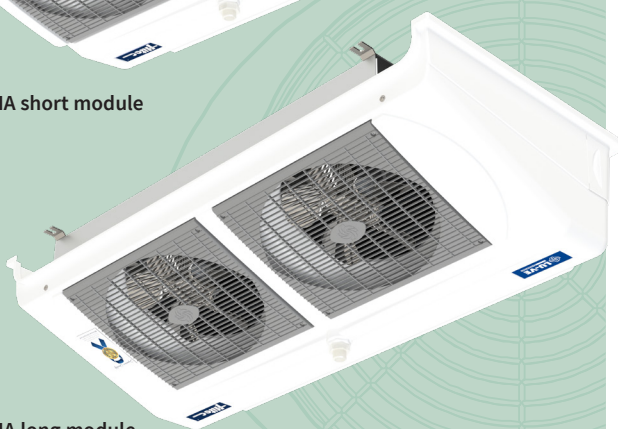


Vantage



FHA short module



FHA long module



FHA

Benefits

- 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
- Two-year product guarantee
- Easy access to on-line product information

General information and application

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

Refrigerants



Capacity range (SC2 with R404)

1130 up to 8250 W

Air flow

550 up to 3,000 m³/h

Coil

Fitted with TURBOCOIL®2 heat exchanger, ensuring the highest possible ratio of capacity to cost. It is manufactured with 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.

Casing

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.

Fan motors

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.

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

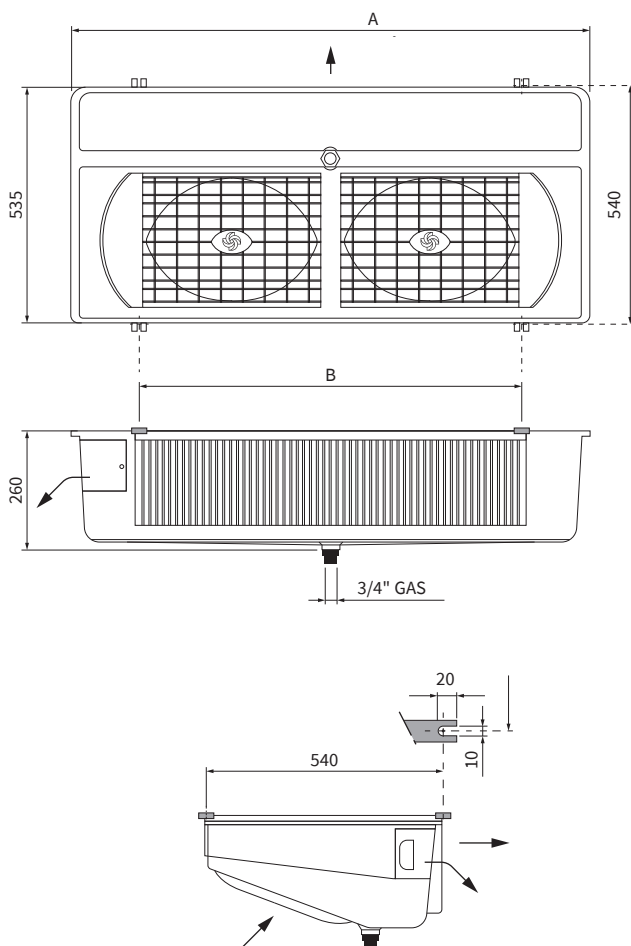
- Electric defrost (E)
- Stainless steel tubes
- Pre-coated aluminium fins (AP)
- AC fan motors



FHA

Angled air coolers

Dimensions



Selection

Selection and pricing is to be performed with our air heat exchanger selection software Refriger. Selection output includes all relevant technical data and dimensional drawings.

Certifications

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



31639111EN-01

*Brine refrigerant is not covered by Eurovent certification

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

Model	No. fans	Coil type	Fin spacing (mm)	Capacity* Capacity SC2	Air quantity (m³/h)	Air throw (m)	Circuit volume (dm³)	A (mm)	B (mm)
30-32	1	1	3.0	1650 1200	550	8	0.6	605	293
40-32	1	2	3.0	2050 1500	650	8	0.9	730	418
60-32	2	1	3.0	3350 2470	1100	9	1.2	920	618
80-32	2	2	3.0	4150 3050	1300	9	1.7	1070	868
120-32	3	1	3.0	6300 4650	1950	10	2.5	1630	1318
160-32	4	2	3.0	8250 6100	2600	11	3.2	2080	1768
21-50	1	1	4.5	1450 1050	600	9	0.6	605	293
27-50	1	2	4.5	1800 1350	720	9	0.9	730	418
41-50	2	1	4.5	2950 2180	1200	10	1.2	920	618
53-50	2	2	4.5	3600 2660	1440	10	1.7	1070	868
79-50	3	1	4.5	5500 4050	2160	11	2.5	1630	1318
106-50	4	2	4.5	7350 5450	2880	12	3.2	2080	1768
14-80	1	1	7.0	1130 850	670	10	0.6	605	293
17-80	1	2	7.0	1370 1000	750	10	0.9	730	418
28-80	2	1	7.0	2270 1680	1340	11	1.2	920	618
35-80	2	2	7.0	2730 2010	1500	11	1.7	1070	868
52-80	3	1	7.0	4260 3150	2250	12	2.5	1630	1318
70-80	4	2	7.0	5730 4250	3000	13	3.2	2080	1768

* Fluid R404A, TC =2.5 °C ΔT 1= 10 K



Code description

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

- Angled air coolers
- Refrigerant system (blank=HFC, W=brine, in case of CO₂ see pos. 7)
- Model type
- Fan motor (EC=EC fan motor)
- Defrost system (N=air defrost, E=electric defrost)
- Fin spacing (32=3.0, 50=4.5, 80=7.0 mm)
- Application (CO₂ DX=direct expansion for CO₂)
- Circuits code - only for brine units

