NEX 45, 50, 62

Commercial air coolers

Cooling Your Daily Life®

NEX 62

NEX 45, 50, 62

Benefits

- Optimized coil design
- Very low energy consumption
- Plug and play installation
- Short delivery time
- Two-year product guarantee
- Easy access to on-line product information

General information & application

NEX 45, 50, 62 are cubic commercial air coolers for general application in small to medium-sized cooling, freezing and working rooms.
The series are especially suitable for refrigerated working, processing and storage rooms.

Refrigerants: HFC, CO_2, Brine

Capacity range (SC2 with R404)	11 up to 122 kW
Air flow	18,400 up to 33,600 m³/h
Min. room temperature	- 35 °C

Coil

The very high-efficiency TURBOCOIL® heat exchangers have the best power/cost ratio obtainable.

- High-efficiency TURBOFIN® aluminum fins with special configuration of the louvre profile to reduce dehumidification and frost formation.
- High-efficiency small-diameter copper tubes with internal helical grooving, designed for optimal evaporation of the new refrigerant fluids.

Standard fin spacings 4.5, 6, 7.5 and 10 mm.

Fan motors

1 to 4 fans fitted with high efficiency AC or EC fan motors, available in 3 fan diameters (450, 500 and 630 mm) drawing through the coil.

Dimensions

Model Ø	n. of fans	Dimensions (mm)				
		A	B	C	D	E
NEX45	1	1285	830	-	655	655
NEX45	2	2085	1630	-	655	655
NEX45	3	2885	2430	-	655	655
NEX45	4	3685	1600	1630	655	655
NEX50	1	1285	-	-	675	875
NEX50	2	2085	-	-	675	875
NEX50	3	2885	-	-	675	875
NEX50	4	3685	-	-	675	875
NEX62	2	2885	-	-	730	880
NEX62	3	4085	-	-	730	880

Casing

Durable galvanized steel casing, powder coated RAL 9003.
Dismountable and openable casing for cleaning and inspecting purposes.
Fitted with hinged drip tray and easily dismountable side panels.

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NEX 50

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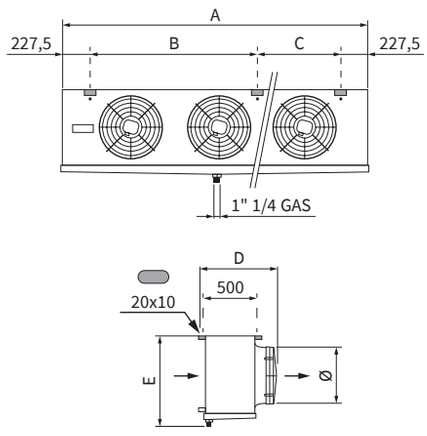

Selection

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

Certifications

The Aia LU-VE 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

*Brine refrigerant is not covered by Eurovent certification

Design pressure

Refrigerant	Max working pressure
HFC*	24 bar
CO_2	45-60 bar
Brine	10 bar

* Fluid group 2 according to EN 378

Each heat exchanger is leak tested with dry air and finally supplied with a dry air pre-charge.
Fitted with schräder valve on the suction connection for testing purposes (only for HFC and CO_2 units).

Options

- Corrosion protection:
  - Alupaint fins
- Electric defrost (E)
  The stainless steel defrost elements (both in coil and in drain tray) are connected to dedicated connection box
- Hot gas defrost - hot gas in coil, electrical in drip tray
- Fan ring heater
- Fan motors connected to a central connection box
- Repair switch
- Insulated drip tray
- Shut-up sock
- Adapter sock ring
- Streamer

Code description

NEX	62	XD	2106	E	7
	1	2	3	4	5

1 Fan 45=Ø 450 mm, 50=Ø 500 mm, 62=Ø 630 mm
2 Air cooler
3 Model
4 N=Air defrost, E=Electric defrost, G= Hotgas defrost in coil, electrical defrost in the draintray
5 Fin spacing: 4=4.5 mm, 6=6.0 mm, 7=7.5 mm, 10=10.0 mm
(Cold rooms: 4.5 and 6.0 mm, Freezing rooms: 7.5 and 10.0 mm)

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