

Optigo



Optigo FMS

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 & application

Optigo FMS is a commercial slim air coolers line for general application in small to medium-sized cooling and freezing rooms. All FMS models are characterised by a low silhouette for the efficient use of cold room space.

Refrigerants



Capacity range (SC2 with R404)
Air quantity

1.9 up to 10.6 kW
920 up to 6,000 m³/h

Coil

High efficiency coil manufactured from internally grooved Cu tubes and aluminium fins. Maximized performance thanks to the high capacity TURBOCOIL® heat exchanger manufactured with internally grooved tubes and TURBOFIN® fins. Standard fin spacing: 4.5 and 7.0 mm.

Casing

Galvanized steel casing powder coated RAL 9003 and aluminum drip tray. Dismountable and openable casing for cleaning purposes. FMS units are provided with separated hinges for drip tray and fan plate opening. Plastic drain connection.

Working pressure

Model	Refrigerant	Max working pressure
FMSE	HFC*	24 bar
FMSX	CO ₂	60/85 bar

* Fluid group 2 according to EN 378

Fitted with schröder valve on the suction connection for testing purposes. Each heat exchanger is leak tested with dry air and finally supplied with a dry air pre-charge.

Fan motors

1 to 4 fans fitted with AC/EC fan motors, blowing through the coil. Fan diameter 315 mm. Power supply 230/50-60/1. EC 2-speed fan motors, different noise levels. Protection class IP54 for EC motors, IP44 for AC motors. Fan motors wired to connection box.

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.



Optigo FMS

Slim commercial air coolers

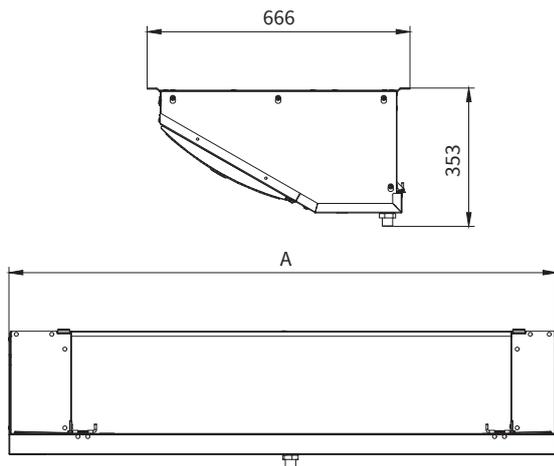
Optional features

- Coil corrosion protection:
 - pre-coated aluminium fins (AP)
- Electric defrost (E)

The stainless steel defrost elements are connected to dedicated terminal box.
- Drip tray heater (HD)
- Heavy electric defrost kit (EH)

Additional heaters for low temperature on air inlet side. Supplied as a separated kit for low temperature applications.

Dimensions



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

Code description

FMS	31	E	A	-	1	4	-	4	N	-	AL	BO
1	2	3	4		5	6		7	8		9	10

- 1 Optigo FMS slim commercial air cooler
- 2 Fan diameter (31=315 mm)
- 3 Refrigerant system (E=HFC, X=CO₂)
- 4 Fan motor type (A=AC, E=EC)
- 5 Number of fans (1 to 4)
- 6 Coil type (1, 2, 3, 4)
- 7 Fin spacing (4=4.5 mm, 7=7.0 mm)
- 8 Defrost system (N=air defrost, E=electric defrost, HD=drip tray heater, E+HD=electric defrost+drip tray heater)
- 9 Fin material (AL=aluminium, AP=pre-painted aluminium)
- 10 Packing (BO=box, BP=box + pallet, CR=crate)

Model	Fans Ø (mm)	No. fans	Coil type	Fin spacing (mm)	A (mm)
FMS31	315	1	1	4.5 / 7.0	826
FMS31	315	1	2	4.5 / 7.0	826
FMS31	315	1	3	4.5 / 7.0	1171
FMS31	315	1	4	4.5 / 7.0	1171
FMS31	315	2	1	4.5 / 7.0	1381
FMS31	315	2	2	4.5 / 7.0	1381
FMS31	315	3	1	4.5 / 7.0	1936
FMS31	315	3	2	4.5 / 7.0	1936
FMS31	315	4	1	4.5 / 7.0	2491
FMS31	315	4	2	4.5 / 7.0	2491



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