

Optigo SFMS



Benefits

- Designed for safe operation with A2L refrigerants
- 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 casing construction
- Two-year product guarantee
- Easy access to on-line product information

General information & application

Optigo SFMS is a commercial slim air coolers line suitable for the safe use of ASHRAE A2L refrigerants.

A2L refrigerants have a minimal impact on global warming and they will bring maximum energy efficiency. So today, they are the best technological solution for air conditioning and refrigeration applications, outside the natural refrigerants.

General applications for Optigo SFMS are in small to medium-sized cooling and freezing rooms. All SFMS models are characterised by a low silhouette for the efficient use of cold room space.

Refrigerants	A1, A2L
Capacity range (SC2 with R404)	1.9 up to 10.6 kW
Air quantity	920 up to 6,000 m ³ /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. SFMS31 units are provided with separated hinges for drip tray and fan plate opening. Plastic drain connection.

Working pressure

Working pressure: 24 bar.
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 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. Fan motors wired to connection box.



Optigo SFMS

Slim commercial air coolers for A2L refrigerants

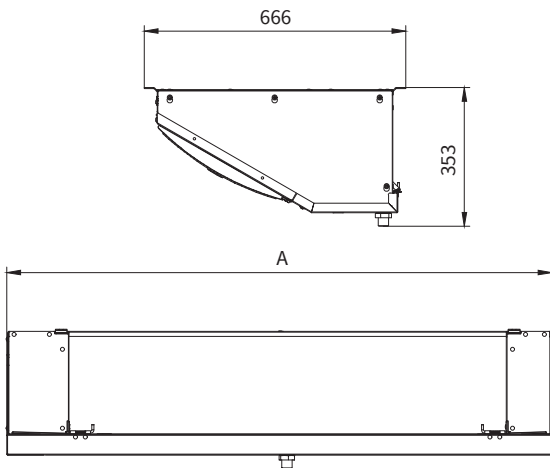
Optional features

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

The stainless steel defrost elements are connected to dedicated terminal box. Certified for the use of the only A2L refrigerants listed on the IEC standard 60335-2-40 (R-32, R-1234YF, R-1234ZE(E), R-444A/B, R-447B, R-451A/B, R-452B, R-454A/B/C, R-455A) and A1.
- 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



Model	Fans Ø (mm)	No. fans	Coil type	Fin spacing (mm)	A (mm)
SFMS31	315	1	1	4.5 / 7.0	826
SFMS31	315	1	2	4.5 / 7.0	826
SFMS31	315	1	3	4.5 / 7.0	1171
SFMS31	315	1	4	4.5 / 7.0	1171
SFMS31	315	2	1	4.5 / 7.0	1381
SFMS31	315	2	2	4.5 / 7.0	1381
SFMS31	315	3	1	4.5 / 7.0	1936
SFMS31	315	3	2	4.5 / 7.0	1936
SFMS31	315	4	1	4.5 / 7.0	2491
SFMS31	315	4	2	4.5 / 7.0	2491

Certifications

The Alfa LU-VE quality system is in accordance with ISO 9001. All products are manufactured according to PED regulations.

Eurovent certified performance applies to models included in the scope of the programme.

The Optigo SFMS series machines use the same heat exchange components as the corresponding Optigo FMS series models and provide the same performance. The Optigo SFMS series machines can work with HFC category A1 refrigerants.

LU-VE Group participates in the ECP program for HE. Check ongoing validity of certificate: www.eurovent-certification.com

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.

Code description

SFMS	31	E	-	1	4	-	4	E	-	AL	BO
1	2	3		4	5		6	7		8	9

- 1 Optigo SFMS A2L safety compliant slim commercial air cooler
- 2 Fan diameter (31=315 mm)
- 3 Fan motor type (E=EC)
- 4 Number of fans (1 to 4)
- 5 Coil type (1,2,3,4)
- 6 Fin spacing (4=4.5 mm, 7=7.0 mm)
- 7 Defrost system (N=air defrost, E=electric defrost, HD=drip tray heater, E+HD=electric defrost+drip tray heater)
- 8 Fin material (AL=aluminium, AP=pre-painted aluminium)
- 9 Packing (BP=box + pallet, CR=crate)

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