

Alfa Optigo SFMC

Heavy Duty Cubic Commercial Air coolers



A2L refrigerants

Top Advantages

- **A2L safety compliant:** designed for safe and reliable use with environmentally friendly A2L refrigerants, including electric defrost for refrigerants included in IEC standard 60335-2-40
- **Reliable performance** - Eurovent certified, independently tested.
- **Extremely low internal volume** - reducing refrigerant charge.
- Reliable, quiet, and energy efficient.
- Easy-access, easy-clean – fully accessible casing.



Scan for more information

General information and application

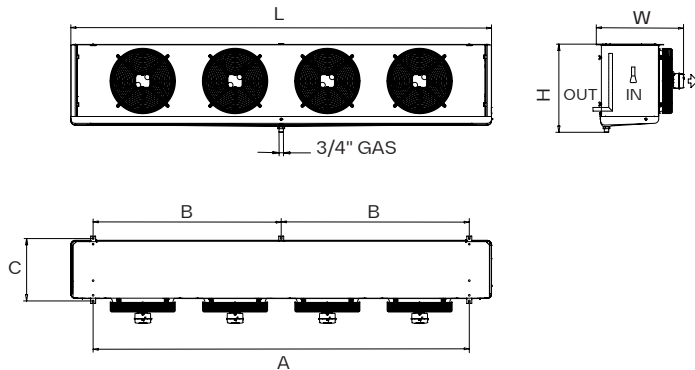
Compact commercial unit coolers designed for safe use of ASHRAE A2L refrigerant and optimal conservation of fresh and frozen goods in commercial refrigeration.

Refrigerants	A1, A2L
Capacities (SC2 with R404)	1 up to 20 kW
Air flow	900 up to 10,400 m ³ /h
Min. room temperature	-25 °C

Standard configuration

- Modular commercial air cooler in draw-through design.
- Internally grooved copper tubes, with **TURBOFIN** aluminium fins. Multiple fin spacing options (4.5 up to 9 mm).
- EC fan motors with 275, 315 and 350 mm diameter, 1 to 4 fans per unit. Single speed fans for F27 models, dual speed for F31 and F35 models. Optional 0-10 V control input for F35 models.
- Corrosion resistant galvanized steel casing, epoxy-coated RAL 9003.
- Electric defrost available for A2L refrigerants listed in IEC standard 60335-2-40
- Hinged side panels and drip tray easy access for cleaning and maintenance.

Dimensions



Options

- Electric defrost in coil (E). 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, R-444B, R-447B, R-451A, R-451B, R-452B, R-454A, R-454B, R-454C, R-455A)
- Driptray heater (HD)
- Electric defrost in coil + Driptray heater (E+HD)

Model	Fin spacing	N	E	HD	E+HD
F27	all	standard	✓	✓	✓
F31	4.5, 6	standard	✓	✓	✓
F31	7, 9	standard	n.a.	n.a.	✓
F35	all	standard	n.a.	n.a.	✓

- Coil corrosion protection: Alupaint (AP)
- EC fan motors: single speed for F27, dual speed for F31 and F35
- EC fan motor with 0-10 V control input (0-10) - for F35
- EC fan motor with 0-10 V control input + potentiometer (0-10P) - for F35 models
- Central internal connection box wired to a single external switch (SW)
- Fan shroud heater (FRH)
- Driptray heater (HD)
- Driptray insulation (IS)
- Shut-up sock with adapter ring - for F31 and F35 models
- Insulated suction hood

Certifications

The LUVE quality system is in accordance with ISO9001. All products are manufactured according to PED regulations. The AlfaOptigo SFMC series machines use the same heat exchange components as the corresponding AlfaOptigo FMC series models and provide the same performance. The AlfaOptigo SFMC series machines can work with HFC category A1 refrigerants.

LUVE participates in the ECP program for HE. Check ongoing validity of certificate:

www.eurovent-certification.com



Model	No. fans	Dimensions (mm)					
		L	A	B	C	W	H
F27	1	680	412	-	298	365	461
F27	2	1,050	782	-	298	365	461
F27	3	1,420	1,152	-	298	365	461
F27	4	1,790	1,522	-	298	365	461
F31	1	770	492	-	375	500	460
F31	2	1,220	942	-	375	500	460
F31	3	1,670	1,392	-	375	500	460
F31	4	2,120	1,842	-	375	500	460
F35	1	870	597	-	375	525	530
F35	2	1,425	1,152	-	375	525	530
F35	3	1,980	1,707	-	375	525	530
F35	4	2,535	2,262	1,131	375	525	530

Design pressure

Design pressure: 24 bar.

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

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

SF27MC	-	2	1	-	4	N	AL	BP	-	FRH
1		2	3		4	5	6	7		8

- 1 Alfa Optigo cubic commercial air cooler for A2L use (SF27MC=Ø 275, SF31MC=Ø 315, SF35MC=Ø 350 mm)
- 2 Number of fans (1 to 4)
- 3 Coil type (1, 2)
- 4 Fin spacing (4=4.5, 6=6.0, 7=7.0, 9=9.0 mm)
- 5 Defrost system (N=air defrost, E=electric defrost in coil, HD=driptray heater, E+HD=electric defrost in coil+driptray heater)
- 6 Fin material (AL=aluminium, AP=pre-painted aluminium)
- 7 Packing (BP=box + pallet, CR=crate)
- 8 Options