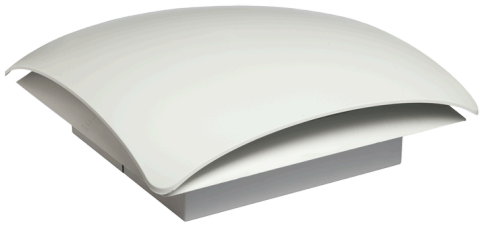
ROOF FILTER FAN

RFP 018



The roof filter fan ensures uniform air circulation in the enclosure or casing. The resulting air flow cools the electrical components. Note: The application of roof filter fans always requires pressure compensation. Either in combination with an inlet filter or an inlet filter fan.

- Low installation depth
- Quiet in operation with high air flow rate
- High operational reliability
- Time-saving installation and filter mat replacement

OVERVIEW TECHNICAL DATA

Device type	Accessories
Protection class	I
Protection type	IP32
Filter material	Plastic fibre with progressive structure
Filter mat	G3
Casing	Plastic to UL94 V-0, light gray; UV light resistant to UL746C (f1)
AC/DC	AC
Axial fan	Fan body aluminium, rotor plastic
Service life	>50000 h
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Torque	0,8 Nm max.
Connection	3-pole clamp 2.5 mm² max.
Width	354 mm
Depth	354 mm
Mounting cut-out	246 x 246 mm
Item number accessories 1	11860.0-00
Item number accessories 2	08613.0-01
Accessory 1	Roof exit filter RFP 018
Accessory 2	Replacement filter mat FM 086
Note	The roof filter fan must always be operated in combination with an inlet filter (e.g. Art. 11803.0-00) or an inlet filter fan (e.g. Art. No. 01803.0-00) for pressure compensation in the enclosure.

PRODUCT VARIANTS

Article number	Operating voltage	Frequency	Power consumption	Cooling airflow rate blowing	Average emission sound pressure level	Operating temperature	Storage temperature	Connection type	Height	Installation depth	Weight
01861.0-00	230 V	50 Hz	64 W	500 m³/h	67 dB(A)	-25 °C - 70 °C	-25 °C - 70 °C		180 mm	107 mm	2600 g
01860.0-00	230 V	50 Hz	68 W	300 m³/h	55 dB(A)	-10 °C - 70 °C	-40 °C - 70 °C	Connection terminal	125 mm	52 mm	3300 g
01860.0-02	120 V	60 Hz	60 W	345 m³/h	55 dB(A)	-10 °C - 70 °C	-40 °C - 70 °C		125 mm	52 mm	3300 g
01861.0-02	120 V	60 Hz	85 W	575 m³/h	67 dB(A)	-25 °C - 70 °C	-25 °C - 70 °C		180 mm	107 mm	2600 g

FILTER MAT BAG

Article number	packaging_size	Filter mat	Mounting cut-out
08613.0-01	3 Piece	ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 %	282x282 mm

ROOF EXIT FILTER

Article number	packaging_size	Filter mat	Installation depth	Weight	Mounting cut-out
11860.0-00	1 Piece	ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 %	10 mm	1000 g	246x246 mm

TECHNICAL DRAWINGS