

ROOF FILTER FAN

RFP 018 | 300 m³/h, 500 m³/h



Photo: Art. No. 01860.0-00



Photo: Art. No. 01861.0-00

- > Very low noise
- > Minimal depth in enclosure
- > High through-flow air volume
- > High reliability
- > Time-saving installation and mat exchange

Roof filter fans find use in enclosures and housings, from which warm air has to be diverted to lower the internal temperature. These low-noise roof filter fans are used to expel warm air from within the enclosure which has been generated by the stray power of the components and so protects the internal devices from overheating. To exchange the filter mat the hood can be easily opened without tools. The roof exit filter provides passive ventilation.

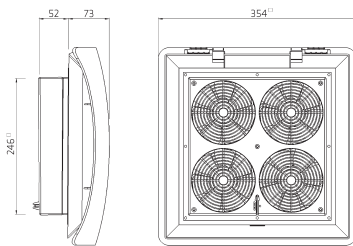


TECHNICAL DATA

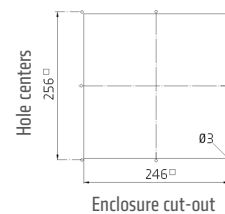
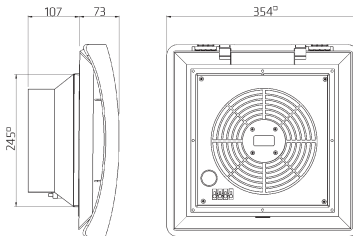
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|---|--|
| Axial fans, ball bearing | service life 50,000 h at +25 °C (+77 °F), 65 % RH fan body aluminium, rotor plastic |
| Connection | 3-pole clamp for 2.5 mm ² , clamping torque 0.8 Nm max. |
| Casing | plastic according to UL94 V-0, light grey; weather proof and UV light resistant according UL746C (f1) |
| Filter mat | ISO coarse 55% acc. to ISO 16890 (G3), initial gravimetric arrestance 57 % |
| Filter material | synthetic fibre with progressive construction, temperature resistant to +100 °C, self-extinguishing class F1, moisture resistant to 100 % RH, reusable – cleaning by washing or vacuuming |
| Operating/Storage humidity | max. 90 % RH (non-condensing) |
| Protection type/Protection class | IP32 / I (earthed) |
| Approvals | EAC, VDE (AC 230 V only) |

Important note: For reasons of pressure compensation the roof filter fan must always be operated in combination with a passive intake filter (e.g. Art. No. 11803.0-00) or another filter fan (e.g. Art. No. 01803.0-00).

Roof Filter Fan (01860.0-XX)



Roof Filter Fan (01861.0-XX)



ROOF FILTER FAN RFP 018

| Art. No. | Operating voltage | Air volume, free flow | Power consumption | Average noise level (DIN EN ISO 4871) | Depth in enclosure | Enclosure cut-out | Weight (approx.) | Operating / Storage temperature |
|------------|-------------------|-----------------------|-------------------|---------------------------------------|--------------------|--------------------|------------------|---|
| 01860.0-00 | AC 230 V, 50 Hz | 300 m ³ /h | 68 W | 55 dB (A) | 52 mm | 246 x 246 mm + 0.4 | 3.3 kg | -10 to +70 °C (+14 to +158 °F) / -40 to +70 °C (-40 to +158 °F) |
| 01861.0-00 | AC 230 V, 50 Hz | 500 m ³ /h | 64 W | 67 dB (A) | 107 mm | 246 x 246 mm + 0.4 | 2.6 kg | -25 to +70 °C (-13 to +158 °F) |
| 01860.0-02 | AC 120 V, 60 Hz | 345 m ³ /h | 60 W | 55 dB (A) | 52 mm | 246 x 246 mm + 0.4 | 3.3 kg | -10 to +70 °C (+14 to +158 °F) / -40 to +70 °C (-40 to +158 °F) |
| 01861.0-02 | AC 120 V, 60 Hz | 575 m ³ /h | 85 W | 67 dB (A) | 107 mm | 246 x 246 mm + 0.4 | 2.6 kg | -25 to +70 °C (-13 to +158 °F) |

ROOF EXIT FILTER REP 118

| Art. No. | Depth in enclosure | Enclosure cut-out | Weight (approx.) | Filter mat | Protection type |
|------------|--------------------|--------------------|------------------|--|-----------------|
| 11860.0-00 | 11 mm | 246 x 246 mm + 0.4 | 1.0 kg | ISO coarse 55% acc. to ISO 16890 (G3), initial gravimetric arrestance 57 % | IP32 |

FILTER MAT FM 086

| Filter mat | 282 x 282 mm |
|------------------------------|---------------------|
| G3 (1 packing unit = 3 pcs.) | Art. No. 08613.0-01 |