

# ROOF FILTER FAN

RFP 018 | 300 m<sup>3</sup>/h, 500 m<sup>3</sup>/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

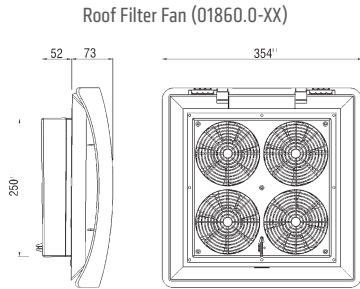
Roof filter fans find use in enclosures and housings, from which warm air has to be diverted to lower the internal temperature. These low-noise roof filter fans are used to expel warm air from within the enclosure which has been generated by the stray power of the components and so protects the internal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



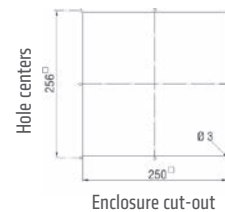
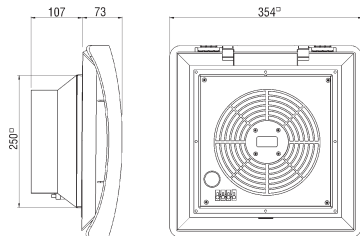
## TECHNICAL DATA

<b>Axial fans, ball bearing</b>	service life 50,000 h at +25 °C (+77 °F), 65 % RH fan body aluminium, rotor plastic
<b>Connection</b>	3-pole clamp for 2.5 mm <sup>2</sup> , clamping torque 0.8 Nm max.
<b>Casing</b>	plastic according to UL94 V-0, light grey; weather proof and UV light resistant according UL746C (f1)
<b>Filter mat</b>	G3 acc. to DIN EN 779, filtering degree 85 %
<b>Filter material</b>	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
<b>Operating/Storage humidity</b>	max. 90 % RH (non-condensing)
<b>Protection type/Protection class</b>	IP32 / I (earthed)
<b>Approvals</b>	EAC, VDE (AC 230 V only), UL intended

**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 (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 <sup>3</sup> /h	68 W	55 dB (A)	52 mm	250 x 250 mm + 0.4	3.3 kg	-10 to +70 °C (+14 to +158 °F) / -40 to +70 °C (-40 to +158 °F)
<b>01861.0-00</b>	<b>AC 230 V, 50 Hz</b>	500 m <sup>3</sup> /h	64 W	67 dB (A)	107 mm	250 x 250 mm + 0.4	2.6 kg	-25 to +70 °C (-13 to +158 °F)
01860.0-02	AC 120 V, 60 Hz	345 m <sup>3</sup> /h	60 W	55 dB (A)	52 mm	250 x 250 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 <sup>3</sup> /h	85 W	67 dB (A)	107 mm	250 x 250 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	250 x 250 mm + 0.4	1.0 kg	G3 acc. to DIN EN 779, filtering degree 85 %	IP32

## FILTER MAT FM 086

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