



- **Very low noise**
- **Minimal depth in enclosure**
- **High through-flow air volume**
- **Uniform air circulation**
- **High reliability**
- **Time-saving installation**

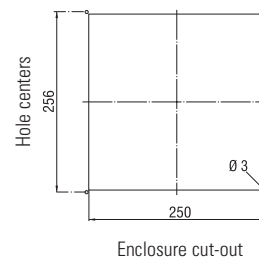
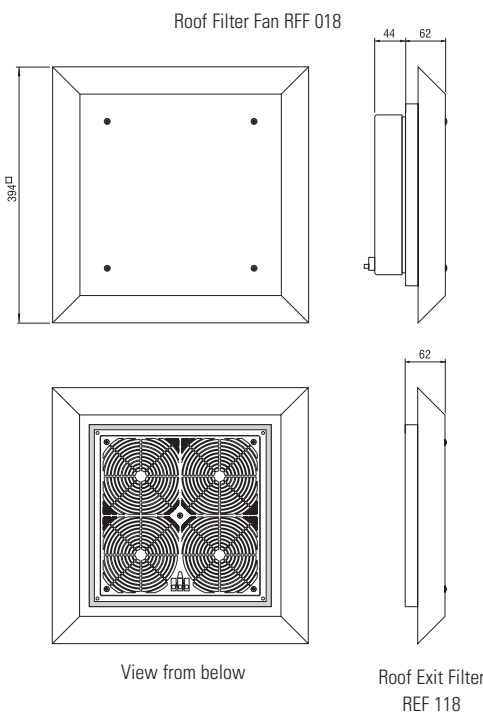
Roof filter fans and roof exit filters find use in enclosures, from which warm air has to be diverted due to increased heat development. The ready-to-connect and low-noise roof filter fan, which houses **four axial fans**, is used to expel warm air from within the enclosure which has been generated by the stray power of the components. The roof exit filter provides passive ventilation.



Technical Data

Axial fans, ball bearing	service life 50,000h at 25°C/77°F (65% RH) fan body aluminium, rotor plastic
Connection	3-pole clamp for 2.5mm ²
Casing	plastic acc. to UL94 V-0/lacquered steel sheet, light grey
Filter mat	G3 acc. to DIN EN 779, filtering degree 85%
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 temperature	-45 to +70°C (-49 to +158°F)
Protection type	IP54 (with filter mat) / IP33 (without filter mat)
Protection class	I (earthed)
Approvals	UL File No. E234324

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



Roof Filter Fan RFF 018 Series

Art. No.	Operating voltage	Air volume, free flow	Air volume, free flow	Current consumption	Power consumption	Average noise level (DIN EN ISO 4871)	Depth in enclosure	Enclosure cut-out	Weight (approx.)
01850.0-00	230VAC, 50Hz	350m ³ /h (w/ filter mat G3)	500m ³ /h (w/o filter mat)	400mA	60W	55db (A)	44mm	250 x 250mm + 0.4	4.40kg
01850.0-01	120VAC, 60Hz	402m ³ /h (w/ filter mat G3)	575m ³ /h (w/o filter mat)	700mA	60W	55db (A)	44mm	250 x 250mm + 0.4	4.40kg

Roof Exit Filter REF 118 Series

Art. No.	Depth in enclosure	Enclosure cut-out	Weight (approx.)	Filter mat	Protection type
11850.0-00	none	250 x 250mm + 0.4	2.00kg	G3 acc. to DIN EN 779, filtering degree 85%	IP54 (w/ filter mat)

Filter Mats FM 086

Filter mat	282 x 282 mm
(1 packing unit = 3 pcs.)	Art. No. 08613.0-00

Specifications are subject to change without notice. Errors and omissions excepted. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application. 24.04.2006