



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

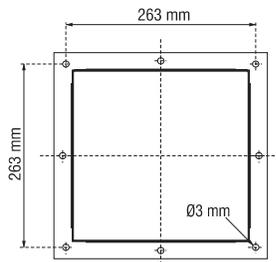
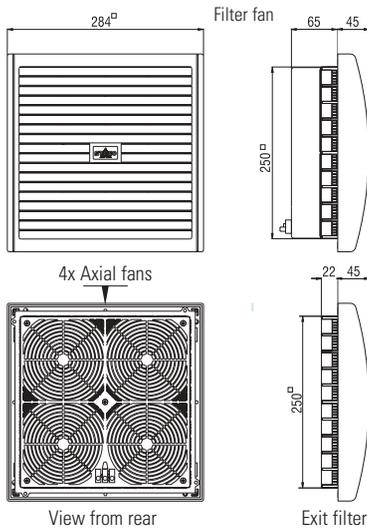
Filter fans are used to provide an optimum climate in enclosures. The interior temperature of an enclosure can be reduced by channelling cooler filtered outside air into the enclosure thus expelling heated internal air. The resulting air flow prevents formation of localised hot pocket and protects the electronic components from overheating. **Four integrated axial fans** provide a particularly high and uniform air circulation thus contributing to higher reliability.



Technical Data

Axial fan, ball bearing	service life min. 50,000h at 25°C/77°F (65% RH) fan body aluminium, rotor plastic
Connection	3-pole clamp for 2.5mm ² , clamping torque 0.8Nm
Filter fan and exit filter casing	plastic according to UL94 V-0, light grey
Mounting frame	with double industrial adhesive band for fixing to the outside of enclosure; certain operating circumstances can make the additional use of screws necessary (see drilling template); included in the delivery of the filter fans is a template for the enclosure cut-out
Filter mat	G4 acc. to DIN EN 779, filtering degree 94%
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)
Prot. Type / Protection class	IP54* / I (earthed)

*Using fine filter mats type F5 increases the protection type to IP55, but reduces the air volume.



Drilling template for mounting frame

Filter Fan FF 018 Series

Art. No.	Operating voltage	Air volume, free flow	Air volume with exit filter	Current consumption	Power consumption	Average noise level (DIN EN ISO 4871)	Depth in enclosure	Enclosure cut-out	Weight (approx.)	Approvals
01803.0-00	230VAC, 50Hz	300m ³ /h	230 m ³ /h	400 mA	60W	53dB (A)	65mm	250 x 250mm + 0.4	3.30kg	UL File No. E234324
01803.0-01	120VAC, 50Hz	345m ³ /h	264 m ³ /h	700 mA	60W	53dB (A)	65mm	250 x 250mm + 0.4	3.30kg	UL File No. E234324

Exit Filter EF 118 Series

Art. No.	Depth in enclosure	Enclosure cut-out	Weight (approx.)	Filter mat	Protection type
11803.0-00	22mm	250 x 250mm + 0.4	1.00kg	G4 acc. to DIN EN 779, filtering degree 94%	IP54*

*Using fine filter mats type F5 increases the protection type to IP55, but reduces the air volume.

Filter Mats FM 086 / FFM 086

Filter mat	247 x 247mm
G4 (1 packing unit = 3 pcs.)	Art. No. 08608.0-00
F5 (1 packing unit = 3 pcs.)	Art. No. 08609.0-00