

OUTDOOR FILTER FAN

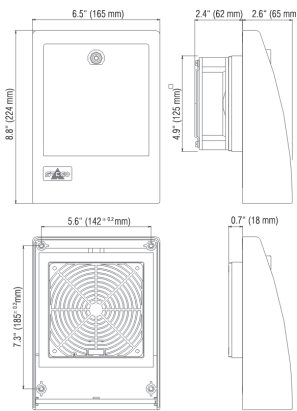
FF 018 | 14 CFM



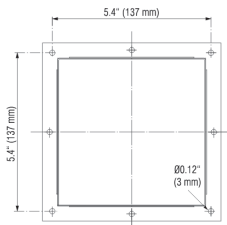
Outdoor filter fan

- > Quick and easy filter change
- > Lockable outer door
- > Impact resistant
- > Weather and UV resistant

This filter fan can be used in outdoor enclosures where warm air has to be dissipated. To clean and exchange the filter mat, it is only necessary to open the lockable door of the outdoor hood eliminating the need to allow interior access to the enclosure. A protection type of IP55 is achieved due to the special design of the hood and the use of fine filter mats. The plastic used for the hood of this filter fan is highly weather and UV light resistant.



View from rear Outdoor exhaust filter



Drilling template for mounting frame

TECHNICAL DATA

Axial fan, ball bearing	service life min. 50,000 h at 77 °F (25 °C) and 65 %RH aluminum fan body, plastic rotor
Connection	2 wires w/ cage clamps, AWG 14 (2.5 mm ²), length 4" (100 mm)
Filter fan and exhaust filter housing	plastic according to UL 94V-0, light grey; weather and UV light resistant according to UL 746C (f1)
Mounting frame	with double-sided industrial adhesive for mounting to the outside of enclosure; certain operating circumstances may make the additional use of screws necessary; cut-out template included
Filter media rating	F5 acc. to DIN EN 779, filtering degree 98%
Filter material	synthetic fiber with progressive construction, temperature resistant to 212 °F, self-extinguishing class F1; moisture resistant to 100 %RH
Operating / Storage temperature	+14 to +158 °F (-10 to +70 °C) / -40 to +158 °F (-40 to +70 °C)
Operating / Storage humidity	max. 90 %RH (non-condensing)
Protection class / Protection type	I (grounded) / IP55
Approvals	UL File No. E234324, VDE, GOST TR

Note: The hood is attached permanently to the enclosure from the inside using provided screws. Filter mats can be easily changed from outside the enclosure through the lockable door in the hood.

Part No.	Operating voltage	Air volume, free blowing	Current consumption	Power consumption	Average noise level (DIN EN ISO 4871)	Mounting depth	Enclosure cut-out	Weight (approx.)
01821.0-00	AC 230 V, 50 Hz ¹	12 cfm (20 m ³ /h)	100 mA	15 W	40 dB (A)	2.4" (62 mm)	4.9 x 4.9"	2.6 lbs. (1.2 kg)
01821.0-02	AC 120 V, 60 Hz	14 cfm (23 m ³ /h)	180 mA	15 W	40 dB (A)	2.4" (62 mm)	4.9 x 4.9"	2.6 lbs. (1.2 kg)

¹ air volume increases by 15% when operating AC 230 V filter fans at 60 Hz

EXHAUST FILTER EF 11821

Part No.	Mounting depth	Enclosure cut-out	Weight (approx.)	Filter mat	Protection type
11821.0-00	0.6" (16 mm)	4.9 x 4.9"	1.6 lbs. (0.6 kg)	F5 acc. to DIN EN 779, filtering degree 98%	IP55

FILTER MAT FM 086

Filter mat	4.6 x 4.6" (118 x 118 mm)
F5 (1 packing unit = 3 pcs.)	Part No. 08604.0-00