FILTER FAN PLUS - SIZE 3 (176 X 176 MM)

FPI 018 | 01872.0-30



Filter fan FPI size 3 (176 x 176 mm) for air conditioning enclosures and casings. Configuration: FPI - airflow direction "in" (standard version: blowing). Optimum air conditioning for your enclosure: The Filter Fan Plus blows cooler outside air into the enclosure. The warmer air inside the enclosure is discharged via the exit filter. The resulting air flow cools the enclosure and protects the components from overheating.

- Only one filter mat required (on the filter fan)
- Easy installation thanks to mounting frame with twist locks
- Effective air circulation
- Accessories: Hose-proof hood to increase the protection type to IP56

OVERVIEW TECHNICAL DATA

Device type	Filter fan Plus (AC)
Protection class	I
Protection type	IP54
Material hood	Plastic to UL94 V-0, light grey
Filter material	Plastic fibre with progressive structure
Filter mat	G3
Casing	Plastic to UL94 V-0, light grey
AC/DC	AC
Operating voltage	230 V
Frequency	50 Hz
Power consumption	45 W
Axial fan	Aluminium fan body, rotor metal
Cooling airflow rate outlet filter	139 m³/h
Cooling airflow rate blowing	170 m³/h
Average emission sound pressure level	55 dB(A)
Service life	>65000 h
Operating temperature	-25 °C - 50 °C
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Storage temperature	-40 °C - 70 °C
Torque	0,8 Nm max.
Connection	3-pole clamp 2.5 mm²
Mounting frame	With 4 built-in rotary latches for locking
Height	215 mm
Width	215 mm

Depth	142 mm
Installation depth	117 mm
Weight	1600 g
Mounting cut-out	176 x 176 mm
Item number accessories 1	08635.0-00
Item number accessories 2	11872.0-00
Item number accessories 3	08672.0-00
Accessory 1	Replacement filter mat FM 086
Accessory 2	FPI 118 exit filter with air-flap outlet technology
Accessory 3	Water jet protection bonnet FFH 086
Note	Other voltages on request;Drilling pattern for screw fixing marked on mounting frame.
Protection type UL	NEMA Type 12

EXIT FILTER - SIZE 3 (176 X 176 MM)

Article number	Filter mat	Height	Width	Depth	Installation depth	Weight
11872.0-00	ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 %	215 mm	215 mm	67 mm	25 mm	400 g

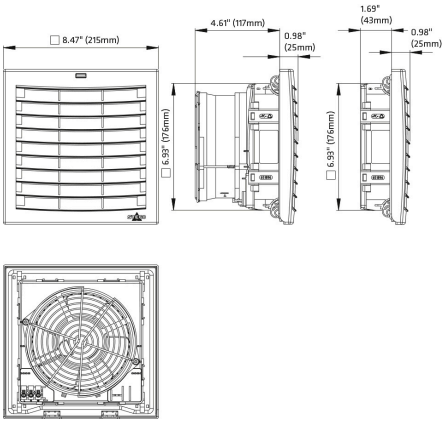
FILTER MAT BAG

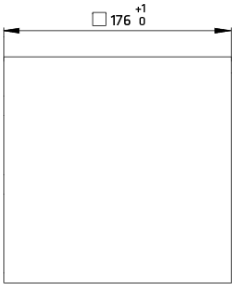
Article number	packaging_size	Filter mat	Mounting cut-out
08635.0-00	5 Piece	ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 %	168x168 mm

HOSE-PROOF HOOD

Article number	material_sealing	cutout_dimension	Height	Width	Depth	Weight
08672.0-00	Silicone, food safe	FPI/FPO 018 176 x 176 mm	359 mm	294 mm	68 mm	2000 g

TECHNICAL DRAWINGS





Enclosure cut-out