FILTER FAN PLUS - SIZE 1 (92 X 92 MM)

FPI 018



Filter fan FPI size 1 (92 x 92 mm) for air conditioning enclosures and casings. Configuration: FPI - airflow direction "in" (standard version: blowing). Optimum air conditioning of 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
Axial fan	Fan body aluminium, rotor metal
Service life	>50000 h
Operating temperature	-40 °C - 70 °C
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Storage temperature	-40 °C - 70 °C
Connection	2 stranded wires, 300 mm
Mounting frame	With 4 built-in rotary latches for locking
Height	120 mm
Width	120 mm
Depth	88 mm
Installation depth	66 mm
Weight	600 g
Mounting cut-out	92 x 92 mm
Item number accessories 1	08633.0-00
Item number accessories 2	11870.0-00
Item number accessories 3	08670.0-00

Accessory 1	Replacement filter mat FM 086
Accessory 2	FPI 118 exit filter with air-flap outlet technology
Accessory 3	Water jet protection hood FFH 086
Note	Other voltages on request;Drilling pattern for screw fixing marked on mounting frame.
Protection type UL	NEMA Type 12

PRODUCT VARIANTS

Article number	Operating voltage	Frequency	Power consumption	Cooling airflow rate outlet filter	Cooling airflow rate blowing	Average emission sound pressure level
01870.0-30	230 V	50 Hz	12 W	13 m³/h	19 m³/h	39 dB(A)
01870.9-30	115 V	60 Hz	11 W	16 m³/h	23 m³/h	43 dB(A)

EXIT FILTER - SIZE 1 (92 X 92 MM)

Article number	Filter mat	Height	Width	Depth	Installation depth	Weight
11870.0-00	ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 %	120 mm	120 mm	51 mm	22 mm	200 g

FILTER MAT BAG

Article number	packaging_size	Filter mat	Mounting cut-out
08633.0-00	5 Piece	ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 %	84x84 mm

HOSE-PROOF HOOD

Article number	material_sealing	cutout_dimension	Height	Width	Depth	Weight
08670.0-00	Silicone, food safe	FPI/FPO 018 92 x 92 mm	214 mm	195 mm	48 mm	800 g

TECHNICAL DRAWINGS