FILTER FAN - SIZE 1

FF 018



Size 1 filter fan for optimum ventilation of enclosures and casings with electrical/electronic installations. The internal temperature is lowered by supplying filtered, cooler outside air and discharging heated inside air. The resulting air flow prevents the formation of hot pockets and protects the components from overheating. This filter fan series is intended for indoor use. The plastic used for the hood material is highly UV light resistant.

- Quiet in operation
- Low installation depth
- Functional design
- Time-saving installation and maintenance
- UV light resistant

OVERVIEW TECHNICAL DATA

Device type	Filter fan
Protection class	I
Protection type	IP54
Material hood	Plastic to UL94 V-0, light grey
Filter material	Plastic fibre with progressive structure
Filter mat	G4
Casing	UL94 V-0 plastic, light grey
AC/DC	AC
Power consumption	13 W
Axial fan	Fan body aluminium, rotor plastic
Average emission sound pressure level	31 dB(A)
Service life	>50000 h
Operating temperature	-10 °C - 70 °C
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Storage temperature	-40 °C - 70 °C
Connection	2 stranded wires, 100 mm long, with 2.5 mm² pressure clamps
Drill hole spacing	109 mm
Height	134 mm
Width	129 mm
Depth	80 mm
Installation depth	45 mm
Weight	600 g
Mounting cut-out	97 x 97 mm

Item number accessories 1	08600.0-00
Item number accessories 2	11800.0-00
Accessory 1	Replacement filter mat FM 086 (3 pcs.)
Accessory 2	Exit filter EF 118

PRODUCT VARIANTS

Article number	Operating voltage	Frequency	Cooling airflow rate outlet filter	Cooling airflow rate blowing
01800.0-00	230 V	50 Hz	16 m³/h	21 m³/h
01800.0-01	120 V	60 Hz	18 m³/h	24 m³/h

EXIT FILTER - SIZE 1

Article number	Filter mat	Height	Depth	Installation depth	Weight
11800.0-00	ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 %	134 mm	51 mm	16 mm	300 g

FILTER MAT BAG

Article number	packaging_size	Filter mat	Mounting cut-out
08600.0-00	3 Piece	ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 %	89x89 mm
08603.0-00	3 Piece	ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 %	89x89 mm

TECHNICAL DRAWINGS