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

## FPO 018 | 01882.9-00



Filter fan FPO size 3 (176 x 176 mm) for air conditioning enclosures and casings. Configuration: FPO - airflow direction "out" (design: intaking). Optimum filter fan for enclosures: The Filter Fan Plus draws the heating air from the enclosure to the outside. Cooler outside air enters the enclosure via the inlet filter. The air flow protects the electrical components.

- Filter fan with self-closing flaps as air outlet
- Only one filter mat required (on the inlet filter)
- 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 | Flaps |
| Casing | Plastic to UL94 V-0, light grey |
| AC/DC | AC |
| Operating voltage | 115 V |
| Frequency | 60 Hz |
| Power consumption | 38 W |
| Axial fan | Aluminium fan body, rotor metal |
| Cooling airflow rate outlet filter | 166 m³/h |
| Cooling airflow rate blowing | 313 m³/h |
| Average emission sound pressure level | 60 dB(A) |
| Service life | >65000 h |
| Operating temperature | -25 °C - 70 °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 |
| 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 | 11882.0-30 |
| Item number accessories 3 | 08672.0-00 |
| Accessory 1 | Replacement filter mat FM 086 |
| Accessory 2 | Exit filter FP0 118 with filter mat G3 |
| Accessory 3 | Water jet protection bonnet FFH 086 |
| Note | Drilling pattern for screw fixing marked on mounting frame. |
| Protection type UL | NEMA Type 12 |

## 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 |

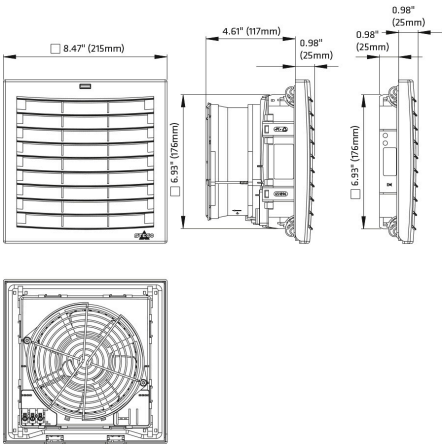
## HOSE-PROOF HOOD

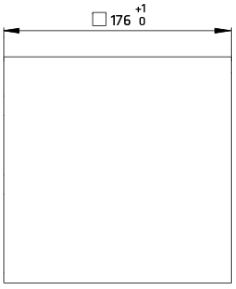
| Article number | material_sealing | cutout_dimension | Height | Width | Depth | Weight |
|---|---|---|---|---|---|---|
| 08672.0-00 | Silicone, food safe | FPI/FPO 018 176 x 176 mm | 359 mm | 294 mm | 68 mm | 2000 g |

## INLET FILTER - SIZE 3 (176 X 176 MM)

| Article number | Filter mat | Height | Width | Depth | Installation depth | Weight |
|---|---|---|---|---|---|---|
| 11882.0-30 | ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 % | 215 mm | 215 mm | 50 mm | 25 mm | 400 g |

## TECHNICAL DRAWINGS




Enclosure cut-out