

# FILTER FAN PLUS - SIZE 5 (291 X 291 MM)

FPO 018



Filter fan FPO size 5 (291 x 291 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

|                     |                                                             |
|---------------------|-------------------------------------------------------------|
| Protection class    | I                                                           |
| Protection type     | IP54                                                        |
| Material hood       | Plastic to UL94 V-0, light gray                             |
| Filter mat          | Flaps                                                       |
| Casing              | Plastic to UL94 V-0, light gray                             |
| AC/DC               | AC                                                          |
| Axial fan           | Fan body aluminium, rotor metal                             |
| Operating humidity  | ≤75 % RH                                                    |
| Storage humidity    | ≤75 % 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              | 322 mm                                                      |
| Width               | 322 mm                                                      |
| Depth               | 189 mm                                                      |
| Installation depth  | 160 mm                                                      |
| Mounting cut-out    | 291 x 291 mm                                                |
| Note                | 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 | Service life | Operating temperature                      | Weight |
|----------------|-------------------|-----------|-------------------|------------------------------------|------------------------------|---------------------------------------|--------------|--------------------------------------------|--------|
| 01884.9-00     | 115 V             | 60 Hz     | 90 W              | 391 m³/h                           | 703 m³/h                     | 62 dB(A)                              | >76000 h     | -40 °C - 55 °C                             | 3200 g |
| 01884.0-01     | 230 V             | 50 Hz     | 140 W             | 599 m³/h                           | 1010 m³/h                    | 70 dB(A)                              | >54000 h     | -40 °C - 55 °C                             | 3400 g |
| 01884.0-00     | 230 V             | 50 Hz     | 95 W              | 413 m³/h                           | 727 m³/h                     | 63 dB(A)                              | >76000 h     | -40 °C - 55 °C                             | 3200 g |
| 01884.9-01     | 115 V             | 60 Hz     | 165 W             | 609 m³/h                           | 1031 m³/h                    | 71 dB(A)                              | >54000 h     | 50 Hz: —40 - +55 °C 60 Hz: -25 - +50 °C °C | 3400 g |

FILTER MAT BAG

| Article number | Packaging unit | Filter mat                                                                             | Mounting cut-out |
|----------------|----------------|----------------------------------------------------------------------------------------|------------------|
| 08637.0-00     | 5 Piece        | ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 % | 283x283 mm       |

HOSE-PROOF HOOD

| Article number | Material sealing    | Cut-out dimensions       | Height | Width  | Depth  | Weight |
|----------------|---------------------|--------------------------|--------|--------|--------|--------|
| 08674.0-00     | Silicone, food safe | FPI/FPO 018 291 x 291 mm | 485 mm | 409 mm | 103 mm | 3700 g |

INLET FILTER - SIZE 5 (291 X 291 MM)

| Article number | Filter mat                                                                             | Height | Width  | Depth | Installation depth | Weight |
|----------------|----------------------------------------------------------------------------------------|--------|--------|-------|--------------------|--------|
| 11884.0-30     | ISO coarse 55 % according to ISO 16890 (G3), grav. Initial gravimetric arrestance 57 % | 322 mm | 322 mm | 54 mm | 25 mm              | 800 g  |

TECHNICAL DRAWINGS

