

Filter Fans for Larger Enclosures

FF018 Large Series



- ✓ Very Low Noise
- ✓ Minimal Depth in Enclosure
- ✓ Functional Design
- ✓ Time-Saving Installation

In addition to the easy mounting axial fan, the self-adhesive seal of the mounting frame prevents dust and water from entering the cabinet. The functional design of the intake and exhaust fan hoods very effectively prevents direct infiltration of falling water and dust. The design also provides air channeling which makes the filter fan particularly quiet in operation.

SPECIFICATIONS

Air Flow Free Blowing

FF01803000: 300 m³/h (176 cfm)

FF01805001: 550 m³/h (323 cfm)

Air Flow with Exhaust Filter

FF01803000: 230 m³/h (135 cfm)

FF01805001: 300 m³/h (176 cfm)

Current Consumption 120V

FF01803000: 700 mA

FF01805001: 780 mA

Power Consumption 120V

FF01803000: 60 W

FF01805001: 85 W

Average Noise Level at 1 m (3')

(DIN EN ISO 9614-2):

FF01803000: 53 db (A)

FF01805001: 65 db (A)

Mounting Depth

FF01803000: 65 mm (2.6")

FF01805001: 107 mm (4.2")

Enclosure Cut-Out: 176 x 176 mm ±0.4 (6.9 x 6.9")

Weight:

FF01803000: 3.3 kg (7.3 lb)

FF01805001: 2.7 kg (5.9 lb)

Axial Fan: Ball bearing, aluminum frame, plastic impeller UL94V-0, Operational life min. 50,000 hrs at 25°C (77°F) (RH 65%); operating temperature -45 to 70°C (-49 to 158°F) 2 lead wires 4" long with pressure clamps, type AWG 14 max



FF01803000 shown smaller than actual size.

Filter Fan and Exhaust Filter Housing:

Plastic, UL94V-0, color light grey, UV resistant (rated F1), storage temperature -45 to 70°C (-49 to 158°F)

Mounting Frame: With double sided industrial adhesive band for affixing to the outside of enclosure. Certain operating circumstances may make the additional use of screws necessary

Filter Material: Synthetic fiber with progressive construction, temperature resistant to 100°C (212°F), self-extinguishing class F1. Moisture resistant to 100% RH. Can be cleaned by washing or vacuuming for reuse.

Protection: Standard filter mats G4, (IP54); using fine filter mats F5 increases the protection to IP55 but reduces the air volume.

EXHAUST FILTER SPECIFICATIONS

Filter Mat: Medium Grade 350 g/m², filtering degree 94% for particle Ø<10 µm, G4 (EN 779)

Mounting Depth: 22 mm (0.9")

Enclosure Cut-Out: 250 x 250 mm ±0.4 (9.8 x 9.8")

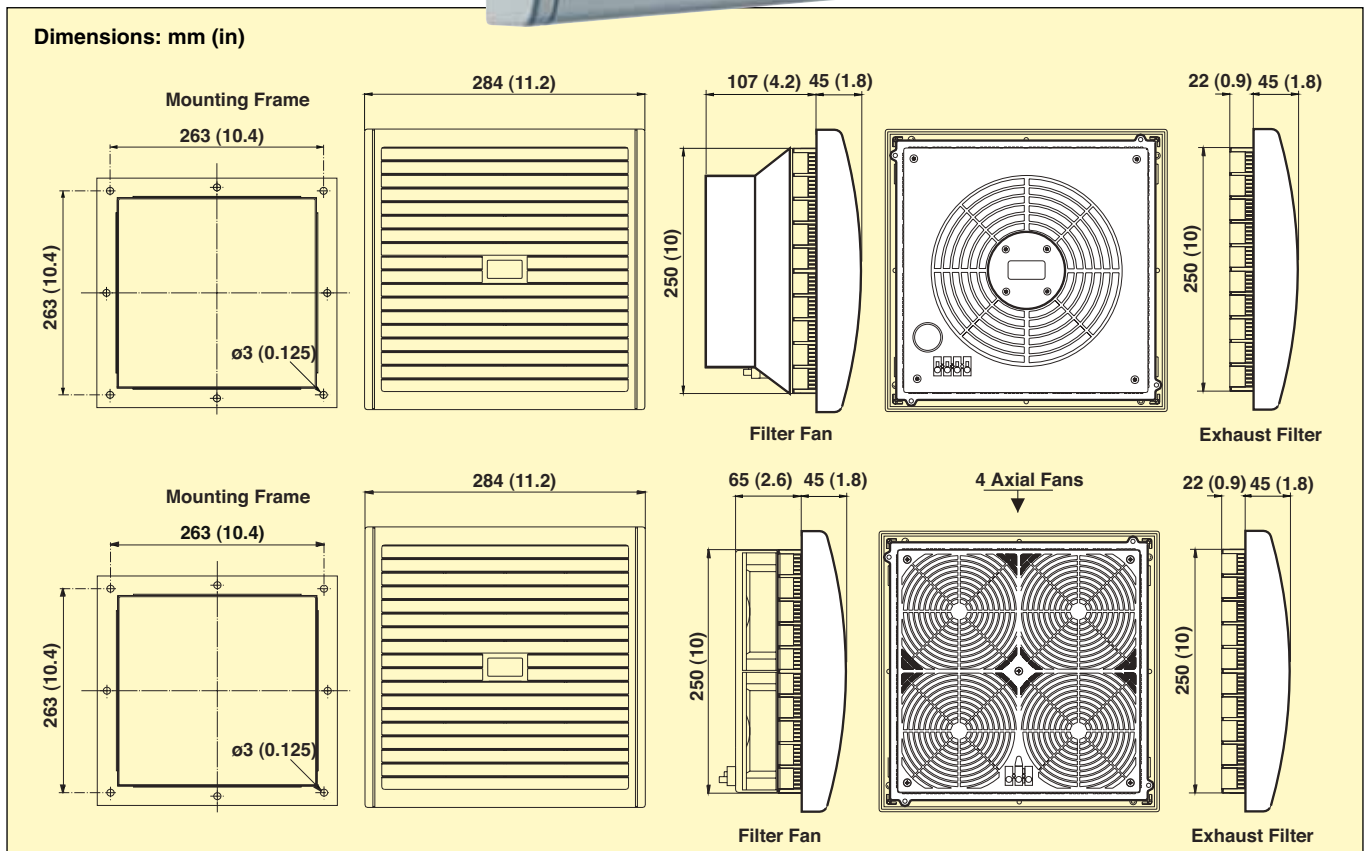
Weight: 0.95 kg (2.1 lb)

Dimensions:

FF01803000: 300 m³/h (176 cfm)

FF01805001: 550 m³/h (323 cfm)

FF01803000 shown smaller than actual size.



To Order

Model No.	Description
FF01803000	Standard filter fan 300 m ³ /h (176 cfm)
FF01805001	Standard filter fan 550 m ³ /h (323 cfm)
EF11803000	Exhaust filter 350 g/m ² , filtering degree 94% for particle $\phi < 10$ m, G4 (EN 779)

Comes complete with operator's manual.

Ordering Example: FF01803000, filter fan, 300 m³/h (176 cfm).