

# Filter Fan Plus



## Air Flap Design

The Stego Filter Fan Plus series employs a new air flap design for the air outlet. The air flaps have less resistance to airflow than an exhaust filter, which allows the Filter Fan Plus system to achieve higher airflow while still preventing the ingress of contaminants. Curved air flaps react to small airflow volumes for maximum opening of flaps. Filter Fan Plus series fans are for indoor use only.

## Ratchet Mounting

A ratchet mechanism is used for mounting, providing a high stability and tightness. No mounting screws needed. Prevents enclosure wall deformity when mounting. Solid locking ensures uniform seal.

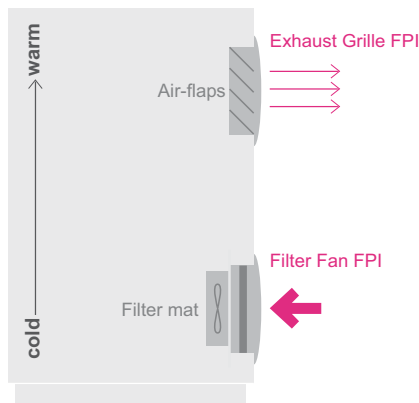


Poured-in-place polyurethane gasket

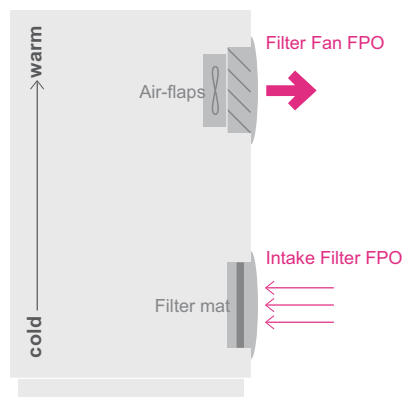


## Filter Fan Plus Models: FPI or FPO

FPI systems (airflow direction 'in') use a filter fan in the lower part of the enclosure, ensuring fresh air is fed into the enclosure. The air rises to the top of the enclosure, cooling the internal space and pushing the warm interior air through the exhaust grille near the top. This grille exhausts hot air more effectively, thanks to new air flap outlet technology.



In FPO systems (airflow direction 'out'), the filter fan is located in the upper area of the enclosure to avoid heat buildups. The heat can be diverted quicker from the critical area. An intake grille with a filter in the lower part of the enclosure allows the colder air from the outside to enter.



A common 3 to 3.5 mm screwdriver is used to release the ratchet mechanism.

# Filter Fan Plus



## Features

- FPI (airflow in) or FPO (airflow out) models
- Air flap outlet technology
- IP54 dust and splash waterproof
- Easy filter change with access provided via the hinged cover
- Impact resistant
- UV light resistant according to UL 746C (f1)
- Flame retardant: UL94 V-0
- Low noise
- 115 and 230VAC models available
- 12, 24, and 48VDC models available
- (4) 6-position ratchet lever mount mechanism will accommodate wall thickness 0.039 - 0.157in (1 - 4mm)

## Construction

- Fan body is light gray plastic polycarbonate
- FPI model has an intake filter fan and an exit grille with air flaps
- FPO model has an exit fan with air flaps and an intake grille with filter
- Poured-in-place polyurethane gasket for better seal
- Mounts using built-in ratchet mechanism; no screws needed. (Hardware provided for optional screw mounting. Hole markings for screw mounting are indicated on mounting frame.)

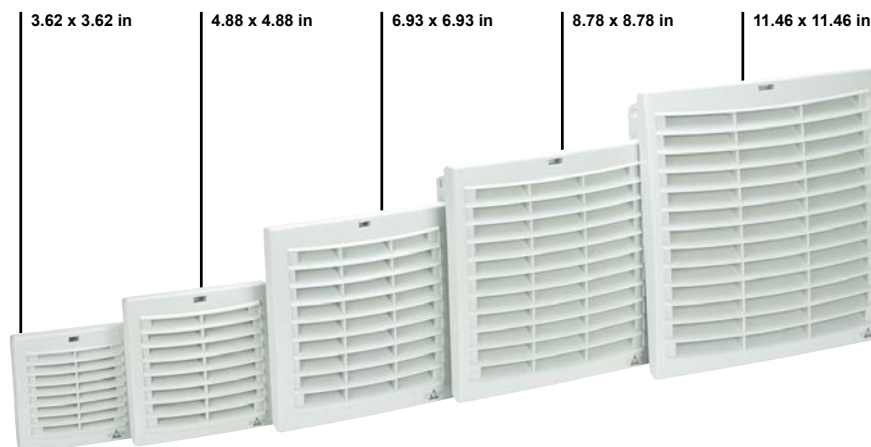
## Standards

- All models: IP54, VDE, EAC, CE, UL 12 when using supplied filter
- UL Recognized - file: E234324



## Applications

Filter fans provide an optimum climate in enclosures with electrical/electronic components. The interior temperature of enclosures is reduced by channeling cooler filtered outside air into the enclosure, thus expelling heated internal air. The resulting air flow prevents formation of localized heat pockets and protects electronic components from overheating.



# Filter Fan Plus



018700-30



118700-00

## 3.62 x 3.62 in [91.95 mm] Cutout Size

- Storage temperature: -40 to 158°F (-40 to 70°C)
- Operating temperature: -4 to 158°F (-20 to 70°C)
- Connection type: 2 stranded wires, 11.8" (300mm) long, AWG 22
- Service life: AC - 52,500 hrs @ 104°F (40°C) DC - 70,000 hrs @ 104°F (40°C)
- Average arrestance: 84% with provided G3 (coarse) filter
- Replacement filter mats G3 (coarse): [086330-00](#) G4 (medium): [086270-00](#) M5 (fine): [086300-00](#)

### Filter Fan Plus - FPI System

| Part Number               | Price   | Description    | Filter/ Air Flaps | Operating Voltage                                                           | Power Consumption (W) | Current Draw (mA) | FreeAirflow (CFM) | Airflow with Grille and Filters (CFM) | Max Static Pressure (Pa) | Sound Level (dB) | Drawing Link        |
|---------------------------|---------|----------------|-------------------|-----------------------------------------------------------------------------|-----------------------|-------------------|-------------------|---------------------------------------|--------------------------|------------------|---------------------|
| <a href="#">018700-30</a> | \$82.00 | Enclosure fan  | G3 filter         | 230 VAC                                                                     | 12W                   | 52 mA             | 11 CFM            | 7.7 CFM                               | 42Pa                     | 39 dBA           | <a href="#">PDF</a> |
| <a href="#">018701-30</a> | \$93.00 | Enclosure fan  | G3 filter         | 48 VDC                                                                      | 3W                    | 63 mA             | 14 CFM            | 10 CFM                                | 45Pa                     | 51 dBA           | <a href="#">PDF</a> |
| <a href="#">018702-30</a> | \$88.00 | Enclosure fan  | G3 filter         | 24 VDC                                                                      | 2.7W                  | 113 mA            | 13 CFM            | 9.4 CFM                               | 42Pa                     | 49 dBA           | <a href="#">PDF</a> |
| <a href="#">018703-30</a> | \$93.00 | Enclosure fan  | G3 filter         | 12 VDC                                                                      | 2.6W                  | 216 mA            | 13 CFM            | 10 CFM                                | 48Pa                     | 36 dBA           | <a href="#">PDF</a> |
| <a href="#">018709-30</a> | \$82.00 | Enclosure fan  | G3 filter         | 115 VAC                                                                     | 11W                   | 96 mA             | 14 CFM            | 9.4 CFM                               | 60Pa                     | 43 dBA           | <a href="#">PDF</a> |
| <a href="#">118700-00</a> | \$27.50 | Exhaust grille | Air flaps         | FPI exhaust grille designed to be used with the FPI fans listed above only. |                       |                   |                   |                                       |                          |                  | <a href="#">PDF</a> |

Note: Performance data (current draw, power consumption, free airflow with a grille and filters, sound level) for all AC fans is based on 60Hz.



018800-00



118800-30



### Filter Fan Plus - FPO System

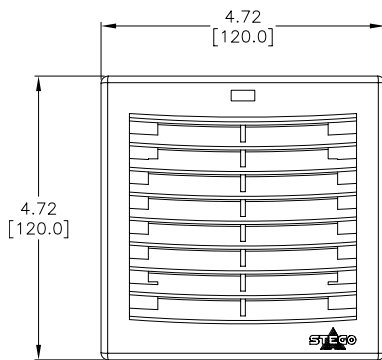
| Part Number               | Price   | Description   | Filter/Air Flaps | Operating Voltage                                                          | Power Consumption (W) | Current Draw (mA) | FreeAirflow (CFM) | Airflow with Grille and Filters (CFM) | Max Static Pressure (Pa) | Sound Level (dB) | Drawing Link        |
|---------------------------|---------|---------------|------------------|----------------------------------------------------------------------------|-----------------------|-------------------|-------------------|---------------------------------------|--------------------------|------------------|---------------------|
| <a href="#">018800-00</a> | \$86.00 | Enclosure fan | Air flaps        | 230 VAC                                                                    | 12W                   | 52 mA             | 14 CFM            | 8.8 CFM                               | 42Pa                     | 38 dBA           | <a href="#">PDF</a> |
| <a href="#">018800-40</a> | \$82.00 | Enclosure fan | G3 filter        | 230 VAC                                                                    | 12W                   | 52 mA             | 11 CFM            | 7.4 CFM                               | 42Pa                     | 36 dBA           | <a href="#">PDF</a> |
| <a href="#">018801-00</a> | \$97.00 | Enclosure fan | Air flaps        | 48 VDC                                                                     | 3W                    | 63 mA             | 19 CFM            | 11 CFM                                | 41Pa                     | 49 dBA           | <a href="#">PDF</a> |
| <a href="#">018802-00</a> | \$92.00 | Enclosure fan | Air flaps        | 24 VDC                                                                     | 2.7W                  | 113 mA            | 18 CFM            | 10 CFM                                | 37Pa                     | 48 dBA           | <a href="#">PDF</a> |
| <a href="#">018803-00</a> | \$97.00 | Enclosure fan | Air flaps        | 12 VDC                                                                     | 2.6W                  | 216 mA            | 19 CFM            | 10 CFM                                | 42Pa                     | 36 dBA           | <a href="#">PDF</a> |
| <a href="#">018809-00</a> | \$86.00 | Enclosure fan | Air flaps        | 115 VAC                                                                    | 11W                   | 96 mA             | 19 CFM            | 11 CFM                                | 56Pa                     | 41 dBA           | <a href="#">PDF</a> |
| <a href="#">018809-40</a> | \$82.00 | Enclosure fan | G3 filter        | 115 VAC                                                                    | 11W                   | 96 mA             | 14 CFM            | 9.4 CFM                               | 56Pa                     | 36 dBA           | <a href="#">PDF</a> |
| <a href="#">118800-30</a> | \$24.50 | Intake grille | G3 filter        | FPO intake grille designed to be used with the FPO fans listed above only. |                       |                   |                   |                                       |                          |                  | <a href="#">PDF</a> |

Note: Performance data (current draw, power consumption, free airflow with a grille and filters, sound level) for all AC fans is based on 60Hz.

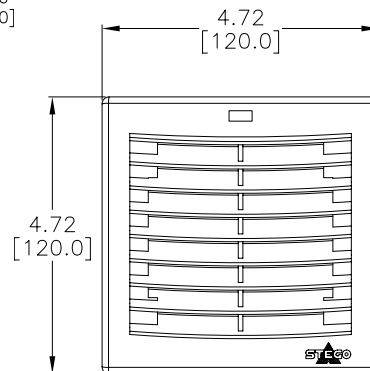
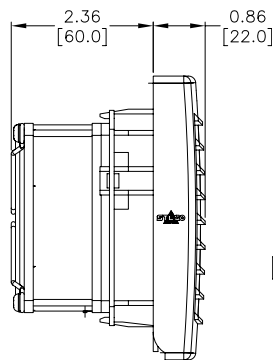
# Filter Fan Plus – Dimensions



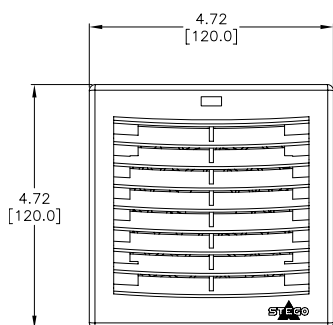
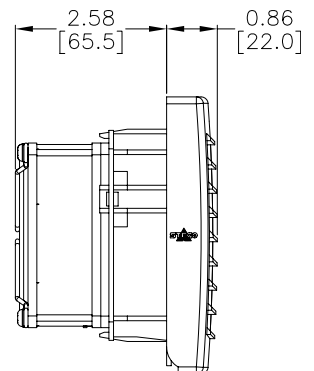
## Dimensions



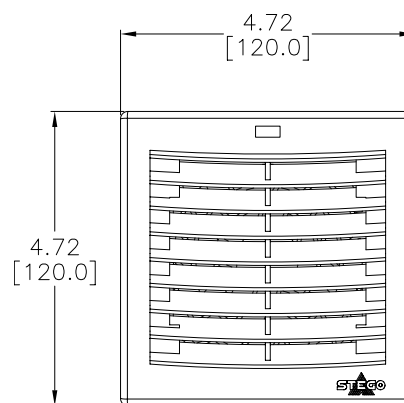
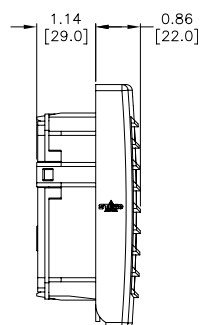
*FPI Fan 3.62 x 3.62 in Cutout Size*



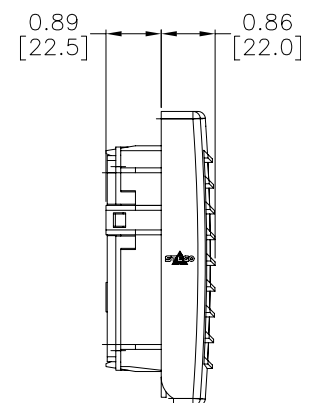
*FPO Fan 3.62 x 3.62 in Cutout Size*



*Exhaust grille for 3.62 x 3.62 in FPI Fan*



*Intake grille for 3.62 x 3.62 in FPO Fan*



# Filter Fan Plus



018710-30



118710-00

## 4.88 x 4.88 in [124 x 124mm] Cutout Size

- Storage temperature: -40 to 158°F (-40 to 70°C)
- Operating temperature: -4 to 158°F (-20 to 70°C)
- Connection type: 2 stranded wires, 11.8" (300mm) long, AWG 22
- Service life: AC - 37,500 hrs @ 104°F (40°C) DC - 65,000 hrs @ 104°F (40°C)
- Average arresstance: 84% with provided G3 (coarse) filter
- Replacement filter mats G3 (coarse): [086330-00](#) G4 (medium): [086270-00](#) M5 (fine): [086300-00](#)

### Filter Fan Plus - FPI System

| Part Number               | Price    | Description    | Filter/ Air Flaps | Operating Voltage                                                           | Power Consumption (W) | Current Draw (mA) | FreeAirflow (CFM) | Airflow with Grille and Filters (CFM) | Max Static Pressure (Pa) | Sound Level (dB) | Drawing Link        |
|---------------------------|----------|----------------|-------------------|-----------------------------------------------------------------------------|-----------------------|-------------------|-------------------|---------------------------------------|--------------------------|------------------|---------------------|
| <a href="#">018710-30</a> | \$90.00  | Enclosure fan  | G3 filter         | 230 VAC                                                                     | 19W                   | 83 mA             | 31 CFM            | 25 CFM                                | 64Pa                     | 49 dBA           | <a href="#">PDF</a> |
| <a href="#">018711-30</a> | \$101.00 | Enclosure fan  | G3 filter         | 48 VDC                                                                      | 4.2W                  | 88 mA             | 39 CFM            | 33 CFM                                | 92Pa                     | 58 dBA           | <a href="#">PDF</a> |
| <a href="#">018712-30</a> | \$96.00  | Enclosure fan  | G3 filter         | 24 VDC                                                                      | 4.1W                  | 171 mA            | 39 CFM            | 33 CFM                                | 87Pa                     | 58 dBA           | <a href="#">PDF</a> |
| <a href="#">018713-30</a> | \$101.00 | Enclosure fan  | G3 filter         | 12 VDC                                                                      | 3.8W                  | 316 mA            | 45 CFM            | 33 CFM                                | 89Pa                     | 42 dBA           | <a href="#">PDF</a> |
| <a href="#">018719-30</a> | \$90.00  | Enclosure fan  | G3 filter         | 115 VAC                                                                     | 18W                   | 157 mA            | 37 CFM            | 30 CFM                                | 70Pa                     | 53 dBA           | <a href="#">PDF</a> |
| <a href="#">118710-00</a> | \$31.00  | Exhaust grille | Air flaps         | FPI exhaust grille designed to be used with the FPI fans listed above only. |                       |                   |                   |                                       |                          |                  | <a href="#">PDF</a> |

Note: Performance data (current draw, power consumption, free airflow with a grille and filters, sound level) for all AC fans is based on 60Hz.



018810-00



118810-30



### Filter Fan Plus - FPO System

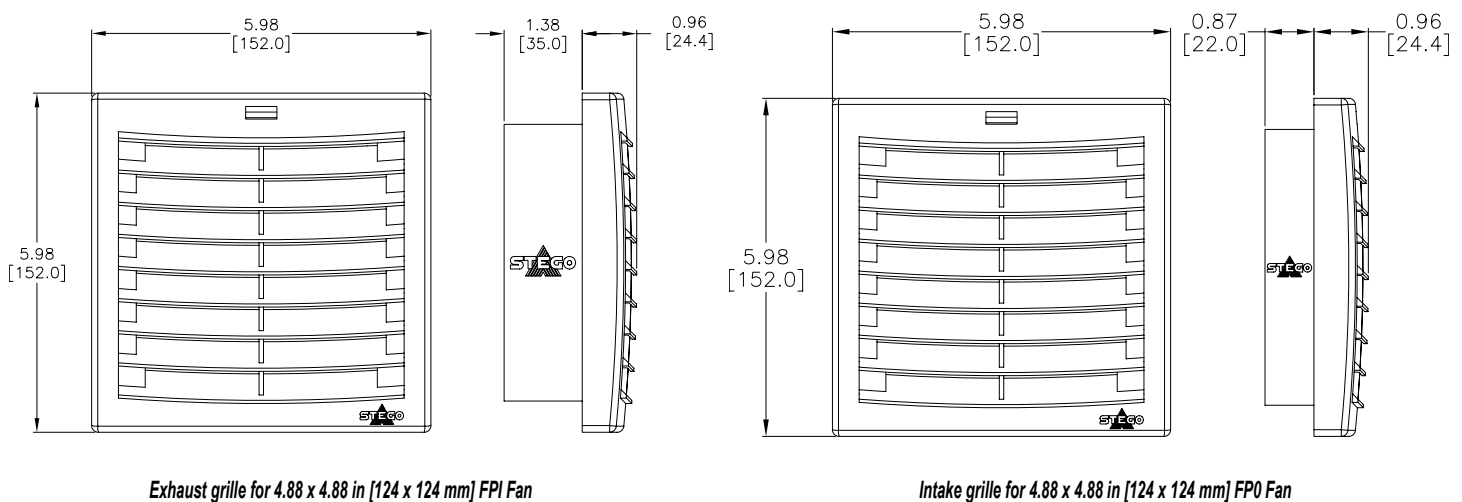
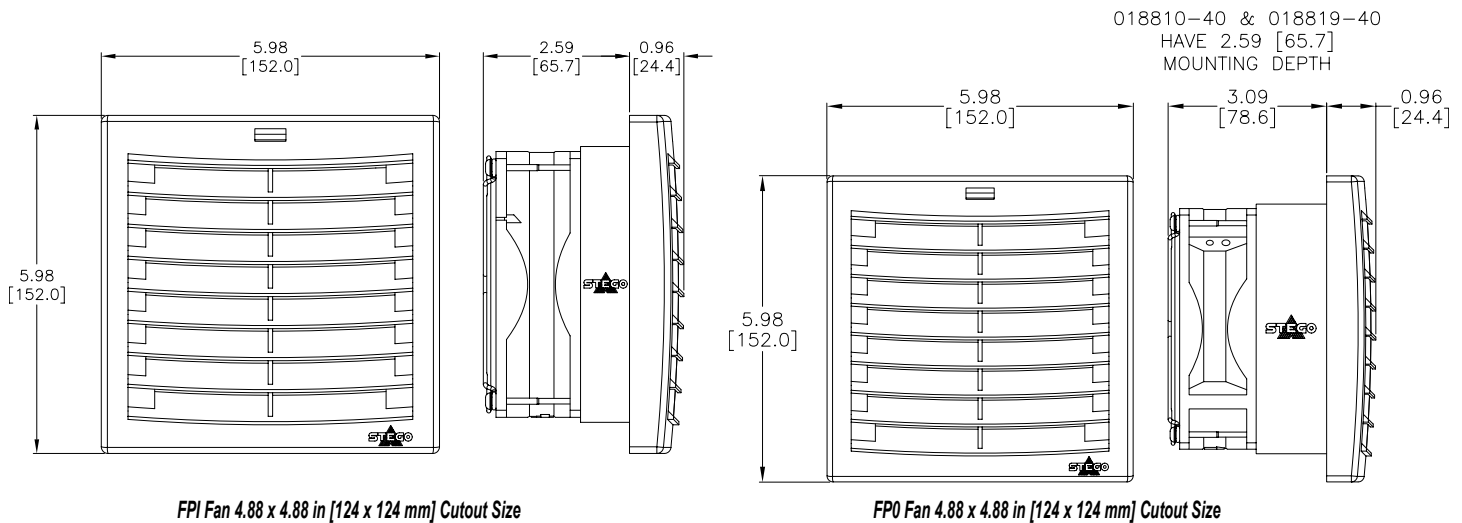
| Part Number               | Price    | Description   | Filter/ Air Flaps | Operating Voltage                                                          | Power Consumption (W) | Current Draw (mA) | FreeAirflow (CFM) | Airflow with Grille and Filters (CFM) | Max Static Pressure (Pa) | Sound Level (dB) | Drawing Link        |
|---------------------------|----------|---------------|-------------------|----------------------------------------------------------------------------|-----------------------|-------------------|-------------------|---------------------------------------|--------------------------|------------------|---------------------|
| <a href="#">018810-00</a> | \$95.00  | Enclosure fan | Air flaps         | 230 VAC                                                                    | 19W                   | 83 mA             | 57 CFM            | 28 CFM                                | 75Pa                     | 49 dBA           | <a href="#">PDF</a> |
| <a href="#">018810-40</a> | \$95.00  | Enclosure fan | G3 filter         | 230 VAC                                                                    | 19W                   | 83 mA             | 32 CFM            | 22 CFM                                | 64Pa                     | 42 dBA           | <a href="#">PDF</a> |
| <a href="#">018811-00</a> | \$106.00 | Enclosure fan | Air flaps         | 48 VDC                                                                     | 4.2W                  | 88 mA             | 74 CFM            | 37 CFM                                | 92Pa                     | 50 dBA           | <a href="#">PDF</a> |
| <a href="#">018812-00</a> | \$101.00 | Enclosure fan | Air flaps         | 24 VDC                                                                     | 4.5W                  | 188 mA            | 70 CFM            | 37 CFM                                | 88Pa                     | 56 dBA           | <a href="#">PDF</a> |
| <a href="#">018813-00</a> | \$106.00 | Enclosure fan | Air flaps         | 12 VDC                                                                     | 4.5W                  | 375 mA            | 70 CFM            | 36 CFM                                | 88Pa                     | 42 dBA           | <a href="#">PDF</a> |
| <a href="#">018819-00</a> | \$95.00  | Enclosure fan | Air flaps         | 115 VAC                                                                    | 18W                   | 157 mA            | 69 CFM            | 34 CFM                                | 82Pa                     | 52 dBA           | <a href="#">PDF</a> |
| <a href="#">018819-40</a> | \$90.00  | Enclosure fan | G3 filter         | 115 VAC                                                                    | 18W                   | 157 mA            | 39 CFM            | 28 CFM                                | 70Pa                     | 42 dBA           | <a href="#">PDF</a> |
| <a href="#">118810-30</a> | \$28.00  | Intake grille | G3 filter         | FPO intake grille designed to be used with the FPO fans listed above only. |                       |                   |                   |                                       |                          |                  | <a href="#">PDF</a> |

Note: Performance data (current draw, power consumption, free airflow with a grille and filters, sound level) for all AC fans is based on 60Hz.

# Filter Fan Plus – Dimensions



## Dimensions



# Filter Fan Plus



018720-30



118720-00

## 6.93 x 6.93 in [176 x 176mm] Cutout Size

- Storage temperature: -40 to 158°F (-40 to 70°C)
- Operating temperature: -13 to 158°F (-25 to 70°C)
- Connection type: 3-pole clamp for AWG 14 (2.5 mm<sup>2</sup>), screw clamp torque 7.1 lb-in (0.8 N-m) max
- Service life: AC - 65,000 hrs @ 104°F (40°C)  
DC - 80,000 hrs @ 104°F (40°C)
- Average arrestance: 84% with provided G3 (coarse) filter
- Replacement filter mats G3 (coarse): [086330-00](#) G4 (medium): [086270-00](#)  
M5 (fine): [086300-00](#)

### Filter Fan Plus - FPI System

| Part Number               | Price    | Description    | Filter/ Air Flaps | Operating Voltage                                                           | Power Consumption (W) | Current Draw (mA) | FreeAirflow (CFM) | Airflow with Grille and Filters (CFM) | Max Static Pressure (Pa) | Sound Level (dB) | Drawing Link        |
|---------------------------|----------|----------------|-------------------|-----------------------------------------------------------------------------|-----------------------|-------------------|-------------------|---------------------------------------|--------------------------|------------------|---------------------|
| <a href="#">018720-30</a> | \$155.00 | Enclosure fan  | G3 filter         | 230 VAC                                                                     | 45W                   | 196 mA            | 100 CFM           | 82 CFM                                | 121Pa                    | 55 dBA           | <a href="#">PDF</a> |
| <a href="#">018721-30</a> | \$228.00 | Enclosure fan  | G3 filter         | 48 VDC                                                                      | 12W                   | 250 mA            | 100 CFM           | 87 CFM                                | 122Pa                    | 63 dBA           | <a href="#">PDF</a> |
| <a href="#">018722-30</a> | \$228.00 | Enclosure fan  | G3 filter         | 24 VDC                                                                      | 12W                   | 500 mA            | 105 CFM           | 92 CFM                                | 125Pa                    | 63 dBA           | <a href="#">PDF</a> |
| <a href="#">018723-30</a> | \$228.00 | Enclosure fan  | G3 filter         | 12 VDC                                                                      | 12W                   | 1000 mA           | 106 CFM           | 88 CFM                                | 127Pa                    | 53 dBA           | <a href="#">PDF</a> |
| <a href="#">018729-30</a> | \$173.00 | Enclosure fan  | G3 filter         | 115 VAC                                                                     | 38W                   | 330 mA            | 120 CFM           | 110 CFM                               | 121Pa                    | 58 dBA           | <a href="#">PDF</a> |
| <a href="#">118720-00</a> | \$42.50  | Exhaust grille | Air flaps         | FPI exhaust grille designed to be used with the FPI fans listed above only. |                       |                   |                   |                                       |                          |                  | <a href="#">PDF</a> |

Note: Performance data (current draw, power consumption, free airflow with a grille and filters, sound level) for all AC fans is based on 60Hz.



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### Filter Fan Plus - FPO System

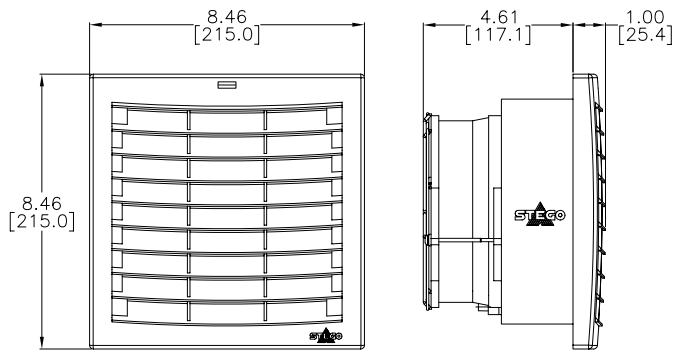
| Part Number               | Price    | Description   | Filter/Air Flaps | Operating Voltage                                                          | Power Consumption (W) | Current Draw (mA) | FreeAirflow (CFM) | Airflow with Grille and Filters (CFM) | Max Static Pressure (Pa) | Sound Level (dB) | Drawing Link        |
|---------------------------|----------|---------------|------------------|----------------------------------------------------------------------------|-----------------------|-------------------|-------------------|---------------------------------------|--------------------------|------------------|---------------------|
| <a href="#">018820-00</a> | \$163.00 | Enclosure fan | Air flaps        | 230 VAC                                                                    | 45W                   | 196 mA            | 155 CFM           | 81 CFM                                | 143Pa                    | 56 dBA           | <a href="#">PDF</a> |
| <a href="#">018820-40</a> | \$155.00 | Enclosure fan | G3 filter        | 230 VAC                                                                    | 45W                   | 196 mA            | 106 CFM           | 71 CFM                                | 121Pa                    | 53 dBA           | <a href="#">PDF</a> |
| <a href="#">018821-00</a> | \$238.00 | Enclosure fan | Air flaps        | 48 VDC                                                                     | 12W                   | 250 mA            | 163 CFM           | 86 CFM                                | 146Pa                    | 63 dBA           | <a href="#">PDF</a> |
| <a href="#">018822-00</a> | \$238.00 | Enclosure fan | Air flaps        | 24 VDC                                                                     | 12W                   | 500 mA            | 158 CFM           | 83 CFM                                | 138Pa                    | 63 dBA           | <a href="#">PDF</a> |
| <a href="#">018823-00</a> | Retired  | Enclosure fan | Air flaps        | 12 VDC                                                                     | 12W                   | 1000 mA           | 164 CFM           | 82 CFM                                | 150Pa                    | 53 dBA           | <a href="#">PDF</a> |
| <a href="#">018829-00</a> | \$181.00 | Enclosure fan | Air flaps        | 115 VAC                                                                    | 38W                   | 330 mA            | 184 CFM           | 98 CFM                                | 162Pa                    | 60 dBA           | <a href="#">PDF</a> |
| <a href="#">018829-40</a> | \$173.00 | Enclosure fan | G3 filter        | 115 VAC                                                                    | 38W                   | 330 mA            | 126 CFM           | 86 CFM                                | 139Pa                    | 53 dBA           | <a href="#">PDF</a> |
| <a href="#">118820-30</a> | \$33.00  | Intake grille | G3 filter        | FPO intake grille designed to be used with the FPO fans listed above only. |                       |                   |                   |                                       |                          |                  | <a href="#">PDF</a> |

Note: Performance data (current draw, power consumption, free airflow with a grille and filters, sound level) for all AC fans is based on 60Hz.

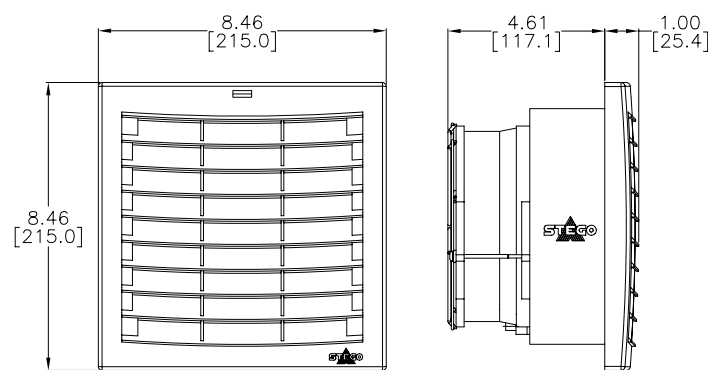
# Filter Fan Plus - Dimensions



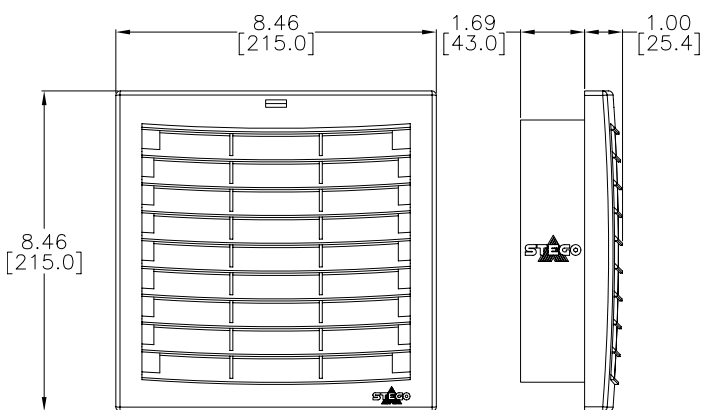
## Dimensions



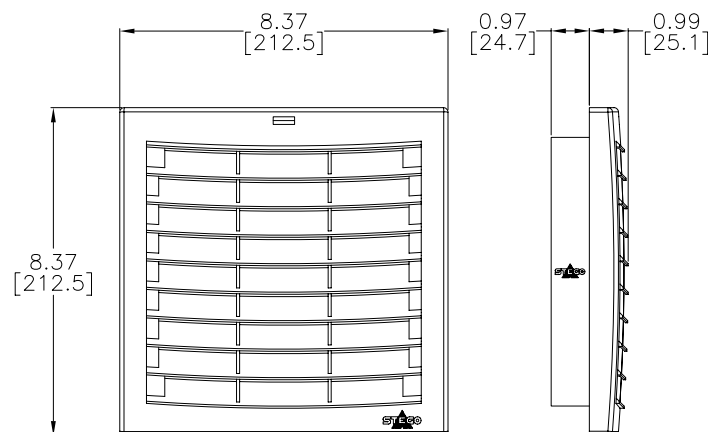
**6.93 x 6.93 in [176 x 176 mm] Cutout Size FPI Fan**



**6.93 x 6.93 in [176 x 176 mm] Cutout Size FPO Fan**



**Exhaust grille for 6.93 x 6.93 in [176 x 176 mm] FPI Fan**



**Intake grille for 6.93 x 6.93 in [176 x 176 mm] FPO Fan**

# Filter Fan Plus



018730-30



118730-00

## 8.78 x 8.78 in [223 x 223mm] Cutout Size

- Storage temperature: -40 to 158°F (-40 to 70°C)
- Operating temperature: -13 to 149°F (-25 to 65°C)
- Connection type: 3-pole clamp for AWG 14 (2.5 mm<sup>2</sup>), clamping torque 7.1 lb-in (0.8 N·m) max
- Service life: 56,000 hrs @ 104°F (40°C)
- Average arrestance: 84% with provided G3 (coarse) filter
- Replacement filter mats G3 (coarse): [086300-00](#) G4 (medium): [086270-00](#) M5 (fine): [086300-00](#)

### Filter Fan Plus - FPI System

| Part Number               | Price    | Description    | Filter/Air Flaps | Operating Voltage                                                           | Power Consumption (W) | Current Draw (mA) | FreeAirflow (CFM) | Airflow with Grille and Filters (CFM) | Max Static Pressure (Pa) | Sound Level (dB) | Drawing Link        |
|---------------------------|----------|----------------|------------------|-----------------------------------------------------------------------------|-----------------------|-------------------|-------------------|---------------------------------------|--------------------------|------------------|---------------------|
| <a href="#">018730-30</a> | \$198.00 | Enclosure fan  | G3 filter        | 230 VAC                                                                     | 64W                   | 278 mA            | 180 CFM           | 160 CFM                               | 154Pa                    | 64 dBA           | <a href="#">PDF</a> |
| <a href="#">018739-30</a> | \$207.00 | Enclosure fan  | G3 filter        | 115 VAC                                                                     | 81W                   | 704 mA            | 195 CFM           | 173 CFM                               | 92Pa                     | 67 dBA           | <a href="#">PDF</a> |
| <a href="#">118730-00</a> | \$56.00  | Exhaust grille | Air flaps        | FPI exhaust grille designed to be used with the FPI fans listed above only. |                       |                   |                   |                                       |                          |                  | <a href="#">PDF</a> |

Note: Performance data (current draw, power consumption, free airflow with a grille and filters, sound level) for all AC fans is based on 60Hz.



018830-00



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### Filter Fan Plus - FPO System

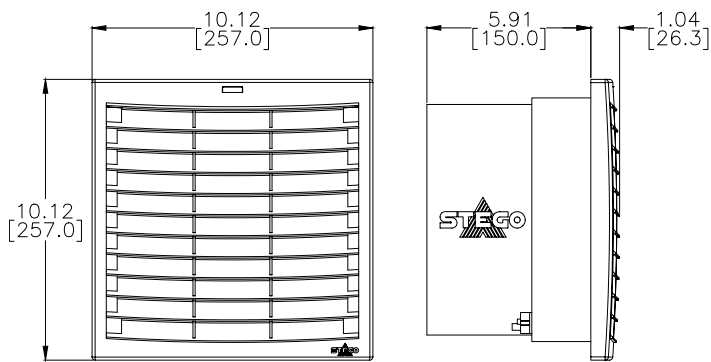
| Part Number               | Price    | Description   | Filter/Air Flaps | Operating Voltage                                                          | Power Consumption (W) | Current Draw (mA) | FreeAirflow (CFM) | Airflow with Grille and Filters (CFM) | Max Static Pressure (Pa) | Sound Level (dB) | Drawing Link        |
|---------------------------|----------|---------------|------------------|----------------------------------------------------------------------------|-----------------------|-------------------|-------------------|---------------------------------------|--------------------------|------------------|---------------------|
| <a href="#">018830-00</a> | \$212.00 | Enclosure fan | Air flaps        | 230 VAC                                                                    | 64W                   | 278 mA            | 316 CFM           | 165 CFM                               | 172Pa                    | 65 dbA           | <a href="#">PDF</a> |
| <a href="#">018830-40</a> | \$198.00 | Enclosure fan | G3 filter        | 230 VAC                                                                    | 64W                   | 278 mA            | 177 CFM           | 134 CFM                               | 154Pa                    | 65 dbA           | <a href="#">PDF</a> |
| <a href="#">018839-00</a> | \$234.00 | Enclosure fan | Air flaps        | 115 VAC                                                                    | 81W                   | 704 mA            | 342 CFM           | 182 CFM                               | 103Pa                    | 68 dBA           | <a href="#">PDF</a> |
| <a href="#">018839-40</a> | \$207.00 | Enclosure fan | G3 filter        | 115 VAC                                                                    | 81W                   | 704 mA            | 191 CFM           | 148 CFM                               | 92Pa                     | 68 dBA           | <a href="#">PDF</a> |
| <a href="#">118830-30</a> | \$40.50  | Intake grille | G3 filter        | FPO intake grille designed to be used with the FPO fans listed above only. |                       |                   |                   |                                       |                          |                  | <a href="#">PDF</a> |

Note: Performance data (current draw, power consumption, free airflow with a grille and filters, sound level) for all AC fans is based on 60Hz.

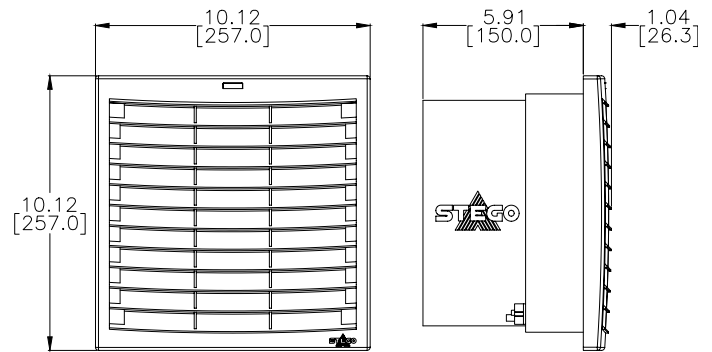
# Filter Fan Plus - Dimensions



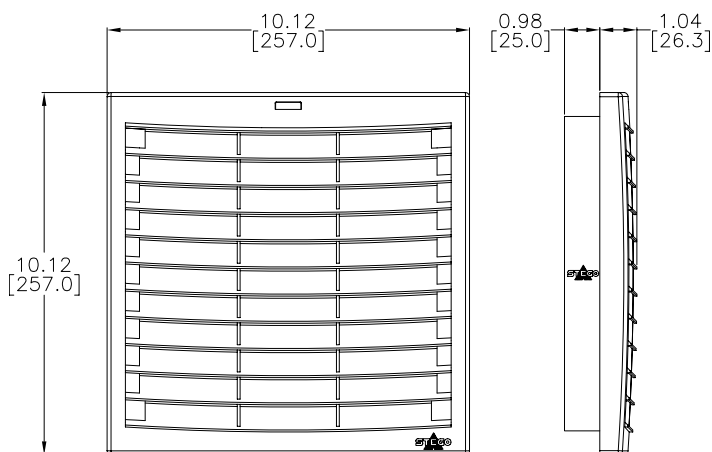
## Dimensions



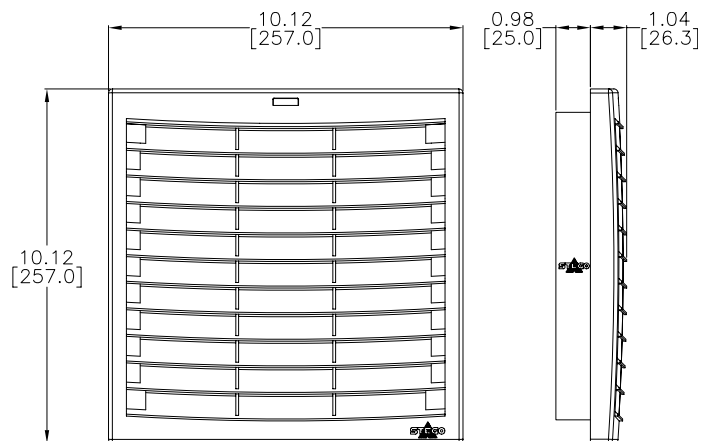
*8.78 x 8.78 in [223 x 223mm] Cutout Size FPI Fan*



*8.78 x 8.78 in [223 x 223mm] Cutout Size FPO Fan*



*Exhaust grille for 8.78 x 8.78 in [223 x 223mm] FPI Fan*



*Intake grille for 8.78 x 8.78 in [223 x 223mm] FPO Fan*

# Filter Fan Plus



018740-30



118740-00

## 11.46 x 11.46 in [291 x 291mm] Cutout Size

- Storage temperature: -40 to 158°F (-40 to 70°C)
- Operating temperature: -13 to 95°F (-25 to 35°C)
- Connection type: 3-pole clamp for AWG 14 (2.5 mm<sup>2</sup>), clamping torque 7.1 lb-in (0.8 N-m) max
- Service life: 76,000 hrs @ 104°F (40°C)
- Average arrestance: 84% with provided G3 (coarse) filter
- Replacement filter mats G3 (coarse): [086330-00](#) G4 (medium): [086270-00](#) M5 (fine): [086300-00](#)

### Filter Fan Plus - FPI System

| Part Number               | Price    | Description    | Filter/Air Flaps | Operating Voltage                                                           | Power Consumption (W) | Current Draw (mA) | FreeAirflow (CFM) | Airflow with Grille and Filters (CFM) | Max Static Pressure (Pa) | Sound Level (dB) | Drawing Link        |
|---------------------------|----------|----------------|------------------|-----------------------------------------------------------------------------|-----------------------|-------------------|-------------------|---------------------------------------|--------------------------|------------------|---------------------|
| <a href="#">018740-30</a> | \$266.00 | Enclosure fan  | G3 filter        | 230 VAC                                                                     | 95W                   | 413 mA            | 255 CFM           | 220 CFM                               | 99Pa                     | 62 dBA           | <a href="#">PDF</a> |
| <a href="#">018740-31</a> | \$330.00 | Enclosure fan  | G3 filter        | 230 VAC                                                                     | 140W                  | 700 mA            | 367 CFM           | 330 CFM                               | 112Pa                    | 70 dBA           | <a href="#">PDF</a> |
| <a href="#">018749-30</a> | \$290.00 | Enclosure fan  | G3 filter        | 115 VAC                                                                     | 90W                   | 783 mA            | 232 CFM           | 200 CFM                               | 73Pa                     | 61 dBA           | <a href="#">PDF</a> |
| <a href="#">018749-31</a> | \$351.00 | Enclosure fan  | G3 filter        | 115 VAC                                                                     | 165W                  | 1450 mA           | 391 CFM           | 349 CFM                               | 135Pa                    | 72 dBA           | <a href="#">PDF</a> |
| <a href="#">118740-00</a> | \$85.00  | Exhaust grille | Air flaps        | FPI exhaust grille designed to be used with the FPI fans listed above only. |                       |                   |                   |                                       |                          |                  | <a href="#">PDF</a> |

Note: Performance data (current draw, power consumption, free airflow with a grille and filters, sound level) for all AC fans is based on 60Hz.



018840-00



118840-30



### Filter Fan Plus - FPO System

| Part Number               | Price    | Description   | Filter/Air Flaps | Operating Voltage                                                          | Power Consumption (W) | Current Draw (mA) | FreeAirflow (CFM) | Airflow with Grille and Filters (CFM) | Max Static Pressure (Pa) | Sound Level (dB) | Drawing Link        |
|---------------------------|----------|---------------|------------------|----------------------------------------------------------------------------|-----------------------|-------------------|-------------------|---------------------------------------|--------------------------|------------------|---------------------|
| <a href="#">018840-00</a> | \$280.00 | Enclosure fan | Air flaps        | 230 VAC                                                                    | 95W                   | 413 mA            | 428 CFM           | 243 CFM                               | 107Pa                    | 63 dBA           | <a href="#">PDF</a> |
| <a href="#">018840-01</a> | \$346.00 | Enclosure fan | Air flaps        | 230 VAC                                                                    | 140W                  | 700 mA            | 595 CFM           | 353 CFM                               | 70Pa                     | 70 dBA           | <a href="#">PDF</a> |
| <a href="#">018840-40</a> | \$266.00 | Enclosure fan | G3 filter        | 230 VAC                                                                    | 95W                   | 413 mA            | 265 CFM           | 187 CFM                               | 99Pa                     | 63 dBA           | <a href="#">PDF</a> |
| <a href="#">018849-00</a> | \$304.00 | Enclosure fan | Air flaps        | 115 VAC                                                                    | 90W                   | 783 mA            | 414 CFM           | 230 CFM                               | 80Pa                     | 62 dBA           | <a href="#">PDF</a> |
| <a href="#">018849-01</a> | \$367.00 | Enclosure fan | Air flaps        | 115 VAC                                                                    | 165W                  | 1450 mA           | 607 CFM           | 359 CFM                               | 90Pa                     | 71 dBA           | <a href="#">PDF</a> |
| <a href="#">018849-40</a> | \$290.00 | Enclosure fan | G3 filter        | 115 VAC                                                                    | 90W                   | 783 mA            | 256 CFM           | 177 CFM                               | 73Pa                     | 62 dBA           | <a href="#">PDF</a> |
| <a href="#">118840-30</a> | \$66.00  | Intake grille | G3 filter        | FPO intake grille designed to be used with the FPO fans listed above only. |                       |                   |                   |                                       |                          |                  | <a href="#">PDF</a> |

Note: Performance data (current draw, power consumption, free airflow with a grille and filters, sound level) for all AC fans is based on 60Hz.