



# OUTDOOR FILTER FAN AND EXHAUST PACKAGE

These indoor/outdoor Filter Fan and Exhaust Packages are used in enclosures to dissipate heat harmful to sensitive electronic components. The fans feature a filter that is easily changed by opening the lockable door of the outdoor hood. IP55 protection is reached by the specially-designed hood and the use of special filters. The plastic casing is impact-resistant, weather-proof and UV resistant.



| Model No. | Filter Fan | Exhaust Filter | Voltage | Hz | Current Consumption | Power Consumption | EMC Version |
|-----------|------------|----------------|---------|----|---------------------|-------------------|-------------|
| KSFF      | ✓          |                | 120 VAC | 60 | 180mA               | 15W               |             |
| K2SFF     | ✓          |                | 230 VAC | 50 | 100mA               | 15W               |             |
| KS7FF     | ✓          |                | 24 VDC  |    | 0.21A               | 5.04W             |             |
| KS8FF     | ✓          |                | 48 VDC  |    | 0.16A               | 7.68W             |             |
| KSFF/E    | ✓          |                | 120 VAC | 60 | 180mA               | 15W               | ✓           |
| K2SFF/E   | ✓          |                | 230 VAC | 50 | 100mA               | 15W               | ✓           |
| KSEF      |            | ✓              |         |    |                     |                   |             |
| KSEF/E    |            | ✓              |         |    |                     |                   | ✓           |

## TECHNICAL DATA

### FILTER FANS

Filter mat: Fine Grade 360g/m<sup>2</sup>, filtering degree 98%  
particle Ø > 10 µm, F5 (EN779)

Airflow - free blowing: 11.8 cfm (20 m<sup>3</sup>/h)  
**Note: Airflow increases by approximately 15% for 120 V/60 Hz models**

Average noise level at 3 ft.  
(DIN EN ISO 9614-2): 40 dB (A)

Mounting depth: 2.4 in (62.0mm)

Enclosure cut-out: 4.9 x 4.9 in (125 x 125mm + 0.4)

Approx. weight: 2.6 lbs (1.2kg)

Protection type: IP 55

Axial fan: Ball bearing, aluminum frame, plastic impeller - UL 94V-0

Filter fan housing: Plastic ASA, UL 94HB, light grey, temperature resistant -31 to 194°F.

Mounting frame: Double-sided industrial adhesive tape for affixing to the outside of enclosures

### EXHAUST FILTER (KS481F)

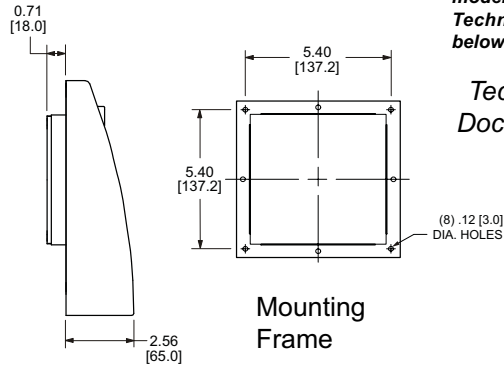
Filter Mat: Fine grade 360 g/m<sup>2</sup>, filtering degree 98%  
particle Ø > 10 µm, F5 (EN779)

Size: 4.6 x 4.6 in (118 x 118mm)

**Replacement filter:**  
Filter Mat (F5) 122 x 122mm Fine Grade:  
Part Number: **KS481F** (package of 3)

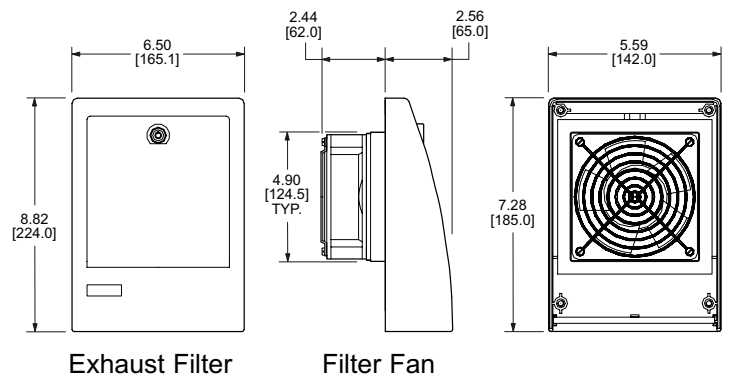
## DRAWINGS

Dimensions, inches [mm], are for reference only and are subject to change.



Find additional information on this model at [kooltronic.com](http://kooltronic.com), or use the Technical Documents QR code below.

Technical Documents



Specifications are subject to change without notice. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application.

ksff.qxd 9/24/18