

Top-Mount Fans and Vents



Applications

Top-mount filter fans and vents are used in enclosures from which warm air must be diverted due to increased heat development. The ready-to-connect and low-noise roof filter fan is used to expel warm air from within the enclosure. Alternatively, the roof exhaust filter provides passive ventilation. Fans come in two versions: one utilizes four small axial fans, improving reliability and maintaining continuous operations even if one of the fans should fail; the second uses a single high capacity fan.

Note: For pressure compensation the roof filter fan must always be operated in combination with a similarly sized intake filter or intake filter fan.

Features

- Very low noise
- Minimal mounting depth
- High air volume
- High reliability
- Cover is hinged for easy filter replacement



General Specifications	
Axial fan, ball bearing	Service life min. 50,000 hr at 77°F [25°C] and 65% RH, aluminum fan body, plastic rotor
Connection	3-pole clamp (AC units), 2-pole clamp (DC units), AWG 14 [2.5 mm²], clamping torque 0.8 N·m max.
Housing	Plastic, UL 94V-0, light gray; UV light resistant according to UL 746C (f1)
Filter mat	ISO coarse 55% acc. to ISO 16890 (G3), init. grav. arrestance 57%
Filter material	Synthetic fiber with progressive construction, temperature resistant to 212°F, self-extinguishing class F1; moisture resistant to 100% RH, reusable – can be cleaned by washing or vacuuming
Operating / Storage humidity	Max. 90% RH (non-condensing)
Protection type	NEMA 3R, IP32
Approvals	EAC (all), VDE (AC 230 V only)

Top-mount Exhaust Fans							
Part Number	Price	Operating Voltage	Free Airflow	Fans per Unit	Cutout size in[mm]	Operating Temperature	Drawing Link
018600-02	\$-05i17:	115 VAC	203 CFM	4	9.69 x 9.69 [246 x 246]	-13°F to 158°F	PDF
018600-04	\$-05i18:	24 VDC	203 CFM			14°F to 158°F	PDF
018610-00	\$-05i19:	230 VAC	338 CFM	1		14°F to 158°F	PDF
018610-02	\$-05i1a:	115 VAC	338 CFM			-13°F to 158°F	PDF
Notes: 1.Performance data for 115VAC fans is based on 60Hz. 2.Free airflow is measured with fan only. 3.Dimensions in inches [millimeters].							

Top Mount Exhaust Vent			
Part Number	Price	Enclosure Cutout in[mm]	Drawing Link
118600-00	\$-05i1b:	9.69 x 9.69 [246 x 246]	PDF