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.

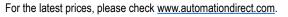
Note: For pressure compensation the roof filter fan must always be operated in combination with a similarly sized intake filter or intake filter fan.

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		
<u>018600-02</u>	\$437.00	115 VAC	203 CFM	4	9.69 x 9.69 [246 x 246]	-13°F to 158°F	PDF		
<u>018600-04</u>	\$502.00	24 VDC	203 CFM			14°F to 158°F	PDF		
<u>018610-00</u>	\$299.00	230 VAC	338 CFM			14°F to 158°F	PDF		
<u>018610-02</u>	\$377.00	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			
<u>118600-00</u>	\$97.00	9.69 x 9.69 [246 x 246]	PDF			





Features

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

