

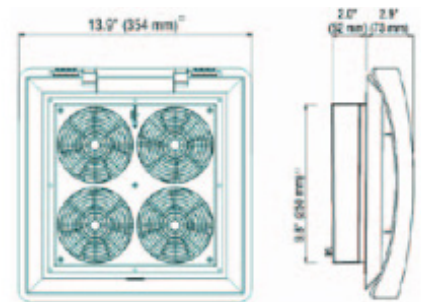
- Very low noise
- Minimal mounting depth
- High air volume
- High reliability
- Time-saving installation and mat exchange

Roof filter fans and roof exhaust filters 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. The RFP 018 series comes 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 larger single high capacity fan.

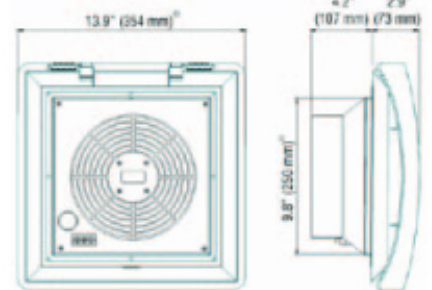


### Technical Data:

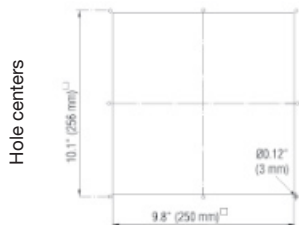
Axial fans, ball bearing	service life min. 50,000 h at 25°C and 65%RH aluminium fan body, plastic rotor
Connection	3-pole clamp, AWG 14 (2.5mm <sup>2</sup> ), clamping torque 0.8Nm max
Housing	plastic, UL 94V-0, light grey; UV light resistant according to UL 746C (f1)
Filter mat	G3 acc. to DIN EN 779, filtering degree 85%
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 temperature	dependent on fan type (see below)
Operating/storage	max 90% RH (non-condensing)
Protection class/protection type	I (grounded) / IP32
Approvals	GOST TR (all), VDE (AC 230V only); UL intended.
Important note	For reasons of pressure compensation, the roof filter fan must always be operated in combination with another filter fan or a passive intake filter.



Roof Filter Fan RFP 018 - 177 cfm



Roof Filter Fan RFP 018 - 338 cfm



Use included template for precise cut-out dimensions

Enclosure cut out

Operating voltage	Air volume, free blowing	Power consumption	Average noise level (DIN EN ISO 4871)	Mounting depth	Enclosure cut-out	Weight (approx)	Operating temp.
AC 230V, 50Hz <sup>1</sup>	300m <sup>3</sup> /h - 4 fans	68W	55db (A)	52mm	9.8x9.8"	3.3 kg	-10 to +70°C / -40 to +70°C
AC 120V, 60Hz	345m <sup>3</sup> /h - 4 fans	60W	55db (A)	52mm	9.8x9.8"	3.3 kg	-25 to +70°C
AC 230V, 50Hz <sup>1</sup>	500m <sup>3</sup> /h - 1 fan	64W	67db (A)	107mm	9.8x9.8"	2.6 kg	-10 to +70°C / -40 to +70°C
AC 120V, 60Hz	575m <sup>3</sup> /h - 1 fan	85W	67db (A)	107mm	9.8x9.8"	2.6 kg	-25 to +70°C

### Roof Exhaust Filter REP 118

Mounting depth	Enclosure cut-out	Weight (approx)	Filter mat	Protection type
11mm	9.8x9.8"	1.0 kg	G3 acc to DIN EN 779, filtering degree 85%	IP32

air volume increases by 15% when operating AC 230V filter fans at 60Hz