

HF SIDE-MOUNT FILTER FANS (S-312243)

INDUSTRY STANDARDS

UL/cUL Listed; File No. E482010

CE

EAC

Type 12, IP54 standard (on all models except HF13)

Type 12, IP 55 optional (on all models except HF04)

APPLICATION

- Industrial automation
- Automotive assembly
- Package handling equipment
- Food and beverage process controls
- Wind energy systems

FEATURES

- Click-fit design quickly installs into enclosure wall; no tools or screws required
- Opens with the flick of a finger for easy filter replacement
- Enclosure side wall mounting
- Reverse airflow option on HF13 models available to push/pull air through higher static pressure
- Standard rope gasket provides proper seal to the enclosure
- Similar cut-out sizes as other filter fan manufacturers
- Terminal block connections
- Optional thermostat available to save energy and extend service life
- Hinged grille remains attached after opening

SPECIFICATIONS

- Size range from 4 in. (102 mm) to 13 in. (325 mm)
- Free air flow from 21 CFM (36 m³/hr.) to 484 CFM (822 m³/hr.)
- Service life hours from 40,000 to 100,000 hours
- Operating temperature range from -4 F/-20 C to 149 F/65 C

FINISH

- RAL 7035 light-gray, UV-resistant plastic standard
- RAL 9011 black, UV-resistant plastic

NOTES

Visit www.PentairProtect.com to download 2D and 3D CAD drawings into the overall design of your electrical system.

Performance Data HF05 35 CFM (59 m³/hr.) Side-Mount Filter Fans

ELECTRICAL DATA				
Rated Voltage	115	230	24*	48*
Frequency (Hz)	50/60	50/60	—	—
Nominal Current Maximum (Amps)	.16/.14	.12/.10	.35	.17
Power Consumption Maximum (Watts)	11.0/10.0	15.0/14.0	8.4	8.2
Power Connection	Terminal Block			
TYPE 12 / IP54 FILTER FANS				
RAL 7035 Light Gray:				
Catalog Number	HF0516414	HF0526414	HF0524414	HF0548414
RAL 9011 Black:				
Catalog Number	HF0516413	HF0526413	HF0524413	HF0548413
Free Airflow (CFM / m³/hr.)	35/59	35/59	35/59	35/59
Airflow with 1 Exhaust Grille (CFM / m³/hr.)	23/39	23/39	23/39	23/39
Airflow with 2 Exhaust Grilles (CFM / m³/hr.)	28/48	28/48	28/48	28/48
TYPE 12 / IP55 FILTER FANS				
RAL 7035 Light Gray:				
Catalog Number	HF0516514	HF0526514	HF0524514	HF0548514
RAL 9011 Black:				
Catalog Number	HF0516513	HF0526513	HF0524513	HF0548513
Free Airflow (CFM / m³/hr.)	12/20	12/20	12/20	12/20
Airflow with 1 Exhaust Grille (CFM / m³/hr.)	8/14	8/14	8/14	8/14
Airflow with 2 Exhaust Grilles (CFM / m³/hr.)	9/15	9/15	9/15	9/15
FILTER FAN UNIT CONSTRUCTION				
Fan RPM	2600/2900	2600/2900	3200	3200
Sound Pressure (dBA at 50/60 Hz)	40/44	40/44	40/44	40/44
Operating Temperature Range:				
Maximum (°F / °C)	131/55	131/55	149/65	149/65
Minimum (°F / °C)	14/-10	14/-10	-4/-20	14/-10
Service Life (hours) at 40 C	40,000	40,000	100,000	100,000
Unit Dimensions - H x W x D (in. / mm)	6.15 x 6.16 x 3.98/156 x 157 x 101			
Cutout Dimensions - H x W (in. / mm)	4.92 x 4.92/125 x 125			
Weight (lb. / kg)	1.77/.80			
TYPE 12 / IP54 EXHAUST GRILLES				
RAL 7035 Light Gray:				
Catalog Number	HG0500404	HG0500404	HG0500404	HG0500404
RAL 9011 Black:				
Catalog Number	HG0500403	HG0500403	HG0500403	HG0500403
TYPE 12 / IP55 EXHAUST GRILLES				
RAL 7035 Light Gray:				
Catalog Number	HG0500504	HG0500504	HG0500504	HG0500504
RAL 9011 Black:				
Catalog Number	HG0500503	HG0500503	HG0500503	HG0500503
ACCESSORIES				
Replacement Filters:				
Type 12 / IP54 Catalog Number	89134424R	89134424R	89134424R	89134424R
Type 12 / IP55 Catalog Number	89136408R	89136408R	89136408R	89136408R
Thermostat Catalog Number	THERM16F, THERM16C	THERM26F, THERM26C	—	—
Shroud Catalog Number	HH05GS35001, HH05GS61001, HH05SS04001			

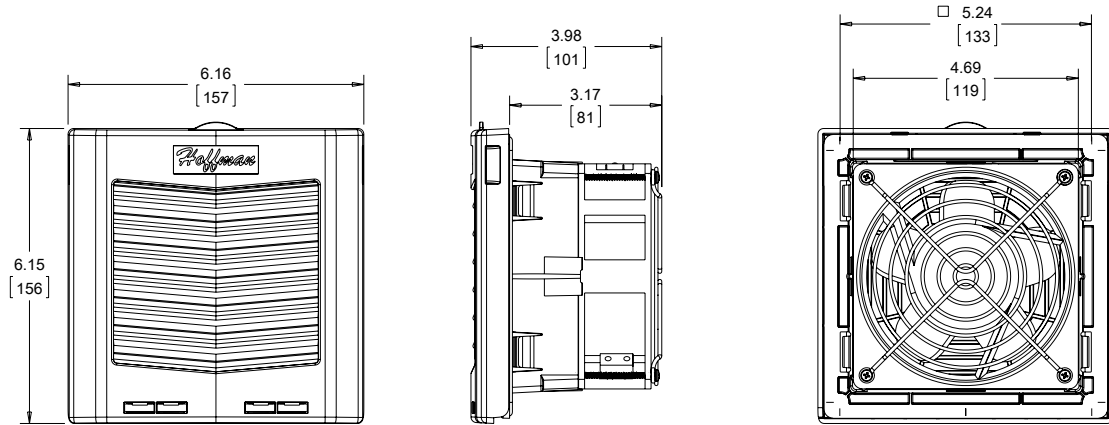
Above airflow rates at 60 Hz; see performance curves for airflow at 50 Hz and more details.

Unit depth is from the back edge of the grille to the back of the fan.

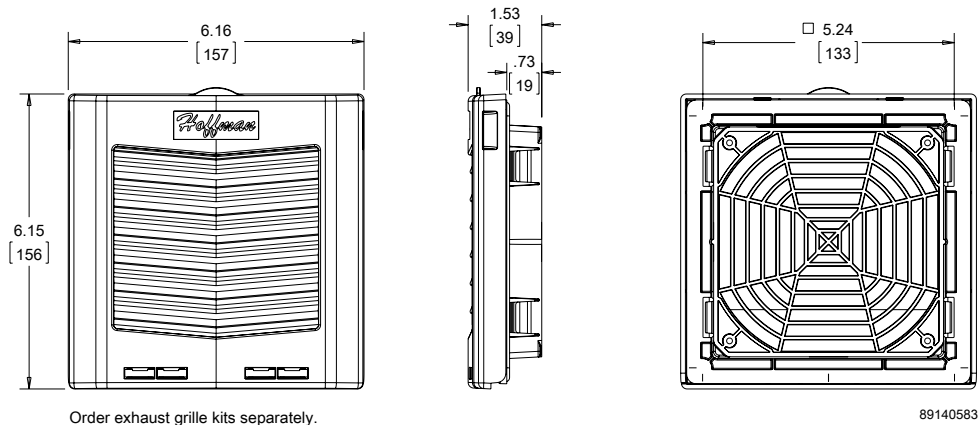
Exhaust Grilles sold separately.

* This indicates a DC Voltage.

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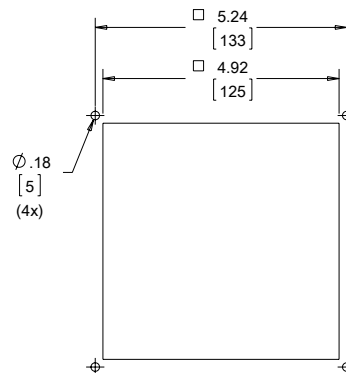


Exhaust Grille



Order exhaust grille kits separately.

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Cutout Dimensions

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