

HF SIDE-MOUNT FILTER FANS



INDUSTRY STANDARDS

UL/cUL Listed; File No. E482010

CE
EAC
Type 12 standard on all models
IP54 standard option on all models except HF13
IP55 standard option 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

Performance Data HF10 159 CFM (270 m³/Hr.) Side-Mount Filter Fans

ELECTRICAL DATA				
Rated Voltage	115	230	24*	48*
Frequency (Hz)	50/60	50/60	—	—
Nominal Current Maximum (Amps)	.38/.36	.18/.19	.88	.32
Power Consumption Maximum (Watts)	35/32	38/35	21.1	15.4
Power Connection	Terminal Block			
TYPE 12 / IP54 FILTER FANS				
RAL 7035 Light Gray:				
Catalog Number	HF1016414	HF1026414	HF1024414	HF1048414
RAL 9011 Black:				
Catalog Number	HF1016413	HF1026413	HF1024413	HF1048413
Free Airflow (CFM / m³/hr.)	159/270	159/270	159/270	159/270
Airflow with 1 Exhaust Grille (CFM / m³/hr.)	128/217	128/217	128/217	128/217
Airflow with 2 Exhaust Grilles (CFM / m³/hr.)	151/257	151/257	151/257	151/257
TYPE 12 / IP55 FILTER FANS				
RAL 7035 Light Gray:				
Catalog Number	HF1016514	HF1026514	HF1024514	HF1048514
RAL 9011 Black:				
Catalog Number	HF1016513	HF1026513	HF1024513	HF1048513
Free Airflow (CFM / m³/hr.)	103/175	103/175	103/175	103/175
Airflow with 1 Exhaust Grille (CFM / m³/hr.)	80/136	80/136	80/136	80/136
Airflow with 2 Exhaust Grilles (CFM / m³/hr.)	87/148	87/148	87/148	87/148
FILTER FAN UNIT CONSTRUCTION				
Fan RPM	2700/3200	2700/3200	3750	3500
Sound Pressure (dBA at 50/60 Hz)	53/56	53/56	53/56	53/56
Operating Temperature Range:				
Maximum (°F / °C)	131/55	131/55	131/55	131/55
Minimum (°F / °C)	14/-10	14/-10	14/-10	14/-10
Service Life (hours) at 40 C	97,000	97,000	76,000	76,000
Unit Dimensions - H x W x D (in. / mm)	10.13 x 10.14 x 4.68/257 x 258 x 119			
Cutout Dimensions - H x W (in. / mm)	8.78 x 8.78/223 x 223			
Weight (lb. / kg)	3.14/1.40			
TYPE 12 / IP54 EXHAUST GRILLES				
RAL 7035 Light Gray:				
Catalog Number	HG1000404	HG1000404	HG1000404	HG1000404
RAL 9011 Black:				
Catalog Number	HG1000403	HG1000403	HG1000403	HG1000403
TYPE 12 / IP55 EXHAUST GRILLES				
RAL 7035 Light Gray:				
Catalog Number	HG1000504	HG1000504	HG1000504	HG1000504
RAL 9011 Black:				
Catalog Number	HG1000503	HG1000503	HG1000503	HG1000503
ACCESSORIES				
Replacement Filters:				
Type 12 / IP54 Catalog Number	89134426R	89134426R	89134426R	89134426R
Type 12 / IP55 Catalog Number	89136410R	89136410R	89136410R	89136410R
Thermostat Catalog Number (°F)	THERM16F	THERM26F	—	—
Thermostat Catalog Number (°C)	THERM16C	THERM26C	—	—
Shroud Catalog Number	HH10GS35001, HH10GS61001, HH10SS04001			

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

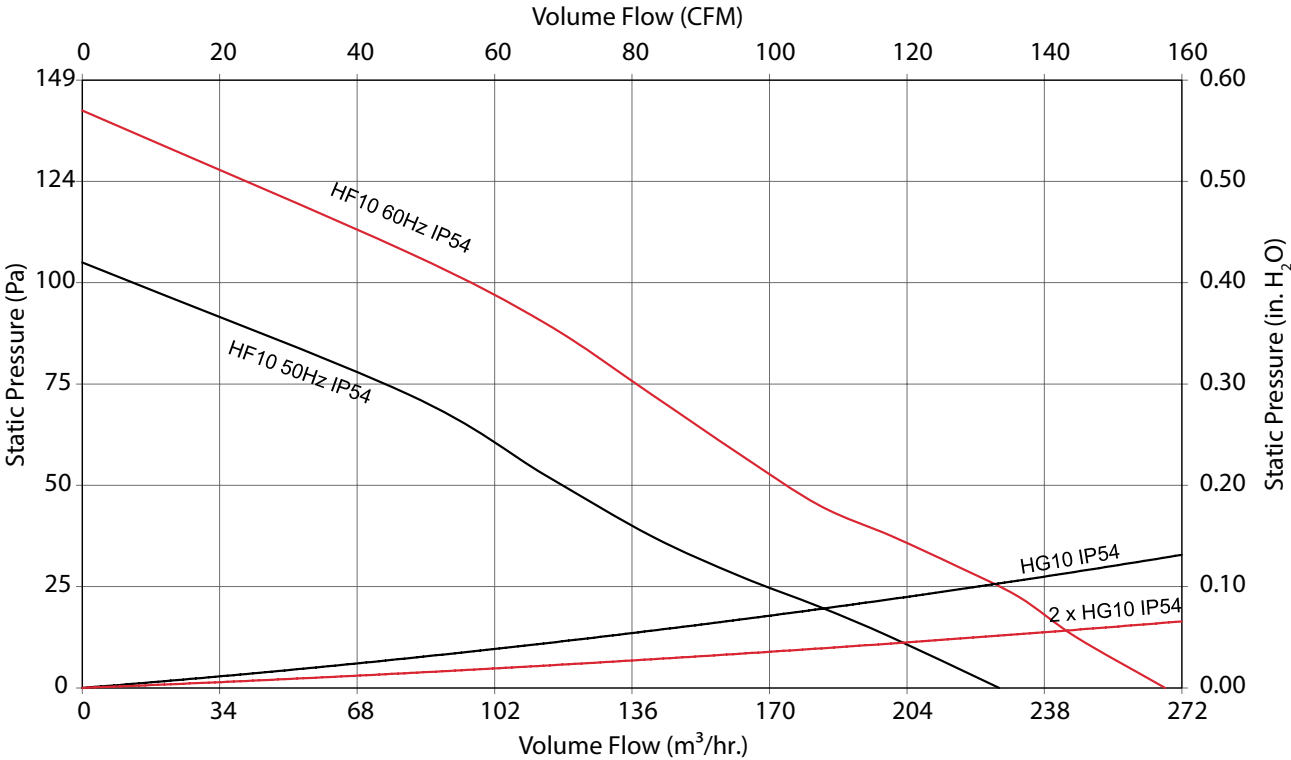
Unit depth is from the back edge of the grille to the back of the fan.

Exhaust Grilles sold separately.

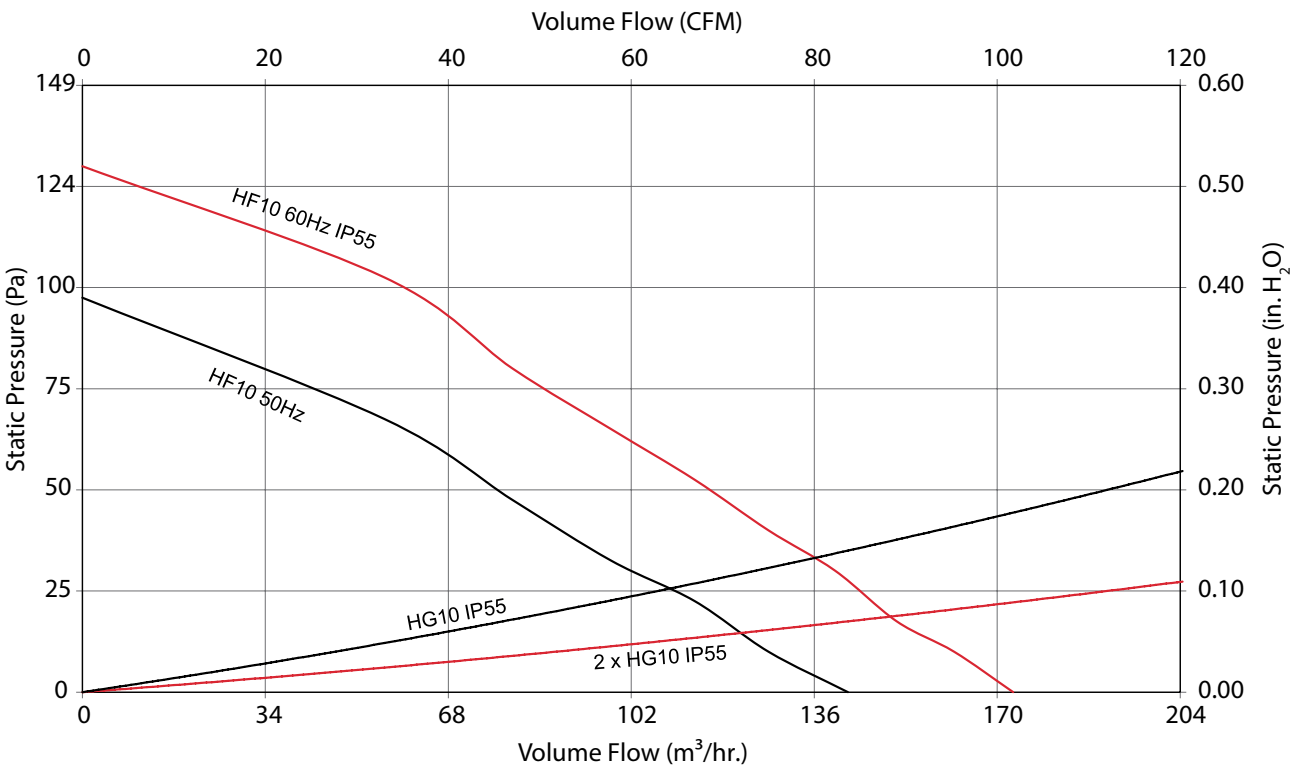
* This indicates a DC Voltage.

Performance Curves for HF10 Models 159 CFM (270 m³/hr.) Side-Mount Filter Fans

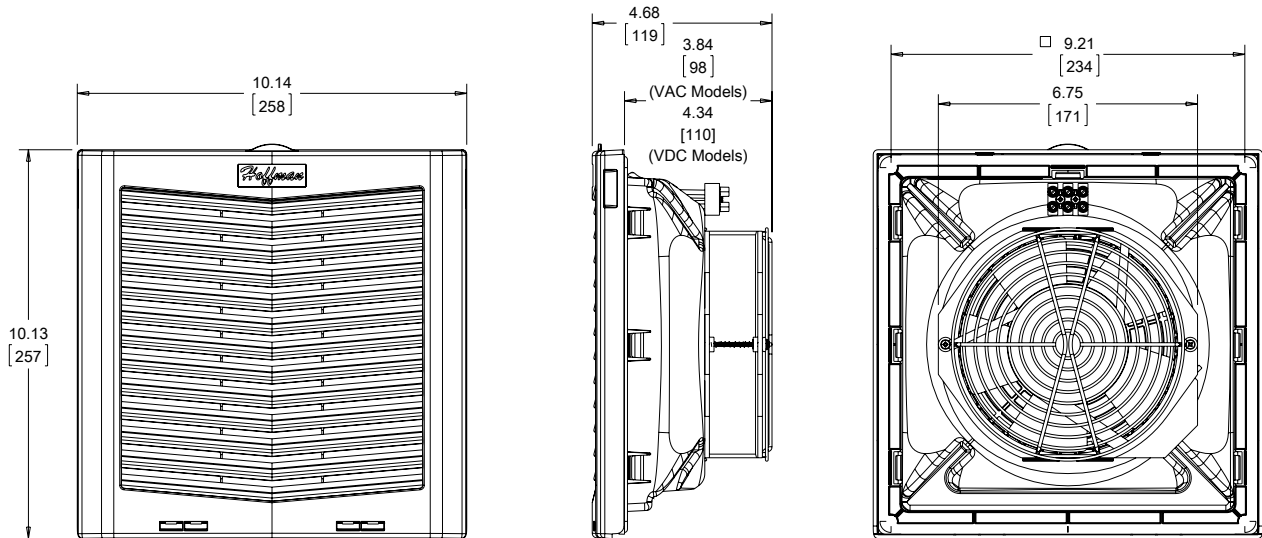
HF10 Capacity Curve, IP54



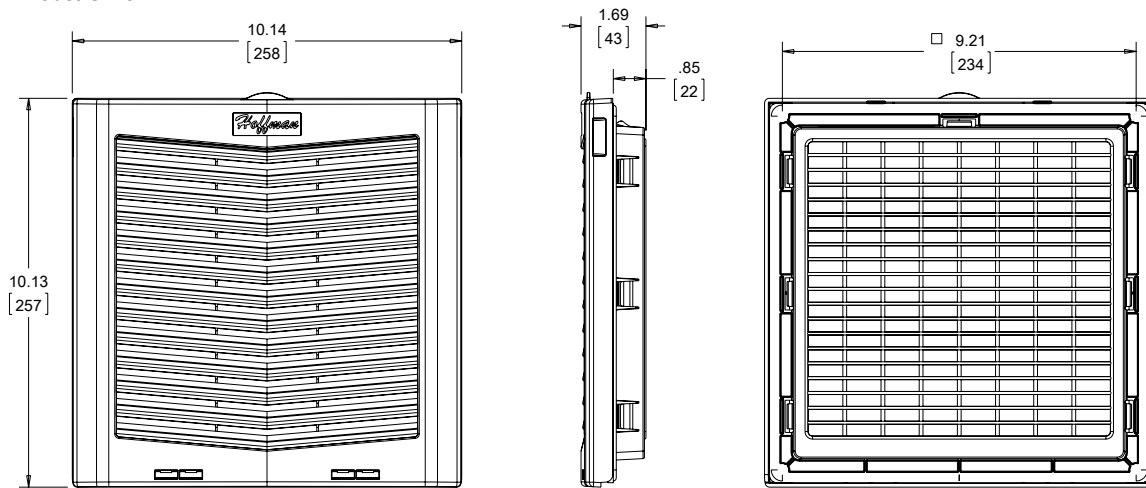
HF10 Capacity Curve, IP55



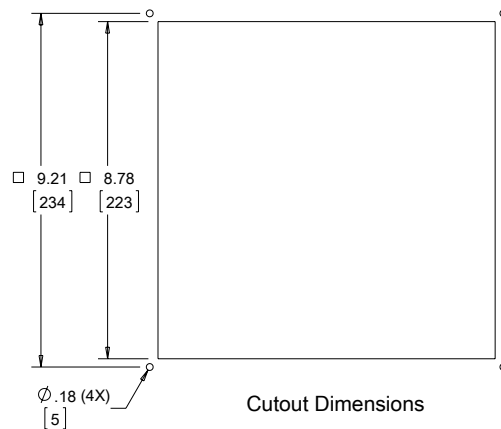
HF10 159 CFM (270 m³/Hr.) Side-Mount Filter Fans



Exhaust Grille



89140585



Cutout Dimensions

Visit nVent.com/HOFFMAN to download 2D and 3D CAD drawings into the overall design of your electrical system.