HN 3R SIDE-MOUNT FILTER FANS



HN04 413



HN05 513



HN08 513



HN09 513



HN12 513



HN12 523

INDUSTRY STANDARDS

UL/cUL Listed; File No. E482010

CE
Type 3R standard on all models
IP55 standard option on all models except HN04

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
- Enclosure side wall mounting
- Reverse airflow option on items ending with “R” 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

SPECIFICATIONS

- Size range from 4 in. (102 mm) to 12 in. (305 mm)
- Free air flow from 15 CFM (26 m^3/hr.) to 507 CFM (861 m^3/hr.)
- Service life hours from 40,000 to 98,000 hours
- Operating temperature range -14 F/-10 C to 131 F/55 C

FINISH

- RAL 9005 black, UV-resistant plastic

Performance Data **HN04 3R Filter Fans**

ELECTRICAL DATA			
Rated Voltage	**115**	**230**	**24***
Frequency (Hz)	50/60	50/60	—
Nominal Current Maximum (Amps)	0.15/0.13	0.08/0.07	0.61
Power Consumption Maximum (Watts)	12/10	12/11	15
Power Connection		Lead Wires	
TYPE 3R / IP54 FILTER FANS			
RAL 9005 Black:			
Catalog Number	HN0416413	HN0426413	HN0424413
Free Airflow (CFM / m^3/hr.)	15/26	15/26	32/55
Airflow with Exhaust Grille (CFM / m^3/hr.)	11/19	11/19	21/36
FILTER FAN UNIT CONSTRUCTION			
Fan RPM	3010	3010	6270
Sound Pressure (dBA at 50/60 Hz)	37/42	37/42	59
Operating Temperature Range:			
Maximum (°F / °C)	131/55	131/55	131/55
Minimum (°F / °C)	14/-10	14/-10	14/-10
Service Life (hours) at 40 C	40,000	40,000	60,500
Unit Dimensions - H x W x D (in. / mm)	4.19x4.19x3.15 / 107x107x80	4.19x4.19x3.15 / 107x107x80	4.19x4.19x3.06 / 107x107x78
Cutout Dimensions - H x W (in. / mm)	3.64x3.64 / 92.5x92.5	3.64x3.64 / 92.5x92.5	3.64x3.64 / 92.5x92.5
Weight (lb. / kg)	1.39/0.63	1.39/0.63	1.01/0.46
TYPE 3R / IP54 EXHAUST GRILLES			
RAL 9005 Black:			
Catalog Number	HN0400403	HN0400403	HN0400403
ACCESSORIES			
Replacement Filters:			
Filter Catalog Number	98136404R	98136404R	98136404R
Thermostat Catalog Number (°F)	THERM16F	THERM26F	—
Thermostat Catalog Number (°C)	THERM16C	THERM26C	—

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

Unit depth is of the entire unit. Further dimensional detail below.

Exhaust Grilles sold separately.

* This indicates a DC Voltage. 24VDC fans are IP44.