



product spotlight

FFKN12-A1 - FAN/FILTER ASSEMBLY AND EXHAUST FILTER ASSEMBLY, FOR NEMA 12K ENCLOSURE

NEMA Type 12 Protection

The closed frame design prevents unfiltered air from penetrating the cabinet.

Highest Quality Fans

German manufactured fans that exceed industry standards for quality, performance and service life.

Highest System Airflow Compared to Competitors Filter Fans.

The design of the louvers supports the greatest airflow while further protecting against airborne dust and dirt.

Patented Tool-Less 4 Corner Fastening System

The patented fastening system allows for fast installation (possible to install in seconds) and easy removal reducing MTTR.

300% Longer Service Time via Patented Fluted Filter Mat

A larger surface area on the filter mat allows for a high filtration level, greater service life and maximum airflow. Saving time and money.



Globally Compatible

ERP compliant to meet European efficiency directives. Units also comply with additional national and international standards, e.g. TÜV, NEMA, UL, CSA and EAC.

Versatile Options

Options including UV Protected Plastic for use in direct sunlight, EMC shielding to attenuate RF signals and exhausting fans for custom applications.



FAN/FILTER ASSEMBLY

- Airflow rate up to 224 CFM
- System of protection IP 55, NEMA type 12
- Cut-out dimensions: 291 x 291 mm

SPECS:

- Voltages $\pm 10\%$ - 115 V, 230 V
- Design (housing and protection against accidental contact) - made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
- Service life L_{10} (+ 40 °C) - 40,000 h
- Weight - 7 lb
- Noise level (EN ISO 3741) - 52 dB (A)
- Type of connection - spring-type terminal
- Bearing type - ball bearing
- Approvals - UL, cUL, CE, (on request: GOST)
- Power consumption - 90 W / 80 W
- Width x height x depth - 12.6" x 12.6" x 6.18"
- System of protection (EN 60529) - IP 55
- System of protection (UL 50) - NEMA Type 12 - fluted filter
- Filter mat quality class - G 4
- Unimpeded airflow - 297 CFM
- Airflow rate in combination (PF + PFA 60.000) - 224 CFM
- Filtration efficiency - 91%



EXHAUST FILTER ASSEMBLY

- Snap fastener without screws
- Simple filter mat exchange
- With integrated foam seal to enclosure
- W x H x D: 12.6" x 12.6" x 1.8"
- Cut-out dimensions: 291 x 291 mm
- Color: RAL 9011 (Black)

SPECS:

- Design (housing and protection against accidental contact) - made of injection-molded thermoplastic, self-extinguishing, UL 94 VO
- Approvals - UL, cUL, CE, (on request: GOST)
- System of protection (EN 60529 / UL 50) - NEMA type 12 - fluted filter
- Filter mat quality class - G 4

PART NO.

FFKN12-A1

FILTER-09

DESCRIPTION

Fan assembly for NEMA 12K enclosures; includes fan/filter assembly and exhaust filter assembly

Package of five replacement filters

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