

# 612NHHR-147 ebmpapst 12V 0.24A 60x60x25mm DC Axial Fan

**SKU:** 612NHHR

**Price:** \$34.86

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/612nhhr-147-ebmpapst-12v-0-24a-60x60x25mm-dc-axial-fan/>

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## Product Description

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The ebmpapst 612NHHR-147 is a high-performance 12VDC DC Axial Fan with dimensions of 60 x 60 x 25 mm, featuring a glass-fiber reinforced PBT housing and a 54 mm glass-fiber reinforced PA plastic impeller, specifically engineered for mission-critical cooling in Industrial Frequency Converters. Driven by a brushless external rotor motor with maintenance-free ball bearings and any-shaft mounting position, this 0.066 kg unit operates at 12 VDC delivering a Max. Power Consumption of 2.9 W and a Max. Current Draw of 0.24 A at a rated speed of 6800 RPM. This High-performance unit achieves a Max. Air Flow of 32.37 CFM (55.0 m<sup>3</sup>/h / 0.92 m<sup>3</sup>/min) and a Max. Static Pressure of 14.28 mmH<sub>2</sub>O (140.0 Pa / 0.56 inAq). Featuring integrated electronic protection against reverse polarity and blocking, alongside AWG 24 leads, this unit is optimized for industrial VFD systems requiring high-velocity airflow and long-term reliability at the end.

612NHHR-147 Fan Parameters

Model Number: 612NHHR-147

Manufacturer: ebmpapst

Type: DC Axial Fan

Impeller Size: 54 mm

Dimensions: 60 x 60 x 25 mm

Weight: 0.066 kg

Bearing Type: Ball bearing (Any-shaft mounting)

Phase: DC

Nominal Voltage: 12 VDC

Voltage Range: 8.0 - 13.5 VDC

Connection Type: 2-wire (Leads AWG 24, TR 64)

Max. Current Draw: 0.24 A

Max. Power Consumption: 2.9 W

Rated Speed: 6800 RPM

Max. Air Flow: 32.37 CFM (55.0 m<sup>3</sup>/h / 0.92 m<sup>3</sup>/min)

Max. Static Pressure: 14.28 mmH<sub>2</sub>O (140.0 Pa / 0.56 inAq)

Working Air Flow: 55.0 m<sup>3</sup>/h

Static Pressure Increase: 140.0 Pa

Sound Power Level: 5.3 Bel(A)

Sound Pressure Level: 41.0 dB(A)

Motor Protection: Electronic blocking / Reverse polarity protection

Service Life (L10): 70,000 h (40 °C) / 35,000 h (70 °C)

Life Expectancy (L10Δ): 142,500 h (40 °C, IPC 9591)

Insulation Class: Class E

Degree of Protection: IP20

Housing Material: Glass-fiber reinforced PBT plastic

Impeller Material: Glass-fiber reinforced PA plastic

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Intake over struts

Ambient Temperature (Max.): 70 °C

Min. Operating Temperature: -20 °C

Standard Compliance: CE; VDE; UL; CSA; CCC

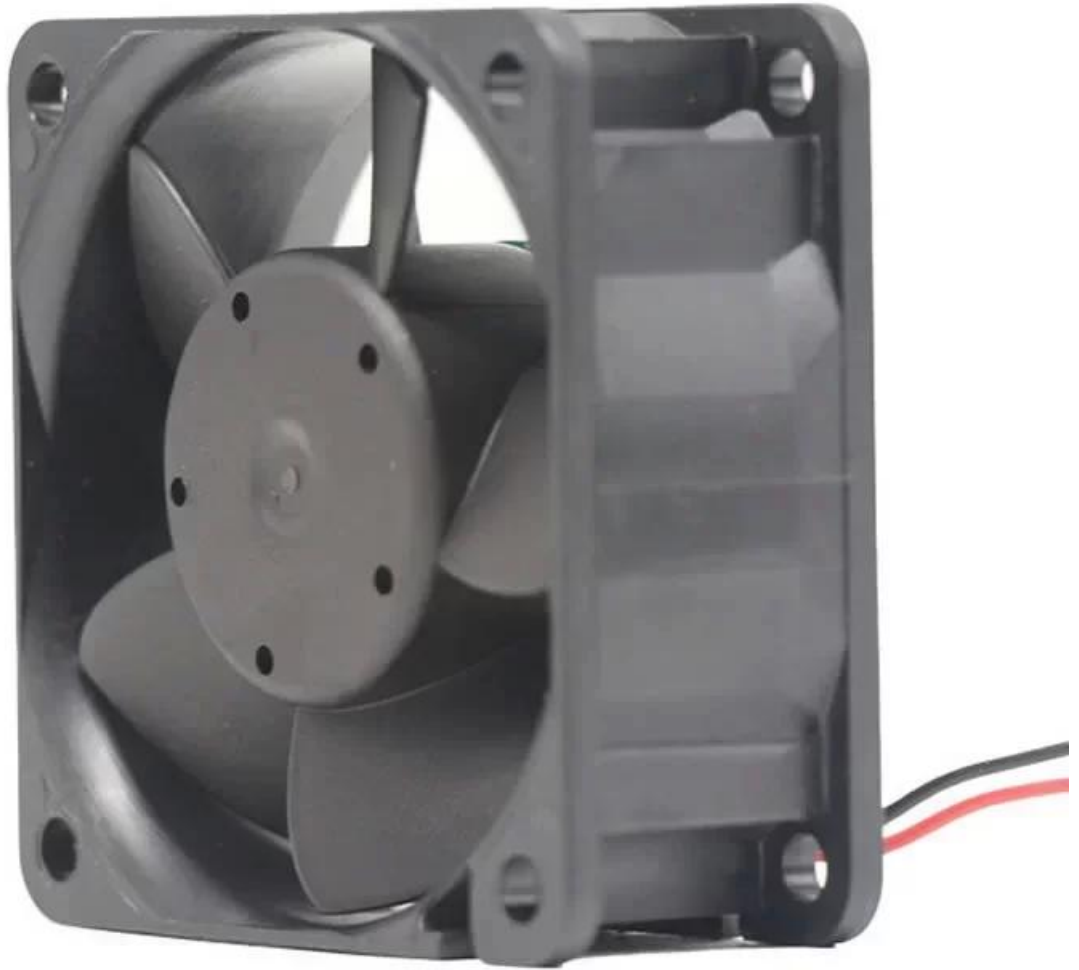
#### Application

The ebmpapst 612NHHR-147 axial fan is the primary cooling component for industrial frequency converters and high-density power modules requiring high-speed airflow and optimized static pressure in 12V DC environments.

## Product Images

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Scan for product details:

