

8414NGH ebmpapst 24V 114mA 2.8W 80mm DC Axial Fan

SKU: 8414NGH

Price: \$36.25

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/8414ngh-ebmpapst-24v-114ma-2-8w-80mm-dc-axial-fan/>

Product Description

The ebmpapst 8414NGH is a high-performance DC Axial Fan with dimensions of 80 x 80 x 25.4 mm. Operating at a nominal voltage of 24 V (ranging from 18 to 26 VDC), this compact fan features an electronically commutated external rotor motor and the specialized Sintec-Sleeve bearing system for quiet, long-term operation. With a high speed of 3600 RPM and a power input of 2.8 W, it delivers a robust airflow of 46.5 CFM (79 m³/h) while maintaining a moderate noise profile. This model is engineered for reliability in heat-sensitive environments such as industrial power supplies, telecommunication modules, and medical diagnostic equipment where durability and consistent thermal management are essential.

8414NGH Fan Parameters

Manufacturer: ebmpapst

Model Number: 8414NGH

Dimensions: 80 x 80 x 25.4 mm

Nominal Voltage: 24 VDC

Operating Voltage Range: 18 to 26 VDC

Frequency: DC

Speed: 3600 RPM

Power Input: 2.8 W

Current Draw: 114 mA

Max. Airflow: 46.5 CFM (79 m³/h)

Max. Static Pressure: 0.23 inAq

Noise Level: 37 dB(A)

Sound Power Level: 5.0 B

Weight: 95 g

Impeller Size: 76 mm

Termination: 2 Wire Leads (AWG 24, TR 64, 310 mm length)

Bearing Type: Sintec-Sleeve Bearing

Housing Material: Glass-fiber reinforced PBT plastic

Impeller Material: Glass-fiber reinforced PA plastic

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Airflow Direction: Exhaust over struts

Degree of Protection: IP20

Insulation Class: E

Life Expectancy (L10): 70,000 hours at 40 °C / 35,000 hours at 70 °C

Safety Protections: Locked rotor protection, Reverse polarity protection, Overload protection

Approval: VDE, CSA, UL, CE

Application

The 8414NGH is specialized for high-efficiency cooling in compact electronic enclosures and automated systems. Its Sintec bearing technology provides a significant advantage in noise reduction and service life over standard sleeve bearings, making it ideal for medical lab equipment, high-end workstations, and network switches. The fan's robust protection features, including reverse polarity and blocked rotor protection, ensure system safety in industrial power distribution units and control cabinets. Its standardized 80 mm footprint allows for easy integration into existing rack-mounted hardware where consistent airflow and energy efficiency are critical for maintaining operational stability.

Product Images







Scan for product details:

