

8412NH ebmpapst 12V DC Axial Fan

SKU: 8412NH

Price: \$39.47

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/8412nh-ebmpapst-12v-dc-axial-fan/>

Product Description

The ebmpapst 8412NH is a high-performance 12VDC Axial Fan measuring 80x80x25mm, designed for efficient cooling in compact electronic systems. Operating across a voltage range of 8VDC to 13.2VDC, this fan consumes 1.7W, achieves a speed of 3600min⁻¹, and delivers 79m³/h airflow. It has a sound pressure level of 37dB(A) and a sound power level of 5.0B. The fan's airflow direction is exhaust over struts, and its direction of rotation is counterclockwise when viewed toward the rotor. Constructed with a glass-fiber reinforced PBT plastic housing and a glass-fiber reinforced PA plastic impeller, the 8412NH features durable ball bearings, ensuring long-term reliability with a service life of 70000hours at 40°C and 35000hours at maximum temperature. It is equipped with motor protection against reverse polarity, blocked rotor, and overload. Electrical connection is via AWG24, TR64 leads that are stripped and tin-plated. This fan operates reliably within an ambient temperature range of -20°C to 70°C. It is approved with VDE, CSA, UL, and CE certifications, making it highly adaptable for various applications in computer systems, power supplies, appliances, and industrial electronics where robust and reliable thermal management is critical.

8412NH Fan Parameters

Model: 8412NH

Manufacturer: ebmpapst

Type: DC Axial Fan

Dimensions: 80 x 80 x 25 mm

Nominal Voltage: 12 V DC

Operating Voltage Range: 8 - 13.2 V DC

Power Consumption: 1.7 W

Speed: 3600 min⁻¹

Airflow: 79 m³/h

Sound Power Level: 5.0 B

Sound Pressure Level: 37 dB(A)

Weight: 0.095 kg

Bearing Type: Ball Bearing

Housing Material: Glass-fiber reinforced PBT plastic

Impeller Material: Glass-fiber reinforced PA plastic

Airflow Direction: Exhaust over struts

Direction of Rotation: Counterclockwise, viewed toward rotor

Min. Ambient Temperature: -20 °C

Max. Ambient Temperature: 70 °C

Service Life L10 at 40°C: 70000 h

Service Life L10 at Maximum Temperature: 35000 h

Cable: Leads AWG 24, TR 64, stripped and tin-plated

Motor Protection: Protection against reverse polarity and blocked rotor; Locked-rotor and overload protection

Approval: VDE, CSA, UL, CE

Application: Computer systems, power supplies, appliances, industrial electronics, and other systems where reliable thermal management is critical.

Product Images





