

8412N-478 ebm-papst 12VDC 2.0W 80x80x25mm Axial Fan Datasheet



Brand: ebmpapst

SKU: 1025835458564

Category: Axial & Centrifugal Fans

Price: \$43.99

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Product Page:

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Product Description

ebm-papst 8412N-478 80 x 80 x 25 mm 12 VDC 2.0 W axial fan is constructed with a fiberglass-reinforced plastic PBT housing and PA impeller. The unit features a precision ball bearing system providing a service life of 70,000 h at 40 °C. It delivers a nominal airflow of 69 m³/h at a speed of 3,100 RPM with a sound pressure level of 32 dB(A). Electrical connection is established via two AWG 24 leads, and the motor includes integrated protection against reverse polarity and rotor blocking.

8412N-478 Specifications

Model: 8412N-478

Brand: ebm-papst

Category: DC Axial Fan

Dimensions: 80 x 80 x 25 mm

Nominal Voltage: 12 VDC

Voltage Range: 8 to 15 VDC

Power Consumption: 2.0 W

Nominal Current: 170 mA

Airflow: 69 m³/h

Airflow: 40.6 CFM

Nominal Speed: 3,100 RPM

Sound Pressure Level: 32 dB(A)

Sound Power Level: 4.7 Bel(A)

Bearing Type: Ball bearing

Housing Material: Fiberglass-reinforced plastic (PBT)

Impeller Material: Fiberglass-reinforced plastic (PA)

Service Life (40 °C): 70,000 h

Service Life (70 °C): 35,000 h

Weight: 0.095 kg

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

Lead Length: 310 mm

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

Direction of Airflow: Exhaust over struts

Motor Protection: Reverse polarity and blocked rotor protection

Approvals: VDE, CSA, UL, CE

8412N-478 Applications

Primary applications include integration into server rack cooling systems, industrial power supply units, and telecommunications enclosures. Deployed within medical laboratory equipment and automated control cabinets for thermal management of internal electronic components.

Supplemental Images

