

6224NU ebm-papst 24VDC 18W 172x51mm IP68 DC Axial Fan Datasheet



Brand: ebmpapst

SKU: 1044753586879

Category: Axial & Centrifugal Fans

Price: **\$138.57**

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Product Page:

<https://www.equipspares.com/product/6224nu-ebm-papst-24vdc-18w-172x51mm-ip68-dc-axial-fan>

Product Description

ebm-papst 6224NU is a high-performance DC axial fan featuring a 172 mm diameter by 51 mm depth circular profile, operating at a nominal 24 VDC with an 18 W power input. This unit utilizes a robust die-cast aluminum housing and a fiberglass-reinforced PA plastic impeller, supported by a dual ball bearing system for extended service life. The fan delivers a maximum airflow of 410 m³/h at a nominal speed of 3400 RPM while maintaining an IP 68 protection rating against dust and moisture ingress. Internal commutation electronics provide integrated protection against reverse polarity and rotor locking.

6224NU Specifications

Model: 6224NU

Brand: ebm-papst

Category: DC Axial Fan

Nominal Voltage: 24 VDC

Voltage Range: 12 to 28 VDC

Power Input: 18 W

Nominal Current: 710 mA

Airflow: 410 m³/h

Airflow (Imperial): 241.3 CFM

Speed: 3400 RPM

Noise Level: 55 dB(A)

Dimensions: 172 x 51 mm

Weight: 0.82 kg

Bearing Type: Ball Bearing

Housing Material: Die-cast Aluminum

Impeller Material: Fiberglass-reinforced PA Plastic

IP Rating: IP 68

Operating Temperature: -20 to 72 °C

Service Life (L10 at 40 °C): 75,000 h

Termination: 2-wire leads

Protection: Polarity reversal and locked-rotor protection

Approvals: VDE, CSA, UL, CE

6224NU Applications

Primary applications include integration into harsh-environment industrial control cabinets, telecommunications base stations, and high-density server racks requiring IP 68 ingress protection. Deployed within outdoor power inverters, medical imaging equipment, and automated manufacturing machinery for critical thermal management of high-heat dissipation components.

Supplemental Images

