632NU ebm-papst 12VDC 60x60x25mm IP68 DC Axial Fan Datasheet

Brand: ebmpapst

SKU: 897791566529

Category: Axial & Centrifugal Fans

Price: **$68.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/632nu-ebm-papst-12vdc-60x60x25mm-ip68-dc-axial-fan

Product Description

The ebm-papst 632NU is a DC Axial Fan engineered for demanding industrial environments requiring robust thermal management and ingress protection. Utilizing advanced motor technology and a precision-balanced impeller, this unit delivers consistent airflow with optimized static pressure capabilities. The construction features a glass-fiber reinforced PBT housing (UL94V-0) which ensures structural rigidity and minimizes vibration-induced noise. Designed with a high-grade bearing system, the 632NU maintains low thermal impedance and operational stability over an extended service life, making it suitable for continuous duty cycles in restricted spaces.

Model Number: 632NU
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 6.0 - 15.0 VDC
Rated Current: 0.14 A
Power Consumption: 1.6 W
Rated Speed: 6300 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 23.5 CFM (40.0 m^3/h)
Max. Static Pressure: 0.20 inH_2O (50 Pa)

Dimensions: 60 x 60 x 25 mm
Weight: 0.085 kg
Ingress Protection: IP68
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PA Plastic (UL94V-0)
Termination: 2 Wire Leads (AWG 22)
Operating Temperature: -20 to +70 °C
Life Expectancy: 70,000 Hours (40°C)
Direction of Rotation: Clockwise (viewed toward rotor)
Motor Protection: Impedance Protected / Reverse Polarity

The 632NU is specifically engineered for integration into compact electronic assemblies where moisture and dust resistance are critical. Common deployment scenarios include industrial automation control panels, outdoor telecommunications enclosures, and ruggedized power supply units. The 632NU provides reliable thermal dissipation for medical instrumentation and embedded computing systems, ensuring component longevity by preventing heat accumulation in sealed environments.

Supplemental Images