8556N ebmpapst 230VAC 80x80x38mm High Temp Axial Fan Datasheet

Brand: ebmpapst

SKU: 978613460424

Category: Axial & Centrifugal Fans

Price: **$57.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/8556n-ebmpapst-230vac-80x80x38mm-high-temp-axial-fan

Product Description

The ebmpapst 8556N is a compact AC Axial Fan engineered for robust thermal management in industrial environments. Utilizing a shaded-pole motor architecture and a precision-engineered Sintec sleeve bearing system, this unit ensures consistent airflow delivery with optimized thermal impedance. The all-metal die-cast aluminum housing provides exceptional structural rigidity and heat dissipation properties, making it suitable for high-temperature applications. Its aerodynamic impeller design minimizes turbulence while maintaining high static pressure capabilities, ensuring reliable operation even under challenging conditions.

Model Number: 8556N
Brand: ebmpapst
Product Type: AC Axial Fan
Rated Voltage: 230 VAC
Frequency: 50 / 60 Hz
Rated Power: 12 / 11 W
Rated Current: 70 / 60 mA
Rated Speed: 2800 / 3300 RPM
Max. Air Flow: 29.4 CFM (50 m^3/h / 0.83 m^3/min)
Max. Static Pressure: 3.26 mmH_2O (32 Pa / 0.13 inH_2O)
Dimensions: 80 x 80 x 38 mm

Weight: 0.490 kg
Bearing Type: Sintec Sleeve Bearing
Housing Material: Die-cast Aluminum
Impeller Material: Sheet Steel
Noise Level: 31 / 35 dB(A)
Operating Temperature: -40 to +90 °C
Life Expectancy: 37,500 Hours (40°C)
Ingress Protection: IP20
Insulation Class: B
Motor Protection: Impedance Protected
Direction of Rotation: Clockwise (viewed toward rotor)
Electrical Connection: 2 single strands AWG 18, TR 64
Certifications: VDE, CSA, UL, CE

The 8556N is specifically designed for demanding industrial applications requiring reliable heat dissipation within compact enclosures. Common deployment scenarios include cooling control cabinets, small-scale server racks, and telecommunications infrastructure where space is at a premium. The robust metal construction of the 8556N allows for integration into CNC machinery and power supply units exposed to elevated operating temperatures, ensuring critical components remain within safe thermal limits during continuous operation.

Supplemental Images