

3656 ebmpapst 230VAC 92x92x38mm Axial Fan Datasheet



Brand: ebmpapst

SKU: 898232697707

Category: Axial & Centrifugal Fans

Price: **\$94.99**

E-mail: sales@equipspares.com

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Product Page: <https://www.equipspares.com/product/3656-ebmpapst-230vac-92x92x38mm-axial-fan>

Product Description

The ebmpapst 3656 is a precision-engineered AC axial fan designed for high-reliability thermal management applications. Utilizing an external rotor shaded-pole motor, this unit delivers consistent airflow with optimized thermal impedance characteristics. The aerodynamic impeller is housed within a rugged die-cast aluminum frame, ensuring structural rigidity and vibration dampening during operation at speeds up to 3200 RPM. Engineered for continuous duty cycles, the 3656 features a sinusoidal air gap design that minimizes acoustic noise while maximizing static pressure capabilities. Its robust construction supports efficient heat dissipation in demanding industrial environments, maintaining operational stability across dual frequency inputs of 50Hz and 60Hz.

Model Number: 3656

Brand: ebmpapst

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 70 / 65 mA

Power Input: 12.0 / 11.0 W

Rated Speed: 2700 / 3200 RPM

Max. Air Flow: 44.1 / 52.4 CFM (75 / 89 m³/h)

Dimensions: 92 x 92 x 38 mm

Bearing Type: Ball Bearing

Housing Material: Die-cast Aluminum
Impeller Material: Sheet Steel, painted black
Weight: 0.42 kg
Operating Temperature: -40 to +80 °C
Life Expectancy: 60000 hrs @ 40°C
Termination: 2 Flat Plugs 2.8 x 0.5 mm
Direction of Rotation: Clockwise, looking at rotor
Direction of Airflow: Air exhaust over struts
Motor Protection: Impedance Protected
Ingress Protection: IP20
Approvals: VDE, CSA, UL, CE

This cooling solution is specifically calibrated for integration into compact electronic enclosures and industrial automation control panels. The 3656 is frequently utilized in server rack cooling modules, telecommunications switching gear, and medical diagnostic equipment where space is at a premium but airflow cannot be compromised. Additionally, the 3656 serves as a critical component in power supply units and welding machines, ensuring sensitive electronics remain within safe thermal operating limits. Its robust AC motor design makes it suitable for continuous operation in manufacturing machinery and HVAC instrumentation.

Supplemental Images

