

9656 ebmpapst 230V 119mm 12038 16W AC Axial Fan

SKU: 9656

Price: \$21.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/9656-ebmpapst-230v-119mm-12038-16w-ac-axial-fan/>

Product Description

The ebmpapst 9656 is a high-reliability AC Axial Fan with dimensions of 119 x 119 x 38.7 mm, featuring a robust metal housing and plastic impeller. Operating at a nominal 230V (50Hz), this unit is powered by an efficient AC drive that draws 85 mA and delivers an input power of 16W, resulting in an output of 2.2W. It achieves a nominal speed of 2600 RPM $\pm 10\%$, providing a free air flow of 146 m³/h against a static pressure of 58 Pa. Designed for extreme versatility, it supports any mounting position and operates within a wide temperature range from -40°C to 75°C. With an IP20 protection rating and a maintenance-free ball bearing system, the 9656 offers a service life of 37,500 hours at 40°C, making it a dependable thermal management solution for industrial cabinets and electronic enclosures.

9656 Fan Parameters

Manufacturer: ebmpapst

Model Number: 9656

Type: AC Axial Fan

Nominal Voltage: 230V

Frequency: 50 Hz

Dimensions: 119.0 x 119.0 x 38.7 mm (12038□

Impeller Size: 119 mm

Weight: Approx. 0.550 kg

[Electrical Data]

Nominal Speed: 2600 RPM $\pm 10\%$

Input Power: 16 W

Output Power: 2.2 W

Current: 85 mA

Termination: 2 Lead wires (Length 470 mm)

Motor Bearing: Ball bearing

[Performance & Acoustics]

Air Flow: 146 m³/h (at free air flow)

Max. Static Pressure: 58 Pa

Noise: 45 dB(A) (at free air flow)

Rotational Direction: Counter-clockwise (looking at rotor)

[Materials & Construction]

Housing Material: Metal

Impeller Material: Plastic

Airflow Direction: Air exhaust over struts

Mounting Position: Any

Mounting Torque (across flanges):

- Wire outlet corner: 150 Ncm

- Remaining corners: 200 Ncm

Screw Size: ISO 4762 - M4 (degreased)

[Reliability & Protection]

IP Class: IP20

Min. Ambient Temperature (TU min): -40 °C

Max. Ambient Temperature (TU max): 75 °C

Min. Storage Temperature (TL min): -40 °C

Max. Storage Temperature (TL max): 80 °C

Life Expectancy (L10 at 40 °C): 37500 h

Life Expectancy (L10 at TU max): 15000 h

Relative Humidity: 0% - 95%

Application

The ebmpapst 9656 is a standard-sized 119mm axial fan optimized for industrial cooling applications where a compact square footprint and AC power are required. Its metal housing provides enhanced durability and heat dissipation, while the wide operating temperature range (-40°C to 75°C) makes it suitable for both refrigerated environments and high-heat industrial control panels. The 146 m³/h airflow capacity and 58 Pa pressure rating are ideal for ventilating power supplies, small server racks, and automated machinery enclosures. With a 470 mm lead wire and multiple mounting torque specifications, it is designed for secure installation in diverse mechanical orientations.

Product Images







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