

4656NU ebm-papst 230VAC 119x119x38mm Metal Axial Fan Datasheet



Brand: ebmpapst

SKU: 897791530807

Category: Axial & Centrifugal Fans

Price: \$77.99

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Product Page:

<https://www.equipspares.com/product/4656nu-ebm-papst-230vac-119x119x38mm-metal-axial-fan>

Product Description

The ebm-papst 4656NU is a robust AC Axial Fan engineered for high-reliability industrial thermal management and continuous duty cycles. Utilizing an advanced external rotor shaded-pole motor, this unit delivers consistent airflow with optimized thermal impedance, ensuring efficient heat dissipation in enclosed systems. The construction features a rugged die-cast aluminum housing paired with a sheet steel impeller, providing exceptional structural rigidity and vibration damping under operational load. Designed for 230VAC networks, the 4656NU integrates precision bearing architecture to minimize frictional losses and extend service life, making it a premier choice for applications requiring stable static pressure and aerodynamic efficiency.

Model Number: 4656NU

Brand: ebm-papst

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.12 A

Power Consumption: 19 W

Rated Speed: 2600 RPM

Bearing Type: Sintec Sleeve Bearing

Max. Air Flow: 94.1 CFM (160 m³/h / 2.67 m³/min)

Max. Static Pressure: 8.03 mmH₂O (78 Pa / 0.32 inH₂O)

Dimensions: 119 x 119 x 38 mm

Weight: 0.55 kg

Life Expectancy: 37,500 Hours (at 40°C)

Housing Material: Die-Cast Aluminum

Impeller Material: Sheet Steel

Operating Temperature: -40°C to +85°C

Termination: 2 Flat Plugs 2.8 x 0.5 mm

Motor Protection: Impedance Protected

Approvals: VDE, CSA, UL, CE

Direction of Rotation: Clockwise over struts

Direction of Airflow: Intake over struts

The 4656NU is extensively deployed in critical industrial automation environments, including electrical control cabinets and server rack cooling assemblies where space and reliability are paramount. Its durable metal construction allows the 4656NU to operate effectively in harsh conditions found in welding machines, photovoltaic inverters, and heavy-duty HVAC systems. Furthermore, this unit is frequently integrated into medical instrumentation and telecommunications infrastructure, safeguarding sensitive electronics from thermal saturation.

Supplemental Images

