

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



Brand: ebmpapst

SKU: 918487702668

Category: Axial & Centrifugal Fans

Price: **\$41.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

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

Product Description

The ebm-papst 4656N is a robust AC axial fan designed for demanding industrial thermal management applications. Utilizing a reliable external rotor shaded-pole motor, this unit ensures consistent operation across 50/60Hz frequencies with optimized aerodynamic efficiency. The construction features a die-cast aluminum housing and a steel impeller, directly welded to the rotor, providing exceptional structural rigidity and vibration resistance. Engineered with sintered sleeve bearings, the fan maintains a low thermal impedance profile while delivering substantial airflow. Its compact design allows for integration into space-constrained enclosures, ensuring effective heat dissipation for sensitive electronic components while adhering to IP20 ingress protection standards.

Model Number: 4656N

Brand: ebm-papst

Product Type: AC Axial Fan

Variant: ZP Var.139

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 120 mA / 115 mA

Power Consumption: 19 W / 18 W

Rated Speed: 2600 RPM / 2950 RPM

Bearing Type: Sintec Sleeve Bearing

Max. Air Flow: 94.2 CFM (160 m³/h)
Max. Static Pressure: 0.29 inH₂O (72 Pa)
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 (Painted Black)
Ingress Protection: IP20
Insulation Class: Class E
Motor Protection: Impedance Protected
Termination: 2 Flat Plugs 2.8 x 0.5 mm
Operating Temperature: -40 to +85 C
Direction of Rotation: Clockwise (viewed toward rotor)
Direction of Air Flow: Intake over struts
Certifications: VDE, CSA, UL, CE
Origin: Germany

This high-reliability air mover is specifically engineered for ventilation in industrial machinery and electronic control cabinets. The 4656N excels in cooling power supplies, welding machines, and telecommunications infrastructure where continuous duty cycles are mandatory. Maintenance teams often deploy the 4656N to retrofit legacy server racks or automation systems requiring 230VAC input without additional transformers. Its rugged metal build makes it suitable for environments with moderate mechanical stress, ensuring critical components remain within safe thermal operating limits.

Supplemental Images

