

4650N-465 ebm-papst 230VAC 119x119x38mm Metal Axial Fan Datasheet



Brand: ebmpapst

SKU: 898233205784

Category: Axial & Centrifugal Fans

Price: \$47.99

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Product Page:

<https://www.equipspares.com/product/4650n-465-ebm-papst-230vac-119x119x38mm-metal-axial-fan>

Product Description

The ebm-papst 4650N-465 is a robust AC Axial Fan engineered for demanding industrial thermal management applications. Featuring a rugged all-metal construction with a die-cast aluminum housing and sheet steel impeller, this unit ensures exceptional structural rigidity and thermal stability under high-stress conditions. The fan utilizes an external rotor shaded-pole motor designed for 230VAC operation at 50/60Hz, delivering reliable airflow with optimized aerodynamic efficiency. Its durable design includes impedance protection against overloading, making it suitable for continuous operation in environments requiring sustained ventilation and heat dissipation.

Model Number: 4650N-465

Brand: ebm-papst

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 120 / 110 mA

Power Consumption: 19 / 18 W

Rated Speed: 2600 / 2950 RPM

Max. Air Flow: 94.1 CFM (160 m³/h)

Max. Static Pressure: 0.32 inH₂O (80 Pa)

Dimensions: 119 x 119 x 38 mm

Housing Material: Die-Cast Aluminum
Impeller Material: Sheet Steel, Painted Black
Bearing Type: Sintec Sleeve Bearing
Ingress Protection: IP20
Weight: 0.55 kg
Operating Temperature: -10 to +55 °C
Life Expectancy: 37,500 Hours (40°C)
Termination: 2 Flat Plugs 2.8 x 0.5 mm
Motor Protection: Impedance Protected
Approvals: VDE, CSA, UL, CE

The 4650N-465 is specifically designed for integration into industrial machinery and electronic cabinets where durability is paramount. Common deployment scenarios include cooling for welding machines, power inverters, and control panels within manufacturing facilities. The all-metal build of the 4650N-465 allows it to withstand harsh operating environments, ensuring consistent performance in server racks, telecommunications equipment, and HVAC instrumentation requiring reliable air movement.

Supplemental Images

