

4650N-465/A02 ebmpapst 230VAC 120x120x38mm Metal Axial Fan Datasheet



Brand: ebmpapst

SKU: 962432496567

Category: Axial & Centrifugal Fans

Price: **\$39.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/4650n-465-a02-ebmpapst-230vac-120x120x38mm-metal-axial-fan>

Product Description

The ebmpapst 4650N-465/A02 is a high-performance AC axial fan engineered for industrial environments requiring superior thermal resilience and structural rigidity. Featuring a robust die-cast aluminum housing and a welded sheet steel impeller, this unit is specifically designed to withstand elevated operating temperatures while maintaining aerodynamic efficiency. The fan operates on a standard 230VAC supply using a reliable external rotor motor configuration, which ensures consistent torque and reduced thermal impedance. Integrated precision double ball bearings enhance the mechanical longevity of the system, allowing for continuous operation in harsh conditions. The all-metal construction provides excellent electromagnetic shielding and durability against physical stress, making it a critical component for high-reliability thermal management systems.

Model: 4650N-465/A02

Brand: ebmpapst

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: 2650 RPM

Max. Air Flow: 94.1 CFM (160 m³/h)

Max. Static Pressure: 80 Pa (0.32 inH₂O)

Bearing Type: Double Ball Bearing

Dimensions: 120 x 120 x 38 mm

Housing Material: Die-Cast Aluminum

Impeller Material: Sheet Steel (Metal)

Weight: 0.55 kg

Operating Temperature: High Temperature Resistant (-40 to +85 °C)

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

Motor Protection: Impedance Protected

Phase: Single Phase

Termination: Lead Wires

Mounting: Flange Mount

The 4650N-465/A02 is widely utilized in industrial automation and power electronics where heat dissipation is critical for component longevity. Common applications include cooling control cabinets, welding machines, and server rack ventilation systems exposed to high ambient temperatures. The rugged metal design of the 4650N-465/A02 ensures reliable performance in machinery and telecommunications infrastructure where plastic components might degrade under thermal stress.

Supplemental Images

