

W2K121-AA01-01 ebm-papst 230VAC 127x127x38mm Axial Fan Datasheet



Brand: ebmpapst

SKU: [931580773030](#)

Category: Axial & Centrifugal Fans

Price: **\$90.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/w2k121-aa01-01-ebm-papst-230vac-127x127x38mm-axial-fan>

Product Description

The ebm-papst W2K121-AA01-01 is a high-performance AC axial fan designed to deliver superior thermal management in demanding industrial environments. Engineered with a robust external rotor motor and a shaded-pole drive system, this unit ensures reliable continuous operation with minimal maintenance requirements. The fan features a durable die-cast aluminum housing paired with a sheet steel impeller, providing exceptional structural rigidity and resistance to mechanical stress and vibration. Its aerodynamic design is optimized to reduce turbulence, thereby lowering noise emissions while maximizing airflow efficiency. Equipped with precision ball bearings, the W2K121-AA01-01 offers a significantly extended service life and stable performance across a broad temperature range. This model is specifically calibrated to minimize thermal impedance in high-density electronic enclosures, making it an essential component for preserving system integrity and preventing overheating in critical infrastructure.

Model Number: W2K121-AA01-01

Brand: ebm-papst

Product Type: AC Axial Fan

Series: 5900 W

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.12 / 0.11 A

Power Input: 18 / 17 W

Rated Speed: 2550 / 2900 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 106.0 CFM (180 m³/h / 3.0 m³/min)

Max. Static Pressure: 0.34 inH₂O (85 Pa)

Dimensions: 127 x 127 x 38 mm

Weight: 0.57 kg

Noise Level: 47 dB(A)

Housing Material: Die-Cast Aluminum

Impeller Material: Sheet Steel, Painted Black

Operating Temperature: -30°C to +75°C

Life Expectancy: 57,500 Hours (40°C)

Termination: 2 Lead Wires

Motor Protection: Impedance Protected

Insulation Class: B

Ingress Protection: IP20

Mounting Orientation: Any

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Airflow Direction: Intake over struts

Certifications: VDE, CSA, UL, CE

The W2K121-AA01-01 is extensively deployed in industrial automation and telecommunications sectors where consistent cooling is non-negotiable. It is ideally suited for ventilating server racks, control cabinets, and network enclosures, ensuring that sensitive electronic components remain within safe operating temperatures. Furthermore, the W2K121-AA01-01 is frequently utilized in medical instrumentation, welding equipment, and HVAC auxiliary systems, providing reliable air exchange in compact spaces requiring high static pressure capabilities.

Supplemental Images

