

4214 ebmpapst 24VDC 4.3W 119x119x38mm Axial Fan Datasheet



Brand: ebmpapst

SKU: 1009491508078

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/4214-ebmpapst-24vdc-4-3w-119x119x38mm-axial-fan>

Product Description

ebmpapst 4214 is a 24VDC 119x119x38mm Axial Fan optimized for high-moisture industrial environments requiring robust thermal management. This DC axial fan features a brushless motor with integrated commutation electronics and a precision ball bearing architecture to minimize thermal impedance and ensure structural rigidity. The aerodynamic design of the fiberglass-reinforced plastic impeller delivers 165 m³/h (97.1 CFM) of airflow at a rated speed of 3000 RPM. Consuming only 4.3W, it operates efficiently across a wide 12-28VDC range, making it a reliable solution for systems with fluctuating power supplies or demanding environmental conditions.

Model Number: 4214

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Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12.0 - 28.0 VDC

Rated Current: 0.18 A

Power: 4.3 W

Rated Speed: 3000 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 97.1 CFM (165.0 m³/h / 2.75 m³/min)

Max. Static Pressure: 8.16 mmH₂O (80.0 Pa / 0.32 inH₂O)

Dimensions: 119 x 119 x 38 mm

Weight: 0.29 kg

Life Expectancy: 70000 hours

Ingress Protection: IP68 (ZP539)

Noise Level: 45 dB(A)

Housing Material: Fiberglass-reinforced plastic (PBT)

Blade Material: Fiberglass-reinforced plastic (PA)

Termination: 2 Lead wires

Insulation Class: E

Operating Temperature: -20 to +75 C

Protection: Locked rotor and reverse polarity protection

Certifications: VDE, CSA, UL, CE

4214 Applications

1. Outdoor Telecom Enclosures: The IP68 ZP539 rating provides essential protection against moisture and dust ingress in remote base stations.
2. Industrial VFD Cabinets: High static pressure and 38mm depth allow for efficient heat dissipation through dense filter media in motor control centers.
3. Renewable Energy Inverters: Low power consumption (4.3W) and wide voltage tolerance (12-28VDC) make it an ideal replacement fan for solar or wind power conversion systems.

Supplemental Images

