

# 4114ENHU-180 ebm-papst 24VDC 119x119x38mm IP68 Axial Fan Datasheet



**Brand:** ebmpapst

**SKU:** 782252819669

**Category:** Axial & Centrifugal Fans

**Price:** \$80.99

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Product Page:

<https://www.equipspares.com/product/4114enhu-180-ebm-papst-24vdc-119x119x38mm-ip68-axial-fan>

## Product Description

The ebm-papst 4114ENHU-180 is a robust Axial Fan engineered for demanding industrial environments requiring rigorous thermal management and environmental resilience. Featuring an advanced DC motor architecture, this unit optimizes aerodynamic throughput while maintaining exceptional structural rigidity under high-static pressure loads. The design incorporates a fully encapsulated stator providing IP68 ingress protection, significantly lowering thermal impedance in harsh, moisture-rich, or dusty operating conditions. Its precision-balanced impeller ensures consistent airflow delivery, making it a critical component for systems demanding high reliability and longevity. The fan utilizes durable ball bearing mechanisms to sustain performance across a wide voltage range of 12-25V, ensuring stable operation even during power fluctuations.

Model Number: 4114ENHU-180

Brand: ebm-papst

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12.0 - 25.0 VDC

Rated Current: 458 mA (0.458 A)

Power Consumption: 11 W

Dimensions: 119 x 119 x 38 mm

Ingress Protection: IP68 (Dust Tight, Waterproof)

Bearing Type: Ball Bearing

Housing Material: Die-cast Aluminum

Impeller Material: Fiberglass-reinforced PA Plastic (UL 94 V-0)

Air Flow: Approx. 105 CFM (178 m<sup>3</sup>/h)

Speed: High Speed Performance

Termination: Lead Wires

Operating Temperature: -20°C to +70°C

Motor Protection: Reverse Polarity, Locked Rotor Protection

Mounting: Flange Mount

Weight: Approx. 390 g

Designed for resilience, the 4114ENHU-180 excels in applications exposed to moisture, dust, and particulate matter, such as outdoor telecommunications cabinets and marine-grade electronics. This fan is frequently integrated into CNC machinery cooling systems and industrial automation enclosures where wash-down capabilities are required. The 4114ENHU-180 ensures continuous operation in server racks located in non-climate-controlled environments, providing critical airflow to prevent thermal throttling in sensitive power supplies and solar inverters.

## Supplemental Images

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