

# 4314N/2NU ebmpapst 24V 4.1W 119mm IP68 DC Axial Fan

**SKU:** 4314N/2NU

**Price:** \$124.99

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/4314n-2nu-ebmpapst-24v-4-1w-119mm-ip68-dc-axial-fan/>

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## Product Description

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The ebmpapst 4314N/2NU is a high-reliability industrial DC Axial Fan with dimensions of 119 x 119 x 32 mm, specifically engineered for mission-critical applications in harsh environments. Operating on a nominal 24 VDC (12-28V range), this model is distinguished by its IP68-rated protection, making it completely dust-tight and resistant to prolonged water immersion. Driven by an energy-efficient brushless DC motor, it delivers a consistent maximum airflow of 187 m<sup>3</sup>/h (110 CFM) at a rated speed of 2700 RPM. With a low power consumption of only 4.1 W and a rated current of 170 mA, the 4314N/2NU is optimized for long-term stability and silent operation (43 dB(A)). Featuring a robust dual-ball bearing system and specialized environmental sealing, this 0.25 kg unit offers an exceptional service life of up to 122,000 hours (acc. to IPC 9591). It is the definitive thermal management solution for outdoor telecommunications, solar inverters, and high-exposure industrial electronics requiring absolute durability.

### 4314N/2NU Fan Parameters

Manufacturer: ebmpapst

Model Number: 4314N/2NU

Part Number: 9293510515

Motor Design: Brushless DC Motor

Type: DC Axial Fan (IP68 Environmental Protection)

Impeller Size: 110 mm

Dimensions: 119 x 119 x 32 mm

Nominal Voltage: 24 VDC

Voltage Range: 12 - 28 VDC

Speed: 2700 RPM

Power Input: 4.1 W

Rated Current: 170 mA  
Max. Airflow: 187 m³/h (110 CFM)  
Max. Static Pressure: 66 Pa (0.265 inAq)  
Noise Level: 43 dB(A)  
Weight: 0.25 kg  
Termination: 3 Lead Wires (Red+, Blue-, White/Stripe - Signal)  
Lead Wire Length: 310 mm  
Bearing Type: Dual Ball Bearing  
Housing Material: Fiberglass-reinforced PBT plastic  
Impeller Material: Fiberglass-reinforced PA plastic  
Number of Blades: 5  
Direction of Rotation: Clockwise (viewed toward rotor)  
Direction of Airflow: Exhaust over struts  
Degree of Protection: IP68 (Fully Waterproof & Dustproof)  
Insulation Class: E  
Motor Protection: Reverse polarity and locked-rotor protection  
Operating Temp. Range: -20 °C to +75 °C  
Storage Temp. Range: -40 °C to +80 °C  
Life Expectancy (L10) at 40 °C: 72,500 h  
Life Expectancy (L10) at 75 °C: 30,000 h  
Life Expectancy (IPC 9591) at 40 °C: 122,000 h  
Approvals: CE, EAC, UL, VDE, CSA

#### Application

The ebmpapst 4314N/2NU is primarily utilized as a primary cooling component in outdoor telecommunications cabinets, renewable energy systems (solar inverters), and marine-grade electronic enclosures. Its IP68 protection is vital for these applications, ensuring that the 2700 RPM brushless DC motor remains operational even when exposed to heavy rain, salt spray, or fine desert dust. The 119 mm compact frame is optimized to provide 187 m³/h (110 CFM) of airflow while maintaining a quiet 43 dB(A) acoustic profile, making it suitable for noise-sensitive urban environments. With its ultra-long life expectancy of 122,000 hours and high-temperature tolerance (up to 75 °C), the 4314N/2NU provides reliable 24/7 thermal management for mission-critical infrastructure in the most demanding global climates.

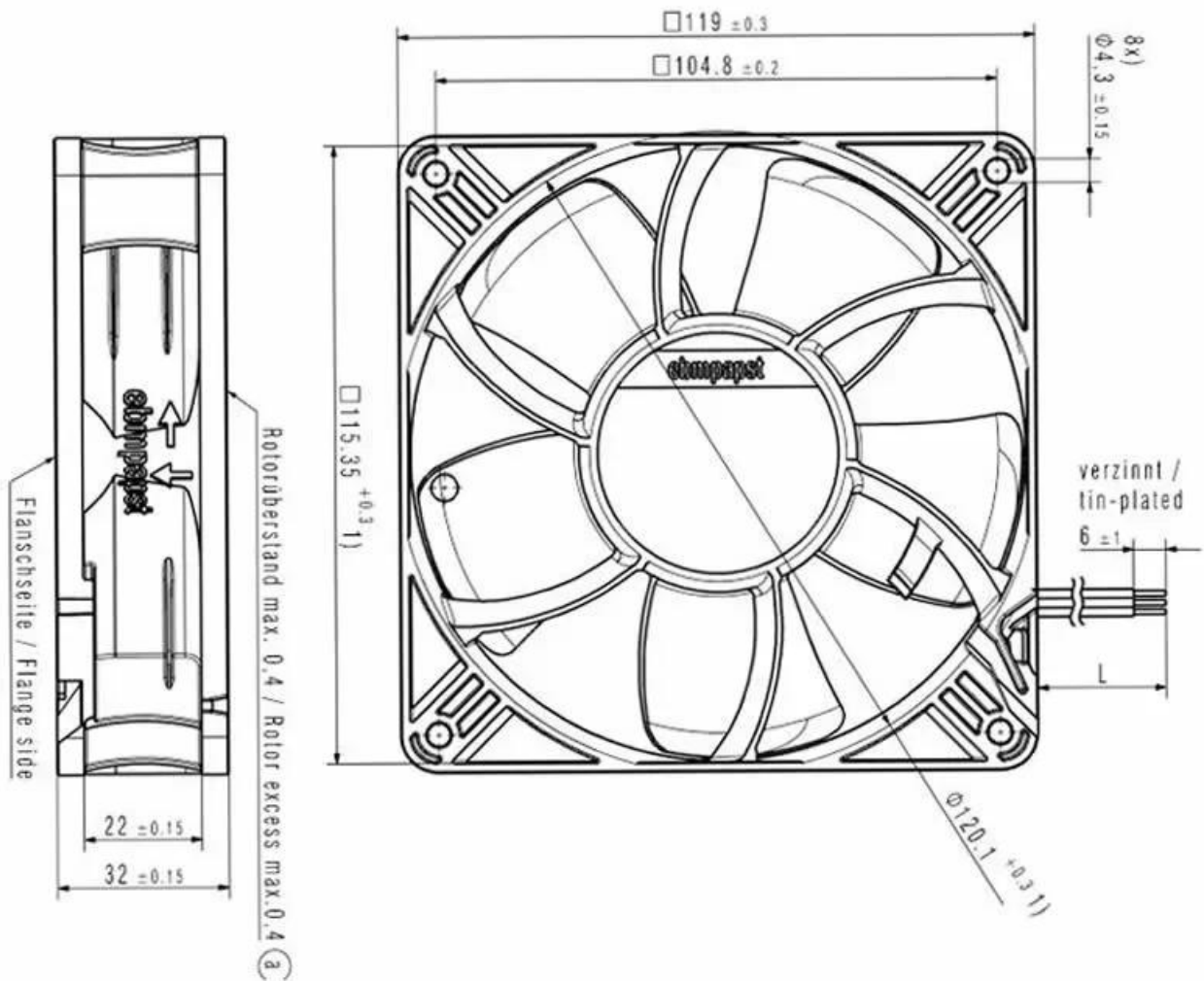
## Product Images

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