

# 4314 ebmpapst 24V 0.21A 5.0W 119x119x32mm DC Axial Fan

**SKU:** 4314

**Price:** \$63.49

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/4314-ebmpapst-24v-0-21a-5-0w-119x119x32mm-dc-axial-fan/>

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## Product Description

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The ebmpapst 4314 (P/N 9294305013) is a high-performance 24VDC DC Axial Fan with dimensions of 119 x 119 x 32 mm, featuring a glass-fiber reinforced PBT housing and a 5-blade PA impeller, specifically engineered for mission-critical cooling in Industrial Frequency Converters. Driven by an electronically commutated external rotor motor with ball bearings, this 0.220 kg unit operates on a 12.0 - 28.0 VDC supply delivering a Max. Power Consumption of 5.0 W and a Max. Current Draw of 0.21 A at a rated speed of 2800 RPM. This High-performance unit achieves a Max. Air Flow of 100.06 CFM (170.0 m<sup>3</sup>/h / 2.83 m<sup>3</sup>/min) and a Max. Static Pressure of 8.16 mmH<sub>2</sub>O (80.0 Pa / 0.32 inAq). Featuring integrated protection against reverse polarity and blocking alongside AWG 22 TR 64 leads, this unit is optimized for industrial VFD systems requiring efficient airflow and high operational reliability at the end.

4314 Fan Parameters

Model Number: 4314 (9294305013)

Manufacturer: ebmpapst

Type: DC Axial Fan

Impeller Size: 112 mm

Dimensions: 119 x 119 x 32 mm

Weight: 0.220 kg

Bearing Type: Ball bearing

Phase: DC

Nominal Voltage: 24 VDC

Voltage Range: 12.0 - 28.0 VDC

Connection Type: 2-wire (Leads AWG 22, TR 64, stripped and tin-plated)

Max. Current Draw: 0.21 A

Max. Power Consumption: 5.0 W

Rated Speed: 2800 RPM

Max. Air Flow: 100.06 CFM (170.0 m<sup>3</sup>/h / 2.83 m<sup>3</sup>/min)

Max. Static Pressure: 8.16 mmH<sub>2</sub>O (80.0 Pa / 0.32 inAq)

Working Air Flow: 170.0 m<sup>3</sup>/h

Static Pressure Increase: 80.0 Pa

Number of Blades: 5

Sound Power Level: 5.8 Bel

Sound Pressure Level: 45.0 dB(A)

Motor Protection: Electronic protection against reverse polarity and blocked rotor; Overload protection

Service Life (L10) at 40 °C: 62,500 h

Service Life (L10) at 75 °C: 27,500 h

Insulation Class: Class E

Degree of Protection: IP20 / Protection class III

Housing Material: Glass-fiber reinforced PBT plastic

Impeller Material: Glass-fiber reinforced PA plastic

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Exhaust over struts

Ambient Temperature (Max.): 75 °C

Min. Operating Temperature: -20 °C

Standard Compliance: VDE; CSA; UL; CE

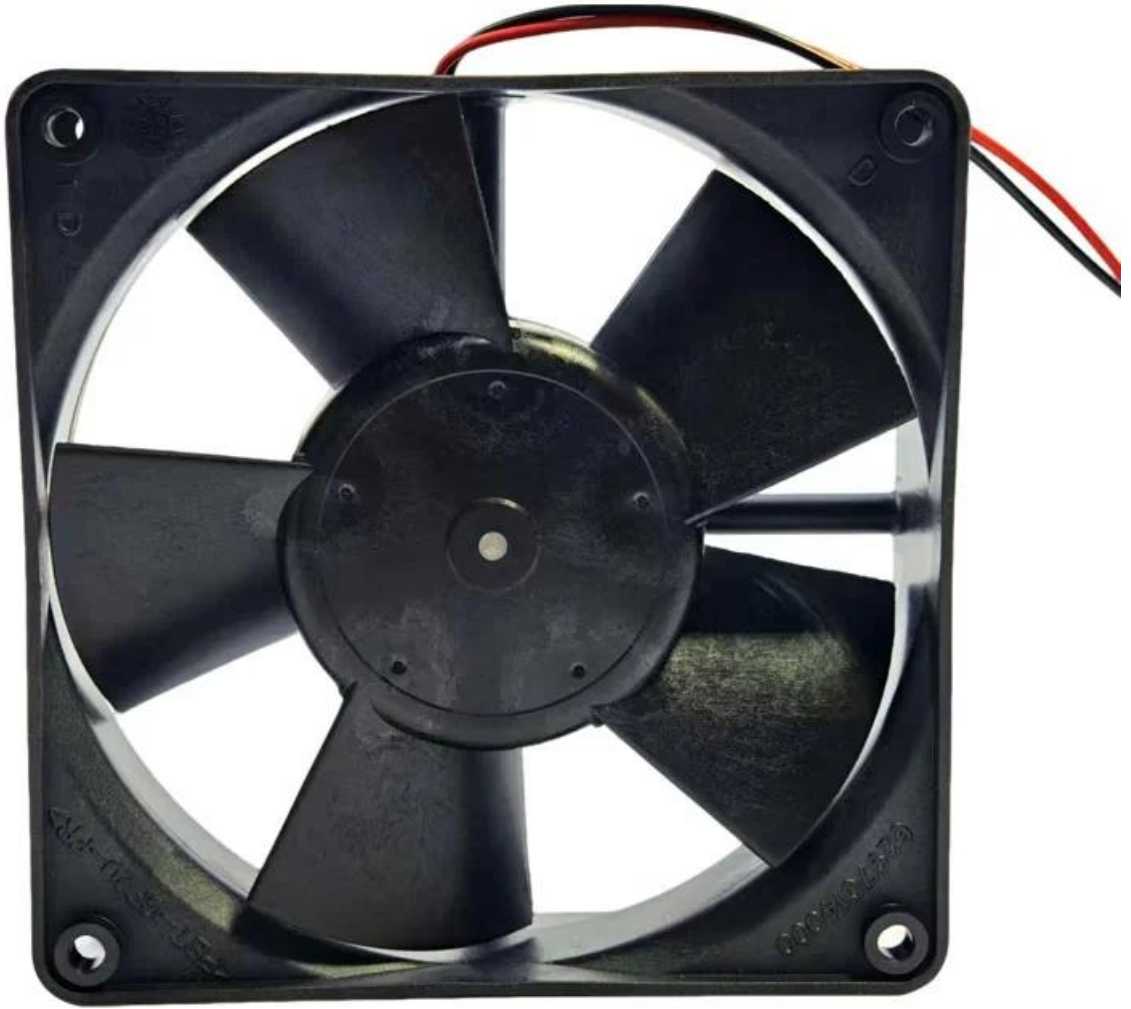
#### Application

The ebmpapst 4314 axial fan is the primary cooling component for industrial frequency converters and power supply units requiring high-reliability airflow and long service life in 24V DC environments.

## **Product Images**

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Scan for product details:

