

# 4314HR ebmpapst 24VDC 119x119x32mm DC Axial Fan

**SKU:** 4314HR

**Price:** \$122.85

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/4314hr-ebmpapst-24vdc-119x119x32mm-dc-axial-fan/>

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## Product Description

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The ebmpapst 4314HR is a high-performance 120 mm DC axial fan with a nominal voltage of 24 VDC and dimensions of 119 x 119 x 32 mm, specifically engineered for robust thermal management in high-density electronic environments. Driven by a precision brushless DC motor with a power consumption of 10.8 W and a current draw of 450 mA, this unit features a heavy-duty dual ball bearing system designed for long-term mechanical stability and continuous S1 duty. Its aerodynamic design delivers a powerful balance of significant airflow reaching 220.0 m<sup>3</sup>/h and a max static pressure of 124 Pa, making it highly effective at maintaining optimal temperatures in electronic enclosures. Constructed with a premium glass-fiber reinforced PBT plastic housing and impeller, this 220 g fan provides a dependable and durable cooling solution for industrial power supplies, server racks, and telecommunications cabinets at the end.

4314HR Fan Parameters

Model Number: 4314HR

Manufacturer: ebmpapst

Series: 4300N Series

Type: DC Axial Fan

Dimensions: 119 x 119 x 32 mm

Weight: 220 g

Bearing Type: Ball bearing

Nominal Voltage: 24 VDC

Voltage Range: 12.0 - 27.0 VDC

Power Consumption: 10.8 W

Nominal Current: 450 mA

Speed: 3650 RPM

Max. Air Flow: 62.23 CFM (105.7 m<sup>3</sup>/h / 1.76 m<sup>3</sup>/min)  
Max. Static Pressure: 9.81 mmH<sub>2</sub>O (96.24 Pa / 0.39 inH<sub>2</sub>O)  
Actual Air Flow: 220.0 m<sup>3</sup>/h  
Actual Static Pressure: 124 Pa  
Optimal Operating Point: 162.0 m<sup>3</sup>/h @ 33 Pa  
Sound Power Level: 6.7 bel(A)  
Sound Pressure Level: 52.0 dB(A)  
Motor Design: Brushless DC motor  
Motor Protection: Reverse polarity and locked-rotor protection  
Insulation Class: Class E  
Electrical Hookup: 2 Lead wires  
Number of Blades: 5  
Direction of Rotation: Clockwise, viewed toward rotor  
Airflow Direction: Exhaust over struts  
Impeller Material: Glass-fiber reinforced PBT plastic (UL 94V-0)  
Housing Material: Glass-fiber reinforced PBT plastic (UL 94V-0)  
Installation Position: Any  
Degree of Protection: IP20  
Operating Temperature: -10 - +55 °C  
Storage Temperature: -40 - +80 °C  
Service Life (L10 @ 40 °C): 35000 h  
Service Life (L10 @ Max. Temp): 25000 h  
Service Life (L10 IPC 9591): 60000 h  
Standard Compliance: EN 60950-1; CE  
Approval Agency: VDE, UL, CSA

#### Application

The ebmpapst 4314HR DC fan is primarily utilized in high-performance server racks, telecommunications base stations, large power supply units, and industrial automation control cabinets.

## **Product Images**

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ebmpapst

4314 HR

24V  $\ddot{=}$  DC  
(12 - 27 V  $\ddot{=}$  DC)

+ RD - BK

US-PAT: 5135363 RE34268

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DE (H)

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