

# 4314HAR ebmpapst 24V 0.34A 119x119x32mm DC Axial Fan

**SKU:** 4314HAR

**Price:** \$119.14

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/4314har-ebmpapst-24v-0-34a-119x119x-32mm-dc-axial-fan/>

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## Product Description

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The ebmpapst 4314HAR is a high-performance 24 VDC DC Axial Fan with dimensions of 119 x 119 x 32 mm, specifically engineered for demanding thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust brushless DC motor with integrated electronic protection and a speed signal output, this unit provides a precise power consumption of 8.2 W and a nominal current of 0.34 A at 24 VDC. Operating at a rated speed of 3400 RPM, it delivers a powerful airflow for efficient heat extraction. Constructed with a durable fibreglass-reinforced plastic (PBT) housing and a 5-blade high-strength plastic impeller featuring a precision ball bearing system, this 0.22 kg unit provides a dependable air-moving solution with a noise level of 55 dB(A) and IP20 protection, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

4314HAR Fan Parameters

Model Number: 4314HAR

Manufacturer: ebmpapst

Product Code: 9694360211

Type: DC Axial Fan

Impeller Size: 119 mm

Dimensions: 119.0 x 119.0 x 32.0 mm

Weight: 0.22 kg

Bearing Type: Ball bearing

Nominal Voltage: 24 VDC

Voltage Range: 18.0 - 28.0 VDC

Nominal Power Consumption: 8.2 W

Nominal Current Draw: 0.34 A  
Rated Speed: 3400 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)  
Working Air Flow: 225 m<sup>3</sup>/h  
Static Pressure Increase: 115 Pa  
Speed Signal: Tacho signal (White wire, 2 pulses/revolution)  
Motor Protection: Locked-rotor and reverse polarity protection  
Insulation Class: Class E  
Electrical Hookup: 3 lead wires (Red +, Blue -, White Tacho)  
Number of Blades: 5  
Direction of Rotation: Clockwise (viewed toward rotor)  
Airflow Direction: Exhaust over struts (Direction "V")  
Housing Material: Fibreglass-reinforced plastic (PBT)  
Impeller Material: Fibreglass-reinforced plastic (PA)  
Operation Mode: S1 (Continuous operation)  
Sound Power Level: 6.3 B  
Sound Pressure Level: 55 dB(A)  
Service Life (L10): 62,500 h (at 40 °C) / 32,500 h (at 70 °C)  
Operating Temperature: -20 - +70 °C  
Storage Temperature: -40 - +80 °C  
Degree of Protection: IP20  
Standard Compliance: EN 60335-1; CE  
Approval Agency: VDE; CSA; UL; CCC; EAC

#### Application

The ebmpapst 4314HAR DC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems for efficient exhaust and cooling.

## **Product Images**

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Scan for product details:

