

# 8214J/2H4P ebmpapst 24V 1.55A 80x80x38mm DC Axial Fan

**SKU:** 8214J/2H4P

**Price:** \$156.28

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/8214j-2h4p-ebmpapst-24v-1-55a-80x80x38mm-dc-axial-fan/>

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## Product Description

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The ebmpapst 8214J/2H4P is a high-performance 24 VDC DC Axial Fan with dimensions of 80 x 80 x 38 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 speed control, this unit provides a precise power consumption of 37 W and a nominal current of 1.55 A at 24 VDC. Operating at a peak speed of 14,000 RPM, it delivers a powerful airflow of 220.0 m<sup>3</sup>/h for efficient heat extraction. Constructed with a high-strength plastic housing and impeller featuring a precision ball bearing system, this 0.21 kg unit provides a dependable air-moving solution with a noise level of 71.0 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.

8214J/2H4P Fan Parameters

Model Number: 8214J/2H4P

Manufacturer: ebmpapst

Type: DC Axial Fan

Product Code: 9692910188 (VWC0080JUFCS)

Dimensions: 80.0 x 80.0 x 38.0 mm

Weight: 0.21 kg

Bearing Type: Ball bearing

Nominal Voltage: 24 VDC

Voltage Range: 12.0 - 27.6 VDC

Nominal Power Consumption: 37 W

Nominal Current Draw: 1.55 A

Max. Power Consumption: 39.0 W (at 27.6 VDC)

Starting Current: 6000 mA  
Rated Speed: 14,000 RPM  
Max. Air Flow: 129.49 CFM (220.0 m<sup>3</sup>/h / 3.67 m<sup>3</sup>/min)  
Max. Static Pressure: 72.40 mmH<sub>2</sub>O (710 Pa / 2.85 inH<sub>2</sub>O)  
Working Air Flow: 135.0 m<sup>3</sup>/h  
Static Pressure Increase: 330 Pa  
Control Input: PWM (1 kHz - 30 kHz)  
Speed Signal: Tacho signal (2 pulses/revolution)  
Motor Protection: Locked-rotor and reverse polarity protection  
Insulation Class: Class E  
Electrical Hookup: Lead wires (AWG 22)  
Number of Blades: 5  
Direction of Rotation: Counter-clockwise (viewed toward rotor)  
Airflow Direction: Exhaust over struts  
Housing/Impeller Material: Plastic  
Operation Mode: S1 (Continuous operation)  
Sound Pressure Level: 71.0 dB(A)  
Service Life (L10): 50,000 h (at 40 °C)  
Operating Temperature: -20 - +70 °C  
Storage Temperature: -40 - +80 °C  
Degree of Protection: IP20  
Standard Compliance: EN 60335; CE  
Approval Agency: VDE; CSA; UL; EAC

#### Application

The ebmpapst 8214J/2H4P DC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

## **Product Images**

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