

# 8214J/2H3PU-216 ebmpapst 24V DC Axial Fan

**SKU:** 8214J/2H3PU-216

**Price:** \$143.09

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/8214j-2h3pu-216-ebmpapst-24v-dc-axial-fan/>

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## Product Description

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The ebmpapst 8214J/2H3PU-216 is a robust and highly efficient 24VDC Axial Fan measuring 80x80x38 mm, specifically designed for applications requiring powerful cooling and high air movement in compact spaces. It operates across a wide voltage range from 12V to 27.6V. This fan consumes 24W of power, drawing 1.0A of current, and achieves a high speed of 12000 min<sup>-1</sup>. It provides a maximum free-air flow of 190 m<sup>3</sup>/h, with an optimal operating point at 133 m<sup>3</sup>/h with 210 Pa of static pressure. Constructed with durable ball bearings, an aluminum frame, and a glass-fiber reinforced plastic impeller, it ensures reliable thermal management. The fan is built with IP68 protection, ensuring high resistance against dust and water ingress. It offers advanced control capabilities through 4-Pin stranded wire connection and PWM control, with a PWM minimum of 90% at 1 kHz and a maximum of 100% at 5 kHz. This ebmpapst 8214J/2H3PU-216 DC axial fan is suitable for various applications such as in industrial electronics, telecommunications equipment, and other systems where reliable thermal management is critical.

### 8214J/2H3PU-216 Fan Parameters

Model: 8214J/2H3PU-216

Manufacturer: ebmpapst

Type: DC Axial Fan

Dimensions: 80 x 80 x 38 mm

Nominal Voltage: 24 VDC

Operating Voltage Range: 12 V to 27.6 V

Power Consumption: 24 W

Current Consumption: 1.0 A

Speed: 12000 min<sup>-1</sup>

Max. Free-air Flow: 190 m<sup>3</sup>/h

Bearing Type: Ball

Degree of Protection: IP68

Optimal Operating Point: 133 m<sup>3</sup>/h @ 210 Pa

Connection: 4-Pin Stranded Wire

PWM Control: Yes (PWM min.: 90% at 1 kHz; PWM max.: 100% at 5 kHz)

Frame Material: Aluminum

Impeller Material: Glass-fiber reinforced plastic

Min. Ambient Temperature: -20 °C

Max. Ambient Temperature: 70 °C

Life Expectancy: 50000 h at 40°C (L10)

Motor Protection: Impedance Protected

Approval: UL, CSA, VDE, CE

Application: This ebmpapst 8214J/2H3PU-216 DC axial fan is suitable for various applications requiring efficient cooling and high air movement in compact spaces, such as in industrial electronics, telecommunications equipment, and other systems where reliable thermal management is critical.

## **Product Images**

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## ► 配件 Accessories



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