

# 8212JNR ebmpapst 12VDC 0.86A 80x80x38mm Axial Fan Datasheet



**Brand:** ebmpapst

**SKU:** 711456363307

**Category:** Axial & Centrifugal Fans

**Price:** **\$85.99**

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Product Page:

<https://www.equipspares.com/product/8212jnr-ebmpapst-12vdc-0-86a-80x80x38mm-axial-fan>

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## Product Description

The ebmpapst 8212JNR is a high-performance DC axial fan engineered for demanding industrial applications requiring substantial airflow and static pressure. Designed with a compact 80mm footprint, this unit utilizes advanced motor technology to achieve a rotational speed of 8400 RPM while operating efficiently on a 12VDC supply. The aerodynamic impeller geometry is optimized to reduce turbulence and maximize air throughput, making it ideal for high-density electronic enclosures. Constructed with robust materials to ensure structural rigidity and thermal stability, the 8212JNR features a precision ball bearing system that enhances longevity and reliability under continuous load. Its high power density allows for effective heat dissipation in environments where thermal impedance must be strictly managed.

Model Number: 8212JNR

Brand: ebmpapst

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.86 A

Power Consumption: 10.3 W

Rated Speed: 8400 RPM

Max. Air Flow: 78.0 CFM (132.6 m<sup>3</sup>/h)

Dimensions: 80 x 80 x 38 mm

Bearing Type: Ball Bearing

Termination: 2-Wire Leads

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PA Plastic (UL94V-0)

Weight: Approx. 170 g

Operating Temperature: -20°C to +70°C

Motor Type: DC Brushless

Direction of Rotation: Clockwise viewed toward rotor

The 8212JNR is frequently deployed in mission-critical hardware such as server racks, telecommunications base stations, and industrial power inverters where space is limited but cooling requirements are high. Its robust airflow capabilities make the 8212JNR suitable for cooling CNC machinery control panels and medical diagnostic equipment. Furthermore, the 8212JNR is often integrated into network switches and storage arrays to prevent thermal throttling, ensuring consistent system performance and component longevity in 24/7 operational environments.