

424JN ebmpapst 24V 0.18A 40x40x28mm DC Axial Fan

SKU: 424JN

Price: \$53.57

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/424jn-ebmpapst-24v-0-18a-40x40x28mm-dc-axial-fan/>

Product Description

The ebmpapst 424JN is a high-performance 24VDC IP68-rated DC Axial Fan with dimensions of 40 x 40 x 28 mm, featuring a glass-fiber reinforced PBT housing and a fully encapsulated motor designed for mission-critical cooling in Industrial Frequency Converters and high-density electronic systems. Driven by a specialized high-speed brushless external rotor motor with maintenance-free ball bearings and complete environmental protection, this 0.045 kg unit operates at 24 VDC delivering a Max. Power Consumption of 4.3 W and a Max. Current Draw of 0.18 A at a rated speed of 14250 RPM. This High-performance unit achieves a Max. Air Flow of 31.0 m³/h (18.2 CFM / 0.52 m³/min) and a Max. Static Pressure of 21.41 mmH₂O (210.0 Pa / 0.84 inAq). Featuring a "Made in Germany" robust construction with IP68-rated moisture and salt spray protection, this unit is optimized for environments requiring extreme reliability and high-static pressure in industrial VFD systems at the end.

424JN Fan Parameters

Model Number: 424JN

Manufacturer: ebmpapst

Part number: 9291908015

Type: DC Axial Fan

Dimensions: 40 x 40 x 28 mm

Weight: 0.045 kg

Origin: Germany

Bearing Type: Ball bearing (Long-time lubrication)

Phase: DC

Nominal Voltage: 24 VDC

Voltage Range: 16.0 - 28.0 VDC

Connection Type: 2-wire (Leads AWG 28, UL 1061)
Max. Current Draw: 0.18 A
Max. Power Consumption: 4.3 W
Rated Speed: 14250 RPM
Max. Air Flow: 18.2 CFM (31.0 m³/h / 0.52 m³/min)
Max. Static Pressure: 21.41 mmH₂O (210.0 Pa / 0.84 inAq)
Working Air Flow: 31.0 m³/h
Static Pressure Increase: 210.0 Pa
Sound Pressure Level: 48 dB(A)
Sound Power Level: 6.0 Bel(A)
Motor Protection: Electronic blocking / Reverse polarity protection
Service Life (L10): 67,500 h (20 °C) / 35,000 h (60 °C)
Insulation Class: Class E
Degree of Protection: IP68 (Fully encapsulated motor)
Housing Material: Glass-fiber reinforced PBT plastic
Impeller Material: Glass-fiber reinforced PA plastic
Direction of Rotation: Counterclockwise (viewed toward rotor)
Airflow Direction: Exhaust over struts
Ambient Temperature (Max.): 70 °C
Min. Operating Temperature: -20 °C
Standard Compliance: VDE; CSA; UL; CE

Application

The ebmpapst 424JN axial fan is the primary cooling component for industrial frequency converters, specialized medical equipment, and high-density power modules requiring IP68-rated waterproof protection and extreme-static pressure performance.

Product Images







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