

424J/2HP ebmpapst 24V 0.28A 40x40x28mm DC Axial Fan

SKU: 424J/2HP

Price: \$77.42

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/424j-2hp-ebmpapst-24v-0-28a-40x40x28mm-dc-axial-fan/>

Product Description

The ebmpapst 424J/2HP (Part No. 9291908006) is an ultra-high-performance 24 VDC axial fan from the S-Panther series, specifically engineered for intense thermal management in space-constrained electronic environments. Driven by a sophisticated 4-wire interface, this unit is part of the VWCE040JJDES series and delivers a powerful airflow at a rated speed of 17250 RPM. Operating with a nominal current of 0.28 A and a power consumption of 6.9 W, it generates significant static pressure of 530 Pa, making it ideal for cooling high-density server blades and compact power modules. The robust design features glass-fiber reinforced plastic housing and impellers, combined with premium ball bearings to ensure durability under extreme high-speed operation. The 424J/2HP provides professional-grade precision cooling with PWM speed control and Tacho feedback across a wide DC voltage range of 16-26.4 V.

424J/2HP Fan Parameters

Model Number: 424J/2HP

Part Number: 9291908006

Series Reference: VWCE040JJDES

Manufacturer: ebmpapst

Series: S-Panther Series

Type: DC Axial Fan

Size: 40 mm

Dimensions: 40 x 40 x 28 mm

Weight: 0.045 kg

Bearing Type: Ball Bearing

Nominal Voltage: 24 VDC

Voltage Range: 16.0 - 26.4 VDC

Power Consumption: 6.9 W

Nominal Current: 0.28 A

Starting Current: 0.9 A

Speed: 17250 RPM

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Actual Air Flow: 38.0 m³/h

Actual Static Pressure: 530 Pa

Sound Power Level: 6.6 Bel(A)

Sound Pressure Level: 54.0 dB(A)

Control Input: PWM

Output Signal: Tacho (Speed signal)

Electrical Hookup: 4 Lead wires (Red: +24V; Blue: GND; Violet: PWM; White: Tacho)

Number of Blades: 7

Direction of Rotation: Counter-clockwise, viewed toward rotor

Airflow Direction: Air outlet over struts

Impeller Material: Glass-fiber reinforced plastic (PA)

Housing Material: Glass-fiber reinforced plastic (PBT)

Installation Position: Any

Degree of Protection: IP20

Operating Temperature: -20 - +65 °C

Service Life (L10 @ 40 °C): 60000 h

Standard Compliance: EN 60950-1, CE

Approval Agency: VDE, UL, CSA, EAC

Application

The ebmpapst 424J/2HP axial fan is primarily utilized in high-density server racks, network switches, telecommunications modules, high-performance power supplies, and compact medical diagnostic equipment.

Product Images







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