

3258J/2HHP ebm-papst 48VDC 92x92x38mm PWM Axial Fan Datasheet



Brand: ebmpapst

SKU: 1018317150335

Category: Axial & Centrifugal Fans

Price: \$176.99

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Product Page:

<https://www.equipspares.com/product/3258j-2hhp-ebm-papst-48vdc-92x92x38mm-pwm-axial-fan>

Product Description

The ebm-papst 3258J/2HHP is a high-performance Tubeaxial Fan engineered for demanding thermal management applications requiring significant static pressure and airflow density. Utilizing advanced electronically commutated (EC) DC motor technology, this unit features a robust glass-fiber reinforced plastic housing (PBT) and impeller (PA) designed to maintain structural rigidity under high rotational velocities. The aerodynamic profile minimizes turbulence while optimizing thermal impedance reduction in dense electronic enclosures. Equipped with a maintenance-free ball bearing system and a 4-wire PWM interface, it offers precise speed regulation and extended service life, ensuring reliability in critical industrial environments where consistent cooling is mandatory for component longevity.

Model Number: 3258J/2HHP

Brand: ebm-papst

Product Type: Tubeaxial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 0.51 A

Power Consumption: 24.3 W

Rated Speed: 6650 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 129.5 CFM (220 m³/h / 3.66 m³/min)
Max. Static Pressure: 1.12 inH₂O (280 Pa / 28.5 mmH₂O)
Dimensions: 92 x 92 x 38 mm
Weight: 0.28 kg (0.62 lbs)
Life Expectancy: 70,000 Hours @ 40°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Leads
Noise Level: 64 dB(A)
Housing Material: PBT Plastic (Glass-fiber reinforced)
Impeller Material: PA Plastic (Glass-fiber reinforced)
Operating Temperature: -20°C to +70°C
Storage Temperature: -40°C to +80°C
Direction of Rotation: Clockwise looking at rotor
Airflow Direction: Air exhaust over struts
Motor Protection: Reverse Polarity, Locked Rotor Protection
Approvals: UL, CSA, VDE, CE

This cooling solution is specifically calibrated for high-density electronic assemblies such as telecommunications base stations, server rack cooling modules, and industrial power supply units. The 3258J/2HHP excels in environments where back-pressure is a limiting factor, effectively forcing air through tightly packed components to prevent thermal throttling. Additionally, the 3258J/2HHP is frequently utilized in medical instrumentation and CNC machinery control panels where consistent thermal regulation and variable speed control via PWM are paramount for operational stability.

Supplemental Images

