

3218J/2H4P-208 ebmpapst 48VDC 50W 92x92x38mm Axial Fan Datasheet



Brand: ebmpapst

SKU: 1046121459050

Category: Axial & Centrifugal Fans

Price: **\$185.71**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/3218j-2h4p-208-ebmpapst-48vdc-50w-92x92x38mm-axial-fan>

Product Description

ebmpapst 3218J/2H4P-208 92 x 92 x 38 mm 48 VDC 50 W high-performance axial fan. This S-Force series unit is constructed with a glass-fiber reinforced PBT plastic housing and impeller, utilizing a precision dual ball bearing system for high-speed stability. It features a 4-wire interface supporting integrated PWM speed control and a tachometer signal output for real-time monitoring. The internal commutation electronics provide protection against reverse polarity and rotor locking, while the aerodynamic design achieves a maximum airflow rate of 280.5 m³/h at a rotational speed of 13000 RPM.

3218J/2H4P-208 Specifications

Model: 3218J/2H4P-208

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Nominal Voltage: 48 VDC

Voltage Range: 36 to 72 VDC

Power Consumption: 50 W

Nominal Current: 1.0 A

Rotational Speed: 13000 RPM

Airflow: 280.5 m³/h (165 CFM)

Dimensions: 92 x 92 x 38 mm

Bearing Type: Ball Bearing

Material: Glass-fiber reinforced PBT plastic

Interface: 4-wire (Lead type)

Control Input: PWM

Output Signal: Speed signal (Tacho)

Operating Temperature: -20 to +70 °C

Service Life (L10): 50000 h at 40 °C

Weight: 0.28 kg

Sound Power Level: 7.3 Bels

Sound Pressure Level: 73 dB(A)

Protection Rating: IP20

3218J/2H4P-208 Applications

Primary applications include integration into high-density 1U server rack cooling systems, industrial workstation thermal management, and telecommunications base station ventilation. Deployed within CNC control cabinets, medical imaging equipment, and high-performance network switching hardware requiring concentrated airflow and precise PWM thermal regulation.

Supplemental Images

