6448/17TDAU-386 ebmpapst 48VDC 172mm PWM Axial Fan Datasheet

Brand: ebmpapst

SKU: 759203212091

Category: Axial & Centrifugal Fans

Price: **$163.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/6448-17tdau-386-ebmpapst-48vdc-172mm-pwm-axial-fan

Product Description

The ebmpapst 6448/17TDAU-386 is a high-performance DC Axial Fan engineered for demanding industrial environments requiring substantial airflow and static pressure capabilities. Utilizing advanced motor commutation technology and a precision-balanced impeller, this unit optimizes thermal impedance management within high-density enclosures. The robust construction features a die-cast aluminum housing ensuring structural rigidity, while the maintenance-free ball bearing system guarantees longevity under continuous operation. Designed with a 5-wire interface, it supports precise PWM speed modulation and tachometer feedback, making it ideal for dynamic cooling requirements in printing machinery and power electronics.

Model Number: 6448/17TDAU-386
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 48 VDC
Voltage Range: 40.0 - 55.0 VDC
Rated Current: 1.0 A
Power Consumption: 48 W
Dimensions: 172 x 150 x 51 mm
Bearing Type: Ball Bearing
Max. Air Flow: Approx. 285 CFM (485 m^3/h)

Max. Static Pressure: High Pressure Profile
Termination: 5-Wire Leads
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer / Speed Sensor
Housing Material: Die-Cast Aluminum
Impeller Material: Fiberglass Reinforced PA Plastic
Operating Temperature: -20°C to +72°C
Mounting Orientation: Any
Ingress Protection: IP20

The 6448/17TDAU-386 is frequently deployed in heavy industrial machinery, specifically within the printing industry for equipment such as KBA (Koenig & Bauer) offset presses. Its high static pressure capabilities make the 6448/17TDAU-386 essential for paper delivery systems and drying units where consistent airflow is critical to prevent overheating and ensure operational precision. Additionally, this model serves effectively in telecommunications cabinets, server rack cooling, and power supply ventilation systems requiring reliable thermal dissipation.

Supplemental Images


ebmpapst
6448/17TDAU
48V ⎓ DC 1,0A 48W
(40 - 55V ⎓ DC)
+RD -BK
CTRL:BN ALARM: YE
DIR:OG
Var.386
©ebm-papst 1998-2001
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DE (H)
31.19
ZP