YM2409PTB1 Yimeng 24VDC 92x92x25mm Axial Cooling Fan Datasheet

SKU: 693701477234

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ym2409ptb1-yimeng-24vdc-92x92x25mm-axial-cooling-fan

Product Description

The Yimeng YM2409PTB1 is a precision-engineered DC Axial Fan designed for high-reliability industrial thermal management. Featuring a robust Dual Ball Bearing architecture, this unit ensures minimized friction and extended operational lifespan under continuous load conditions. The 92mm aerodynamic impeller is optimized for balanced static pressure and airflow, making it ideal for restricted enclosures where efficient heat dissipation is critical. Its structural rigidity and efficient DC motor design reduce thermal impedance, providing consistent cooling performance for sensitive electronic components such as variable frequency drives and power supplies.

Model Number: YM2409PTB1
Brand: Yimeng (Huaxia Hengtai)
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.18 A
Power Consumption: 4.32 W
Rated Speed: 3200 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 55.0 CFM (93.4 m^3/h)
Max. Static Pressure: 4.8 mmH_2O (47 Pa)

Dimensions: 92 x 92 x 25 mm
Termination: 2-Wire Leads (Bare Wire)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Mounting Orientation: Any
Application: Inverter Cooling

The YM2409PTB1 is specifically engineered for critical thermal regulation in industrial environments, particularly within variable frequency drives (VFDs) and power inverters. Its compact 92mm form factor allows for seamless integration into server racks, telecommunication cabinets, and CNC control modules where space is at a premium. By maintaining optimal operating temperatures, the YM2409PTB1 safeguards sensitive electronics from thermal throttling and failure, ensuring system reliability in automation and power supply units.

Supplemental Images