

FD248025EB Y.S.TECH 24VDC 80x80x25mm 2-Wire Axial Fan Datasheet



Brand: Y.S.TECH

SKU: 862832508018

Category: Axial & Centrifugal Fans

Price: \$9.99

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Product Page:

<https://www.equipspares.com/product/fd248025eb-y-s-tech-24vdc-80x80x25mm-2-wire-axial-fan>

Product Description

The Y.S.TECH FD248025EB is a precision-engineered DC axial fan designed for rigorous industrial thermal management applications. This unit features a robust Brushless DC (BLDC) motor architecture paired with a high-durability Dual Ball Bearing system, ensuring consistent rotational stability and reduced friction over extended operational lifecycles. The housing and impeller are constructed from flame-retardant PBT (UL94V-0), providing excellent structural rigidity and resistance to environmental stress. Optimized for thermal impedance reduction, the aerodynamic blade design maximizes airflow efficiency while maintaining static pressure levels suitable for high-density electronic enclosures and frequency inverters.

Model Number: FD248025EB

Brand: Y.S.TECH

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.23 A

Power Input: 5.52 W

Rated Speed: 4200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 45.2 CFM (76.8 m³/h / 1.28 m³/min)

Max. Static Pressure: 5.8 mmH₂O (56.8 Pa / 0.23 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 86 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 38.0 dBA

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 2 Lead Wires (Red +, Black -)

Wire Gauge: 24 AWG

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Dielectric Strength: 500VAC / 1 Minute

Safety Approvals: UL, CUL, TUV, CE

The FD248025EB is specifically configured for critical cooling tasks within industrial automation and power conversion systems. It is frequently deployed in variable frequency drives (VFDs), server rack ventilation systems, and compact power supply units where reliable heat dissipation is non-negotiable. The high-speed profile of the FD248025EB allows it to effectively overcome system resistance in tightly packed electronic assemblies, making it an ideal choice for CNC machinery control panels and telecommunications equipment requiring continuous duty cycles.

Supplemental Images

