

FD246025EB Y.S.TECH 24VDC 60x60x25mm Axial Fan Datasheet



Brand: Y.S.TECH

SKU: [673272924182](#)

Category: Axial & Centrifugal Fans

Price: **\$10.99**

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Product Page: <https://www.equipspares.com/product/fd246025eb-y-s-tech-24vdc-60x60x25mm-axial-fan>

Product Description

The Y.S.TECH FD246025EB is a precision-engineered DC axial fan designed for demanding industrial thermal management applications. Utilizing advanced DC brushless motor technology, this unit optimizes aerodynamic efficiency while maintaining low thermal impedance during continuous operation. The construction features a robust thermoplastic housing that ensures structural rigidity and vibration resistance, essential for maintaining consistent airflow in variable environments. Engineered with a high-reliability bearing system, the FD246025EB delivers stable rotational performance and extended service life, making it an ideal solution for critical cooling requirements where component longevity and airflow stability are paramount.

Model Number: FD246025EB

Brand: Y.S.TECH

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.21 A

Power: 5.04 W

Rated Speed: 5200 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 26.5 CFM (45.0 m³/h / 0.75 m³/min)

Max. Static Pressure: 7.2 mmH₂O (70.6 Pa / 0.28 inH₂O)

Dimensions: 60 x 60 x 25 mm

Weight: 58 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 36.0 dB(A)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire Leads (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP20

Insulation Resistance: 10M Ohm at 500VDC

Dielectric Strength: 5mA Max at 500VAC 60Hz

Motor Protection: Impedance Protected, Reverse Polarity Protection

Certifications: UL, CUL, TUV, CE

This cooling solution is specifically calibrated for high-density electronic environments, including variable frequency drives and industrial inverters where the FD246025EB ensures optimal thermal regulation. The FD246025EB is frequently integrated into server rack enclosures, telecommunications power supplies, and CNC control modules to dissipate heat effectively. Its compact form factor allows for seamless installation in restricted spaces found in medical instrumentation and automation control panels, safeguarding sensitive components from thermal degradation.

Supplemental Images

