

FD248032EB-P Y.S.TECH 24VDC 80x80x32mm Axial Fan Datasheet



Brand: Y.S.TECH

SKU: 804285516867

Category: Axial & Centrifugal Fans

Price: \$9.99

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Product Page: <https://www.equipspares.com/product/fd248032eb-p-y-s-tech-24vdc-80x80x32mm-axial-fan>

Product Description

The Y.S.TECH FD248032EB-P is a high-performance DC axial fan engineered specifically for demanding industrial thermal management applications. Utilizing a robust motor design coupled with a precision ball bearing architecture, this unit delivers exceptional structural rigidity and operational longevity, even under continuous high-load conditions. The aerodynamic impeller geometry is optimized to maximize airflow efficiency while reducing thermal impedance within dense electronic enclosures. Built to withstand rigorous environments, the fan features a durable housing compliant with industrial flammability standards. It serves as a critical component for maintaining thermal equilibrium in power electronics, ensuring system stability and preventing overheating in compact machinery.

Model Number: FD248032EB-P

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Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.54 A

Input Power: 12.96 W

Rated Speed: 5800 RPM

Max. Air Flow: 65.2 CFM (110.8 m³/h)

Max. Static Pressure: 11.5 mmH₂O (112.8 Pa / 0.45 inH₂O)

Bearing Type: Double Ball Bearing

Dimensions: 80 x 80 x 32 mm

Noise Level: 48.0 dBA

Termination: 2-Wire Lead

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Mounting Orientation: Any

Ingress Protection: IP20

This robust cooling solution is widely utilized in industrial automation sectors, specifically for variable frequency drives (VFD) and power inverter systems. The FD248032EB-P is frequently integrated into server racks, telecommunications cabinets, and CNC machinery control panels where high static pressure is required to overcome airflow resistance. Engineers rely on the FD248032EB-P for its durability in 24/7 operational environments, ensuring critical components remain within safe thermal limits during peak processing loads.