

FD244020MB-H Y.S.TECH 24VDC 0.07A 40x40x20mm Axial Fan Datasheet



Brand: Y.S.TECH

SKU: [652355912097](#)

Category: Axial & Centrifugal Fans

Price: **\$15.99**

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Product Page:

<https://www.equipspares.com/product/fd244020mb-h-y-s-tech-24vdc-0-07a-40x40x20mm-axial-fan>

Product Description

The Y.S.TECH FD244020MB-H is a precision-engineered DC Axial Fan designed for applications requiring reliable thermal management within a compact footprint. Utilizing a robust 2-Ball Bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load, significantly outperforming sleeve bearing alternatives in high-temperature environments. The aerodynamic impeller design optimizes airflow efficiency while maintaining low acoustic signatures, effectively reducing thermal impedance in high-density electronic enclosures. Constructed with high-grade thermoplastic UL94V-0 materials, the frame offers superior structural rigidity and resistance to environmental stress, making it an ideal solution for critical industrial cooling requirements where consistent performance is mandatory.

Model Number: FD244020MB-H

Brand: Y.S.TECH (Yen Sun Technology)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.07 A

Power Consumption: 1.68 W

Rated Speed: 5800 RPM

Bearing Type: 2-Ball Bearing

Max. Air Flow: 7.5 CFM (12.74 m³/h / 0.21 m³/min)
Max. Static Pressure: 4.8 mmH₂O (47.07 Pa / 0.19 inH₂O)
Dimensions: 40 x 40 x 20 mm
Weight: 28 g
Life Expectancy: 70,000 Hours @ 40°C
Termination: 3-Wire (Lead Wire with Tachometer Signal)
Noise Level: 29.0 dBA
Housing Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Ingress Protection: IP4X
Safety Approvals: UL, cUL, TUV, CE
Mounting Orientation: Any

This cooling solution is engineered for integration into compact electronic assemblies such as 1U server power supplies, network switches, and industrial automation controllers. The FD244020MB-H provides consistent airflow necessary for dissipating heat from sensitive components like chipsets and voltage regulators in telecommunications equipment. Additionally, the FD244020MB-H is frequently utilized in medical instrumentation and CNC control panels where space constraints demand a high-reliability thermal solution with a compact form factor and signal monitoring capabilities.

Supplemental Images

