

FD121225SB-EAG Y.S.TECH 12VDC 120x120x25mm PWM Axial Fan Datasheet



Brand: Y.S.TECH

SKU: [885948219838](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/fd121225sb-eag-y-s-tech-12vdc-120x120x25mm-pwm-axial-fan>

Product Description

The Y.S.TECH FD121225SB-EAG is a high-performance DC Axial Fan designed for critical thermal management applications requiring substantial airflow and static pressure. Engineered with a robust Dual Ball Bearing architecture, this unit ensures operational stability and longevity even at its peak rotational speed of 4800 RPM. The fan utilizes a specialized aerodynamic impeller design to mitigate thermal impedance in high-density electronic enclosures. Featuring a 4-wire interface with PWM support, it allows for precise speed modulation, including a zero-RPM stop mode for acoustic optimization during low-load states. The structural rigidity of the frame combined with high-torque motor characteristics makes it an ideal solution for overcoming system resistance in industrial environments.

Model Number: FD121225SB-EAG

Brand: Y.S.TECH

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Operating Voltage Range: 7.0 - 13.2 VDC

Rated Current: 2.30 A

Measured Current: 1.93 A

Power Consumption: 27.6 W

Rated Speed: 4800 RPM

Max. Air Flow: 150.0 CFM (254.8 m³/h)
Max. Static Pressure: 14.5 mmH₂O (142 Pa)
Dimensions: 120 x 120 x 25 mm
Bearing Type: Dual Ball Bearing
Noise Level: 56.0 dBA
Speed Control: PWM (Pulse Width Modulation)
Function: Supports 0 RPM Stop Mode
Termination: 4-Wire Lead
Connector Type: C3 (Default) / Standard 4-Pin Motherboard
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours @ 40°C

The FD121225SB-EAG is specifically engineered for deployment in high-density server racks and industrial computing systems where rapid heat dissipation is mandatory. Common integration points include chassis cooling for cryptocurrency mining rigs, telecommunications base stations, and precision CNC electronics cabinets. The FD121225SB-EAG provides the necessary static pressure to force air through restrictive heatsinks and filters, ensuring component reliability in 24/7 operational environments.

Supplemental Images

