

FD121238MB-P Y.S.TECH 12VDC 120x120x38mm 3.0A Axial Fan Datasheet



Brand: Y.S.TECH

SKU: 873404015219

Category: Axial & Centrifugal Fans

Price: **\$14.99**

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Product Page:

<https://www.equipspares.com/product/fd121238mb-p-y-s-tech-12vdc-120x120x38mm-3-0a-axial-fan>

Product Description

The Y.S.TECH FD121238MB-P is a high-capacity DC axial fan engineered for critical thermal management in environments requiring substantial static pressure and airflow throughput. Utilizing a robust DC brushless motor architecture, this unit operates with a significant power profile to overcome high system impedance in dense electronic enclosures. The construction features a reinforced thermoplastic frame and impeller designed to maintain structural rigidity under high rotational velocities. Equipped with a precision double ball bearing system, the FD121238MB-P ensures minimized frictional coefficients and extended operational service life, making it a reliable solution for mitigating thermal loads in continuous-duty industrial applications.

Model Number: FD121238MB-P

Brand: Y.S.TECH

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Rated Current: 3.0 A

Power Consumption: 36.0 W

Dimensions: 120 x 120 x 38 mm

Bearing Type: Dual Ball Bearing

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Motor Type: DC Brushless

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Mounting Orientation: Flange Mount

Ingress Protection: Standard

Operating Temperature: -10°C to +70°C

Application: Server/Industrial Cooling

The FD121238MB-P is specifically deployed in high-performance computing scenarios, such as rack-mounted server chassis and data center infrastructure, where maintaining optimal operating temperatures is critical. Its high-static pressure capabilities allow it to effectively force air through restrictive heatsinks and densely packed components found in telecommunications equipment and power supply units. Furthermore, the FD121238MB-P is utilized in industrial automation control cabinets and CNC machinery, providing the necessary air exchange to prevent thermal throttling and ensure the longevity of sensitive electronic hardware.

Supplemental Images

