

YY4010H12B SNOWFAN 12VDC 0.22A 40x40x10mm Axial Fan Datasheet



Brand: SNOWFAN

SKU: [1034866112834](#)

Category: Axial & Centrifugal Fans

Price: **\$7.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/yy4010h12b-snowfan-12vdc-0-22a-40x40x10mm-axial-fan>

Product Description

SNOWFAN YY4010H12B is a 12VDC 40x40x10mm Axial Fan optimized for high-density thermal management in space-constrained industrial enclosures. This DC brushless motor utilizes a precision dual ball bearing architecture to minimize friction and extend service life in continuous duty cycles. The aerodynamic impeller design is engineered to reduce thermal impedance while maintaining structural rigidity under high rotational speeds. Operating at a rated current of 0.22A, this unit delivers consistent static pressure required to overcome internal resistance in compact chassis. The integrated three-wire configuration provides a dedicated tachometer signal for real-time RPM monitoring, ensuring system reliability in mission-critical applications.

Model Number: YY4010H12B

Brand: SNOWFAN

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.22 A

Power: 2.64 W

Rated Speed: 8000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 9.50 CFM (16.14 m³/h)

Max. Static Pressure: 5.84 mmH₂O (57.27 Pa)

Dimensions: 40 x 40 x 10 mm

Weight: 25 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: Tachometer (Frequency Generator)

Noise Level: 32.5 dB(A)

Housing/Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 3 Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, RoHS, UL

YY4010H12B Applications

1. VFD and Inverter Cooling: The high static pressure to size ratio allows for efficient heat dissipation from power modules in compact variable frequency drives.
2. Medical Diagnostic Equipment: Low-vibration dual ball bearings provide the mechanical stability required for sensitive optical and laboratory instrumentation.
3. 1U/2U Rackmount Servers: Ideal replacement fan for high-density networking hardware where 10mm depth is mandatory for airflow path clearance.
4. Industrial Control Cabinets: Reliable thermal regulation for PLCs and localized hot spots in ruggedized automation environments.

Supplemental Images

