

YY4020H12S SNOWFAN 12VDC 40x40x20mm Axial Fan Datasheet



Brand: SNOWFAN

SKU: [997132426894](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page: <https://www.equipspares.com/product/yy4020h12s-snowfan-12vdc-40x40x20mm-axial-fan>

Product Description

SNOWFAN YY4020H12S is a 12VDC 40x40x20mm Axial Fan optimized for localized thermal management in space-constrained enclosures. Engineered with a high-efficiency DC motor and a precision sleeve bearing architecture, this unit balances structural rigidity with aerodynamic efficiency to minimize thermal impedance. Operating at a rated current of 0.20A and consuming 2.4W, the YY4020H12S delivers consistent static pressure required to overcome internal resistance in compact electronics. The 20mm depth provides an enhanced blade pitch compared to standard 10mm variants, ensuring superior airflow-to-noise ratios for critical cooling tasks in industrial and consumer hardware.

Model Number: YY4020H12S

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Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.20 A

Power: 2.4 W

Rated Speed: 6500 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 8.2 CFM

Max. Static Pressure: 4.8 mmH₂O

Dimensions: 40 x 40 x 20 mm

Weight: 25 g

Life Expectancy: 30,000 Hours at 25°C

Housing Material: Thermoplastic PBT UL94V-0

Blade Material: Thermoplastic PBT UL94V-0

Termination: 2-Wire Lead Wires

Wire Length: 300 mm

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Insulation Resistance: 10M Ohm at 500 VDC

YY4020H12S Applications

1. Compact Power Supply Units: The 20mm depth allows for increased static pressure to drive air through densely packed components in small-form-factor PSUs.
2. 3D Printer Hotend Cooling: Ideal replacement fan for 40mm extruder setups where high RPM and lightweight construction are required to prevent heat creep.
3. Network Switch Maintenance: Optimized for 1U network equipment requiring reliable exhaust fans to maintain low internal ambient temperatures." temperatures.

Supplemental Images

