

YY8025H12B SNOWFAN 12VDC 80x80x25mm 1.95A Axial Fan Datasheet



Brand: SNOWFAN

SKU: 900760111810

Category: Axial & Centrifugal Fans

Price: \$8.99

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Product Page:

<https://www.equipspares.com/product/yy8025h12b-snowfan-12vdc-80x80x25mm-1-95a-axial-fan>

Product Description

The SNOWFAN YY8025H12B is a high-performance DC Axial Fan designed for demanding industrial and server-grade cooling environments. Utilizing a precision Dual Ball Bearing system, this unit offers exceptional durability and rotational stability, significantly extending the mean time between failures (MTBF) under continuous operation. The motor assembly is engineered to handle high current loads, delivering substantial airflow and static pressure to overcome high thermal impedance in dense electronic systems. Equipped with a 4-wire PWM interface, the YY8025H12B allows for dynamic speed regulation, ensuring optimal cooling efficiency while managing power consumption and acoustic output.

Model Number: YY8025H12B

Brand: SNOWFAN

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 1.95 A

Power Input: 23.4 W

Rated Speed: 6500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 88.5 CFM (150.3 m³/h / 2.50 m³/min)

Max. Static Pressure: 16.2 mmH₂O (158.8 Pa / 0.64 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 115 g

Life Expectancy: 70,000 Hours @ 40°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead with Connector

Wire Configuration: Red (+), Black (-), Yellow (Tach), Blue (PWM)

Housing Material: PBT Thermoplastic (UL94V-0)

Blade Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

The YY8025H12B is specifically engineered for high-density electronic environments requiring aggressive thermal dissipation, such as rack-mount servers, telecommunications base stations, and industrial power supplies. Its high-static pressure capabilities make it ideal for forcing air through restrictive chassis and dense heatsinks found in cryptocurrency mining rigs and advanced CNC machinery. By integrating the YY8025H12B into critical cooling subsystems, operators ensure reliable thermal regulation for sensitive components, preventing overheating in continuous-duty applications.

Supplemental Images

