

YY6025H12B SNOWFAN 12VDC 60x60x25mm Waterproof Axial Fan Datasheet



Brand: SNOWFAN

SKU: 960160889043

Category: Axial & Centrifugal Fans

Price: \$7.99

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Product Page:

<https://www.equipspares.com/product/yy6025h12b-snowfan-12vdc-60x60x25mm-waterproof-axial-fan>

Product Description

The SNOWFAN YY6025H12B is a robust DC axial fan engineered for demanding industrial environments requiring effective thermal management and ingress protection. This unit features a precision-balanced impeller driven by a high-torque DC motor, ensuring consistent airflow delivery against system impedance. Constructed with a durable dual ball bearing system, the YY6025H12B offers extended operational longevity and superior structural rigidity compared to standard sleeve bearing alternatives. The design incorporates specialized glue-filled potting for enhanced water and moisture resistance, making it highly suitable for harsh operating conditions. Its aerodynamic profile minimizes turbulence while maximizing static pressure, optimizing heat dissipation in compact electronic enclosures and power conversion systems.

Model Number: YY6025H12B

Brand: SNOWFAN

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.55 A

Power Consumption: 6.60 W

Dimensions: 60x60x25mm

Bearing Type: Dual Ball Bearing

Max. Air Flow: 38.5 CFM (65.4 m³/h)

Max. Static Pressure: 0.48 inH₂O (120 Pa)

Rated Speed: 6500 RPM

Noise Level: 42.0 dBA

Protection Features: Waterproof (Glue Filled), Locked Rotor Protection

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Life Expectancy: 50,000 Hours at 40°C

Mounting Orientation: Any

Weight: 65g

The YY6025H12B is specifically calibrated for integration into high-density industrial electronics where moisture resistance and reliability are paramount. Common deployment scenarios include variable frequency drives (VFDs), solar inverters, and industrial automation control cabinets. The YY6025H12B effectively manages thermal loads in CNC machinery power supplies and telecommunications equipment, ensuring component stability during continuous operation. Its compact form factor allows for seamless installation in server racks and compact instrumentation panels requiring forced air convection.

Supplemental Images

