

YBD4015B24 YCCFAN 24VDC 40x40x15mm 3-Wire Blower Fan Datasheet



Brand: YCCFAN

SKU: [995976230217](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ybd4015b24-yccfan-24vdc-40x40x15mm-3-wire-blower-fan>

Product Description

The YCCFAN YBD4015B24 is a precision-engineered DC Blower Fan designed for high-density thermal management applications requiring concentrated airflow. Utilizing advanced brushless DC motor technology, this unit ensures consistent torque delivery and minimized electromagnetic interference, essential for sensitive electronic environments. The architecture features a robust dual ball bearing system, significantly enhancing longevity and reducing frictional coefficients under continuous high-speed operation. Its aerodynamic centrifugal impeller design is optimized to maximize static pressure while maintaining manageable noise levels, effectively overcoming high thermal impedance in restricted enclosures. Constructed with high-grade thermoplastic materials for structural rigidity, the YBD4015B24 delivers reliable cooling performance, making it an integral component for maintaining optimal operating temperatures in critical industrial assemblies.

Model Number: YBD4015B24

Brand: YCCFAN

Product Type: DC Brushless Blower

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.35 A

Power Consumption: 8.40 W

Rated Speed: 8500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 4.50 CFM (7.65 m³/h / 0.12 m³/min)

Max. Static Pressure: 20.3 mmH₂O (199 Pa / 0.80 inH₂O)

Dimensions: 40 x 40 x 15 mm

Noise Level: 45.0 dBA

Termination: 3-Wire Leads

Speed Control: Tachometer Output

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 50,000 Hours at 40°C

Mounting Orientation: Any

The YBD4015B24 is specifically engineered for compact industrial and IT environments where directed airflow is critical for system stability. Common deployment scenarios include rack-mounted server cooling modules and telecommunications equipment where high static pressure is required to force air through dense heatsinks or restricted ducts. Additionally, the YBD4015B24 is frequently utilized in industrial control units, CNC machinery electronics, and precision medical devices such as humidifiers, ensuring reliable thermal regulation in space-constrained chassis.

Supplemental Images

