BF8030H12D COOLCOX 12VDC 80x80x30mm Projector Blower Datasheet

Brand: COOLCOX

SKU: 1017132633568

Category: Axial & Centrifugal Fans

Price: **$8.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/bf8030h12d-coolcox-12vdc-80x80x30mm-projector-blower

Product Description

The COOLCOX BF8030H12D is a specialized Centrifugal Blower engineered for high-static pressure applications requiring efficient thermal management in restricted spaces. Utilizing a robust DC brushless motor architecture, this unit integrates a precision Dual Ball Bearing system to ensure long-term operational stability, reduced frictional wear, and extended service life under continuous operation. The aerodynamic design of the impeller optimizes airflow delivery while maintaining structural rigidity under thermal stress. Designed to minimize thermal impedance in compact enclosures, the BF8030H12D provides reliable cooling performance, making it an essential component for maintaining optimal operating temperatures in sensitive electronic equipment and optical projection systems.

Model Number: BF8030H12D
Brand: COOLCOX
Product Type: Centrifugal Blower Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.45 A
Input Power: 5.40 W
Rated Speed: 4200 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 18.5 CFM (31.43 m^3/h / 0.52 m^3/min)
Max. Static Pressure: 14.5 mmH_2O (142.2 Pa / 0.57 inH_2O)
Dimensions: 80 x 80 x 30 mm
Noise Level: 43.5 dBA
Housing Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Termination: 2-Wire Lead (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 50,000 Hours at 40°C
Weight: 85 g
Ingress Protection: IP40
Motor Protection: Impedance Protected; Reverse Polarity Protection

The COOLCOX BF8030H12D is primarily deployed in precision optical equipment such as high-lumen projectors where concentrated airflow is critical for lamp and chipset cooling. Beyond projection systems, the BF8030H12D serves effectively in compact server racks, industrial automation control panels, and 3D printing extruders requiring directed static pressure to prevent overheating. Its form factor allows for seamless integration into restricted spaces within medical diagnostic devices and telecommunications hardware, ensuring critical components remain within safe thermal limits.

Supplemental Images