

CC8038H12D COOLCOX 12VDC 80x80x38mm PWM Control Axial Fan Datasheet



Brand: COOLCOX

SKU: [903852277317](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/cc8038h12d-coolcox-12vdc-80x80x38mm-pwm-control-axial-fan>

Product Description

The COOLCOX CC8038H12D is a high-performance DC Axial Fan engineered for critical thermal management applications requiring substantial airflow and static pressure. Built upon a robust Dual Ball Bearing architecture, this unit ensures exceptional rotational stability and reduced friction, significantly extending operational service life under continuous load. The motor assembly utilizes advanced electromagnetic design to deliver high torque at 6000 RPM while maintaining thermal efficiency. Its aerodynamic impeller is constructed to minimize turbulence and lower thermal impedance, making it an ideal solution for high-density electronic enclosures where structural rigidity and consistent cooling performance are mandatory.

Model Number: CC8038H12D

Brand: COOLCOX

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.30 A

Power: 15.60 W

Rated Speed: 6000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 98.50 CFM (167.35 m³/h / 2.79 m³/min)

Max. Static Pressure: 0.88 inH₂O (22.35 mmH₂O / 219.1 Pa)

Dimensions: 80 x 80 x 38 mm

Weight: 175 g

Life Expectancy: 70,000 Hours @ 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (RPM Sensor)

Wire Configuration: 4-Wire

Termination: Lead Wires

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Locked Rotor Protection, Auto-Restart, Reverse Polarity

The CC8038H12D is specifically designed for integration into demanding industrial and computing environments, such as high-reliability server racks and telecommunications chassis. Its high static pressure profile makes the CC8038H12D particularly effective for CPU cooling modifications and forcing air through dense heatsinks or restricted spaces in CNC machinery and power supply units.

Supplemental Images

