

EC8010H12EA EVERCOOL 12VDC 80x80x10mm 4-Wire Axial Fan Datasheet



Brand: Evercool

SKU: 1002503358336

Category: Axial & Centrifugal Fans

Price: \$11.99

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Product Page:

<https://www.equipspares.com/product/ec8010h12ea-evercool-12vdc-80x80x10mm-4-wire-axial-fan>

Product Description

The EVERCOOL EC8010H12EA is a precision-engineered DC axial fan designed for compact thermal management solutions requiring a low profile. Utilizing advanced EL (Ever Lubricate) bearing architecture, this unit minimizes frictional coefficients while extending operational service life compared to standard sleeve bearings. The 80mm frame features a slim 10mm depth, making it ideal for space-constrained enclosures where structural rigidity and airflow efficiency are paramount. Powered by a 12VDC brushless motor, it delivers consistent aerodynamic performance. The integration of a 4-wire interface allows for precise Pulse Width Modulation (PWM) speed control, optimizing the balance between thermal impedance reduction and acoustic output in dynamic industrial environments.

Model Number: EC8010H12EA

Brand: EVERCOOL

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.26 A

Input Power: 3.12 W

Rated Speed: 3500 RPM

Max. Air Flow: 32.4 CFM (55.0 m³/h / 0.91 m³/min)

Max. Static Pressure: 2.8 mmH₂O (27.4 Pa / 0.11 inH₂O)

Noise Level: 34.0 dBA

Bearing Type: EL Bearing (Ever Lubricate)

Dimensions: 80 x 80 x 10 mm

Weight: 60 g

Termination: 4-Wire Lead

Speed Control: PWM (Pulse Width Modulation)

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

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Life Expectancy: 40,000 Hours at 25°C

Designed for high-density electronic assemblies, the EC8010H12EA is frequently deployed in 1U server chassis and compact industrial power supplies where vertical clearance is limited. The slim profile of the EC8010H12EA allows for seamless integration into small form factor (SFF) workstations, network switches, and embedded telecommunications equipment. Its precise speed control makes it suitable for medical instrumentation and automated optical inspection systems requiring stable thermal baselines.

Supplemental Images

