

EC6020M12EA Evercool 12VDC 60x60x20mm 3-Wire Axial Fan Datasheet



Brand: Evercool

SKU: [655485262944](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ec6020m12ea-evercool-12vdc-60x60x20mm-3-wire-axial-fan>

Product Description

The Evercool EC6020M12EA is a precision-engineered DC axial fan designed for optimal thermal management in compact electronic enclosures and industrial chassis. Utilizing advanced DC motor technology, this unit delivers a balanced performance profile, minimizing thermal impedance while maintaining structural rigidity under continuous operation. The aerodynamic blade geometry is calibrated to reduce turbulence and acoustic noise, making it suitable for noise-sensitive environments requiring consistent airflow. Constructed with durable housing materials, the fan ensures reliable heat dissipation from critical components. Its 3-wire configuration supports speed monitoring via a tachometer signal, allowing for integration into intelligent thermal control systems that require real-time feedback mechanisms for system stability and efficiency.

Model Number: EC6020M12EA

Brand: Evercool

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.17 A

Power Input: 2.04 W

Rated Speed: 4000 RPM \pm 10%

Bearing Type: EL Bearing (Ever Lubricate)

Max. Air Flow: 22.4 CFM (38.0 m³/h)
Max. Static Pressure: 3.2 mmH₂O (31.4 Pa)
Dimensions: 60 x 60 x 20 mm
Weight: 50 g
Noise Level: 28.0 dBA
Termination: 3-Wire (Lead Wire)
Speed Control: Tachometer Output (FG Signal)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 40,000 Hours at 25°C
Mounting Orientation: Any
Ingress Protection: IP20

The EC6020M12EA is widely utilized in compact server chassis, network switches, and industrial automation equipment where space is limited but airflow cannot be compromised. Telecommunications racks and medical instrumentation also benefit from the consistent cooling provided by the EC6020M12EA, ensuring sensitive electronics operate within safe temperature ranges. Its medium-speed profile makes it an ideal choice for desktop replacements, power supply unit cooling, and small form-factor appliances requiring active ventilation.

Supplemental Images

