

FB14025SM Everflow 12VDC 140x140x25mm PWM Axial Fan Datasheet



Brand: Everflow

SKU: [694874977001](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/fb14025sm-everflow-12vdc-140x140x25mm-pwm-axial-fan>

Product Description

The Everflow FB14025SM is a precision-engineered DC axial fan designed for thermal management in electronic enclosures requiring optimized airflow-to-noise ratios. Utilizing advanced sleeve bearing architecture, this unit minimizes mechanical friction while maintaining structural rigidity under continuous operation. The aerodynamic impeller design reduces turbulence-induced noise, ensuring efficient heat dissipation with a low thermal impedance profile. Operating at 12VDC with a current draw of 0.35A, the motor integrates Pulse Width Modulation (PWM) technology, allowing for dynamic speed regulation based on real-time thermal demands. This intelligent control mechanism enhances energy efficiency and extends the operational lifespan of the component within complex ventilation systems.

Model Number: FB14025SM

Brand: Everflow

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.35 A

Power Input: 4.2 W

Rated Speed: 1500 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 68.5 CFM (116.3 m³/h / 1.94 m³/min)

Max. Static Pressure: 1.45 mmH₂O (14.2 Pa / 0.057 inH₂O)

Dimensions: 140 x 140 x 25 mm

Weight: 165 g

Noise Level: 29.5 dBA

Speed Control: 4-Pin PWM

Termination: 4-Wire Lead with Connector

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: 30,000 Hours at 25°C

Mounting Orientation: Vertical or Horizontal

This cooling solution is specifically engineered for high-density computing environments and industrial chassis ventilation. The FB14025SM is frequently deployed in server rack enclosures and workstation towers where maintaining low acoustic signatures is critical alongside thermal performance. Additionally, the FB14025SM serves as an effective component in telecommunications cabinets and custom PC modifications, providing reliable airflow to dissipate heat from sensitive semiconductors and power supply units.

Supplemental Images

