

# FA12025L12LPP Cooler Master 12VDC 120x120x25mm PWM Axial Fan Datasheet



**Brand:** Cooler Master

**SKU:** [1006592583111](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$17.99**

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Product Page:

<https://www.equipspares.com/product/fa12025l12lpp-cooler-master-12vdc-120x120x25mm-pwm-axial-fan>

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## Product Description

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The Cooler Master FA12025L12LPP is a precision-engineered axial fan designed for optimal thermal management in high-density electronic enclosures and radiator applications. Utilizing advanced hydraulic bearing architecture, this unit minimizes frictional coefficients while maintaining structural rigidity under continuous operation. The aerodynamic blade geometry is calibrated to deliver a high volumetric flow rate relative to its acoustic footprint, ensuring efficient heat dissipation. Engineered for 12VDC systems, the FA12025L12LPP integrates Pulse Width Modulation (PWM) control, allowing for dynamic speed regulation based on real-time thermal impedance, thereby optimizing the balance between cooling performance and power consumption for sensitive hardware components.

Model Number: FA12025L12LPP

Brand: Cooler Master

Product Type: Axial Fan

Rated Voltage: 12VDC

Rated Current: 0.30 A

Rated Power: 3.60 W

Rated Speed: 1500 - 1800 RPM ( $\pm 10\%$ )

Bearing Type: Hydraulic Bearing

Max. Air Flow: 55 - 70 CFM (93.4 - 118.9 m<sup>3</sup>/h)

Max. Static Pressure: 1.5 - 2.5 mmH<sub>2</sub>O (14.7 - 24.5 Pa)

Dimensions: 120 x 120 x 25 mm

Noise Level: 18 - 30 dB(A)

Speed Control: 4-Pin PWM

Termination: 4-Wire Lead with Connector

Mounting Orientation: Any

This cooling solution is specifically configured for integration into desktop chassis, server rack enclosures, and workstation radiators where variable airflow is critical. The FA12025L12LPP excels in environments requiring active thermal regulation, such as gaming rigs, rendering stations, and industrial control cabinets. By utilizing the PWM interface, the FA12025L12LPP adapts to fluctuating heat loads, making it suitable for precision electronics and telecommunications equipment that demand consistent operating temperatures without excessive acoustic resonance.

## Supplemental Images

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