

# BF5015H12S COOLCOOL 12VDC 50x50x15mm 3-Wire Blower Fan Datasheet



**SKU:** [1010588647817](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$15.99**

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Product Page:

<https://www.equipspares.com/product/bf5015h12s-coolcool-12vdc-50x50x15mm-3-wire-blower-fan>

## Product Description

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The COOLCOOL BF5015H12S is a precision-engineered DC Blower Fan designed for compact thermal management solutions where static pressure is paramount. Utilizing advanced DC brushless motor technology, this unit ensures efficient airflow delivery within a confined 50mm footprint. The aerodynamic impeller design optimizes static pressure capabilities, making it suitable for high-impedance applications. Constructed with structural rigidity in mind, the fan operates with a nominal voltage of 12VDC and features a 3-wire interface for speed monitoring. Its thermal impedance characteristics are tailored for sustained operation in electronic assemblies requiring focused cooling.

Model Number: BF5015H12S

Brand: COOLCOOL

Product Type: DC Blower Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.30 A

Power: 3.6 W

Rated Speed: 5500 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 4.2 CFM (7.13 m<sup>3</sup>/h / 0.11 m<sup>3</sup>/min)

Max. Static Pressure: 15.2 mmH<sub>2</sub>O (149 Pa / 0.60 inH<sub>2</sub>O)

Dimensions: 50 x 50 x 15 mm

Weight: 28 g

Life Expectancy: 30,000 Hours at 40°C

Termination: 3-Wire Lead

Speed Control: Tachometer Signal

Noise Level: 38 dBA

Housing Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Mounting Orientation: Any

This centrifugal blower is engineered for applications requiring directed airflow and high static pressure, such as compact server racks and telecommunications equipment. The BF5015H12S is particularly effective in cooling heatsinks within laptop chassis and small form-factor PCs where space is at a premium. Additionally, the BF5015H12S serves as a critical component in 3D printer hotend cooling solutions and industrial automation control panels, ensuring thermal stability for sensitive electronic components.

## Supplemental Images

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