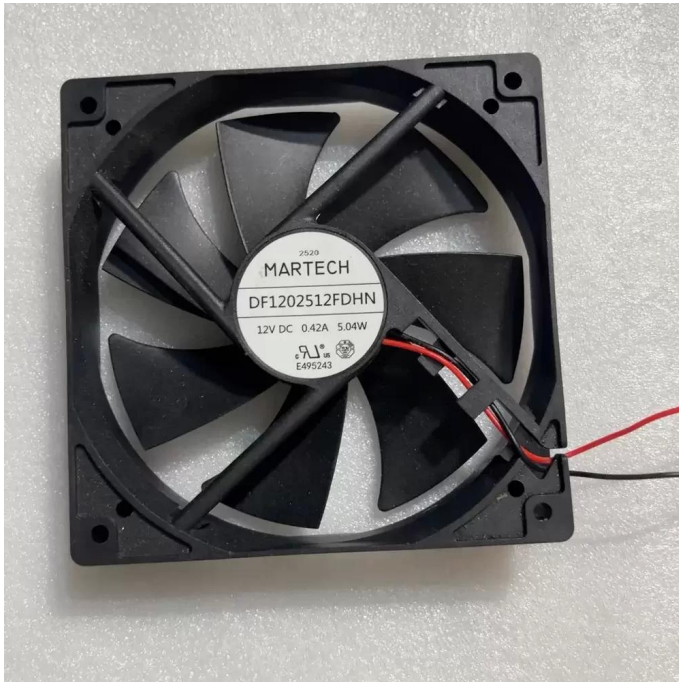


# DF1202512FDHN MARTech 12VDC 0.42A 120mm Cooling Fan Datasheet



**SKU:** [1039654970189](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$27.71**

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Product Page:

<https://www.equipspares.com/product/df1202512fdhn-martech-12vdc-0-42a-120mm-cooling-fan>

## Product Description

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MARTECH DF1202512FDHN 120 mm x 120 mm x 25 mm cooling fan operates at 12 VDC and 5.04 W, delivering up to 63 CFM of airflow and 2.1 mmH<sub>2</sub>O static pressure. The structural architecture features a high-efficiency motor housed within a compact 25 mm depth frame, utilizing a premium Fluid Dynamic Bearing (FDB) to ensure continuous operation with a maximum acoustic profile of 26.1 dBA at 2300 RPM. Interface configurations include standard Two-Wire or Four-Wire PWM connections for precise thermal regulation, while the aerodynamic blade profile minimizes turbulence to maximize kinetic energy conversion.

DF1202512FDHN Specifications

Model Number: DF1202512FDHN

Brand: MARTECH

Product Category: DC Brushless Cooling Fan

Dimensions: 120 mm x 120 mm x 25 mm

Nominal Voltage: 12 VDC

Operating Voltage Range: 5 VDC to 12 VDC

Nominal Current: 0.42 A

Power Consumption: 5.04 W

Maximum Speed: 2300 RPM

Maximum Airflow: 63 CFM

Static Pressure: 2.1 mmH<sub>2</sub>O

Acoustic Noise Level: 26.1 dBA

Bearing Type: Fluid Dynamic Bearing (FDB)

Interface: Two-Wire / Four-Wire PWM

Motor Design: High-efficiency DC Brushless

#### DF1202512FDHN Applications

Primary applications include integration into high-wattage ATX 3.0 power supply units (PSUs) such as the MSI MAG A850GL and XPG KYBER 750, providing direct active cooling for internal transformers and high-voltage capacitors. Deployed within industrial chassis, cryptocurrency ASIC miners, and dense server racks, the fan ensures continuous thermal dissipation for critical microprocessors and power delivery components operating under heavy continuous loads.

## Supplemental Images

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