

MB40201VX-000C-F99 Sunon 12V 1.38W 40mm 4020 DC Axial Fan

SKU: MB40201VX-000C-F99

Price: \$9.99

Categories: Fans

Tags: SUNON

Product Link:

<https://www.electspares.com/product/mb40201vx-000c-f99-sunon-12v-1-38w-40mm-4020-dc-axial-fan/>

Product Description

The Sunon MB40201VX-000C-F99 is a high-speed compact 12V DC Axial Fan with dimensions of 40 x 40 x 20 mm, engineered for precision cooling in space-constrained electronic environments such as 1U server modules and networking equipment. Operating at a nominal 12 VDC, this specialized variant runs at a rated speed of 8200 RPM, delivering an airflow of 10.8 CFM (18.4 m³/h) with a power consumption of 1.38 W and a current draw of 0.115 A. The fan features a high-efficiency 5-blade impeller and a 2-wire interface for simplified power connection in standard cooling setups. Utilizing Sunon's high-reliability Vapo Bearing system and weighing 30.84 g, the MB40201VX-000C-F99 provides a high static pressure of 0.270 inH₂O (67.2 Pa) and quiet operation at 27.5 dB(A), making it an ideal solution for high-impedance industrial and computing applications where consistent heat extraction is vital.

MB40201VX-000C-F99 Fan Parameters

Manufacturer: Sunon

Model Number: MB40201VX-000C-F99

Motor Design: Brushless DC Motor

Type: DC Axial Fan

Nominal Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Dimensions: 40 x 40 x 20 mm

Impeller Size: 40 mm

Number of Blades: 5

Weight: 30.84 g

[Electrical Data]

Nominal Speed: 8200 RPM (±15%)

Power Consumption: 1.38 W

Current Draw: 0.115 A

Starting Voltage: 4.5 VDC

Termination: 2 Lead wires

Lead Wire Length: 300 mm \pm 10 mm

Motor Bearing: Vapo Bearing (Magnetic Levitation System)

Motor Protection: Polarity protection and locked rotor auto-restart

[Performance & Acoustics]

Max. Air Flow: 18.4 m³/h (10.8 CFM)

Max. Static Pressure: 67.2 Pa (0.270 inH₂O)

Sound Pressure Level: 27.5 dB(A)

Direction of Rotation: Counter-clockwise (looking at rotor)

Airflow Direction: Exhaust over struts

[Materials & Construction]

Housing Material: Glass-fiber reinforced plastic (PBT, UL 94V-0)

Impeller Material: Glass-fiber reinforced plastic (PBT, UL 94V-0)

Mounting Position: Any

Frame Type: Ribbed

[Reliability & Protection]

Service Life (L10 at 40 °C): 60000 h

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Insulation Resistance: 10M Ω min at 500 VDC

Dielectric Strength: 5 mA max at 500 VAC 50/60 Hz for 1 minute

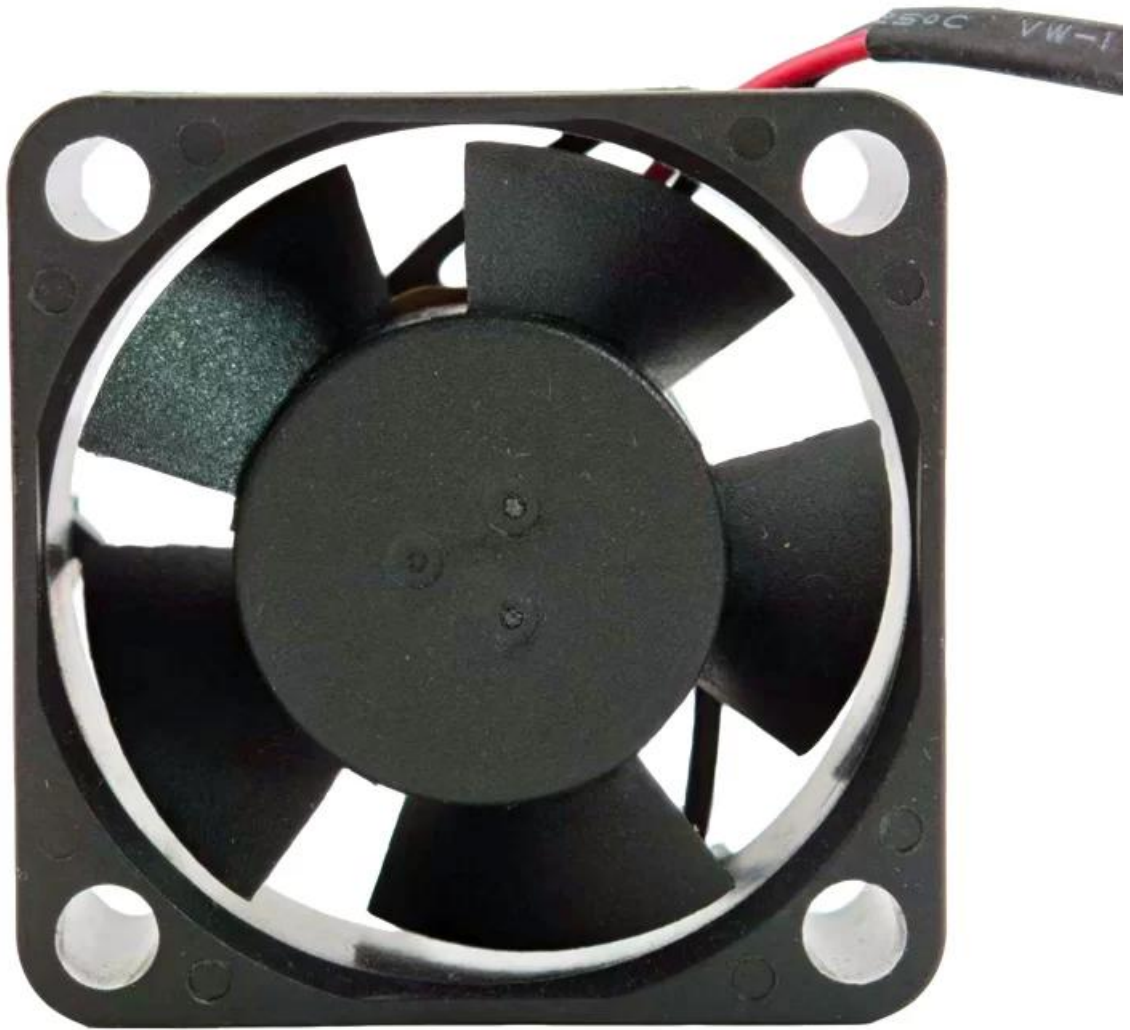
Approval: UL, CUL, TUV, CE

Application

The Sunon MB40201VX-000C-F99 is specifically engineered for high-density cooling in mission-critical 12V environments where space is limited but consistent airflow is required to maintain the stability of 1U server chassis, industrial micro-controllers, and high-performance network switches, utilizing its 20mm frame depth and 5-blade high-efficiency impeller to provide effective heat extraction while the 8200 RPM rotational speed and Vapo Bearing technology ensure friction-free operation and long-term reliability in enterprise applications where a lightweight 30.84g construction and quiet 27.5 dB(A) performance are vital for maintaining system uptime.

Product Images









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