

RS4010B12M RUNDA 12VDC 40x40x10mm Industrial Axial Fan Datasheet



Brand: Runda

SKU: [782178778925](#)

Category: Axial & Centrifugal Fans

Price: **\$7.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/rs4010b12m-runda-12vdc-40x40x10mm-industrial-axial-fan>

Product Description

The RUNDA RS4010B12M is a high-efficiency DC Axial Fan designed to provide reliable thermal regulation within compact electronic chassis and industrial enclosures. Engineered with a rated voltage of 12VDC and a current consumption of 0.09A, this component balances airflow performance with energy efficiency. The internal architecture features a precision Dual Ball Bearing system, which offers superior structural rigidity and significantly extends the mean time between failures (MTBF) compared to standard sleeve bearing designs. Its aerodynamic blade configuration is optimized to reduce air resistance and thermal impedance, ensuring consistent heat dissipation. This robust construction makes the fan suitable for continuous operation in demanding environments where component longevity and stable cooling metrics are paramount.

Model Number: RS4010B12M

Brand: RUNDA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.09 A

Power Consumption: 1.08 W

Rated Speed: 5800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 6.50 CFM (11.04 m³/h / 0.18 m³/min)

Max. Static Pressure: 2.85 mmH₂O (27.9 Pa / 0.11 inH₂O)

Dimensions: 40 x 40 x 10 mm

Weight: 18 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 25.5 dBA

Housing Material: PBT Thermoplastic (UL94V-0)

Blade Material: PBT Thermoplastic (UL94V-0)

Termination: 2-Wire Lead (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Ingress Protection: IP40

Safety Certifications: CE, UL, TUV

The RS4010B12M is widely utilized in applications requiring a compact footprint and sustained reliability, such as cooling hotend assemblies in 3D printing equipment and ventilating small-form-factor power supplies. In the telecommunications sector, the RS4010B12M serves as an essential component for thermal management in network switches, routers, and DVR security systems. Its durable ball bearing construction also makes it a preferred choice for industrial automation controllers and medical instrumentation, where the fan must operate continuously to prevent thermal throttling and ensure the longevity of sensitive electronic circuits.

Supplemental Images

