

MB1040-B Oriental Motor 100VAC Centrifugal Blower Datasheet



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Category: Axial & Centrifugal Fans

Price: **\$407.99**

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Product Page: <https://www.equipspares.com/product/mb1040-b-oriental-motor-100vac-centrifugal-blower>

Product Description

The Oriental Motor MB1040-B is a robust Centrifugal Blower engineered for high-static pressure applications requiring concentrated airflow. Utilizing an advanced AC induction motor, this unit ensures consistent torque delivery and thermal stability under continuous operation. The aerodynamic scroll housing is precision-cast to minimize turbulence and optimize velocity pressure, significantly reducing acoustic resonance. Featuring a durable ball bearing architecture, the MB1040-B maintains structural rigidity and rotational balance, ensuring a prolonged service life in demanding industrial environments where thermal impedance must be actively managed.

Model Number: MB1040-B

Brand: Oriental Motor

Product Type: Centrifugal Blower (Sirocco Fan)

Rated Voltage: 100 VAC

Frequency: 50 / 60 Hz

Phase: Single Phase

Rated Current: 0.65 A (50Hz) / 0.55 A (60Hz)

Input Power: 38 W (50Hz) / 36 W (60Hz)

Rated Speed: 2800 RPM (50Hz) / 3250 RPM (60Hz)

Max. Air Flow: 81.2 CFM (2.3 m³/min) / 95.3 CFM (2.7 m³/min)

Max. Static Pressure: 25.0 mmH₂O (245 Pa) / 35.0 mmH₂O (343 Pa)

Bearing Type: High-Precision Ball Bearing

Noise Level: 66 dB(A) / 69 dB(A)

Capacitor: Integrated / Required (Depending on wiring config)

Housing Material: Die-Cast Aluminum

Impeller Material: Galvanized Steel

Operating Temperature: -10°C to +60°C

Insulation Class: Class E

Dielectric Strength: 1500 VAC for 1 minute

Termination: Lead Wires

Mounting Orientation: Any

Weight: 1.8 kg

Life Expectancy: 50,000 Hours (at 25°C)

The MB1040-B is specifically designed for localized cooling in high-density industrial enclosures and telecommunications equipment where space is constrained but high pressure is required to overcome system resistance. Common deployments include forced air cooling for server racks, heat dissipation in variable frequency drives, and ventilation for CNC control panels. The MB1040-B excels in spot cooling applications, effectively directing airflow through ducts or heatsinks to maintain optimal operating temperatures for sensitive electronic components.

Supplemental Images

