

W2S130-BM03-01 ebm-papst 230VAC 150mm Metal Axial Fan Datasheet



Brand: ebmpapst

SKU: [854435521931](#)

Category: Axial & Centrifugal Fans

Price: **\$92.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/w2s130-bm03-01-ebm-papst-230vac-150mm-metal-axial-fan>

Product Description

The ebm-papst W2S130-BM03-01 is a robust AC Axial Fan engineered for demanding thermal management applications requiring high structural rigidity and temperature resilience. Utilizing a durable shaded pole motor architecture paired with precision maintenance-free ball bearings, this unit ensures consistent performance under elevated thermal loads. The aerodynamic profile features a five-blade sheet steel impeller housed within a die-cast aluminum frame, optimizing airflow efficiency while minimizing vibrational resonance and noise generation. Designed for longevity, the W2S130-BM03-01 maintains low thermal impedance and operational stability across a broad frequency range of 50/60Hz, making it an ideal solution for industrial environments where component reliability is paramount.

Model Number: W2S130-BM03-01

Legacy Reference: 7450ES

Brand: ebm-papst

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.31 / 0.29 A

Power Consumption: 47 / 46 W

Rated Speed: 2700 / 3250 RPM

Max. Air Flow: 191.2 / 223.6 CFM (325 / 380 m³/h)
Max. Static Pressure: 0.32 / 0.48 inH₂O (80 / 120 Pa)
Dimensions: 150 mm (Diameter) x 55 mm (Depth)
Impeller Diameter: 130 mm
Weight: 1.1 kg (2.43 lbs)
Bearing Type: Ball Bearing
Motor Type: External Rotor Shaded Pole Motor
Housing Material: Die-Cast Aluminum (Black)
Impeller Material: Sheet Steel (Coated Black)
Blade Count: 5 Metal Blades
Direction of Rotation: Counter-clockwise (viewed toward rotor)
Airflow Direction: Intake over struts
Operating Temperature: -25 °C to +80 °C
Life Expectancy (L10): 60,000 hours @ 40 °C
Insulation Class: Class B
Motor Protection: Thermal Overload Protector (TOP) wired internally
Termination: 2x Flat Plugs 2.8 x 0.5 mm
Mounting: Grounding lug M4 x 8
Compliance: CE, VDE, CSA, UL

The W2S130-BM03-01 is extensively utilized in industrial cooling systems where high temperature resistance and durability are critical. Common deployment scenarios include ventilation for welding machines, control cabinet cooling, and heat dissipation in power electronics inverters and rectifiers. The robust metal construction of the W2S130-BM03-01 allows it to operate effectively in harsh manufacturing environments, ensuring critical components remain within safe thermal operating limits during continuous duty cycles.

Supplemental Images

