

W2S130-AA03-87 ebmpapst 230V 172mm AC Axial Fan

SKU: W2S130-AA03-87

Price: \$189.49

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/w2s130-aa03-87-ebmpapst-230v-172mm-ac-axial-fan/>

Product Description

The ebmpapst W2S130-AA03-87 is a high-performance 1~ AC Axial Fan featuring a robust die-cast aluminum housing with dimensions of 172 x 150 x 55 mm. Operating at a nominal 230 VAC (50/60 Hz), this unit is powered by the M2S052-CA motor and utilizes a 7-blade impeller made of black-painted sheet steel. At 50 Hz, it achieves a rated speed of 2800 RPM with 45 W power consumption, while at 60 Hz it reaches 3250 RPM at 39 W. A key technical feature of this model is the integrated Hall IC for speed monitoring, providing critical feedback for system diagnostics. Designed for S1 continuous duty, the fan is equipped with maintenance-free ball bearings and an internally connected thermal overload protector. With an IP20 rating and "V" airflow direction (exhaust over struts), the W2S130-AA03-87 is an ideal cooling solution for medical equipment, industrial cabinets, and precision electronics.

W2S130-AA03-87 Fan Parameters

Manufacturer: ebmpapst

Model Number: W2S130-AA03-87

Motor Model: M2S052-CA

Type: AC Axial Fan

Phase: 1~

Number of Blades: 7

Nominal Voltage: 230 VAC

Frequency: 50 / 60 Hz

Dimensions: 172 x 150 x 55 mm

Impeller Size: 130 mm

Weight: 1.05 kg

[Electrical Data]

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

Power Consumption (50/60Hz): 45 / 39 W

Current Draw (50/60Hz): 0.31 / 0.25 A

Starting Current: 0.45 / 0.40 A

Speed Monitoring: Hall IC (with basic insulation)

Termination: Lead wires

Insulation Class: B

Motor Bearing: Ball Bearing

[Performance & Acoustics]

Max. Air Flow: 325 / 380 m³/h (191.3 / 223.7 CFM)

Max. Back Pressure: 80 / 120 Pa (0.32 / 0.48 inAq)

Touch Current: < 0.75 mA (IEC 60990)

Degree of Protection: IP20

Sound Pressure Level: 49 / 53 dB(A)

[Materials & Construction]

Fan Housing Material: Die-cast aluminum, painted black

Blade Material: Sheet steel, painted black

Rotor Surface: Rotor open, painted black

Airflow Direction: "V" (Exhaust over struts)

Direction of Rotation: Counterclockwise, viewed toward rotor

Installation Position: Any

Condensation Drainage: None, open rotor

Mode: S1 (Continuous operation)

[Reliability & Protection]

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: 50 °C (50Hz) / 70 °C (60Hz)

Max. Storage Temperature: +80 °C

Min. Storage Temperature: -40 °C

Motor Protection: Thermal overload protector (TOP) internally connected

Protection Class: I (Requires protective earth connection)

Conformity: EN 60335-1; CE

Approval: CCC; CSA C22.2 No. 113; EAC; UL 507

Application

The ebmpapst W2S130-AA03-87 axial fan is a premier thermal management solution for high-reliability environments such as laboratory instruments, telecommunications enclosures, and industrial control systems. Its full-metal housing and steel blades provide excellent durability and heat dissipation, while the integrated Hall IC speed sensor allows for real-time monitoring of cooling performance to prevent system overheating. The "V" airflow direction effectively exhausts hot air away from sensitive components. With a wide operating temperature range (up to 70°C at 60Hz) and dual ball bearing construction, this 130 mm fan ensures stable, long-term

operation in mission-critical applications where failure is not an option.

Product Images







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