

W2S130-BM15-01 ebmpapst 115V 47W 172mm AC Axial Fan

SKU: W2S130-BM15-01

Price: \$186.24

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/w2s130-bm15-01-ebmpapst-115v-47w-172mm-ac-axial-fan/>

Product Description

The ebmpapst W2S130-BM15-01 is a high-performance 115 V industrial AC axial fan with dimensions of 172 x 150 x 55 mm and an impeller size of 130 mm, purpose-built to deliver elite-level thermal cooling in high-resistance airflow paths. This unit features a heavy-duty M2S052-CA external rotor motor capable of sustaining a 47 W power input (at 50 Hz) or 46 W (at 60 Hz) to drive its specialized 5-blade black-painted sheet steel impeller at speeds of 2700 RPM or 3050 RPM respectively. Engineered specifically for air displacement in server racks and high-density control cabinets, it utilizes a 55 mm deep die-cast aluminum housing to provide balanced pressure and airflow for mission-critical hardware. The mechanical design relies on precision maintenance-free ball bearings and a black-painted rotor to ensure reliable continuous operation across an ambient temperature range of -25 °C to 70 °C. Featuring a robust electrical interface with internal thermal overload protection and multiple international approvals, this fan is a critical component for power supply cooling, telecommunications equipment, and industrial automation where long-term reliability and high aerodynamic efficiency are mandatory.

W2S130-BM15-01 Fan Parameters

Manufacturer: ebmpapst

Model Number: W2S130-BM15-01

Motor Model: M2S052-CA

Series: 7400 ES

Fan Size: 130 mm

Dimensions: 172 x 150 x 55 mm

Type: AC Axial Fan

Bearing Type: Ball Bearing

Nominal Voltage: 115 VAC

Voltage Range: 100 - 125 VAC

Frequency: 50/60 Hz

Weight: 1100 g

[Electrical Data]

Input Power: 47 W (50 Hz) / 46 W (60 Hz)

Nominal Current: 0.63 A (50 Hz) / 0.55 A (60 Hz)

Starting Current: 0.98 A (50 Hz) / 0.83 A (60 Hz)

Nominal Speed: 2700 RPM (50 Hz) / 3050 RPM (60 Hz)

Motor Design: AC External Rotor Motor (1-Phase)

Motor Protection: Thermal overload protector (TOP) internally connected

Insulation Class: Class B

Touch Current: < 0.75 mA

Termination: Lead wires

[Performance & Acoustics]

Max. Air Flow: 226.6 CFM (385.0 m³/h / 6.42 m³/min)

Max. Static Pressure: 16.32 mmH₂O (160.0 Pa / 0.64 inAq)

Number of Blades: 5

Direction of Rotation: Counter-clockwise (Viewed toward rotor)

Airflow Direction: "A"

Mode of Operation: S1 (Continuous operation)

[Materials & Construction]

Housing Material: Die-cast aluminum, painted black

Blade Material: Sheet steel, painted black

Rotor Surface: Painted black

Installation Position: Any

Condensation Drainage: None, open rotor

Degree of Protection: IP20

[Reliability & Safety Standards]

Min. Ambient Temperature: -25 °C

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

Storage Temperature: -40 °C - 80 °C

Standard Compliance: EN 60335-1, CE

Approval Agency: UL 507, EAC, VDE, CSA C22.2 No. 113

Application

The ebmpapst W2S130-BM15-01 axial fan is used in industrial control cabinets, server rack cooling, telecommunications power supplies, laboratory equipment ventilation, and commercial welding machinery.

Product Images







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