

W1G200-EA91-45 ebmpapst 230V EC Axial Fan

SKU: W1G200-EA91-45

Price: \$148.02

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/w1g200-ea91-45-ebmpapst-230v-ec-axial-fan/>

Product Description

The ebmpapst W1G200-EA91-45 is a highly efficient 1-phase EC Axial Fan, part of the ESM series with sickled blades and an ESM wall ring, measuring 200mm. It operates on a nominal voltage of 230V AC and supports dual frequencies of 50Hz and 60Hz. At 50Hz, the fan has a power input of 28.1W, draws 0.21A of current, and achieves a speed of 2200RPM. At 60Hz, the speed is 1500RPM, with the same power input and current draw. This fan features a coated black rotor surface, sheet steel blades coated in black, and housing components made from PP-TD20 plastic. It is equipped with 5 blades and uses ball bearings for reliable operation. The fan has an IP54 type of protection and Insulation Class "B", with ambient temperature limits from -30°C to 50°C. It includes technical features like over-temperature protected motor and speed selection (max/min). The fan conforms to CE standards and holds CCC, CSA C22.2 Nr.13, UL 507, and VDE approvals.

W1G200-EA91-45 Fan Parameters

Model: W1G200-EA91-45

Motor: M1G055-BD

Manufacturer: ebmpapst

Type: EC Axial Fan - ESM (Sickled blades (S series) ESM wall ring)

Phase: 1~

Nominal Voltage: 230 V AC

Frequency: 50/60 Hz

Speed: 2200 RPM (50Hz), 1500 RPM (60Hz)

Power Input: 28.1 W

Current Draw: 0.21 A

Type of data definition: me

Leakage Current: <= 0.25 mA

Dimensions: 200 mm (Size)

Operation Mode: S1

Direction of Rotation: "V"

Mounting Position: Shaft horizontal or rotor on bottom; rotor on top on request

EMC Harmonics: Acc. to EN 61000-3-2/3

EMC Interference Emission: Acc. to EN 61000-6-3 (household environment)

EMC Interference Immunity: Acc. to EN 61000-6-2 (industrial environment)

Insulation Class: "B"

Cable Exit: Lateral

Condensate Discharge Holes: Rotor-side

Bearing Motor: Ball bearing

Mass: 0.98 kg

Material of Electronics Housing: PP-TD20 plastic

Material of Blades: Sheet steel, coated in black

Material of Wall Ring: PP-TD20 plastic

Surface of Rotor: Coated in black

Number of Blades: 5

Type of Protection: IP54

Protection Class: II

Technical Features: - Over-temperature protected motor; - Speed selection max/min

Max. Permissible Ambient Motor Temp. (transp./storage): +80 °C

Min. Permissible Ambient Motor Temp. (transp./storage): -40 °C

Approval: CCC; CSA C22.2 Nr.13; UL 507; VDE

Product Conforming to Standard: CE

Min. Ambient Temperature: -30 °C

Max. Ambient Temperature: 50 °C

Weight: 0.98 kg

Application: Suitable for applications requiring efficient air circulation and precise control, such as ventilation systems, heat pumps, air conditioning units, and electronic cooling.

Product Images







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