

W2E142-BB05-01 ebmpapst 115V AC Centrifugal Fan

SKU: W2E142-BB05-01

Price: \$167.76

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/w2e142-bb05-01-ebmpapst-115v-ac-centrifugal-fan/>

Product Description

The ebmpapst W2E142-BB05-01 is an AC Centrifugal Fan measuring 142mm. It operates on 115VAC and is designed for dual frequency use: at 50Hz, it draws 0.24A current, consumes 27W power, and reaches 2800RPM; at 60Hz, it draws 0.25A current, consumes 28W power, and reaches 3350RPM. This fan features 7 painted black sheet steel blades and a die-cast aluminum housing. It uses a reliable ball bearing system and has an IP22 degree of protection. Electrical hookup is via a plug, and it includes an internally connected thermal overload protector (TOP). It weighs 0.8kg and is suitable for ambient temperatures from -25°C up to 55°C (50Hz) or 65°C (60Hz). Approvals include CSA C22.2 No. 113, CCC, EAC, VDE, and UL 507, and it conforms to EN 60335-1 and CE standards.

W2E142-BB05-01 Fan Parameters

Model: W2E142-BB05-01

Manufacturer: ebmpapst

Type: AC Centrifugal Fan

Motor: M2E052-BA

Phase: 1~

Nominal Voltage: 115 V AC

Frequency: 50 / 60 Hz

Speed: 2800 RPM (50 Hz) / 3350 RPM (60 Hz)

Power Consumption: 27 W (50 Hz) / 28 W (60 Hz)

Current Draw: 0.24 A (50 Hz) / 0.25 A (60 Hz)

Capacitor: 3 µF

Capacitor Voltage: 220 VDB

Capacitor Standard: S0 (CE)

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: 55 °C (50 Hz) / 65 °C (60 Hz)

Weight: 0.8 kg

Size: 142 mm

Motor Size: 52

Rotor Surface: Painted black

Impeller Material: Sheet steel, painted black

Housing Material: Die-cast aluminum, painted black

Number of Blades: 7

Airflow Direction: V

Direction of Rotation: Counterclockwise, viewed toward rotor

Degree of Protection: IP22; installation- and position-dependent

Insulation Class: "B"

Moisture (F) / Environmental (H) Protection Class: H0+

Max. Permitted Ambient Temp. for Motor (Transport/Storage): +80 °C

Min. Permitted Ambient Temp. for Motor (Transport/Storage): -40 °C

Installation Position: Any

Condensation Drainage Holes: None

Mode: S1

Motor Bearing: Ball bearing

Touch Current acc. IEC 60990: < 0.75 mA

Electrical Hookup: Plug

Motor Protection: Thermal overload protector (TOP) internally connected

Protection Class: I (with customer connection of protective earth)

Conformity with Standards: EN 60335-1; CE

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

Application: Suitable for ventilation in compact electronics enclosures, small appliances, and other applications requiring efficient air movement with moderate ingress protection.

Product Images







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