

W2E250-CE65-02 ebmpapst 230V 130W 320mm AC Axial Fan

SKU: W2E250-CE65-02

Price: \$498.97

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.elecspares.com/product/w2e250-ce65-02-ebmpapst-230v-130w-320mm-ac-axial-fan/>

Product Description

The ebmpapst W2E250-CE65-02 is a high-performance 230 V industrial AC axial fan with dimensions of 320 x 320 x 85 mm and an impeller size of 250 mm, purpose-built to deliver elite-level thermal cooling in high-resistance airflow paths. This unit features a heavy-duty M2E068-DF external rotor motor capable of sustaining a 130 W power input (at 50 Hz) or 160 W (at 60 Hz) to drive its specialized 5-blade black-painted sheet steel impeller at speeds of 2300 RPM or 2500 RPM respectively. Engineered specifically for air displacement in refrigeration systems and industrial ventilation, it utilizes a pre-galvanized sheet steel housing coated with black plastic 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 55 °C.

Featuring a robust electrical interface with internal thermal overload protection and a required 3.5 µF motor capacitor, this fan is a critical component for condenser cooling, industrial heat exchangers, and commercial ventilation where long-term reliability and high aerodynamic efficiency are mandatory.

W2E250-CE65-02 Fan Parameters

Manufacturer: ebmpapst

Model Number: W2E250-CE65-02

Motor Model: M2E068-DF

Series: AC Axial Series

Fan Size: 250 mm

Dimensions: 320 x 320 x 85 mm

Type: AC Axial Fan

Bearing Type: Ball Bearing

Nominal Voltage: 230 VAC

Voltage Range: 220 - 240 VAC

Frequency: 50/60 Hz

Weight: 2200 g

[Electrical Data]

Input Power: 130 W (50 Hz) / 160 W (60 Hz)

Nominal Current: 0.57 A (50 Hz) / 0.7 A (60 Hz)

Starting Current: 0.9 A

Nominal Speed: 2300 RPM (50 Hz) / 2500 RPM (60 Hz)

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

Motor Capacitor: 3.5 μ F / 400 VDB (S0 CE standard)

Motor Protection: Thermal overload protector (TOP) internally connected

Insulation Class: Class B

Touch Current: < 0.75 mA

Termination: Variable cable exit

[Performance & Acoustics]

Max. Air Flow: 1024.1 CFM (1740 m³/h / 29.0 m³/min)

Max. Static Pressure: 15.30 mmH₂O (150.0 Pa / 0.60 inH₂O)

Number of Blades: 5

Direction of Rotation: Clockwise (Viewed toward rotor)

Airflow Direction: "A"

Mode of Operation: S1 (Continuous operation)

[Materials & Construction]

Fan Housing Material: Sheet steel, pre-galvanized, black plastic coated

Impeller Material: Sheet steel, painted black

Guard Grille Material: Steel, phosphated, black plastic coated

Rotor Surface: Painted black

Installation Position: Shaft horizontal or rotor on bottom

Condensation Drainage: On rotor side

Degree of Protection: IP44

Environmental Protection Class: H1

[Reliability & Safety Standards]

Min. Ambient Temperature: -25 °C

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

Storage Temperature: -40 °C - 80 °C

Standard Compliance: EN 60335-1, CE

Approval Agency: EAC, CE

Application

The ebmpapst W2E250-CE65-02 axial fan is used in commercial refrigeration condensers, industrial heat exchangers, cooling for large power electronics, server room ventilation modules,

and agricultural climate control systems.

Product Images







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