

W2E250-HL06-01 ebmpapst 230VAC 280x280x80mm IP44 Axial Fan Datasheet



Brand: ebmpapst

SKU: 904372281785

Category: Axial & Centrifugal Fans

Price: **\$166.99**

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Product Page:

<https://www.equipspares.com/product/w2e250-hl06-01-ebmpapst-230vac-280x280x80mm-ip44-axial-fan>

Product Description

The ebmpapst W2E250-HL06-01 is a robust AC axial fan engineered for demanding industrial thermal management and high-static pressure applications. Utilizing the advanced M2E068-CF external rotor motor technology, this unit delivers consistent aerodynamic performance with optimized structural rigidity. The fan features a durable die-cast aluminum housing and a sheet steel impeller, ensuring mechanical stability under high thermal stress and continuous operation. Designed with precision maintenance-free ball bearings, it minimizes frictional losses while maintaining a low thermal impedance profile. The unit operates efficiently across dual frequencies (50/60Hz), providing reliable air movement for critical cooling applications requiring IP44 ingress protection and Class B insulation standards.

Model Number: W2E250-HL06-01

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Product Type: AC Axial Fan

Motor Type: M2E068-CF External Rotor

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.56 A (50Hz) / 0.83 A (60Hz)

Power Consumption: 127 W (50Hz) / 195 W (60Hz)

Rated Speed: 2550 RPM (50Hz) / 2700 RPM (60Hz)

Max. Air Flow: 1097 CFM (1865 m³/h / 31.08 m³/min)
Max. Static Pressure: 11.22 mmH₂O (110 Pa / 0.44 inH₂O)
Bearing Type: Ball Bearing
Dimensions: 280 x 280 x 80 mm
Impeller Diameter: 250 mm
Weight: 2.8 kg
Housing Material: Die-Cast Aluminum
Impeller Material: Sheet Steel, Coated in Black
Ingress Protection: IP44
Insulation Class: Class B
Motor Protection: Thermal Overload Protector (TOP)
Operating Temperature: -25°C to +60°C
Mounting Orientation: Any
Electrical Connection: Terminal Block
Capacitor: 4 µF / 400 VDB (Required)
Life Expectancy: 40,000 Hours (at 40°C)
Compliance: CE, CCC, VDE

This high-capacity cooling solution is widely utilized in industrial automation and power electronics sectors. The W2E250-HL06-01 is frequently integrated into large-scale control cabinets, variable frequency drive (VFD) cooling systems, and photovoltaic inverters where efficient heat dissipation is critical. Additionally, the W2E250-HL06-01 serves as a primary ventilation component in welding machines, transformer cooling arrays, and server room air handling units, ensuring operational stability in continuous-duty environments.

Supplemental Images

