

D4E146-AA07-25 ebm-papst 230VAC 146mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: 987957050091

Category: Axial & Centrifugal Fans

Price: \$299.99

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Product Page:

<https://www.equipspares.com/product/d4e146-aa07-25-ebm-papst-230vac-146mm-centrifugal-fan>

Product Description

The ebm-papst D4E146-AA07-25 is a robust AC centrifugal fan designed for high-pressure air movement in industrial environments. Engineered with a forward-curved impeller housed within a galvanized sheet steel scroll, this unit optimizes aerodynamic efficiency while minimizing acoustic resonance. The system is driven by the M4E068-EC single-phase AC motor, featuring maintenance-free ball bearings that ensure long-term reliability and reduced thermal impedance under continuous operation. Its structural rigidity allows for stable mounting in demanding HVAC and cooling applications. With integrated thermal overload protection and an IP44 ingress rating, the D4E146-AA07-25 delivers consistent performance, balancing airflow dynamics with energy efficiency for critical thermal management systems.

Model Number: D4E146-AA07-25

Brand: ebm-papst

Product Type: AC Centrifugal Fan (Double Inlet)

Motor Type: M4E068-EC

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.46 A (50Hz) / 0.51 A (60Hz)

Power Consumption: 105 W (50Hz) / 115 W (60Hz)

Rated Speed: 1050 RPM (50Hz) / 1000 RPM (60Hz)

Max. Air Flow: 409 CFM (695 m³/h)

Max. Static Pressure: 0.64 inH₂O (160 Pa)

Capacitor: 3 μF / 400 VDB

Impeller Diameter: 146 mm

Housing Material: Galvanized Sheet Steel

Impeller Material: Galvanized Sheet Steel

Bearing Type: Ball Bearing

Direction of Rotation: Clockwise (seen on rotor)

Ingress Protection: IP44

Insulation Class: B

Motor Protection: Thermal Overload Protector (TOP) wired internally

Operating Temperature: -25 °C to +55 °C

Mounting Orientation: Any

Weight: 3.5 kg

Compliance: CE

The D4E146-AA07-25 is engineered for applications requiring reliable high-pressure airflow in restricted spaces. Common deployments include industrial ventilation systems, clean room technology, and cabinet cooling where overcoming static pressure is essential. This centrifugal blower is also frequently utilized in heat exchangers and dehumidification units due to its durable steel construction. By integrating the D4E146-AA07-25 into HVAC air handling units and specialized machinery cooling circuits, operators ensure consistent thermal regulation and equipment longevity in challenging operational environments.

Supplemental Images

