

D2E146-HS97-03 ebmpapst 230V 146mm AC Centrifugal Blower

SKU: D2E146-HS97-03

Price: \$357.26

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d2e146-hs97-03-ebmpapst-230v-146mm-ac-centrifugal-blower/>

Product Description

The ebmpapst D2E146-HS97-03 is a high-performance 230VAC single-phase AC Centrifugal Blower featuring a dual-intake design with forward-curved impellers and a flanged PP plastic housing. Driven by the M2E068-DF (Size 68) external rotor motor with maintenance-free ball bearings and an integrated 5 μ F / 400 VDB S2-class capacitor, this 146 mm impeller size blower is specifically engineered for mission-critical industrial ventilation, medical air purifiers, and household range hoods. Operating on a 230 VAC supply, it offers 4 speed levels, delivering a Power Consumption of 195 W / 215 W and a Current Draw of 0.86 A / 0.94 A at rated speeds of 1350 / 1750 RPM. Featuring a motor with vibration-damped mounting on both sides and an integrated PP terminal box for plug-and-play connectivity, it ensures superior aerodynamic efficiency, low noise emissions, and reliable continuous S1 operation in dry environments at the end.

D2E146-HS97-03 Fan Parameters

Model Number: D2E146-HS97-03

Motor Model: M2E068-DF (Size 68)

Manufacturer: ebmpapst

Type: AC Centrifugal Fan - Forward-curved, dual-intake with housing (flange)

Impeller Size: 146 mm

Dimensions: 223.2 x 218 x 199 mm

Weight: 3.0 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa / ml
Current Draw: 0.86 / 0.94 A
Power Consumption: 195 / 215 W
Rated Speed: 1350 / 1750 RPM
Max. Air Flow: 447.3 / 447.3 CFM (760.0 / 760.0 m³/h / 12.67 / 12.67 m³/min)
Min. Back Pressure: 0.00 / 15.30 mmH₂O (0.0 / 150.0 Pa / 0.00 / 0.60 inAq)
Capacitor: 5.0 μF / 400 VDB (S2 safety protection class)
Housing Material: PP plastic
Impeller Material: PP plastic
Terminal Box Material: PP plastic
Rotor Surface: Unpainted
Speed Levels: 4
Direction of Rotation: Counter-clockwise (viewed toward rotor)
Motor Suspension: Motor vibration-damped on both sides
Insulation Class: "F"
Degree of Protection: IP20
Moisture (F) / Environmental (H) Protection Class: H0 - dry environment
Touch Current: < 0.75 mA (acc. IEC 60990, Fig. 4, TN system)
Motor Protection: Thermal overload protector (TOP) internally connected
Condensation Drainage Holes: None, open rotor
Electrical Hookup: Plug; Via terminal box (capacitor integrated)
With Cable: Variable
Installation Position: Any
Mode: S1 (Continuous operation)
Protection Class: I (with customer connection of protective earth)
Max. Ambient Temperature: 45 / 40 °C
Min. Ambient Temperature: -25 °C
Max. Storage Temperature: +80 °C
Min. Storage Temperature: -40 °C
Standard Compliance: EN 60335-1; EN 60335-2-31; CE
Approval: EAC; CCC; VDE

Application

The ebmpapst D2E146-HS97-03 blower is the primary air-moving solution for household range hoods, medical filtration units, and industrial cabinet cooling requiring multi-speed 230V single-phase centrifugal airflow in a 146mm plastic configuration.

Product Images









Scan for product details:

