

D2E146-HR93-01 ebmpapst 230V 146mm AC Centrifugal Blower

SKU: D2E146-HR93-01

Price: \$215.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d2e146-hr93-01-ebmpapst-230v-146mm-ac-centrifugal-blower/>

Product Description

The ebmpapst D2E146-HR93-01 is a high-performance 230VAC single-phase AC Centrifugal Blower featuring a dual-inlet design with forward-curved impellers and a rugged PP plastic housing. Driven by the M2E068-CF external rotor motor with maintenance-free calotte bearings and a 4 μ F / 400 VDB capacitor, this 146 mm impeller size blower is specifically engineered for mission-critical ventilation systems, medical purifiers, and kitchen range hoods. Operating on a 230 VAC supply, it offers 4 speed steps, delivering a Power Input of 150 W / 165 W and a Current Draw of 0.66 A / 0.73 A at rated speeds of 1050 / 1750 RPM. Featuring a motor with anti-vibration mounting on both sides and an integrated capacitor connected via a terminal box, it ensures superior aerodynamic efficiency, quiet operation, and reliable continuous S1 service in demanding environments at the end.

D2E146-HR93-01 Fan Parameters

Model Number: D2E146-HR93-01

Motor Model: M2E068-CF

Manufacturer: ebmpapst

Type: AC Centrifugal Fan - Forward-curved, dual inlet with housing

Impeller Size: 146 mm

Dimensions: 220 x 216 x 199 mm

Weight: 2.5 kg

Bearing Type: Calotte bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa / ml

Current Draw: 0.66 / 0.73 A
Power Input: 150 / 165 W
Rated Speed: 1050 / 1750 RPM
Max. Air Flow: 373.7 / 373.7 CFM (635.0 / 635.0 m³/h / 10.58 / 10.58 m³/min)
Min. Back Pressure: 0.00 / 22.43 mmH₂O (0.0 / 220.0 Pa / 0.00 / 0.88 inAq)
Capacitor: 4.0 µF / 400 VDB (P2 / CE standard)
Housing Material: PP plastic
Impeller Material: PP plastic
Rotor Surface: Partially cast in aluminium
Number of Blades: Multi-blade (Forward-curved)
Speed Steps: 4
Direction of Rotation: Counter-clockwise (viewed toward rotor)
Motor Suspension: Motor anti-vibration mounted on both sides
Insulation Class: "F"
Degree of Protection: IP20
Humidity Class: F0
Touch Current: < 0.75 mA (acc. IEC 60990, Fig. 4, TN system)
Motor Protection: Thermal overload protector (TOP) wired internally
Electrical Leads: With plug; Via terminal box
Installation Position: Shaft horizontal
Mode: S1 (Continuous operation)
Protection Class: I (if protective earth is connected)
Max. Ambient Temperature: 50 / 50 °C
Min. Ambient Temperature: -20 °C
Max. Storage Temperature: +80 °C
Min. Storage Temperature: -40 °C
Standard Compliance: EN 60335-2-31; CE
Approval: GOST; CCC; VDE

Application

The ebmpapst D2E146-HR93-01 blower is the primary air-moving solution for medical purifiers, kitchen range hoods, and laboratory ventilation systems requiring multi-speed 230V single-phase centrifugal airflow in a 146mm plastic configuration.

Product Images









Scan for product details:

