

D4E146-LV19-14 ebmpapst 230V 146mm AC Centrifugal Fan

SKU: D4E146-LV19-14

Price: \$412.48

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d4e146-lv19-14-ebmpapst-230v-146mm-a-c-centrifugal-fan/>

Product Description

The ebmpapst D4E146-LV19-14 is a highly efficient 1-phase AC Dual Inlet Centrifugal Fan featuring a 146 mm PA plastic impeller and a robust PP plastic housing. Driven by the M4E068-CF external rotor motor with anti-vibration mounting on both sides, this unit is designed for versatile air displacement with 5 integrated speed steps. Operating at a nominal voltage of 230 VAC, it delivers a rated speed of 780 RPM (50 Hz) with a power input of 65 W, ensuring whisper-quiet and stable performance. This 2.5 kg module features an integrated terminal box with a pre-connected 2 μ F capacitor and a convenient plug system for electrical connection. With IP44 protection, Insulation Class F, and an internal thermal overload protector, the D4E146-LV19-14 provides a reliable, vibration-damped cooling solution for residential ventilation, air purifiers, and light industrial HVAC systems.

D4E146-LV19-14 Fan Parameters

Manufacturer: ebmpapst

Model Number: D4E146-LV19-14

Motor Model: M4E068-CF

Phase: 1~

Type: AC Centrifugal Fan (Dual Inlet)

Size: 146 mm

Dimensions: 203 x 216 x 272 mm

Weight: 2.5 kg

[Electrical Data - 50 Hz]

Nominal Voltage: 230 VAC

Frequency: 50 Hz

Speed: 780 RPM

Power Input: 65 W

Current Draw: 0.29 A

Motor Capacitor: 2 μ F / 400 VDB (P2 CE)

Starting Current: 0.33 A

Max. Ambient Temperature: 50 °C

[Electrical Data - 60 Hz]

Nominal Voltage: 230 VAC

Frequency: 60 Hz

Speed: 710 RPM

Power Input: 68 W

Current Draw: 0.3 A

Motor Capacitor: 2 μ F / 400 VDB (P2 CE)

Starting Current: 0.33 A

Max. Ambient Temperature: 40 °C

[Performance & Acoustics]

Air Flow: Approx. 580 m³/h (341.4 CFM)

Min. Back Pressure: 0 Pa (0 inAq)

Speed Steps: 5

Number of Blades: Multi-blade (Forward-curved)

Sound Pressure Level: Low-noise optimized

[Materials & Construction]

Housing Material: PP plastic

Impeller Material: Glass-fiber reinforced PA plastic

Terminal Box Material: PP plastic

Surface of Rotor: Uncoated

Motor Suspension: Motor mounted with anti-vibration on both sides

Direction of Rotation: Counter-clockwise, seen on rotor

Mounting Position: Any

Motor Bearing: Ball bearing

[Reliability & Protection]

Motor Protection: Thermal overload protector (TOP) wired internally

Type of Protection: IP 44 (Installation dependent)

Insulation Class: F

Humidity Class: F0

Operation Mode: S1 (Continuous duty)

Cable Exit: Axial (Via terminal box with plug)

Approval: CE, CCC, EN 60335-1

Application

The ebmpapst D4E146-LV19-14 is specifically engineered for noise-sensitive air-moving applications such as decentralized home ventilation units, laboratory fume hoods, and high-end

air filtration systems. Its 146 mm PA plastic impeller and dual-vibration-damped motor suspension significantly reduce structural resonance and mechanical noise during operation. The 5-speed step design allows for precise control of airflow, reaching up to 580 m³/h (341.4 CFM) to match specific environmental demands. Equipped with an integrated capacitor in the PP terminal box and a plug-and-play connection, this 2.5 kg centrifugal blower ensures rapid installation and long-term, maintenance-free reliability in modern 230V AC climate control infrastructures.

Product Images









Scan for product details:

