

D4E160-EG06-05 ebmpapst 230V 180W AC Centrifugal Fan

SKU: D4E160-EG06-05

Price: \$699.96

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d4e160-eg06-05-ebmpapst-230v-180w-ac-centrifugal-fan/>

Product Description

The ebmpapst D4E160-EG06-05 is a high-performance AC Centrifugal Fan with an impeller size of 160 mm and dimensions of 220 x 204 x 222 mm (including scroll housing). This dual-inlet, forward-curved fan features a robust housing and impeller made of galvanized sheet steel, specifically designed to withstand industrial duty cycles. Operating on a nominal 230 VAC (50/60 Hz), it delivers an input power of 180 W at 50 Hz and 245 W at 60 Hz, with a maximum airflow of approximately 647.4 CFM (1100 m³/h). Engineered for high-pressure air displacement, this model is a critical component for AC-based Fan Filter Units (FFU), biological safety cabinets, and air curtain systems. Equipped with maintenance-free ball bearings, an IP44 protection rating, and a net weight of 5.5 kg, it ensures long-term operational stability and efficient thermal management in cleanrooms, laboratories, and commercial HVAC applications.

D4E160-EG06-05 Fan Parameters

Manufacturer: ebmpapst

Model Number: D4E160-EG06-05

Type: AC Centrifugal Fan (Forward-curved, Dual-inlet)

Dimensions: 220 x 204 x 222 mm

Impeller Size: 160 mm

Nominal Voltage: 230 VAC

Operating Voltage Range: 195 to 265 VAC

Frequency: 50 / 60 Hz

Speed: 1300 / 1350 RPM

Power Input: 180 / 245 W

Rated Current: 0.79 / 1.07 A

Max. Airflow: 588.5 CFM (1000 m³/h) / 647.4 CFM (1100 m³/h)

Max. Static Pressure: 320 Pa (1.28 inAq)

Noise Level: 62 / 64 dB(A)

Weight: 5.5 kg

Termination: Multi-core cable (approx. 450 mm), leads stripped and tinned

Capacitance: 6.0 μ F / 400 VDB (Required for operation)

Bearing Type: Ball Bearing

Housing Material: Galvanized sheet steel

Impeller Material: Galvanized sheet steel

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Degree of Protection: IP44

Insulation Class: F

Humidity Class: F1-2

Operating Temp. Range: -25 °C to +40 °C

Safety Protections: Thermal overload protector (TOP) internally connected

Approvals: VDE, CE, CCC, EAC, CSA, UL

Application

The D4E160-EG06-05 is a high-performance solution for "AC Fan Filter Units (FFU)" and specialized air handling systems requiring high static pressure. Its dual-inlet design and forward-curved multi-vane impeller are optimized to pull large volumes of air and force it through dense HEPA or ULPA filters, making it a cornerstone for medical cleanrooms, semiconductor micro-environments, and pharmaceutical sampling booths. Beyond cleanroom technology, its robust galvanized steel construction and 5.5 kg weight ensure high durability for air curtain systems in commercial entrances, industrial kitchen exhaust hoods, and cooling galleries for power electronics. The fan supports voltage-based speed control, allowing facility managers to balance 647.4 CFM (1100 m³/h) airflow and noise levels according to specific site requirements. Its thermal protection and F-class insulation ensure safety and longevity even in continuous 24/7 operation cycles.

Product Images









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