

D4E160-DA01-22 ebmpapst 230V 160mm AC Centrifugal Fan

SKU: D4E160-DA01-22

Price: \$439.26

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d4e160-da01-22-ebmpapst-230v-160mm-ac-centrifugal-fan/>

Product Description

The ebmpapst D4E160-DA01-22 is a high-performance 230VAC single-phase AC Centrifugal Blower with a dual-inlet design and an impeller diameter of 160 mm, specifically engineered for mission-critical cooling in HVAC systems and industrial ventilation. Driven by the M4E068-DF external rotor motor with maintenance-free ball bearings, this forward-curved unit operates on a 230 VAC supply, delivering a Power Consumption of 117 W (50 Hz) / 140 W (60 Hz) and a Current Draw of 0.51 A / 0.62 A at a rated speed up to 1200 RPM. This high-performance unit is optimized for high-volume air movement, providing a Max. Air Flow of 388.46 CFM (660.0 m³/h / 11.00 m³/min) and a Max. Static Pressure of 34.67 mmH₂O (340.0 Pa / 1.36 inH₂O). Featuring a motor mounted on brackets for one-sided vibration damping and a rugged galvanized sheet steel housing, this 160 mm unit ensures superior thermal management with IP44 protection and an extended service life at the end.

D4E160-DA01-22 Fan Parameters

Model Number: D4E160-DA01-22

Motor Model: M4E068-DF

Manufacturer: ebmpapst

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

Impeller Size: 160 mm

Dimensions: 226 x 242 x 214 mm

Weight: 4.0 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa (Free air)

Current Draw: 0.51 / 0.62 A

Power Consumption: 117 / 140 W

Capacitor: 3.0 μ F / 450 VDB (S0 / CE)

Rated Speed: 1200 / 1200 RPM

Max. Air Flow: 388.46 / 453.21 CFM (660.0 / 770.0 m³/h / 11.00 / 12.83 m³/min)

Max. Static Pressure: 22.43 / 34.67 mmH₂O (220.0 / 340.0 Pa / 0.88 / 1.36 inH₂O)

Working Air Flow: 770.0 m³/h

Static Pressure Increase: 340.0 Pa

Starting Current: 0.72 / 0.72 A

Motor Suspension: Motor mounted on brackets for one-sided vibration damping

Noise Level: 59.0 / 60.0 dB(A)

Motor Protection: Thermal overload protector (TOP) internally connected

Insulation Class: "B"

Degree of Protection: IP44

Protection Class: I

Moisture (F) / Environmental (H) Class: H0 (Dry environment)

Impeller Material: Sheet steel, galvanized

Housing Material: Sheet steel, galvanized

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

Installation Position: Any

Mode: S1

Ambient Temperature (Max.): 60 / 40 °C

Min. Operating Temperature: -25 °C

Storage Temperature Range: -40 °C to 80 °C

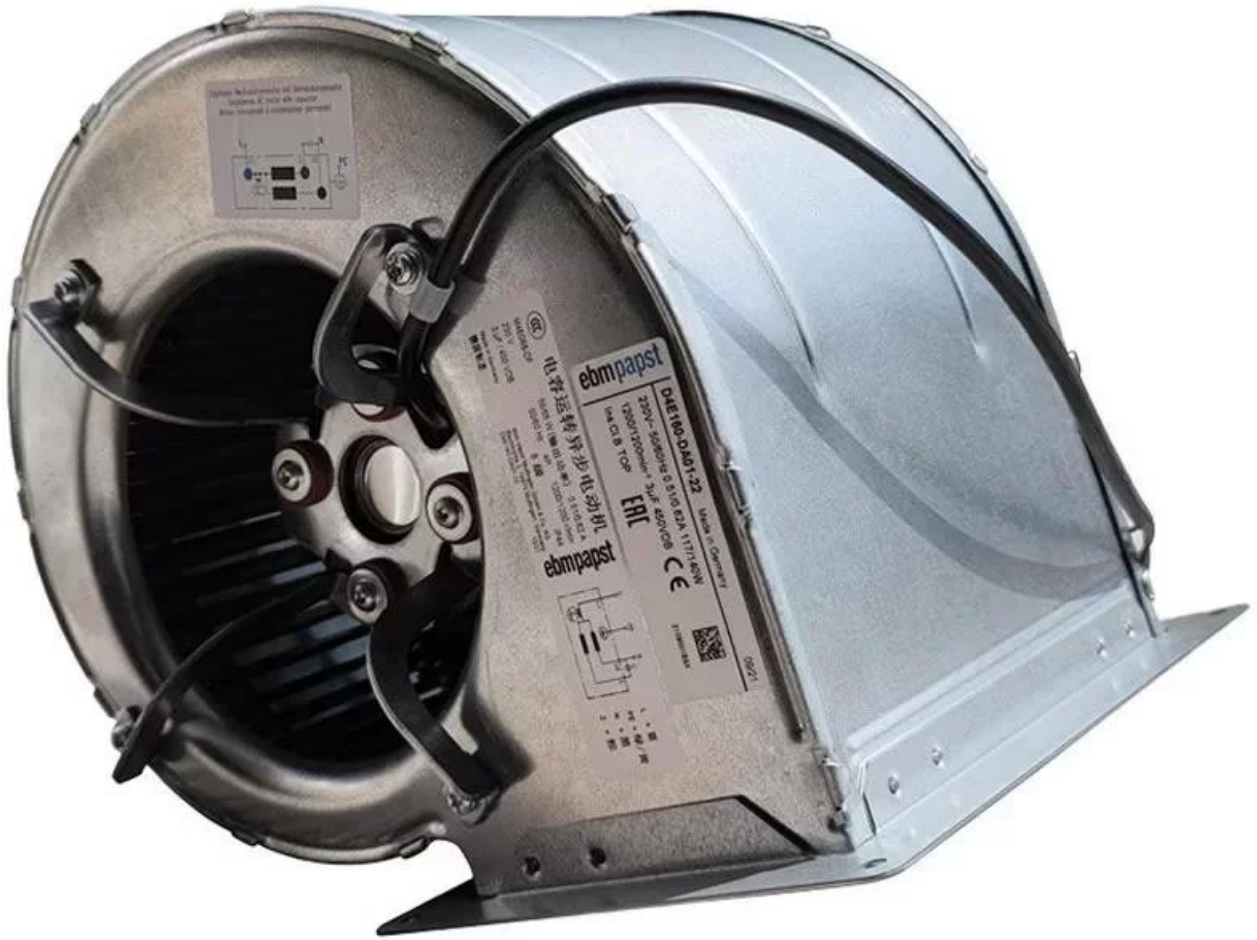
Standard Compliance: EN 60335-1; CE

Approval: CCC; EAC

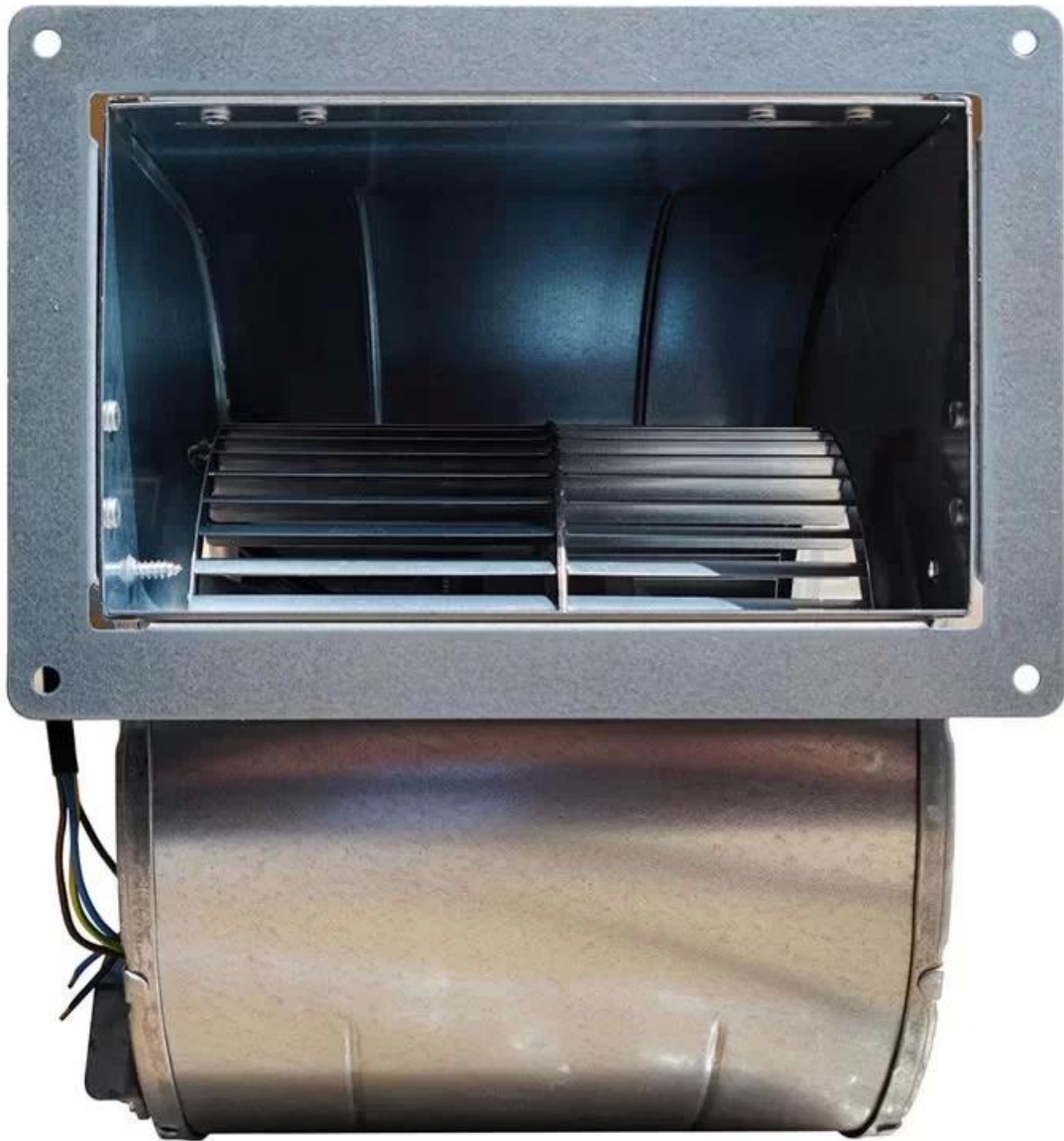
Application

The ebmpapst D4E160-DA01-22 fan is the primary cooling component for central air conditioning units, laboratory ventilation systems, and industrial enclosures requiring high-volume 230V airflow from a dual-inlet flanged blower.

Product Images









Scan for product details:

