

D4E133-AA01-44 ebmpapst 230V 133mm AC Centrifugal Fan

SKU: D4E133-AA01-44

Price: \$518.54

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d4e133-aa01-44-ebmpapst-230v-133mm-ac-centrifugal-fan/>

Product Description

The ebmpapst D4E133-AA01-44 is a high-performance 230VAC single-phase AC Centrifugal Blower with a dual-inlet design, including a housing (flange) and an impeller diameter of 133 mm. Specifically engineered for mission-critical cooling in HVAC systems and industrial ventilation, this unit features overall dimensions of 230 x 180 x 170.5 mm. Driven by the M4E068-BF external rotor motor with maintenance-free ball bearings, it operates on a 230 VAC supply, delivering a Power Consumption of 66 W (50 Hz) / 80 W (60 Hz) and a Current Draw of 0.29 A / 0.35 A at a rated speed of 1200 RPM under free air conditions. Requiring a 2.0 μ F / 400 VDB capacitor for operation, this unit features a motor mounted with brackets on one side for vibration damping and a rugged galvanized sheet steel housing. Optimized for continuous S1 environments, it ensures superior thermal management with IP44 protection and an extended service life at the end.

D4E133-AA01-44 Fan Parameters

Model Number: D4E133-AA01-44

Motor Model: M4E068-BF

Manufacturer: ebmpapst

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

Size: 133 mm

Dimensions: 230 x 180 x 170.5 mm

Weight: 2.7 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa (Free air)

Current Draw: 0.29 / 0.35 A

Power Consumption: 66 / 80 W

Capacitor: 2.0 μ F

Capacitor Voltage: 400 VDB

Rated Speed: 1170 / 1200 RPM

Max. Air Flow: 258.98 / 311.95 CFM (440.0 / 530.0 m³/h / 7.33 / 8.83 m³/min)

Max. Static Pressure: 18.36 / 26.51 mmH₂O (180.0 / 260.0 Pa / 0.72 / 1.04 inH₂O)

Motor Suspension: Motor mounted with brackets on one side

Noise Level: 54.0 / 59.0 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, hot-dip galvanized

Direction of Rotation: Clockwise, viewed toward rotor

Installation Position: Any

Mode: S1

Ambient Temperature (Max.): 55 / 55 °C

Min. Ambient Temperature: -25 °C

Max. Storage Temperature: +80 °C

Min. Storage Temperature: -40 °C

Standard Compliance: EN 60335-1; CE

Approval: UL 1004-3; CSA C22.2 No. 77

Application

The ebmpapst D4E133-AA01-44 fan is the primary cooling component for central air conditioning units, ventilation systems, and industrial enclosures requiring high-volume 230V airflow from a dual-inlet flanged blower.

Product Images









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