

# D2E133-AM31-05 ebmpapst 400V 133mm AC Centrifugal Fan

**SKU:** D2E133-AM31-05

**Price:** \$754.25

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/d2e133-am31-05-ebmpapst-400v-133mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst D2E133-AM31-05 is a high-performance 400VAC single-phase AC Centrifugal Blower with a dual-inlet design, including a housing without a flange and an impeller diameter of 133 mm. Specifically engineered for mission-critical cooling in industrial ventilation and air handling units, this unit features overall dimensions of 215 x 170.5 x 180 mm. Driven by the M2E068-DF external rotor motor with maintenance-free ball bearings, it operates on a 400 VAC supply, delivering a Power Consumption of 180 W and a Current Draw of 0.46 A at a rated speed of 1500 RPM under free air conditions. Requiring a 1.5  $\mu$ F / 700 VDB capacitor for operation, this unit features a motor mounted with brackets on one side for vibration damping and a rugged hot-dip 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.

D2E133-AM31-05 Fan Parameters

Model Number: D2E133-AM31-05

Motor Model: M2E068-DF

Manufacturer: ebmpapst

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

Size: 133 mm

Dimensions: 215 x 170.5 x 180 mm

Weight: 3.5 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC

Phase: 1~

Frequency: 50 Hz

Method of Obtaining Data: fa (Free air)

Current Draw: 0.46 A

Power Consumption: 180 W

Capacitor: 1.5  $\mu$ F

Capacitor Voltage: 700 VDB

Rated Speed: 1500 RPM

Max. Air Flow: 353.14 CFM (600.0 m<sup>3</sup>/h / 10.00 m<sup>3</sup>/min)

Max. Static Pressure: 30.59 mmH<sub>2</sub>O (300.0 Pa / 1.20 inH<sub>2</sub>O)

Motor Suspension: Motor mounted with brackets on one side for vibration damping

Noise Level: 58.0 dB(A)

Touch Current: < 0.75 mA

Insulation Class: "B"

Degree of Protection: IP44

Protection Class: I

Moisture (F) / Environmental (H) Class: F1-1

Impeller Material: Sheet steel, hot-dip galvanized

Housing Material: Sheet steel, hot-dip galvanized

Direction of Rotation: Clockwise, viewed toward rotor

Installation Position: Any

Mode: S1

Ambient Temperature (Max.): 35 °C

Min. Ambient Temperature: -25 °C

Max. Storage Temperature: +80 °C

Min. Storage Temperature: -40 °C

Standard Compliance: CE

Approval: CE

#### Application

The ebmpapst D2E133-AM31-05 fan is the primary cooling component for central air conditioning units, industrial ventilation, and power distribution cabinets requiring high-volume 400V airflow from a dual-inlet housing without a flange.

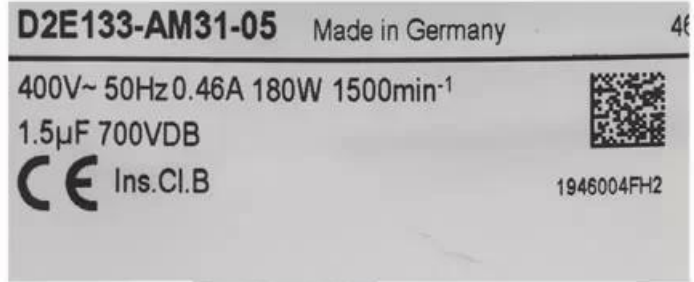
## Product Images

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