

# D4E200-CA02-02 ebmpapst 230V 200mm AC Centrifugal Fan

**SKU:** D4E200-CA02-02

**Price:** \$968.52

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/d4e200-ca02-02-ebmpapst-230v-200mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst D4E200-CA02-02 is a heavy-duty 230 V single-phase AC dual-inlet centrifugal fan featuring a 200 mm forward-curved galvanized steel impeller integrated into a robust scroll housing. Driven by the high-power M4E068-LA external rotor motor, this unit is engineered for demanding industrial ventilation, delivering significant airflow with a power consumption up to 525 W. Designed for S1 continuous operation, it features a black painted rotor, premium ball bearings, and internal thermal overload protection. This high-torque air-moving solution is optimized for high-resistance cooling environments, requiring a minimum back pressure of up to 200 Pa for safe operation, and is ideal for large-scale air conditioning and industrial ventilation systems across an ambient temperature range of -25 °C to 30 °C.

D4E200-CA02-02 Fan Parameters

Model Number: D4E200-CA02-02

Manufacturer: ebmpapst

Motor Model: M4E068-LA

Series: AC Centrifugal Series

Type: AC Centrifugal Fan (Dual-Inlet with Scroll Housing)

Impeller Size: 200 mm

Dimensions: 216 x 228 x 206 mm (Approximate housing size)

Bearing Type: Ball Bearing

Nominal Voltage: 230 VAC

Voltage Range: 220 - 240 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Weight: 11.3 kg

Power Consumption: 490 W (50 Hz) / 525 W (60 Hz)

Nominal Current: 2.15 A (50 Hz) / 2.30 A (60 Hz)

Starting Current: 3.1 A (50 Hz) / 2.9 A (60 Hz)

Speed: 1100 RPM (50 Hz) / 1250 RPM (60 Hz)

Required Capacitor: 10  $\mu$ F / 400 VDB (S2 standard)

Min. Back Pressure: 50 Pa (50 Hz) / 200 Pa (60 Hz)

Motor Design: Single-phase External Rotor Motor (PSC)

Motor Protection: Thermal overload protector (TOP) internally connected

Insulation Class: Class B

Touch Current: < 0.75 mA

Number of Blades: 42 (Forward-curved)

Direction of Rotation: Counter-clockwise, viewed toward rotor

Impeller Material: Sheet steel, galvanized

Housing Material: Sheet steel, galvanized

Rotor Surface: Painted black

Installation Position: Any

Condensate Discharge Holes: None

Degree of Protection: IP54

Moisture Protection Class: F3-1

Operating Temperature: -25 - +30 °C

Standard Compliance: EN 60335-1

Approval Agency: CCC

#### Application

The ebmpapst D4E200-CA02-02 centrifugal fan is primarily utilized in air conditioning units, cleanroom ventilation systems, laboratory equipment cooling, industrial air curtains, and electronic cabinet climate control.

## Product Images

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**D4E200-CA02-02** Made by ebm-papst

230V~ 50/60Hz 2.15/2.30A 490/525W

1100/1250min<sup>-1</sup> 10μF(S2) 400VDB

Ins.Cl.B TOP





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