

D4E180-CA02-02 ebmpapst 230V AC centrifugal fan

SKU: D4E180-CA02-02

Price: \$1,036.15

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d4e180-ca02-02-ebmpapst-230v-ac-centrifugal-fan/>

Product Description

The ebmpapst D4E180-CA02-02 is a 1-phase AC Centrifugal Fan of the forward-curved, dual-intake type with a large flange housing, measuring 180mm. It operates on 230V AC at both 50Hz and 60Hz. At 50Hz, it operates at 1250RPM with 380W power consumption and 1.68A current draw. At 60Hz, its speed is 1280RPM, with 495W power consumption and 2.16A current draw. The fan features a galvanized sheet steel impeller and housing, a painted black rotor surface, and motor vibration-damped on both sides. It comes with a 10µF capacitor (400VDB) and has a starting current of 3.3A (50Hz) or 3.1A (60Hz). It is equipped with ball bearings and features IP54 degree of protection, Insulation Class "B", and Moisture (F) / Environmental (H) protection class F3-1. Operating ambient temperature ranges from -25°C to 60°C (at 50Hz) or 35°C (at 60Hz), with transport/storage temperatures from -40°C to +80°C. Motor protection includes an internally connected thermal overload protector. It conforms to EN 60335-1 standards and holds CCC and EAC approvals.

D4E180-CA02-02 Fan Parameters

Model: D4E180-CA02-02

Motor: M4E068-LA

Manufacturer: ebmpapst

Type: AC Centrifugal Fan - forward-curved, dual-intake with housing (large flange)

Dimensions: 180 mm

Phase: 1~

Nominal Voltage: 230 V AC

Frequency: 50/60 Hz

Method of Obtaining Data: fa

Min. Back Pressure: 0 Pa

Performance at 50 Hz:

Speed: 1250 RPM

Power Consumption: 380 W

Current Draw: 1.68 A

Motor Capacitor: 10 μ F

Capacitor Voltage: 400 VDB

Capacitor Standard: S0 (CE)

Starting Current: 3.3 A

Max. Ambient Temperature: 60 °C

Performance at 60 Hz:

Speed: 1280 RPM

Power Consumption: 495 W

Current Draw: 2.16 A

Motor Capacitor: 10 μ F

Capacitor Voltage: 400 VDB

Capacitor Standard: S0 (CE)

Starting Current: 3.1 A

Max. Ambient Temperature: 35 °C

Min. Ambient Temperature: -25 °C

Weight: 10.3 kg

Rotor Surface: Painted black

Impeller Material: Sheet steel, galvanized

Housing Material: Sheet steel, galvanized

Motor Suspension: Motor vibration-damped on both sides

Direction of Rotation: Counterclockwise, viewed toward rotor

Degree of Protection: IP54

Insulation Class: "B"

Moisture (F) / Environmental (H) Protection Class: F3-1

Max. Permitted Ambient Temp. for Motor (transport/storage): +80 °C

Min. Permitted Ambient Temp. for Motor (transport/storage): -40 °C

Installation Position: Any

Condensation Drainage Holes: None

Mode: S1

Motor Bearing: Ball bearing

Touch Current According to IEC 60990 (measuring circuit Fig. 4, TN system): < 0.75 mA

Motor Protection: Thermal overload protector (TOP) internally connected

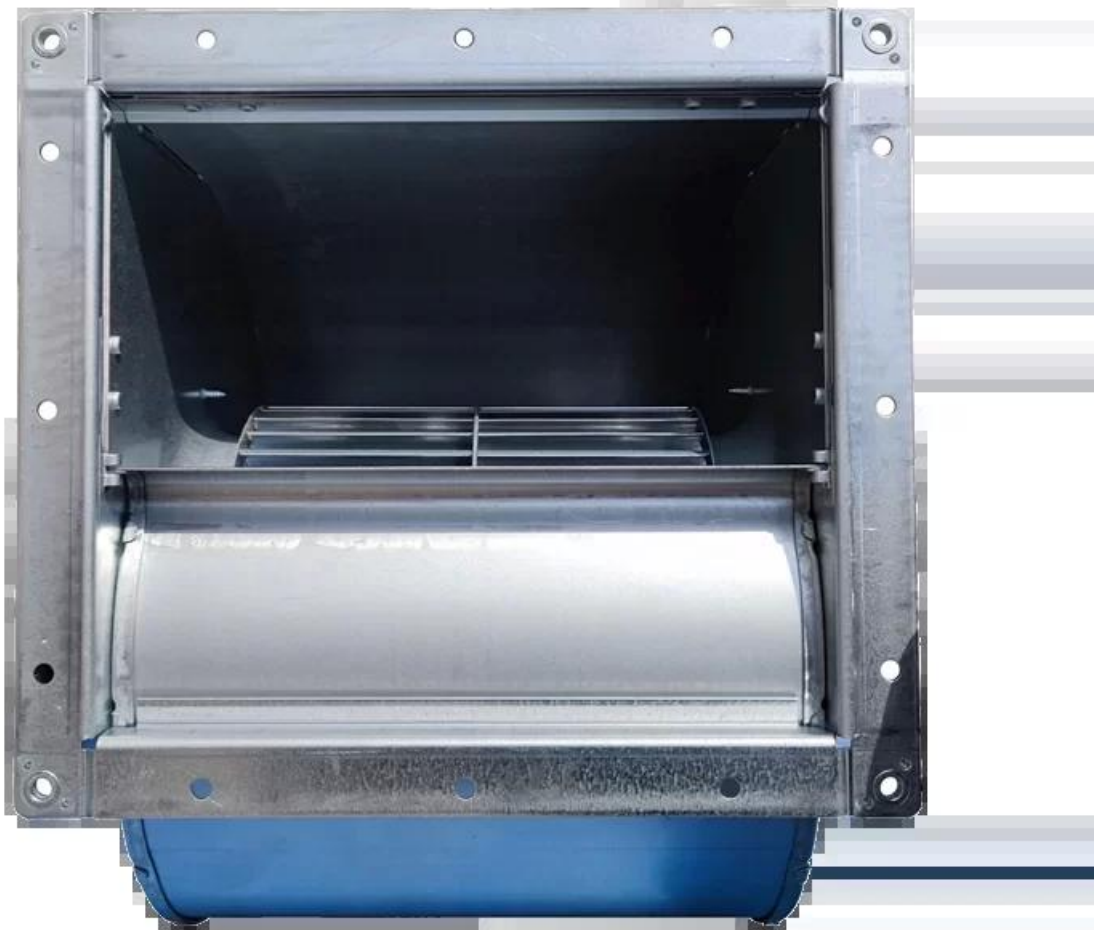
Protection Class: I (with customer connection of protective earth)

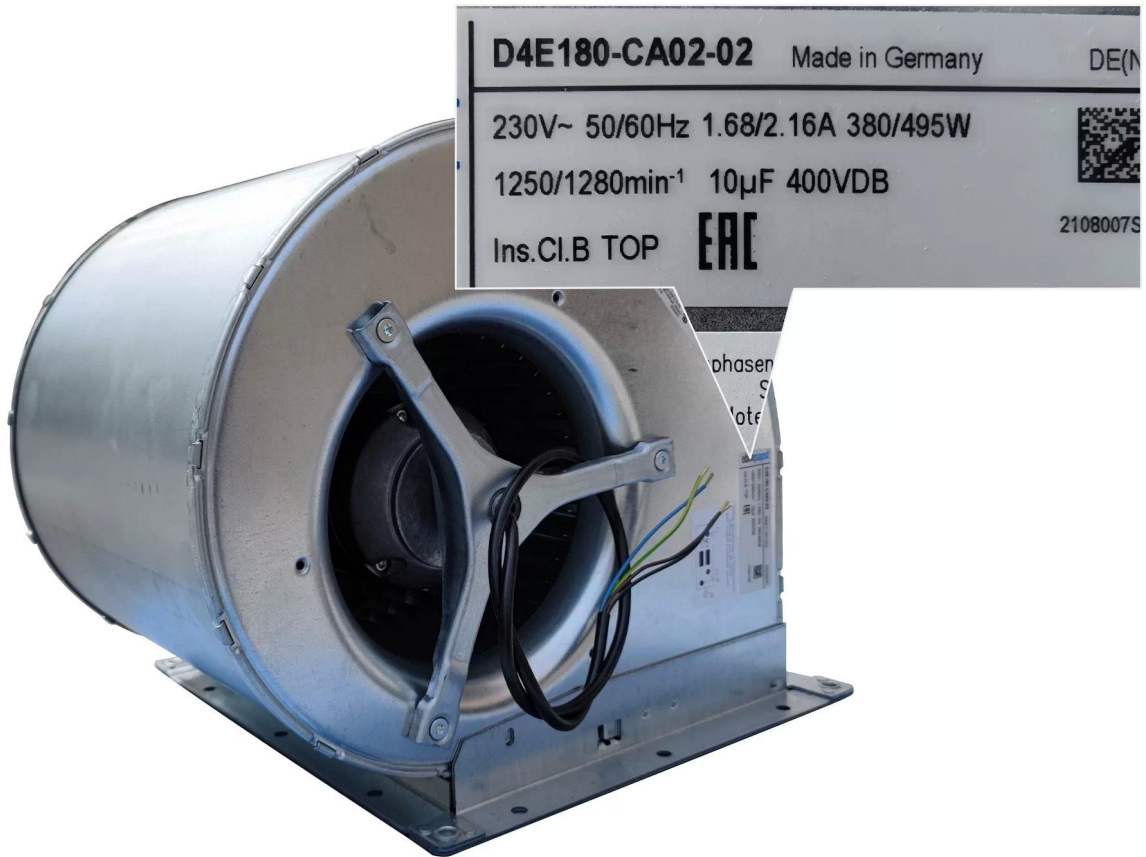
Conformity with Standards: EN 60335-1

Approval: CCC; EAC

Application: Commonly used in ventilation units, central air conditioning systems, and industrial air handling equipment where precise air movement is required.

Product Images







Scan for product details:

