

D4E180-CA02-36 ebmpapst 230V 180mm AC Centrifugal Blower

SKU: D4E180-CA02-36

Price: \$789.93

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d4e180-ca02-36-ebmpapst-230v-180mm-ac-centrifugal-blower/>

Product Description

The ebmpapst D4E180-CA02-36 is a high-performance 230VAC single-phase AC Centrifugal Blower featuring a dual-intake design with forward-curved impellers and a flanged housing (large flange). Driven by the M4E068-LA external rotor motor with maintenance-free ball bearings and a 10 μ F / 400 VDB capacitor, this 180 mm impeller size blower is specifically engineered for mission-critical HVAC systems, high-capacity industrial cooling, and commercial ventilation. Operating on a 230 VAC supply at 60 Hz, it delivers a Power Consumption of 495 W and a Current Draw of 2.15 A at a rated speed of 1300 RPM. Featuring rugged hot-dip galvanized sheet steel construction and a thermal overload protector with basic insulation, it ensures superior aerodynamic efficiency, durability, and reliable continuous S1 operation in demanding environments at the end.

D4E180-CA02-36 Fan Parameters

Model Number: D4E180-CA02-36

Motor Model: M4E068-LA (Size 68)

Manufacturer: ebmpapst

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

Impeller Size: 180 mm

Dimensions: 295 x 332 x 309 mm

Weight: 10.3 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 60 Hz

Method of Obtaining Data: fa (Free air)

Current Draw: 2.15 A
Power Consumption: 495 W
Rated Speed: 1300 RPM
Max. Air Flow: 1283.1 CFM (2180.0 m³/h / 36.33 m³/min)
Min. Back Pressure: 0.00 mmH₂O (0.0 Pa / 0.00 inAq)
Capacitor: 10.0 μF / 400 VDB
Housing Material: Sheet steel, hot-dip galvanized
Impeller Material: Sheet steel, hot-dip galvanized
Rotor Surface: Painted black
Direction of Rotation: Counter-clockwise (viewed toward rotor)
Insulation Class: "B"
Degree of Protection: IP44; installation- and position-dependent
Moisture (F) / Environmental (H) Protection Class: F3-1; H1+
Touch Current: < 0.75 mA (acc. IEC 60990, Fig. 4, TN system)
Motor Protection: Thermal overload protector (TOP) with basic insulation
Condensation Drainage Holes: None
Cable Exit: Axial
Installation Position: Any
Mode: S1 (Continuous operation)
Protection Class: I (with customer connection of protective earth)
Max. Ambient Temperature: 35 °C
Min. Ambient Temperature: -25 °C
Max. Storage Temperature: +80 °C
Min. Storage Temperature: -40 °C
Standard Compliance: EN 60335-1; CE
Approval: UL 1004-1; CSA C22.2 No. 100; CCC

Application

The ebmpapst D4E180-CA02-36 blower is the primary air-moving solution for high-capacity HVAC systems, large-scale industrial cabinet ventilation, and commercial air curtains requiring robust 230V single-phase centrifugal airflow with a flanged 180mm housing.

Product Images









Scan for product details:

