

D2E097-BE01-65 ebmpapst 230V 97mm AC Centrifugal Fan

SKU: D2E097-BE01-65

Price: \$429.83

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d2e097-be01-65-ebmpapst-230v-97mm-ac-centrifugal-fan/>

Product Description

The ebmpapst D2E097-BE01-65 is a high-performance 230VAC single-phase AC Centrifugal Blower with a dual-inlet design and an impeller diameter of 97 mm. Specifically engineered for mission-critical cooling in medical technology and laboratory equipment, this unit features overall dimensions of 180 x 162 x 165 mm. Driven by the M2E042-CA external rotor motor with maintenance-free ball bearings, it operates on a 230 VAC supply, delivering a Power Consumption of 48 W (50 Hz) / 54 W (60 Hz) and a Current Draw of 0.22 A / 0.26 A at a rated speed up to 1250 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 IP22 protection and an extended service life at the end.

D2E097-BE01-65 Fan Parameters

Model Number: D2E097-BE01-65

Motor Model: M2E042-CA

Manufacturer: ebmpapst

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

Size: 97 mm

Dimensions: 180 x 162 x 165 mm

Weight: 1.3 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa (Free air)

Current Draw: 0.22 / 0.26 A

Power Consumption: 48 / 54 W

Capacitor: 2.0 μ F

Capacitor Voltage: 400 VDB

Rated Speed: 1250 / 1200 RPM

Max. Air Flow: 111.83 / 123.60 CFM (190.0 / 210.0 m³/h / 3.17 / 3.50 m³/min)

Max. Static Pressure: 17.34 / 21.41 mmH₂O (170.0 / 210.0 Pa / 0.68 / 0.84 inH₂O)

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

Noise Level: 50.0 / 56.0 dB(A)

Touch Current: < 0.75 mA

Insulation Class: "B"

Degree of Protection: IP22

Protection Class: I

Moisture (F) / Environmental (H) protection class: H0+

Impeller Material: Sheet steel, galvanized

Housing Material: Sheet steel, galvanized

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Installation Position: Any

Mode: S1

Ambient Temperature (Max.): 55 / 50 °C

Min. Ambient Temperature: -25 °C

Max. Storage Temperature: +80 °C

Min. Storage Temperature: -40 °C

Standard Compliance: EN 60335-1; CE

Approval: EAC; CCC

Application

The ebmpapst D2E097-BE01-65 fan is the primary cooling component for laboratory equipment, laser power supplies, and medical diagnostic devices requiring compact 230V airflow from a dual-inlet blower.

Product Images









Scan for product details:

