

R2E120-BB76-11/A01 ebmpapst 230V 120mm AC Centrifugal Fan

SKU: R2E120-BB76-11/A01

Price: \$129.14

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r2e120-bb76-11-a01-ebmpapst-230v-120mm-ac-centrifugal-fan/>

Product Description

The ebmpapst R2E120-BB76-11/A01 is a high-performance AC backward-curved centrifugal fan with a nominal voltage of 230 VAC and an impeller diameter of 120 mm, specifically engineered for robust thermal management in compact industrial enclosures. Driven by a high-torque M2E052-BF external rotor motor with a power consumption of 20/19 W, this unit features a heavy-duty dual ball bearing system designed for long-term mechanical stability and continuous S1 duty. Its aerodynamic backward-curved impeller, constructed from high-quality PA plastic, delivers a powerful balance of significant airflow and stable static pressure without the need for a scroll housing. Built with a robust galvanized sheet steel base and featuring IP44 protection with Class F insulation, this 0.7 kg fan provides a dependable and durable cooling solution with thermal overload protection for industrial power supplies, server racks, and telecommunications cabinets at the end.

R2E120-BB76-11/A01 Fan Parameters

Model Number: R2E120-BB76-11/A01

Manufacturer: ebmpapst

Motor Model: M2E052-BF

Series: R2E120 Series

Type: AC Centrifugal Fan (Backward-curved)

Impeller Size: 120 mm

Dimensions: 120 x 120 x 54 mm

Weight: 0.7 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Voltage Range: 195 - 250 VAC

Frequency: 50 / 60 Hz

Power Consumption: 20 W (@ 50 Hz) / 19 W (@ 60 Hz)

Nominal Current: 0.09 A (@ 50 Hz) / 0.09 A (@ 60 Hz)

Capacitor: 1 μ F / 400 VDB

Speed: 2350 RPM (@ 50 Hz) / 2450 RPM (@ 60 Hz)

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Actual Air Flow: 153 CFM (260 m³/h) @ 50 Hz / 165 CFM (280 m³/h) @ 60 Hz

Actual Static Pressure: 1.00 inAq (250 Pa) @ 50 Hz / 1.20 inAq (300 Pa) @ 60 Hz

Sound Pressure Level: 61 dB(A) (@ 50 Hz) / 63 dB(A) (@ 60 Hz)

Motor Design: 1-phase motor (External rotor)

Motor Protection: Thermal overload protector (TOP) wired internally

Insulation Class: Class F

Electrical Hookup: 4 Lead wires (Multi-wire cable)

Number of Blades: 8

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: Radial

Impeller Material: PA plastic, glass-fiber reinforced

Housing Material: Sheet steel, galvanized

Installation Position: Any

Degree of Protection: IP44

Operating Temperature: -25 - +55 °C

Service Life (L10 @ 40 °C): 35000 h

Standard Compliance: EN 60335-1; CE

Approval Agency: VDE, UL, CSA, CCC

Application

The ebmpapst R2E120-BB76-11/A01 AC centrifugal fan is primarily utilized in electronic cabinet cooling, ventilation for power supplies, server rack extraction, and modular air filtration units.

Product Images







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