

R2E225-AT51-14 ebmpapst 230V 225mm AC Centrifugal Fan

SKU: R2E225-AT51-14

Price: \$349.41

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r2e225-at51-14-ebmpapst-230v-225mm-ac-centrifugal-fan/>

Product Description

The ebmpapst R2E225-AT51-14 is a high-performance 230VAC single-phase AC Centrifugal Fan, featuring backward-curved impellers in a compact motorized impeller design. Driven by the M2E068-DF motor with integrated thermal overload protection (TOP), this 225 mm impeller size fan is specifically engineered for slim-profile cabinet cooling, ventilation modules, and electronic equipment thermal management. Operating on a 230 VAC supply, it delivers a Power Consumption of 105 W / 145 W and a Current Draw of 0.46 A / 0.64 A at rated speeds of 2650 / 2950 RPM. Featuring a glass-fiber reinforced PA6 plastic impeller with 11 blades and a high-quality 3.0 μ F / 450 VDB capacitor system, it ensures superior aerodynamic efficiency, IP44-rated protection, and reliable continuous S1 operation in demanding environments at the end.

R2E225-AT51-14 Fan Parameters

Model Number: R2E225-AT51-14

Motor Model: M2E068-DF

Manufacturer: ebmpapst

Type: AC Centrifugal Fan - Backward-curved, single-intake, motorized impeller

Impeller Size: 225 mm

Dimensions: 225 x 70 mm

Weight: 2.34 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa (Free air)

Current Draw: 0.46 / 0.64 A

Starting Current: 1.05 / 1.04 A

Power Consumption: 105 / 145 W

Rated Speed: 2650 / 2950 RPM

Max. Air Flow: 659.2 CFM (1120.0 m³/h / 18.67 m³/min)

Max. Static Pressure: 51.01 mmH₂O (500.0 Pa / 2.01 inAq)

Capacitor: 3.0 µF / 450 VDB

Impeller Material: PA6 plastic, glass-fiber reinforced

Number of Blades: 11

Rotor Surface: Painted black

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: "B"

Degree of Protection: IP44

Moisture (F) / Environmental (H) Protection Class: H0+

Touch Current: < 0.75 mA (acc. IEC 60990, Fig. 4, TN system)

Motor Protection: Thermal overload protector (TOP) internally connected

Condensation Drainage Holes: On rotor side

Installation Position: Any

Mode: S1 (Continuous operation)

Protection Class: I (if protective earth is connected)

Max. Ambient Temperature: 55 / 55 °C

Min. Ambient Temperature: -25 °C

Standard Compliance: EN 60335-1; CE

Approval: CCC; UL 2111; CSA C22.2 No. 77

Application

The ebmpapst R2E225-AT51-14 centrifugal fan is the primary air-moving solution for slim-profile cabinet cooling, HVAC filtration units, and industrial ventilation requiring high-efficiency 230V AC airflow in a 225mm motorized impeller configuration.

Product Images



Scan for product details:

