

R2A150-AC01-16 ebmpapst 230V 150mm AC Hot Air Blower

SKU: R2A150-AC01-16

Price: \$171.42

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r2a150-ac01-16-ebmpapst-230v-150mm-ac-hot-air-blower/>

Product Description

The ebmpapst R2A150-AC01-16 is a high-performance 230 V industrial AC centrifugal blower with an impeller size of 150 mm and dimensions of 152 x 152 x 103 mm, purpose-built to deliver elite-level thermal cooling in high-resistance airflow paths. This unit features a heavy-duty single-phase motor capable of sustaining a 32 W power input to drive its specialized stainless steel impeller at a stable speed of 1800 RPM. Engineered specifically for air displacement in drying ovens and laboratory dry boxes, it utilizes a triangular mounting plate to provide balanced pressure and consistent airflow for mission-critical hardware. The mechanical design relies on precision maintenance-free ball bearings and a galvanized sheet steel frame to ensure reliable continuous operation across an ambient temperature range of -25 °C to 120 °C. Featuring a robust 2-pin flat terminal interface and Class H insulation, this blower is a critical component for sterilization cabinets, industrial heating systems, and climate chambers where long-term reliability and high-temperature resilience are mandatory.

R2A150-AC01-16 Fan Parameters

Manufacturer: ebmpapst

Model Number: R2A150-AC01-16

Motor Model: M2A068-AA

Series: AC Centrifugal Blower (Hot Air)

Impeller Size: 150 mm

Dimensions: 152 x 152 x 103 mm

Type: AC Centrifugal Blower

Bearing Type: Ball Bearing

Nominal Voltage: 230 VAC

Voltage Range: 200 - 240 VAC

Frequency: 50 Hz

Weight: 1150 g

[Electrical Data]

Input Power: 32 W

Nominal Current: 0.27 A

Nominal Speed: 1800 RPM

Required Capacitor: 1.0 μ F / 400 VDB (Typically external)

Motor Design: AC motor with shaded-pole technology

Motor Protection: Thermal overload protector (TOP) wired internally

Insulation Class: Class H

Termination: 2 Flat Pin Terminals (6.3 x 0.8 mm)

[Performance & Acoustics]

Max. Air Flow: 105.9 CFM (180.0 m³/h / 3.0 m³/min)

Max. Static Pressure: 15.30 mmH₂O (150.0 Pa / 0.60 inH₂O)

Sound Pressure Level: 58 dB(A)

Direction of Rotation: Clockwise (Viewed toward rotor)

Airflow Direction: Radial (Centrifugal)

Mode of Operation: S1 (Continuous operation)

[Materials & Construction]

Impeller Material: Stainless steel

Mounting Plate Material: Sheet steel, galvanized

Housing Design: Triangular mounting plate

Installation Position: Shaft horizontal

Degree of Protection: IP20

Environmental Protection Class: H1

[Reliability & Safety Standards]

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: 120 °C (Motor side)

Max. Permissible Temp. (Impeller): 300 °C

Storage Temperature: -40 °C - 130 °C

Life Expectancy: 30,000 hours at 40 °C

Standard Compliance: EN 60335-1, CE

Approval Agency: VDE, CCC, CE

Application

The ebmpapst R2A150-AC01-16 hot air blower is used in industrial drying ovens, laboratory dry boxes, sterilization cabinets, climate simulation chambers, and food processing equipment.

Product Images







Scan for product details:

