

# R3G146-8317076364 ebmpapst 220V 146mm EC Centrifugal Fan

**SKU:** R3G146-8317076364

**Price:** \$193.70

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r3g146-8317076364-ebmpapst-220v-146mm-ec-centrifugal-fan/>

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## Product Description

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The ebmpapst R3G146-8317076364 is a high-performance compact EC centrifugal fan with a nominal voltage of 220 VAC and an impeller size of 146 mm, specifically engineered for precision thermal management in electronic cabinets and medical ventilation systems. Driven by a powerful permanent magnet DC motor with an integrated electronic control system, this unit consumes 170 W of input power to deliver 111 W of output power at a rated speed of 2622 RPM. Its aerodynamic design with a backward-curved impeller delivers high static efficiency, making it highly effective at maintaining air circulation in high-resistance cooling environments. Constructed with a black-painted rotor surface and featuring a heavy-duty ball bearing system for continuous S1 duty, this fan provides a dependable and intelligent air-moving solution with IP44 protection and Class F insulation for telecommunications, clean room infrastructure, and industrial automation at the end.

R3G146-8317076364 Fan Parameters

Model Number: R3G146-8317076364

Manufacturer: ebmpapst

Motor Type: Permanent Magnet DC Motor (EC Technology)

Series: R Series

Type: EC Centrifugal Fan

Impeller Size: 146 mm

Weight: 1.2 kg

Bearing Type: Ball bearing

Nominal Voltage: 220 VAC (Single-phase)

Frequency: 50 / 60 Hz

Input Power: 170 W

Output Power: 111 W

Nominal Current: 1.4 A

Speed: 2622 RPM

Max. Air Flow: 62.23 CFM (105.7 m<sup>3</sup>/h / 1.76 m<sup>3</sup>/min)

Max. Static Pressure: 9.81 mmH<sub>2</sub>O (96.24 Pa / 0.39 inH<sub>2</sub>O)

Motor Protection: Locked-rotor and over-temperature protection

Insulation Class: Class F

Electrical Hookup: Lead wires

Direction of Rotation: Clockwise, viewed toward rotor

Impeller Material: PA plastic, fiberglass-reinforced

Rotor Surface: Painted black

Installation Position: Any

Degree of Protection: IP44

Operating Temperature: -25 - +60 °C

Standard Compliance: EN 60335-1; CE

Approval Agency: VDE; UL; CCC

#### Application

The ebmpapst R3G146-8317076364 EC centrifugal fan is primarily utilized in telecommunications heat dissipation, clean room fan filter units (FFU), medical diagnostic equipment, and localized electronics cooling in industrial cabinets.

## **Product Images**

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Scan for product details:

