

# R3G160-8317076570 ebmpapst 220V 160mm EC Centrifugal Fan

**SKU:** R3G160-8317076570

**Price:** \$292.84

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r3g160-8317076570-ebmpapst-220v-160mm-ec-centrifugal-fan/>

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## Product Description

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The ebmpapst R3G160-8317076570 is a high-performance industrial EC centrifugal fan with a nominal voltage of 220 VAC and an impeller size of 160 mm, specifically engineered for demanding thermal management in high-density electronic enclosures and medical ventilation systems. Driven by a robust M3G055-DF permanent magnet DC motor with an integrated electronic control system, this unit consumes 170 W of input power to deliver 108 W of output power at a rated speed of 2100 RPM. Its aerodynamic design with a backward-curved impeller delivers an exceptional static pressure of 869 Pa, making it extremely 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 2.1 kg 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.

R3G160-8317076570 Fan Parameters

Model Number: R3G160-8317076570

Manufacturer: ebmpapst

Motor Model: M3G055-DF

Motor Type: Permanent Magnet DC Motor (EC Technology)

Series: R Series

Type: EC Centrifugal Fan

Impeller Size: 160 mm

Weight: 2.1 kg

Bearing Type: Ball bearing

Nominal Voltage: 220 VAC (Single-phase)

Frequency: 50 / 60 Hz

Input Power: 170 W

Output Power: 108 W

Nominal Current: 1.7 A

Speed: 2100 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)

Actual Static Pressure: 869 Pa (Maximum static pressure)

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 - +40 °C

Storage Temperature: -40 - +80 °C

Standard Compliance: EN 60335-1; CE

Approval Agency: VDE; UL; CCC

#### Application

The ebmpapst R3G160-8317076570 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:

