

# G3G180-AD43-71 ebmpapst 230VAC EC Centrifugal Blower

**SKU:** G3G180-AD43-71

**Price:** \$1,234.20

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/g3g180-ad43-71-ebmpapst-230vac-ec-centrifugal-blower/>

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## Product Description

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The ebmpapst G3G180-AD43-71 is a high-performance 230VAC single-phase EC Centrifugal Blower, featuring forward-curved impellers within a specialized galvanized sheet steel housing without a flange. Driven by the M3G084-FA GreenTech EC motor with integrated control electronics and passive PFC, this 180 mm impeller size blower is specifically engineered for precision air handling units, control cabinet cooling, and high-efficiency ventilation systems. Operating on a nominal voltage range of 200 to 277 VAC, it delivers a Power Consumption of 510 W and a Current Draw of 3.15 A at a rated speed of 2450 RPM. Featuring a galvanized sheet steel impeller, a black-painted rotor, and a 0-10 VDC / PWM control interface, it ensures superior energy savings, IP54-rated protection, and reliable continuous S1 operation in moist or demanding environments at the end.

G3G180-AD43-71 Fan Parameters

Model Number: G3G180-AD43-71

Motor Model: M3G084-FA

Manufacturer: ebmpapst

Type: EC Centrifugal Fan - Forward-curved, single-inlet with housing (without flange)

Impeller Size: 180 mm

Dimensions: 286 x 333 x 194 mm

Weight: 6.9 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Nominal Voltage Range: 200 - 277 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: ml (Max. load)

Current Draw: 3.15 A

Power Consumption: 510 W

Rated Speed: 2450 RPM

Max. Air Flow: 447.3 CFM (760.0 m<sup>3</sup>/h / 12.67 m<sup>3</sup>/min)

Max. Static Pressure: 64.04 mmH<sub>2</sub>O (628.0 Pa / 2.52 inAq)

Min. Back Pressure: 30.59 mmH<sub>2</sub>O (300.0 Pa / 1.20 inAq)

Impeller Material: Sheet steel, galvanized

Housing Material: Sheet steel, galvanized

Electronics Housing Material: Die-cast aluminum

Rotor Surface: Painted black

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: "B"

Degree of Protection: IP54

Moisture (F) / Environmental (H) Protection Class: H1 (Moist environment)

Touch Current: <= 3.5 mA

Motor Protection: Thermal switch auto-reset (internally connected)

Technical Features: Control input 0-10 VDC / PWM; Output 10 VDC; Alarm relay; Soft start;

Passive PFC; Motor current limitation

Electrical Hookup: Variable cable

Installation Position: Any

Mode: S1 (Continuous operation)

Protection Class: I (if protective earth is connected)

Max. Ambient Temperature: 50 °C

Min. Ambient Temperature: -25 °C

Standard Compliance: EN 61800-5-1; CE

Approval: EAC; CCC; CSA C22.2 No. 77; UL 1004-3

#### Application

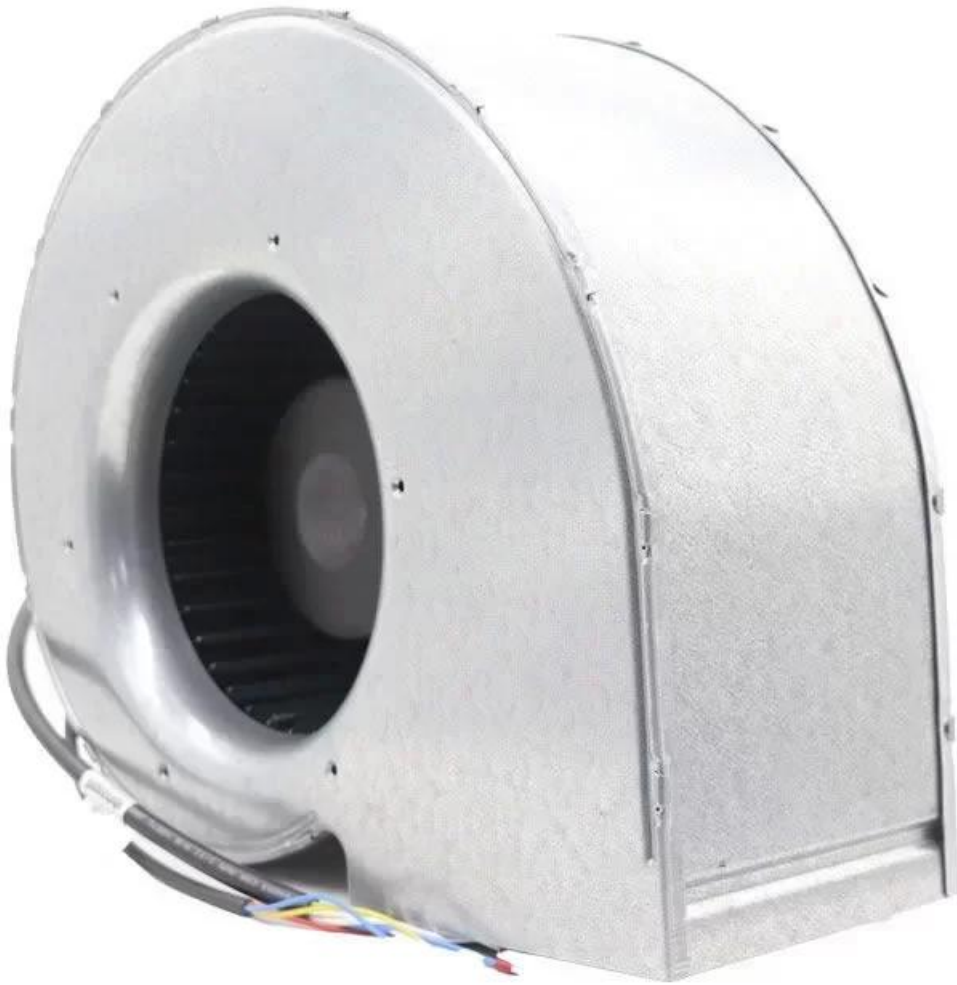
The ebmpapst G3G180-AD43-71 EC blower is the primary air-moving solution for localized extraction systems, high-efficiency AHU units, and industrial cabinet cooling requiring stable 230V EC centrifugal airflow in a 180mm non-flanged configuration.

## Product Images

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Scan for product details:

