

# W3G910-KS35-03/F01 ebmpapst 400VAC 910mm EC Axial Fan

**SKU:** W3G910-KS35-03/F01

**Price:** \$2,728.14

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/w3g910-ks35-03-f01-ebmpapst-400vac-910mm-ec-axial-fan/>

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## Product Description

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The ebmpapst W3G910-KS35-03/F01 is a high-capacity AxiBlade EC axial fan with a nominal voltage of 400 VAC and dimensions of 1070 x 1070 x 338 mm, specifically engineered for large-scale air handling units and industrial cooling towers. Driven by a high-efficiency M3G150-FF GreenTech EC external rotor motor with an optimized power consumption of 1770 W and a current draw of 2.8 A, this unit features a heavy-duty dual ball bearing system designed for long-term mechanical stability and continuous S1 duty. Its aerodynamic design with a 910 mm PP plastic impeller delivers a powerful balance of significant airflow reaching 21000 m<sup>3</sup>/h at its optimum efficiency level, making it highly effective at maintaining air circulation in industrial halls and commercial HVAC systems. Constructed with a galvanized and black plastic-coated sheet steel housing and a die-cast aluminum electronics enclosure, this 45 kg fan provides a dependable and energy-saving cooling solution with integrated Modbus-RTU interface and thermal overload protection for data centers and large-scale infrastructure at the end.

[W3G910-KS35-03/F01] Fan Parameters

Model Number: W3G910-KS35-03/F01

Manufacturer: ebmpapst

Motor Model: M3G150-FF

Series: AxiBlade Series

Type: EC Axial Fan

Impeller Size: 910 mm

Dimensions: 1070 x 1070 x 338 mm

Weight: 45 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC (3-phase)

Voltage Range: 380 - 480 VAC

Frequency: 50 / 60 Hz

Power Consumption: 1770 W

Nominal Current: 2.8 A

Speed: 850 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 Air Flow: 21000 m<sup>3</sup>/h (@ optimum efficiency)

Actual Static Pressure: 185 Pa (Max. back pressure)

Overall Efficiency ( $\eta_{es}$ ): 52.3 %

Motor Design: Brushless EC motor (External rotor)

Motor Protection: Thermal overload protection; Reverse polarity and locked-rotor protection;

Line undervoltage / phase failure detection

Technical Features: MODBUS V6.3 (RS-485 MODBUS-RTU); Integrated PI controller; Soft start;

External 15-50 VDC input; Alarm relay; Operation/Alarm LED; Configurable I/O

Insulation Class: Class F

Electrical Hookup: Terminal box

Number of Blades: 5

Blade Pitch: 0°

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: V (Exhaust over struts)

Impeller Material: PP plastic

Housing Material: Sheet steel, galvanized and plastic-coated (RAL 9005)

Electronics Housing: Die-cast aluminum, painted gray

Guard Grille Material: Steel, plastic-coated (RAL 9005)

Installation Position: Shaft horizontal or rotor on bottom

Degree of Protection: IP55

Environmental Protection: H2 (Moisture protection)

Operating Temperature: -40 - +60 °C

Storage Temperature: -40 - +80 °C

Standard Compliance: EN 61800-5-1; CE; EN 61000-6-2/3

Approval Agency: CSA C22.2 No. 77; EAC; UL 1004-7

#### Application

The ebmpapst W3G910-KS35-03/F01 EC fan is primarily utilized in large air handling units, industrial ventilation systems, data center cooling walls, and rooftop HVAC heat exchangers.

## Product Images

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