

# W6D710-GH01-01 ebmpapst 400/480V AC Axial Fan

**SKU:** W6D710-GH01-01

**Price:** \$986.81

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/w6d710-gh01-01-ebmpapst-400-480v-ac-axial-fan/>

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## Product Description

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The ebmpapst W6D710-GH01-01 is a robust AC axial fan with a fan size of 710mm. It weighs 37.2 kg and features sickle-shaped blades with a square full nozzle design. The fan operates on 3-phase nominal voltages of 400VAC and 480VAC at both 50Hz and 60Hz frequencies. Its performance varies across these operating points: at 400VAC 50Hz, it achieves 905 RPM with 1030 W power and 2.35 A current; at 400VAC 60Hz, 730 RPM with 690 W power and 1.34 A current; at 480VAC 50Hz, 1060 RPM with 1700 W power and 2.87 A current; and at 480VAC 60Hz, 780 RPM with 1030 W power and 1.72 A current. The starting current ranges from 3 A to 10 A, and maximum back pressure varies from 80 Pa to 170 Pa.

Constructed for durability, the fan features a cast aluminum rotor surface, PP plastic terminal box, sheet aluminum insert blades sprayed with PP plastic, and a galvanized steel housing with black plastic coating (RAL 9005). The guard grille is made of steel with black plastic coating. It has 5 blades with a -5° blade pitch, and its direction of rotation is clockwise when viewed toward the rotor, with an airflow direction designated as "V". The fan has an IP54 degree of protection, Insulation Class "F", and Moisture/Environmental protection class F3-1. It is designed for operation in ambient temperatures from -40°C to 80°C, with condensation drainage holes on both rotor and stator sides. The motor is equipped with ball bearings and protected by a thermal overload protector (TOP) with basic insulation. Electrical connection is via a terminal box. The fan conforms to standards EN 60034-1 (2010) and EN 61800-5-1, holding VDE and EAC approvals. Its protection class is I, assuming customer connection of protective earth.

W6D710-GH01-01 Fan Parameters

Model: W6D710-GH01-01

Manufacturer: ebmpapst

Fan type: AC axial fan

Phase: 3~

Nominal voltage: 400 VAC, 480 VAC

Frequency: 50 Hz, 60 Hz

Wiring: Y, Delta

Speed (at 400V 50Hz): 905 1/min

Speed (at 400V 60Hz): 730 1/min

Speed (at 480V 50Hz): 1060 1/min

Speed (at 480V 60Hz): 780 1/min

Power consumption (at 400V 50Hz): 1030 W

Power consumption (at 400V 60Hz): 690 W

Power consumption (at 480V 50Hz): 1700 W

Power consumption (at 480V 60Hz): 1030 W

Current draw (at 400V 50Hz): 2.35 A

Current draw (at 400V 60Hz): 1.34 A

Current draw (at 480V 50Hz): 2.87 A

Current draw (at 480V 60Hz): 1.72 A

Starting current: 9 A, 3 A, 10 A, 3.5 A

Electrical hookup: Via terminal box

Motor protection: Thermal overload protector (TOP) with basic insulation

With cable: I (with customer connection of protective earth)

Touch current according to IEC 60990:  $\leq 3.5$  mA

Rotating direction looking at rotor: Clockwise

Airflow direction: "V"

Bearing system: Ball bearing

Installation position: Any

Condensation drainage holes: On rotor and stator sides

Mode: S1

Weight: 37.2 kg

Fan size: 710 mm

Rotor surface: Cast in aluminum

Terminal box material: PP plastic

Blade material: Sheet aluminum insert, sprayed with PP plastic

Fan housing material: Steel, galvanized and coated with black plastic (RAL 9005)

Guard grille material: Steel, coated with black plastic (RAL 9005)

Number of blades: 5

Blade pitch:  $-5^\circ$

Degree of protection: IP54

Insulation class: "F"

Moisture (F) / Environmental (H) protection class: F3-1

Max. permitted ambient temp. for motor (transport/storage): 80 °C

Min. permitted ambient temp. for motor (transport/storage): -40 °C

Max. back pressure: 125 Pa, 80 Pa, 170 Pa, 92 Pa

Conformity with standards: EN 60034-1 (2010); EN 61800-5-1; CE

Protection class: I (with customer connection of protective earth)

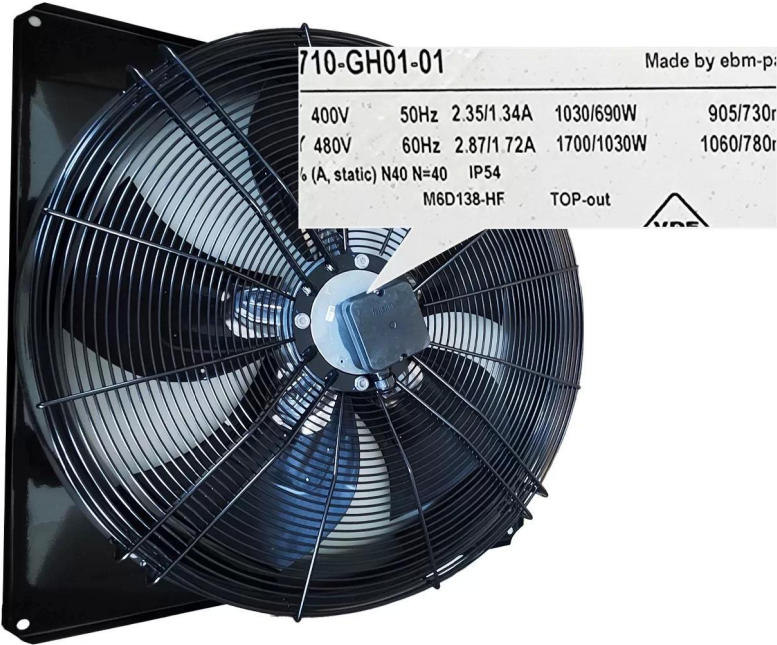
Approval: VDE; EAC

Application: This fan is designed for industrial applications requiring high airflow and robust operation, suitable for environments with controlled temperature and humidity.

## **Product Images**

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