

# A6D910-AA01-01 ebmpapst 400V 910mm AC Axial Fan

**SKU:** A6D910-AA01-01

**Price:** \$957.08

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/a6d910-aa01-01-ebmpapst-400v-910mm-ac-axial-fan/>

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## Product Description

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The ebmpapst A6D910-AA01-01 is a premier high-performance 400VAC three-phase AC Axial Fan from the HyBlade® series, featuring 5 sickle-shaped blades with a massive Impeller Size of 910 mm and total Dimensions of Ø 910 x 295 mm. Specifically engineered for mission-critical industrial refrigeration, large-scale dry coolers, and heavy-duty cooling towers, this unit is driven by the M6D138-NA external rotor motor. Operating on a 400 VAC supply, it supports both Delta ( $\Delta$ ) and Star (Y) connections, delivering a Power Input of 2480 W / 1570 W and a Current Draw of 5.4 A / 2.9 A at rated speeds of 885 / 685 RPM. Featuring high-strength HyBlade® technology—combining an aluminum sheet insert with a thermally resistant PP plastic coating—it ensures superior aerodynamic efficiency, low noise emissions, and an extended service life in continuous S1 environments at the end.

A6D910-AA01-01 Fan Parameters

Model Number: A6D910-AA01-01

Motor Model: M6D138-NA

Manufacturer: ebmpapst

Type: AC Axial Fan - HyBlade® Sickle-shaped blades

Impeller Size: 910 mm

Dimensions: Ø 910 x 295 mm

Weight: 27.8 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC

Connection:  $\Delta$  / Y (Delta / Star)

Phase: 3~

Frequency: 50 Hz

Method of Obtaining Data: ml (Max. load)

Max. Current Draw: 5.4 / 2.9 A

Starting Current: 18.6 / 6.2 A

Max. Power Consumption: 2480 / 1570 W

Rated Speed: 885 / 685 RPM

Max. Air Flow: 13034.1 / 10615.1 CFM (22145.0 / 18035.0 m<sup>3</sup>/h / 369.08 / 300.58 m<sup>3</sup>/min)

Max. Static Pressure: 15.30 / 9.18 mmH<sub>2</sub>O (150.0 / 90.0 Pa / 0.60 / 0.36 inAq)

Overall Efficiency ( $\eta_{es}$ ): 37%

Efficiency Grade N: 40.9

Number of Blades: 5

Impeller Material: Aluminum sheet insert, sprayed with PP plastic

Rotor Surface: Cast in aluminium

Direction of Airflow: "V" (Exhaust over struts)

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: "F"

Degree of Protection: IP54

Humidity Class: H2

Touch Current:  $\leq$  3.5 mA (acc. IEC 60990, Fig. 4, TN system)

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

Condensation Drainage Holes: On rotor and stator sides

Installation Position: Any

Mode: S1 (Continuous operation)

Protection Class: I

Max. Ambient Temperature: 50 °C

Min. Ambient Temperature: -40 °C

Standard Compliance: EN 60034-1; CE; UKCA

Approval: VDE; EAC; CCC

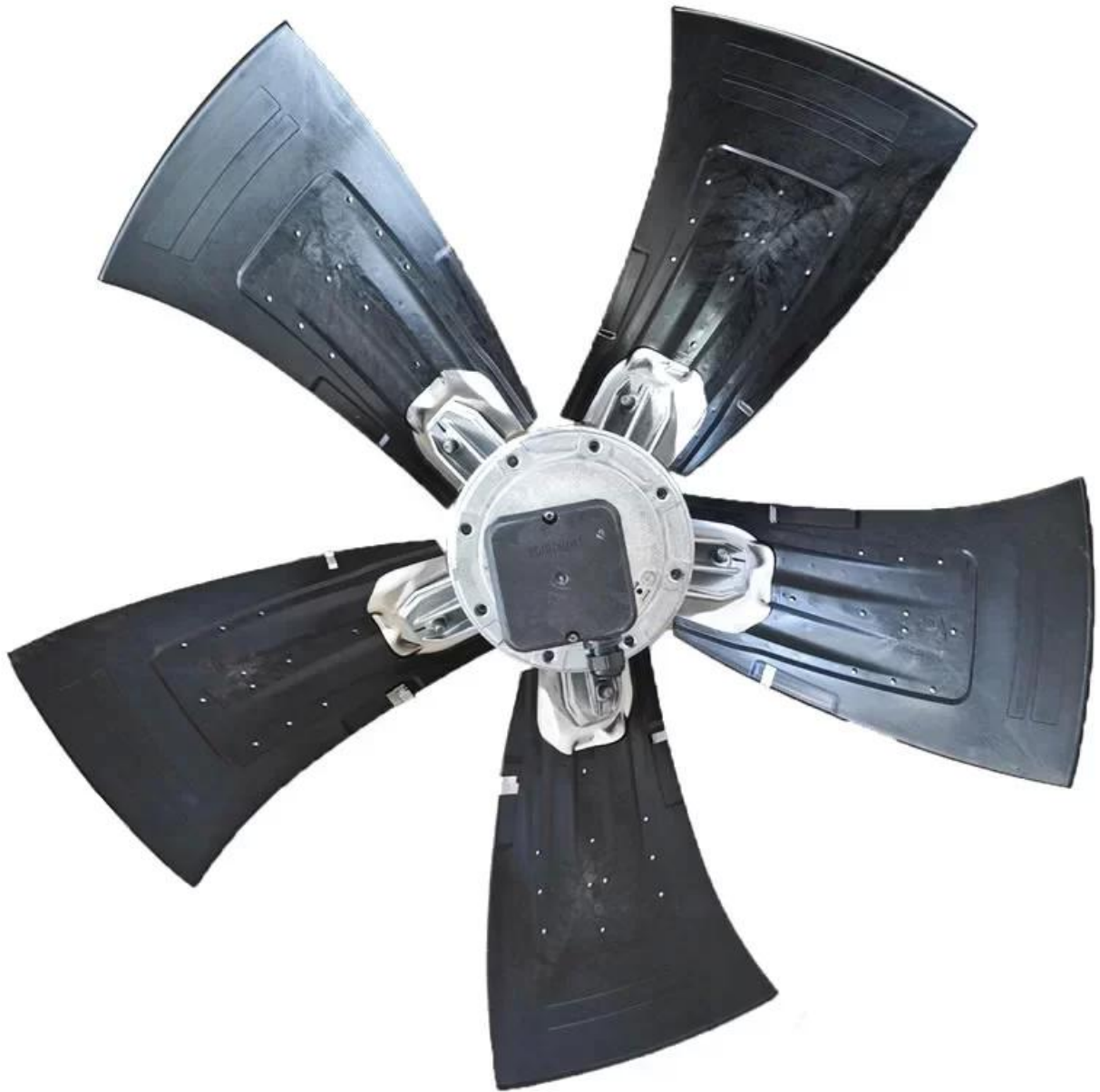
#### Application

The ebmpapst A6D910-AA01-01 HyBlade fan is the primary cooling solution for industrial air-cooled condensers, large-scale dry coolers, and heavy-duty cooling towers requiring high-volume 400V three-phase axial airflow with a 910mm composite impeller configuration.

## Product Images

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Scan for product details:

