

A6D800-AD01-01 ebmpapst 400V 800mm AC Axial Fan

SKU: A6D800-AD01-01

Price: \$699.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/a6d800-ad01-01-ebmpapst-400v-800mm-ac-axial-fan/>

Product Description

The ebmpapst A6D800-AD01-01 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 800 mm and total Dimensions of Ø 800 x 275 mm. Specifically engineered for mission-critical industrial refrigeration, large-scale dry coolers, and cooling towers, this unit is driven by the M6D138-LA external rotor motor. Operating on a 400 VAC supply, it supports both Delta (Δ) and Star (Y) connections, delivering a Power Input of 1940 W / 1210 W and a Current Draw of 3.9 A / 2.23 A at rated speeds of 880 / 670 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.

A6D800-AD01-01 Fan Parameters

Model Number: A6D800-AD01-01

Motor Model: M6D138-LA

Manufacturer: ebmpapst

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

Impeller Size: 800 mm

Dimensions: Ø 800 x 275 mm

Weight: 23.6 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC

Connection: Δ / Y (Delta / Star)

Phase: 3~

Frequency: 50 Hz

Method of Obtaining Data: ml (Max. load)
Max. Current Draw: 3.9 / 2.23 A
Starting Current: 13.0 / 4.3 A
Max. Power Consumption: 1940 / 1210 W
Rated Speed: 880 / 670 RPM
Max. Air Flow: 8846.3 / 7416.1 CFM (15030.0 / 12600.0 m³/h / 250.50 / 210.00 m³/min)
Max. Static Pressure: 16.32 / 9.38 mmH₂O (160.0 / 92.0 Pa / 0.64 / 0.37 inAq)
Overall Efficiency (η_{es}): 35.5%
Efficiency Grade N: 40.3
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: ≤ 3.5 mA (acc. IEC 60990, Fig. 4, TN system)
Motor Protection: Thermal switch (TW) brought out, basic insulation
Condensation Drainage Holes: On rotor and stator sides
Installation Position: Any
Mode: S1 (Continuous operation)
Protection Class: I
Max. Ambient Temperature: 60 °C
Min. Ambient Temperature: -40 °C
Standard Compliance: EN 60034-1; CE
Approval: VDE; EAC; CCC; UKCA

Application

The ebmpapst A6D800-AD01-01 HyBlade fan is the primary cooling solution for industrial air-cooled condensers, large-scale dry coolers, and cooling towers requiring high-volume 400V three-phase axial airflow with an 800mm composite impeller configuration.

Product Images









Scan for product details:

