

# S6D630-AN01-01 ebm-papst 400VAC 630mm HyBlade Axial Fan Datasheet



**Brand:** ebmpapst

**SKU:** [896480931735](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$1,285.99**

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Product Page:

<https://www.equipspares.com/product/s6d630-an01-01-ebm-papst-400vac-630mm-hyblade-axial-fan>

## Product Description

The ebm-papst S6D630-AN01-01 is a high-efficiency axial fan engineered with advanced HyBlade technology, featuring a composite blade structure that optimizes aerodynamic performance while significantly reducing noise emissions. Driven by a robust 3-phase AC external rotor motor (M6D110-GF), this unit ensures superior thermal impedance management and structural rigidity under continuous operation. The design integrates a die-cast aluminum rotor with plastic-coated sheet steel blades, providing exceptional durability in harsh industrial environments. Its precise balancing and IP54 protection rating make it ideal for demanding ventilation tasks requiring reliable air movement, low vibration, and extended service life in variable temperature ranges.

Model Number: S6D630-AN01-01

Brand: ebm-papst

Product Type: Axial Fan

Motor Type: M6D110-GF (AC External Rotor)

Rated Voltage: 230/400 VAC (Delta/Star)

Frequency: 50 / 60 Hz

Phase: 3~

Blade Diameter: 630mm

Rated Speed: 880 RPM (50Hz) / 970 RPM (60Hz)

Power Consumption: 650 W (50Hz) / 960 W (60Hz)

Current Draw: 2.34/1.35 A (50Hz) / 2.86/1.65 A (60Hz)

Max. Air Flow: 13050 m<sup>3</sup>/h (7680 CFM)

Max. Back Pressure: 140 Pa (0.56 inH<sub>2</sub>O)

Bearing Type: Ball Bearing

Noise Level: 73 dB(A)

Weight: 14.5 kg

Material (Blades): PP Plastic (HyBlade)

Material (Guard Grille): Steel, phosphated and coated in black plastic

Ingress Protection: IP54

Insulation Class: F

Motor Protection: Thermal Overload Protector (TOP) wired internally

Operating Temperature: -40°C to +80°C

Mounting Position: Shaft horizontal or rotor on bottom; rotor on top on request

Condensate Discharge Holes: Rotor-side

Touch Current: ≤ 3.5 mA

Cable Exit: Variable

Compliance: CE, CCC, EAC, VDE

Life Expectancy: > 40,000 Hours at 40°C

The S6D630-AN01-01 is extensively utilized in large-scale industrial ventilation systems, including cooling towers, condensers, and heat exchangers where high airflow volume is critical. Its robust construction allows for deployment in agricultural ventilation and transformer cooling applications. Engineers frequently specify the S6D630-AN01-01 for HVAC systems in commercial buildings and refrigeration units, ensuring consistent thermal regulation and operational stability in challenging environmental conditions.

## Supplemental Images

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