

G4D310-DK03-05 ebmpapst 400V 310mm AC Centrifugal Fan

SKU: G4D310-DK03-05

Price: \$1,412.43

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/g4d310-dk03-05-ebmpapst-400v-310mm-ac-centrifugal-fan/>

Product Description

The ebmpapst G4D310-DK03-05 is a heavy-duty 3-phase AC Centrifugal Fan designed for high-static pressure industrial applications. Operating at a nominal 400 VAC (50 Hz), this high-power unit is driven by a specialized external rotor motor, drawing 3.9 A with a substantial power consumption of 2180 W. It features a 310 mm diameter backward-curved (or high-capacity forward-curved) impeller, optimized for delivering maximum airflow in systems with high internal resistance. Rated at a speed of 1310 RPM and protected to IP54 standards, this fan is engineered for durability in dusty or moist environments. The G4D310-DK03-05 provides a robust thermal management solution for large-scale power electronics, industrial HVAC systems, and high-density server room cooling where 24/7 mission-critical reliability is required.

G4D310-DK03-05 Fan Parameters

Manufacturer: ebmpapst

Model Number: G4D310-DK03-05

Type: AC Centrifugal Fan

Phase: 3~ (Three-phase)

Nominal Voltage: 400 VAC

Frequency: 50 Hz

Impeller Size: 310 mm

Weight: 6.8 kg

[Electrical Data]

Rated Speed: 1310 RPM

Rated Current: 3.9 A

Power Consumption: 2180 W

Termination: Terminal box (Top or side mounted)

Motor Bearing: Maintenance-free Dual Ball Bearings

Insulation Class: F (155°C)

Motor Protection: Thermal overload protector (TOP) internally connected

[Performance & Acoustics]

Max. Air Flow: 3450 m³/h (2030 CFM)

Max. Static Pressure: 650 Pa (2.61 inAq)

Sound Pressure Level: 74 dB(A)

Degree of Protection: IP54 (Dust-protected, Splash-proof)

[Materials & Construction]

Housing Material: Die-cast aluminum / Galvanized sheet steel

Impeller Material: Sheet steel, hot-dip galvanized or painted black

Rotor Surface: Painted black

Direction of Rotation: Clockwise, viewed toward rotor

Installation Position: Any (Shaft horizontal preferred)

Mode: S1 (Continuous operation)

[Reliability & Protection]

Min. Ambient Temperature: -40 °C

Max. Ambient Temperature: 60 °C (at full load)

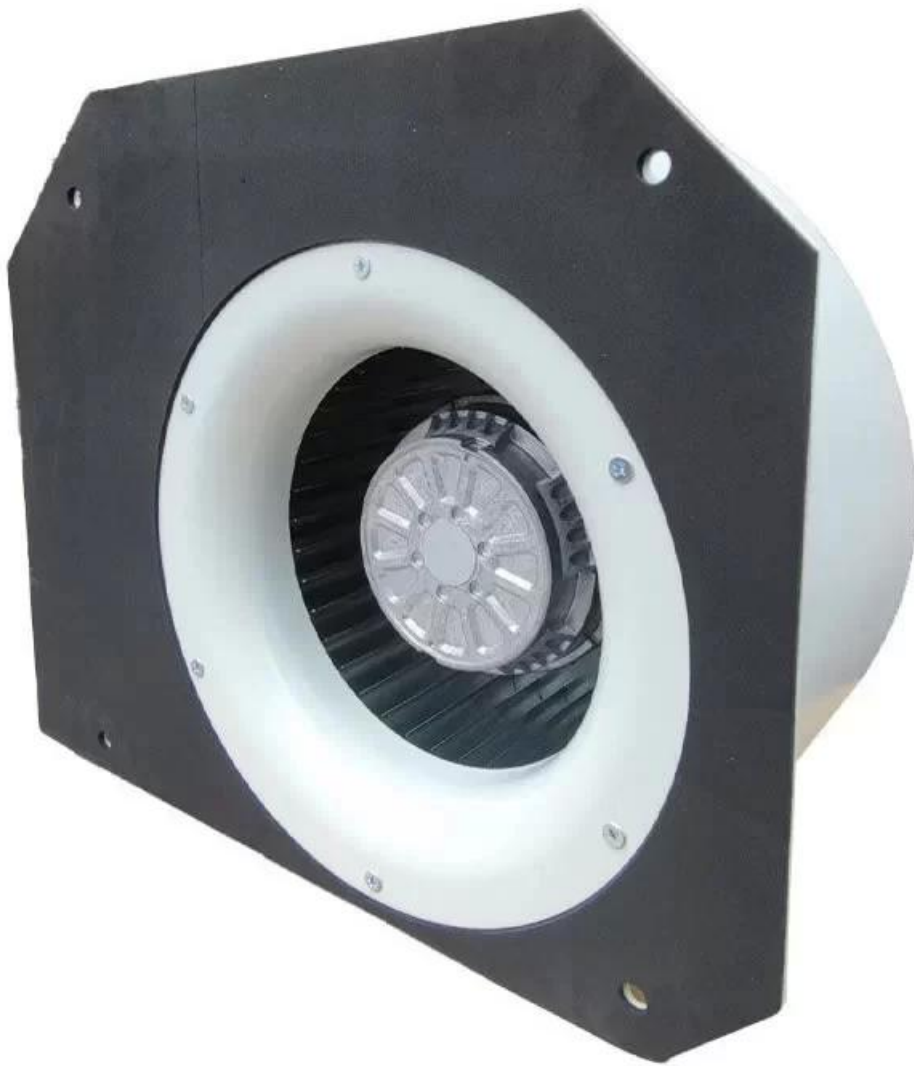
Storage Temperature: -40 °C to +80 °C

Approval: CE, CCC, EAC, UL recognized

Application

The ebmpapst G4D310-DK03-05 centrifugal fan is the premier thermal management solution for high-resistance industrial environments such as high-power wind turbine inverters, large-scale uninterruptible power supplies (UPS), and cleanroom air handling units. Its 2180W motor is specifically designed to maintain stable, high-volume airflow against significant backpressure, ensuring efficient cooling of densely packed electronic components. The IP54 rating provides critical protection against airborne contaminants and water splashes, making it suitable for industrial factory floors and outdoor-facing enclosures. With its 3-phase 400V input and high-torque performance, this 310 mm fan ensures the highest level of system uptime for modern building automation and energy infrastructure.

Product Images







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