

K3G310-PH38-32 ebmpapst 400V 310mm EC Centrifugal Fan

SKU: K3G310-PH38-32

Price: \$2,999.85

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k3g310-ph38-32-ebmpapst-400v-310mm-ec-centrifugal-fan/>

Product Description

The ebmpapst K3G310-PH38-32 is an industrial-grade, three-phase RadiCal EC centrifugal motorized impeller designed for high-capacity air management in mission-critical HVAC and industrial cooling systems. Operating on a 380 - 480 VAC three-phase supply at 50/60 Hz, this unit features a high-performance integrated EC motor that delivers an input power of 1800 W at a nominal speed of 3410 RPM. The 310 mm backward-curved impeller, crafted from glass-fiber reinforced PA6 plastic, is optimized for peak aerodynamic efficiency and low noise emissions. Equipped with advanced electronics supporting RS485 MODBUS RTU and 0-10 VDC control, the K3G310-PH38-32 provides an IP54-rated, high-pressure thermal solution for demanding environments ranging from -25 °C to 60 °C.

K3G310-PH38-32 Fan Parameters

Manufacturer: ebmpapst

Model Number: K3G310-PH38-32

Phase: 3~

Type: EC Centrifugal Fan (Backward-curved RadiCal)

Nominal Voltage: 400 VAC

Nominal Voltage Range: 380 - 480 VAC

Frequency: 50/60 Hz

Fan Size: 310 mm

Number of Blades: 7

Weight: 6.5 kg

[Electrical Data]

Nominal Speed: 3410 RPM

Power Consumption: 1800 W

Current Draw: 2.8/2.8 A

Control Interface: 0-10 VDC / PWM / RS485 MODBUS RTU

Integrated Power Supply: +10 VDC (max. 10 mA) / +20 VDC (max. 50 mA)

Circuit Type: Three-phase, active PFC integrated

Soft Start: Integrated

Motor Protection: Locked-rotor, phase failure, and over-temperature protection

Insulation Class: F

[Performance & Acoustics]

Max. Air Flow: 3850 m³/h (2265 CFM)

Max. Static Pressure: 1550 Pa (6.22 inAq)

Sound Power Level: 88 dB(A)

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Radial discharge

[Materials & Construction]

Impeller Material: Plastic PA6, glass-fiber reinforced (RadiCal)

Electronics Housing: Die-cast aluminum

Motor Bearing: Maintenance-free Ball Bearings

Installation Position: Any

Condensation Drainage Holes: Rotor side

Balancing Quality: G 6.3

[Reliability & Protection]

Degree of Protection: IP54

Protection Class: I (with customer protective earth)

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: 60 °C

Service Life (L10): 40000 h at 40 °C

Standard Compliance: EN 61800-5-1; CE; UL; CSA

Application

The ebmpapst K3G310-PH38-32 three-phase EC centrifugal fan is specifically engineered for high-density thermal management in data centers and industrial AHU systems where its 310 mm RadiCal impeller and 1800 W integrated motor are required to deliver a critical 3850 m³/h airflow against extreme system impedance, while its 380 - 480 VAC intelligence and IP54-rated construction ensure energy-efficient 50/60 Hz operation and precise speed regulation in mission-critical environments from -25 °C to 60 °C.

Product Images





Scan for product details:

