K3G710-PW06-01 ebmpapst 400V RadiPac EC Centrifugal Fan

SKU: K3G710-PW06-01

Price: $9,259.00

Categories: Fans

Tags: ebmpapst

Product Link:
https://www.elecspares.com/product/k3g710-pw06-01-ebmpapst-400v-radipac-ec-centrifugal-fan/

Product Description

The ebmpapst K3G710-PW06-01 is a high-performance RadiPac EC centrifugal module with dimensions of 876 x 880 x 960 mm. This backward-curved, single-intake fan features a robust cube design and is powered by a high-efficiency GreenTech EC motor (M3G200-QA). Operating at a nominal voltage of 400 VAC, it is capable of delivering a massive airflow of up to 35070 m³/h at free air conditions and reaching a maximum static pressure of 6.82 inAq (1700 Pa). Engineered for industrial environments, this fan integrates advanced electronics for precise speed control, making it an essential component for high-capacity ventilation and cooling in large-scale infrastructure and air handling systems.

K3G710-PW06-01 Fan Parameters
Manufacturer: ebmpapst
Motor: M3G200-QA
Phase: 3~
Nominal Voltage: 400 VAC
Nominal Voltage Range: 380 to 480 VAC
Frequency: 50/60 Hz
Speed: 1680 RPM
Power Input: 11450 W
Current Draw: 17.7 A
Max. Airflow: 35070 m³/h
Max. Static Pressure: 6.82 inAq
Min. Ambient Temperature: -40 °C
Max. Ambient Temperature: 40 °C
Weight: 153.5 kg

Impeller Size: 710 mm
Dimensions: 876 x 880 x 960 mm
Impeller Material: Sheet aluminum
Housing Material: Sheet steel, galvanized (Inlet nozzle and support plate)
Direction of Rotation: Clockwise, viewed toward rotor
Degree of Protection: IP55
Insulation Class: F
Type of Protection: Thermal overload protection for electronics and motor
Technical Features: Control input 0-10 VDC / PWM, RS-485 MODBUS-RTU, Soft start, Integrated PID controller, PFC (passive), Output 10 VDC (max. 10 mA) and 20 VDC (max. 50 mA)
Approval: EAC, CSA C22.2 No. 77, UL 1004-7, CE, UKCA

Application
The K3G710-PW06-01 is designed for demanding, large-scale air moving applications such as central air handling units (AHU) in commercial buildings, industrial ventilation systems, and precision cooling arrays for massive data centers. Its high efficiency and sophisticated control options, including MODBUS-RTU and integrated PID control, allow for seamless integration into building management systems for optimized energy use. Additionally, its rugged construction and wide operating temperature range (down to -40 °C) make it suitable for extreme industrial environments and specialized refrigeration or air-conditioning technology requiring high reliability and performance.

Product Images


ebmpapst
K3G710-PW06-01
Made in Germany
DE(H)26/25
IP55
3~ 380-480VAC 50/60Hz (17.7A 11450W) @400V 1680min-1
η =69.1% (A, static) N62 N=69 VSD integrated
Ins.Cl. F AO
Electronically-Protected
3ph 380-480VAC 50/60Hz max.23A max.14kW
2526006EMW

Scan for product details: