K3G250-PR17-W9/F01 ebm-papst 400VAC EC Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 1018064075755

Category: Axial & Centrifugal Fans

Price: **$1,285.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/k3g250-pr17-w9-f01-ebm-papst-400vac-ec-centrifugal-fan

Product Description

The ebm-papst K3G250-PR17-W9/F01 is a high-efficiency EC Centrifugal Fan engineered for demanding industrial ventilation and air handling units. Utilizing an advanced M3G084-DF motor architecture, this unit integrates sophisticated power electronics to ensure optimal thermal impedance and structural rigidity under continuous operation. The aerodynamic impeller design is optimized for high-pressure stability and low acoustic emissions, while the EC motor technology provides superior energy efficiency compared to traditional AC drives. Its robust construction and IP55 protection rating make it suitable for environments requiring high reliability and precise airflow control in complex thermal management systems.

Model Number: K3G250-PR17-W9/F01
Brand: ebm-papst
Product Type: EC Centrifugal Fan
Rated Voltage: 400VAC
Voltage Range: 380 - 480VAC
Frequency: 50/60Hz
Rated Current: 1.8A
Input Power: 1160W
Output Power: 998W
Rated Speed: 4000RPM

Motor Model: M3G084-DF
Phase: 3~
Ingress Protection: IP55
Dimensions: 250mm
Bearing Type: Maintenance-free Ball Bearings
Insulation Class: F
Operating Mode: S1 (Continuous operation)
Protection Features: Over-temperature protection, Locked rotor protection, Soft start
Speed Control: Integrated electronics with control input
Housing Material: Die-cast aluminum / Composite
Certifications: CE, UL, CSA, VDE

The K3G250-PR17-W9/F01 is primarily utilized in high-capacity Air Handling Units (AHU) and precision climate control systems for data centers. The K3G250-PR17-W9/F01 provides the necessary static pressure for cleanroom filtration and industrial cooling towers where consistent airflow is critical. Its rugged design allows for seamless integration into telecommunications infrastructure and large-scale HVAC installations requiring intelligent speed modulation.

Supplemental Images


K3G250-PR17-W9/F01 制造商：ebm-papst Mulfingen GmbH & Co.KG CN(N) 12/23
3~380-480VAC 50/60Hz 1.8A 1160/998W(输入/输出) 4000r/min @400V IP55
η =66.5% (A, static) N62 N=76.4 VSD integrated
M3G084-DFxx-yy E08423 AO
Electronically-Protected Ins.Cl. F
3ph 380-480VAC 50/60Hz max.2.4A max.1.5kW
型号:M3G084-DF
永磁直流电机
Ins.Cl.F级
L1 = 黑线1
L2 = 黑线2
L3 = 黑线3
PE = 黄绿线
NC = 白线1
COM = 白线2
GND = 蓝线
+10 V = 红线
0-10V/PWM = 黄线
RSB = 棕线
RSA = 白线