4656Z ebmpapst 230VAC 119x38mm IP20 Axial Fan Datasheet

Brand: ebmpapst

SKU: 768591112683

Category: Axial & Centrifugal Fans

Price: **$34.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/4656z-ebmpapst-230vac-119x38mm-ip20-axial-fan

Product Description

The ebmpapst 4656Z is a robust AC Axial Fan engineered for demanding industrial thermal management applications. Utilizing an advanced external rotor motor design, this unit delivers consistent airflow while maintaining optimal thermal impedance under continuous operation. The construction features a die-cast aluminum housing and a sheet steel impeller, ensuring exceptional structural rigidity and resistance to mechanical stress. Designed for 230VAC operation, the 4656Z integrates precision balancing to minimize vibration and acoustic noise, making it suitable for sensitive electronic cooling environments requiring reliable ingress protection and long operational service life.

Model Number: 4656Z
Brand: ebmpapst
Product Type: AC Axial Fan
Rated Voltage: 230 VAC
Frequency: 50 / 60 Hz
Rated Current: 120 / 115 mA
Power Input: 19 / 18 W
Power Output: 5.7 / 5.4 W
Rated Speed: 2650 / 3100 RPM
Max. Air Flow: 94.2 / 105.9 CFM (160 / 180 m^3/h)
Max. Static Pressure: 7.62 mmH_2O (75 Pa / 0.30 inH_2O)

Dimensions: 119 x 119 x 38 mm
Weight: 0.55 kg
Bearing Type: Sintec Sleeve Bearing
Ingress Protection: IP20
Noise Level: 40 / 45 dB(A)
Housing Material: Die-cast Aluminum
Impeller Material: Sheet Steel, painted black
Operating Temperature: -40 to +75 °C
Life Expectancy: 40,000 Hours (40°C)
Termination: 2 flat plugs 2.8 x 0.5 mm
Motor Protection: Impedance Protected
Direction of Rotation: Clockwise, viewed toward rotor
Airflow Direction: Intake over struts
Approval: VDE, CSA, UL, CE

The 4656Z is frequently deployed in high-density server racks and industrial control cabinets where reliable heat dissipation is critical for system stability. Engineers often select the 4656Z for automation equipment and telecommunications infrastructure due to its durable metal construction and consistent AC performance. Additionally, this model serves effectively in power supply units and HVAC auxiliary systems, ensuring components remain within safe thermal operating limits during peak loads.

Supplemental Images