RLF35-8/12/2HP-113 ebmpapst 12VDC 127mm Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 765991549253

Category: Axial & Centrifugal Fans

Price: **$35.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/rlf35-8-12-2hp-113-ebmpapst-12vdc-127mm-centrifugal-fan

Product Description

The ebmpapst RLF35-8/12/2HP-113 is a precision-engineered Centrifugal Fan designed to deliver superior airflow in high-static pressure environments. Built upon advanced DC motor technology and a durable ball bearing architecture, this blower ensures consistent performance and reduced mechanical friction over an extended service life. The unit features a robust fiberglass-reinforced plastic housing that provides excellent structural rigidity while optimizing aerodynamic efficiency to lower thermal impedance. With its 4-wire configuration, it supports precise speed modulation and monitoring, making it highly adaptable to varying thermal loads. This model represents a critical component for systems requiring reliable forced convection cooling within compact or resistance-heavy enclosures.

Model Number: RLF35-8/12/2HP-113
Brand: ebmpapst
Product Type: Centrifugal Fan / Blower
Rated Voltage: 12 VDC
Voltage Range: 8 - 13.2 VDC
Rated Current: 410 mA
Power Input: 4.9 W
Rated Speed: 6700 RPM
Max. Air Flow: 22.9 CFM (39 m^3/h)

Max. Static Pressure: 0.98 inH2O (245 Pa)
Dimensions: 127 x 127 x 25 mm
Bearing Type: Ball Bearing
Noise Level: 55 dB(A)
Termination: 4-Wire Leads
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PA Plastic (UL94V-0)
Operating Temperature: -20 to +70 °C
Life Expectancy: 60,000 Hours (40°C)
Speed Control: PWM / Tachometer
Weight: 0.17 kg

The RLF35-8/12/2HP-113 is engineered for integration into complex electronic systems where space is limited and airflow resistance is high. Common deployment scenarios include rack-mounted server cooling, telecommunications base stations, and variable frequency drive (VFD) cooling units. The high static pressure capabilities of the RLF35-8/12/2HP-113 allow it to effectively push air through dense heatsinks and restricted ducting in medical devices and industrial automation equipment, ensuring sensitive electronics maintain optimal operating temperatures.

Supplemental Images