DF1738B22M PEERLESS Motors 220VAC 170x170x38mm Axial Fan Datasheet

SKU: 990724398703

Category: Axial & Centrifugal Fans

Price: **$27.99**

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Product Page:
https://www.equipspares.com/product/df1738b22m-peerless-motors-220vac-170x170x38mm-axial-fan

Product Description

The PEERLESS Motors DF1738B22M is a robust AC Axial Fan engineered for high-reliability industrial thermal management systems. Utilizing an advanced ball bearing architecture, this unit ensures minimal frictional resistance and extended operational longevity under continuous load conditions. The aerodynamic impeller design optimizes airflow dynamics to reduce turbulence while maintaining significant static pressure capabilities, essential for overcoming system impedance. Constructed with a durable die-cast frame to withstand mechanical stress and vibration, the DF1738B22M offers superior thermal impedance reduction. This component is specifically calibrated for environments requiring consistent heat dissipation and structural rigidity, ensuring the stability of critical electronic infrastructure.

Model Number: DF1738B22M
Brand: PEERLESS Motors
Product Type: AC Axial Fan
Rated Voltage: 220/240 VAC
Frequency: 50/60 Hz
Power Input: 20 W
Rated Current: 0.14 A
Dimensions: 170 x 170 x 38 mm
Bearing Type: Ball Bearing

Rated Speed: 2700 RPM
Max. Air Flow: 190.0 CFM (322.8 m^3/h / 5.38 m^3/min)
Max. Static Pressure: 16.5 mmH_2O (161.8 Pa / 0.65 inH_2O)
Noise Level: 53 dBA
Frame Material: Aluminum Die-Cast
Impeller Material: Thermoplastic PBT (UL94V-0)
Termination: Terminal / Lead Wire
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +80°C
Life Expectancy: 50,000 Hours @ 40°C
Motor Protection: Impedance Protected
Insulation Class: Class B
Weight: 850 g
Phase: Single Phase
Mounting Orientation: Any

Designed for critical cooling applications, the DF1738B22M excels in maintaining optimal operating temperatures for industrial machinery and power electronics. Common deployments include server cabinets, variable frequency drive (VFD) inverters, and large-scale power supply units where consistent airflow is mandatory to prevent thermal throttling. The DF1738B22M is also frequently utilized in telecommunications enclosures and CNC control panels, ensuring sensitive electronics remain within safe thermal limits during prolonged operation cycles.

Supplemental Images