F12025MD12B Coolserver 12VDC 120x120x25mm Axial Fan Datasheet

SKU: 998711622827

Category: Axial & Centrifugal Fans

Price: **$25.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/f12025md12b-coolserver-12vdc-120x120x25mm-axial-fan

Product Description

The Coolserver F12025MD12B is a precision-engineered Axial Fan designed for critical thermal management in high-density computing environments. Utilizing advanced DC motor technology paired with a robust Dual Ball Bearing architecture, this unit ensures minimal frictional coefficient and extended operational longevity under continuous load. The aerodynamic blade geometry is optimized to reduce turbulence while maximizing static pressure, effectively overcoming thermal impedance in restricted chassis or heatsink assemblies. Constructed with high-grade materials to ensure structural rigidity, the F12025MD12B maintains stability and performance consistency, making it an ideal component for industrial and enterprise-level cooling solutions.

Model Number: F12025MD12B
Brand: Coolserver
Product Type: Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.35 A
Input Power: 4.20 W
Rated Speed: 2800 RPM (Reference)
Bearing Type: Dual Ball Bearing
Max. Air Flow: 89.5 CFM (152.1 m^3/h / 2.53 m^3/min)

Max. Static Pressure: 4.85 mmH_2O (47.56 Pa / 0.19 inH_2O)
Dimensions: 120 x 120 x 25 mm
Weight: 150 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 38.5 dB(A)
Frame Material: PBT Thermoplastic (UL94V-0)
Blade Material: PBT Thermoplastic (UL94V-0)
Ingress Protection: IP54 (Dust Protected)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: Lead Wires with Standard Connector
Mounting Hole Distance: 105 x 105 mm
Direction of Rotation: Counter-clockwise

Designed for versatility and reliability, the F12025MD12B is engineered to meet the rigorous demands of server racks, workstations, and high-performance desktop computing systems. Its robust airflow capabilities make it particularly effective for CPU heatsink cooling and chassis ventilation where consistent thermal dissipation is required. By integrating the F12025MD12B into industrial enclosures or telecommunication equipment, operators ensure optimal operating temperatures, thereby safeguarding sensitive electronic components from thermal throttling or failure.

Supplemental Images


COOLSERVER
F12025MD12B
DC12V 0.35A
BALL BEARING