D1751M24B8CP332 Nidec SERVO 24VDC 172x51mm Axial Fan Datasheet

Brand: Nidec

SKU: D1751M24B8CP332

Category: Industrial Fans

Price: **$111.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/d1751m24b8cp332-nidec-servo-24vdc-172x51mm-axial-fan

Product Description

The Nidec SERVO D1751M24B8CP332 is a high-capacity DC Axial Fan engineered for critical thermal management in industrial environments. Utilizing advanced dual ball bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous operation. The aerodynamic impeller design is optimized to deliver substantial airflow while maintaining structural rigidity against back-pressure. With a robust 24VDC motor system, the D1751M24B8CP332 minimizes thermal impedance within high-density enclosures, making it an ideal solution for systems requiring reliable heat dissipation and precise speed regulation via PWM control.

Model Number: D1751M24B8CP332
Brand: Nidec SERVO
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 16.0 - 27.6 VDC
Rated Current: 3.40 A
Input Power: 81.6 W
Rated Speed: 5300 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 360.0 CFM (611.6 m^3/h / 10.19 m^3/min)
Max. Static Pressure: 32.0 mmH_2O (313.8 Pa / 1.26 inH_2O)

Dimensions: 172 x 150 x 51 mm
Weight: 850 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 68.0 dB(A)
Housing Material: Aluminum Die-Cast
Impeller Material: Reinforced Plastic (UL94V-0)
Termination: 4-Wire Leads
Speed Control: PWM Control / Tachometer Output
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Safety Certifications: UL, cUL, TUV

Designed for high-static pressure environments, the D1751M24B8CP332 is extensively deployed in telecommunications infrastructure and enterprise-grade server cabinets where airflow obstruction is a critical factor. Its robust construction allows for integration into CNC machinery and industrial automation control panels requiring consistent thermal regulation. The D1751M24B8CP332 ensures operational continuity in medical diagnostic equipment and power supply units, effectively mitigating heat buildup in densely populated electronic assemblies.

Supplemental Images


Nidec
SERVO
DC24V 3.4A
MADE IN VIETNAM
7G 05