PADC12X7P-966 Japan Servo 12VDC 172x150x51mm Axial Fan Datasheet

Brand: Nidec

SKU: 737155927341

Category: Axial & Centrifugal Fans

Price: **$33.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/padc12x7p-966-japan-servo-12vdc-172x150x51mm-axial-fan

Product Description

The Japan Servo PADC12X7P-966 is a high-capacity DC axial fan engineered for critical thermal management in industrial and telecommunications environments. Utilizing advanced DC brushless motor technology and a robust dual ball bearing architecture, this unit delivers exceptional airflow while maintaining structural rigidity under continuous operation. The design features a precision-balanced impeller housed within a durable aluminum die-cast frame, optimizing aerodynamic efficiency and minimizing thermal impedance. This 172mm fan is specifically calibrated for high-static pressure applications, ensuring reliable heat dissipation in densely packed electronic enclosures.

Model Number: PADC12X7P-966
Brand: Japan Servo (Nidec Servo)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 1.85 A
Power Input: 19.0 W
Rated Speed: 3600 RPM
Max. Air Flow: 235.0 CFM (399.2 m^3/h / 6.65 m^3/min)
Max. Static Pressure: 18.5 mmH_2O (181.4 Pa / 0.73 inH_2O)

Dimensions: 172mm x 150mm x 51mm
Weight: 850 g
Bearing Type: Dual Ball Bearing
Frame Material: Aluminum Die-Cast
Impeller Material: Reinforced Plastic (UL94V-0)
Ingress Protection: IP20
Noise Level: 56 dBA
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: Lead Wires
Life Expectancy: 60,000 Hours at 40°C
Motor Protection: Locked Rotor Protection; Reverse Polarity Protection
Mounting Orientation: Any

The PADC12X7P-966 is widely utilized in high-demand sectors such as server rack cooling, telecommunications base stations, and industrial automation cabinetry. Its robust airflow capabilities make it ideal for removing heat from power supplies and rectifiers where consistent thermal stability is paramount. Engineers frequently specify the PADC12X7P-966 for CNC machinery and medical instrumentation, relying on its durable construction to prevent system overheating and ensure operational continuity in harsh environments.

Supplemental Images