PADC24Z4M-930 Servo 24VDC 172x150x51mm PWM Axial Fan Datasheet

Brand: Nidec

SKU: 873999597213

Category: Axial & Centrifugal Fans

Price: **$47.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/padc24z4m-930-servo-24vdc-172x150x51mm-pwm-axial-fan

Product Description

The Japan Servo PADC24Z4M-930 is a robust industrial axial fan engineered for high-static pressure environments and critical thermal management systems. Utilizing advanced DC brushless motor technology, this unit delivers consistent performance with a substantial power rating of 24W, ensuring rapid heat dissipation. The architecture features a precision dual ball bearing system designed to minimize frictional losses, reduce acoustic resonance, and extend operational lifespan under continuous load. Its aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity within the aluminum die-cast frame. This specific configuration supports active speed regulation via a dedicated control line, allowing for adaptive cooling based on real-time thermal impedance requirements.

Model Number: PADC24Z4M-930
Brand: Japan Servo (Nidec)
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Power: 24W
Rated Current: 1.00 A
Rated Speed: 3400 RPM
Bearing Type: Dual Ball Bearing

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: 850g
Life Expectancy: 60,000 Hours at 60°C
Speed Control: Speed Regulation Supported (Brown Wire)
Housing Material: Aluminum Die-Cast
Blade Material: Reinforced Plastic UL94V-0
Termination: 3-Wire Lead (Red +, Black -, Brown Control)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Origin: Indonesia

This cooling solution is specifically calibrated for demanding applications such as industrial automation cabinets, server rack thermal management, and CNC machinery. The PADC24Z4M-930 excels in environments requiring reliable heat dissipation, such as telecommunications base stations and high-density power supply units. Integrators frequently utilize the PADC24Z4M-930 for its precise speed control capabilities, allowing for optimized acoustic profiles and energy consumption in sensitive electronic assemblies.