ADN512UB-A90 ADDA 12VDC 135x135x25mm Dual Ball Axial Fan Datasheet

Brand: ADDA

SKU: 817627775463

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/adn512ub-a90-adda-12vdc-135x135x25mm-dual-ball-axial-fan

Product Description

The ADDA ADN512UB-A90 is a high-efficiency DC Axial Fan engineered for rigorous industrial thermal management applications. Built upon a robust Dual Ball Bearing architecture, this model significantly reduces mechanical friction, thereby extending operational lifespan and ensuring stability under continuous duty cycles. The unit features a precision-molded impeller designed to maximize aerodynamic efficiency, delivering a high volume of airflow while maintaining substantial static pressure to overcome system resistance. Its structural rigidity and advanced motor technology minimize vibration and thermal impedance, making the ADN512UB-A90 an ideal solution for cooling sensitive electronic components where reliability and performance consistency are critical requirements.

Model Number: ADN512UB-A90
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.44 A
Input Power: 5.28 W
Rated Speed: 2500 RPM

Bearing Type: Dual Ball Bearing
Max. Air Flow: 105.7 CFM (179.5 m^3/h)
Max. Static Pressure: 7.2 mmH_2O (70.6 Pa / 0.28 inH_2O)
Dimensions: 135 x 135 x 25 mm
Weight: 280 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 44.5 dB(A)
Frame Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: Lead Wires
Ingress Protection: IP55 (Optional)
Safety Certifications: UL, CUL, TUV, CE
Motor Protection: Impedance Protected, Reverse Polarity Protection

The ADN512UB-A90 is specifically designed for integration into mission-critical hardware such as telecommunications base stations, server enclosures, and industrial automation control panels. Its optimized form factor allows the ADN512UB-A90 to fit into specialized chassis designs often found in medical instrumentation and power supply units, providing dependable cooling to prevent thermal throttling and component degradation in 24/7 operational environments.

Supplemental Images