

E1246X12BYAP-14 Servo 12VDC 120x120x38mm Axial Fan Datasheet



Brand: Nidec

SKU: [1008184541759](#)

Category: Axial & Centrifugal Fans

Price: **\$37.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/e1246x12byap-14-servo-12vdc-120x120x38mm-axial-fan>

Product Description

The Japan Servo E1246X12BYAP-14 is a high-performance axial fan engineered for critical thermal management in enterprise-grade hardware. Utilizing advanced DC motor technology and a precision double ball bearing architecture, this unit delivers exceptional airflow capabilities required for high-density server environments. The design prioritizes structural rigidity and aerodynamic efficiency, minimizing thermal impedance within restricted chassis spaces. With a robust 12VDC operating profile and a 2.1A current draw, it ensures rapid heat dissipation, maintaining optimal operating temperatures for sensitive electronic components. The fan is specifically calibrated for reliability, featuring durable housing materials that withstand continuous operation under significant load.

Model Number: E1246X12BYAP-14

Brand: Japan Servo (Nidec Servo)

Product Type: DC Axial Fan

OEM Part Number: 045-000-183

Rated Voltage: 12VDC

Operating Voltage Range: 10.2 - 13.8 VDC

Rated Current: 2.1 A

Input Power: 25.2 W

Rated Speed: 4000+ RPM (High Speed Profile)

Dimensions: 120 x 120 x 38 mm

Bearing Type: Double Ball Bearing

Max. Air Flow: Approx. 150 - 190 CFM (High Capacity)

Max. Static Pressure: High Static Pressure Profile

Termination: 4-Wire Lead with Connector

Wire Function: Red (+), Black (-), Yellow (Sensor), Blue (PWM)

Housing Material: PBT Plastic (UL94V-0)

Blade Material: Reinforced Plastic

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Compatible System: Dell EMC CX3 Storage Arrays

Mounting Orientation: Any

Ingress Protection: Standard IP Rating

Life Expectancy: 70,000 Hours at 40°C

Designed primarily for high-demand enterprise storage solutions, the E1246X12BYAP-14 serves as a critical cooling component within the Dell EMC CX3 chassis system. Its high static pressure capabilities make it ideal for overcoming the airflow resistance found in densely populated server racks and data center equipment. Beyond storage arrays, the E1246X12BYAP-14 is suitable for industrial automation systems, telecommunications hardware, and precision medical devices where consistent thermal regulation is mandatory to prevent system failure.

Supplemental Images

