

9EC2048P0J04 Sanyo Denki 48VDC 200mm PWM Centrifugal Fan Datasheet



Brand: Sanyo Denki

SKU: 749088859633

Category: Axial & Centrifugal Fans

Price: \$104.99

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Product Page:

<https://www.equipspares.com/product/9ec2048p0j04-sanyo-denki-48vdc-200mm-pwm-centrifugal-fan>

Product Description

The Sanyo Denki 9EC2048P0J04 is a Centrifugal Fan engineered for mission-critical industrial applications requiring high-pressure airflow delivery against significant system impedance. Utilizing advanced DC motor technology and a precision-balanced impeller, this unit optimizes aerodynamic efficiency while minimizing vibration through enhanced structural rigidity. The robust bearing architecture ensures operational stability under heavy thermal loads, significantly reducing thermal impedance in high-density electronic enclosures. Designed for continuous duty, the fan integrates sophisticated commutation electronics to maintain torque consistency and reliability.

Model Number: 9EC2048P0J04

Brand: Sanyo Denki

Product Type: Centrifugal Fan

Rated Voltage: 48VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 4.4 A

Power: 211.2 W

Rated Speed: 4100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 618.0 CFM (1050 m³/h / 17.5 m³/min)

Max. Static Pressure: 82.0 mmH₂O (804 Pa / 3.23 inH₂O)

Dimensions: Ø200mm x 70mm

Weight: 1600 g

Life Expectancy: 40000 hrs at 60°C

Speed Control: PWM Control

Sensor: Pulse Sensor

Noise Level: 72 dB(A)

Ingress Protection: IP54 (Optional)

Insulation Class: Class F

Housing Material: Aluminum Die-cast

Blade Material: Plastic (UL94V-0)

Termination: Lead Wires

Operating Temperature: -20°C to +70°C

Storage Temperature: -30°C to +70°C

Mounting Orientation: Any

Protection: Locked Rotor Protection, Reverse Polarity Protection

The 9EC2048P0J04 is specifically deployed in high-impedance ventilation systems such as telecommunications base stations, large-capacity server racks, and industrial heat exchangers. Its high static pressure capability makes the 9EC2048P0J04 ideal for forcing air through dense filtration systems and tightly packed electronic components found in medical imaging equipment and CNC control cabinets, ensuring thermal stability in demanding environments.

Supplemental Images

