

9WPA1212P4J001 Sanyo Denki 12V 120mm IP68 PWM DC Axial Fan

SKU: 9WPA1212P4J001

Price: \$90.00

Categories: Fans

Tags: Sanyo Denki

Product Link:

<https://www.electspares.com/product/9wpa1212p4j001-sanyo-denki-12v-120mm-ip68-pwm-dc-axial-fan/>

Product Description

The Sanyo Denki 9WPA1212P4J001 is a high-performance DC Axial Fan with dimensions of 120 x 120 x 25 mm. Operating on 12 V DC, this San Ace 120W series fan is specifically engineered for long-term reliability in harsh environments, featuring a certified IP68 rating for complete protection against dust and water immersion. With a high airflow of 252 m³/h and a high static pressure of 210 Pa at 5400 RPM, it is an ideal thermal solution for outdoor EV chargers, PV inverters, and telecommunications equipment requiring precise PWM speed control.

9WPA1212P4J001 Fan Parameters

Model: 9WPA1212P4J001

Manufacturer: Sanyo Denki

Series: San Ace 120W (Splash Proof)

Type: DC Axial Fan

Dimensions: 120 x 120 x 25 mm

Nominal Voltage: 12 V DC

Operating Voltage Range: 10.8 V DC to 13.2 V DC

Rated Current: 1.0 A

Rated Input Power: 12.0 W

PWM Duty Cycle: 100% (at 12V)

Rated Speed: 5400 RPM

Max. Airflow: 252 m³/h (148.3 CFM)

Max. Static Pressure: 210 Pa (0.843 inAq)

Noise Level: 53 dB(A)

Ingress Protection: IP68 (Dust-tight and Waterproof up to 2m)

Bearing Type: Dual Ball Bearing

Motor Design: Brushless DC, 3-phase Motor Drive

Electrical Protection: Locked Rotor Burnout Protection, Reverse Polarity Protection

Termination: 4-wire Leads (Red: +; Black: -; Yellow: Sensor; Brown: Control)

Control Signal: PWM (Pulse Width Modulation)

Sensor Type: Tachometer (Speed Sensor / Pulse Sensor)

PWM Frequency: 25 kHz

Frame Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Life Expectancy (L10): 70,000 h (at 40 °C) / 40,000 h (at 60 °C)

Operating Temperature Range: -20 °C to +60 °C

Storage Temperature Range: -30 °C to +70 °C

Mass: 240 g

Certifications: cURus (UL/CSA), TUV, RoHS

Application

The Sanyo Denki 9WPA1212P4J001 is a specialized fan designed for outdoor and high-humidity industrial environments. Its IP68-rated enclosure allows it to function reliably in Electric Vehicle (EV) charging stations, Solar (PV) Inverters, and Outdoor Digital Signage where exposure to rain and dust is constant. Furthermore, its high static pressure performance makes it highly effective for cooling 5G Telecommunication Base Stations, Energy Storage Systems (ESS), and Industrial Control Panels that utilize high-density components or air filters.

Product Images







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