

9W1TM48P4G01 Sanyo Denki 48VDC 100mm IP54 Centrifugal Fan Datasheet



Brand: Sanyo Denki

SKU: 993575753339

Category: Axial & Centrifugal Fans

Price: \$34.99

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Product Page:

<https://www.equipspares.com/product/9w1tm48p4g01-sanyo-denki-48vdc-100mm-ip54-centrifugal-fan>

Product Description

The Sanyo Denki 9W1TM48P4G01 is a high-performance Centrifugal Fan engineered for demanding industrial applications requiring substantial static pressure and moisture resistance. Belonging to the San Ace 100W Splash Proof series, this unit utilizes advanced DC motor technology and a precision dual ball bearing architecture to ensure exceptional structural rigidity and operational longevity. The aerodynamic impeller design is optimized to deliver concentrated airflow in high-impedance systems, effectively overcoming back pressure where standard axial fans fail. Featuring an IP54 ingress protection rating, the 9W1TM48P4G01 is encapsulated to withstand dust and water splashing, ensuring reliable thermal management in harsh environments ranging from factory floors to outdoor telecommunications enclosures.

Model Number: 9W1TM48P4G01

Brand: Sanyo Denki (San Ace)

Product Type: Centrifugal Fan / Blower

Rated Voltage: 48VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 0.36 A

Power: 17.28 W

Rated Speed: 4300 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 51.2 CFM (87.0 m³/h / 1.45 m³/min)
Max. Static Pressure: 1.57 inH₂O (392 Pa / 40.0 mmH₂O)
Dimensions: 100mm x 25mm
Weight: 230 g
Life Expectancy: 40,000 Hours (60°C) / 70,000 Hours (40°C)
Ingress Protection: IP54 (Splash Proof)
Speed Control: PWM Control
Sensor Type: Pulse Sensor
Noise Level: 56 dB(A)
Insulation Class: Class E
Frame Material: Aluminum / Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Operating Temperature: -20°C to +70°C
Storage Temperature: -30°C to +70°C
Termination: Lead Wires
Protection: Locked Rotor Protection, Reverse Polarity Protection

The 9W1TM48P4G01 is specifically calibrated for equipment with high component density that restricts natural airflow. Common applications include industrial air purification systems, robotics control units, and CNC machinery where dust and moisture are prevalent. The 9W1TM48P4G01 is also frequently integrated into telecommunications cabinets and server racks, providing critical cooling to power supplies and processors. Its robust IP54 rating makes it a preferred choice for outdoor electronics and medical devices requiring consistent thermal stability under varying environmental conditions.

Supplemental Images

