109S078UL Sanyo Denki 200VAC 120x38mm High Temp Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 727515271957

Category: Axial & Centrifugal Fans

Price: **$23.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/109s078ul-sanyo-denki-200vac-120x38mm-high-temp-axial-fan

Product Description

The Sanyo Denki 109S078UL is a robust AC Axial Fan engineered for extreme industrial environments requiring superior thermal management and structural rigidity. Part of the renowned San Ace 120 series, this unit features a precision-balanced impeller housed within a high-durability aluminum die-cast frame, ensuring minimal vibration and exceptional reliability under continuous load. Utilizing advanced double ball bearing architecture, it delivers consistent performance and reduced thermal impedance. Specifically designed for challenging thermal conditions, this model offers a remarkable high-temperature resistance ceiling of 150°C, making it ideal for heat-intensive applications where standard cooling solutions fail. The motor design optimizes electrical efficiency while maintaining high airflow throughput across dual frequencies.

Model Number: 109S078UL
Brand: Sanyo Denki
Series: San Ace 120
Product Type: AC Axial Fan
Rated Voltage: 200 VAC
Frequency: 50 / 60 Hz
Voltage Range: 180 - 220 VAC
Input Power: 18 / 16 W
Rated Current: 0.12 / 0.1 A

Rated Speed: 2700 / 3100 RPM
Max. Air Flow: 88.3 / 102.4 CFM (2.5 / 2.9 m^3/min)
Max. Static Pressure: 6.8 / 8.2 mmH_2O (66.6 / 80.4 Pa)
Dimensions: 120 x 120 x 38 mm
Bearing Type: Double Ball Bearing
Frame Material: Aluminum Die-Cast
Termination: 2-Wire (Lead Wire)
Operating Temperature: -30°C to +150°C
Noise Level: 42 / 46 dB(A)
Weight: 550 g
Dielectric Strength: 1500 VAC for 1 minute
Insulation Resistance: 10 MΩ min. at 500 VDC
Motor Protection: Impedance Protection
Flammability Rating: UL94V-0
Mounting Orientation: Any

The 109S078UL is specifically engineered for deployment in high-thermal-stress environments such as industrial ovens, heat exchangers, and power generation equipment. Its robust construction allows for reliable integration into heavy-duty control panels, factory automation systems, and server racks operating in non-climate-controlled zones. The 109S078UL ensures critical component longevity in CNC machinery and welding equipment where elevated ambient temperatures would compromise standard cooling fans.

Supplemental Images