

EFE0381B1-Q020-F9B Sunon 12VDC 140x38mm 7.92W Axial Fan Datasheet



Brand: SUNON

SKU: [652069462391](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/efe0381b1-q020-f9b-sunon-12vdc-140x38mm-7-92w-axial-fan>

Product Description

The Sunon EFE0381B1-Q020-F9B is a high-capacity DC Axial Fan engineered for critical thermal management in dense industrial applications. Utilizing advanced motor technology and a precision ball bearing architecture, this unit delivers exceptional aerodynamic efficiency while maintaining structural rigidity under high static pressure loads. The fan features a specialized impeller design that minimizes turbulence and reduces thermal impedance within restricted enclosures. With a substantial power rating of 7.92W, it ensures sustained high-velocity airflow, making it an ideal solution for systems requiring reliable heat dissipation and long-term operational stability in harsh environments.

Model Number: EFE0381B1-Q020-F9B

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.66 A

Power Consumption: 7.92 W

Rated Speed: 3800 RPM

Bearing Type: Precision Dual Ball Bearing

Max. Air Flow: 208.2 CFM (353.7 m³/h / 5.89 m³/min)

Max. Static Pressure: 14.2 mmH₂O (139.2 Pa / 0.56 inH₂O)

Dimensions: 140 x 140 x 38 mm

Weight: 385 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 54.5 dB(A)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP54

Termination: 4-Wire Leads (Red +, Black -, Yellow Tach, Blue PWM)

Speed Control: PWM / Tachometer Output

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Dielectric Strength: 500VAC for 1 Minute

Insulation Resistance: 10M Ohms at 500VDC

Safety Approvals: UL, cUL, TUV, CE

Protection: Auto-Restart / Polarity Protection

Designed for high-demand infrastructure, the EFE0381B1-Q020-F9B excels in server rack cooling and telecommunications cabinets where consistent high-volume airflow is paramount. This model is frequently integrated into industrial automation power supplies and CNC machinery, providing necessary thermal regulation to prevent component failure. The EFE0381B1-Q020-F9B is also suitable for medical instrumentation and network storage systems requiring efficient heat evacuation and precise speed control via PWM.

Supplemental Images

