

9CRA0812P8G036 Sanyo Denki 12VDC 80x80x80mm Counter Rotating Fan Datasheet



Brand: Sanyo Denki

SKU: [995246834620](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

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<https://www.equipspares.com/product/9cra0812p8g036-sanyo-denki-12vdc-80x80x80mm-counter-rotating-fan>

Product Description

The Sanyo Denki 9CRA0812P8G036 is a specialized high-static pressure air mover belonging to the San Ace 80 CR (Counter Rotating) series. Designed for systems with high impedance, this unit features a dual-motor architecture with contra-rotating impellers that straighten airflow and significantly boost static pressure capabilities compared to single-stage counterparts. The 80x80x80mm chassis is constructed from flame-retardant plastics and houses precision dual ball bearings, ensuring structural rigidity and long-term operational stability under high-speed rotation. Engineered with a 12VDC drive system and PWM control capabilities, it delivers exceptional thermal management performance, optimizing the balance between aerodynamic efficiency and power consumption in critical industrial applications.

Model Number: 9CRA0812P8G036

Brand: Sanyo Denki

Product Type: Counter Rotating Axial Fan

Series: San Ace 80 CR

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 5.3 A

Power: 63.6 W

Rated Speed: 10500 / 9500 RPM (Inlet/Outlet)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 187.0 CFM (317.7 m³/h / 5.29 m³/min)

Max. Static Pressure: 96.5 mmH₂O (946 Pa / 3.80 inH₂O)

Dimensions: 80x80x80mm

Weight: 450 g

Frame Material: Plastics (UL94V-0)

Impeller Material: Plastics (UL94V-0)

Speed Control: PWM Control

Ingress Protection: IP54 (Optional)

Operating Temperature: -10 to +70°C

Storage Temperature: -30 to +70°C

Life Expectancy: 40,000 Hours (at 60°C)

Termination: Lead Wires

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

The 9CRA0812P8G036 is specifically engineered for high-density applications where back pressure is a significant challenge, such as automotive turbocharging auxiliary cooling and tightly packed server racks. Its ability to maintain high airflow against resistance makes the 9CRA0812P8G036 an ideal solution for telecommunications base stations, industrial controllers, and power supply units requiring forced air induction to prevent thermal throttling.

Supplemental Images

