

# SW175HD2 Sanju 24VDC 175mm Forward Curved Centrifugal Fan Datasheet



**SKU:** [693278664839](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$111.99**

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Product Page:

<https://www.equipspares.com/product/sw175hd2-sanju-24vdc-175mm-forward-curved-centrifugal-fan>

## Product Description

The Sanju SW175HD2 is a precision-engineered forward curved centrifugal fan designed for high-efficiency air movement in restricted spaces. Utilizing an advanced external rotor motor architecture, this unit delivers exceptional torque stability and thermal management under continuous load. The aerodynamic profile features a forward-curved impeller optimized to maximize static pressure while minimizing turbulence-induced noise. Constructed with robust materials to ensure structural rigidity, the SW175HD2 maintains low thermal impedance during operation. Its design integrates seamlessly into industrial filtration and ventilation systems, offering a reliable solution for demanding thermal regulation requirements.

Model Number: SW175HD2

Brand: Sanju

Product Type: Forward Curved Centrifugal Fan

Rated Voltage: 24VDC

Voltage Range: 16.0 - 28.0 VDC

Rated Current: 1.42 A

Power Input: 34 W

Rated Speed: 3100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 365.0 CFM (620.1 m<sup>3</sup>/h / 10.33 m<sup>3</sup>/min)

Max. Static Pressure: 48.5 mmH<sub>2</sub>O (475.6 Pa / 1.91 inH<sub>2</sub>O)

Dimensions: 175mm Diameter x 69mm Depth

Weight: 1.35 kg

Life Expectancy: 50,000 Hours at 40°C

Motor Type: DC External Rotor Motor

Impeller Material: Galvanized Steel

Housing Material: Die-Cast Aluminum

Insulation Class: Class B

Ingress Protection: IP44

Noise Level: 68 dBA

Operating Temperature: -20°C to +60°C

Storage Temperature: -40°C to +70°C

Speed Control: 0-10V / PWM Control Available

Termination: Lead Wires

Certifications: CE, RoHS, UL

The SW175HD2 is engineered for critical air filtration and ventilation environments requiring consistent static pressure. Frequently integrated into industrial air purifiers and clean room filtration units, this centrifugal blower ensures optimal airflow through dense filter media. The SW175HD2 is also widely utilized in telecommunications cabinet cooling, heat exchanger systems, and electronic equipment ventilation where space is limited but high-pressure airflow is non-negotiable. Its robust design makes it suitable for continuous duty in automated manufacturing equipment and server rack cooling solutions.

## Supplemental Images

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