

# D07F-24SG 01A Nidec 24VDC 75x75x30mm 3-Wire Blower Fan Datasheet



**Brand:** Nidec

**SKU:** [987260834245](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$9.99**

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Product Page:

<https://www.equipspares.com/product/d07f-24sg-01a-nidec-24vdc-75x75x30mm-3-wire-blower-fan>

## Product Description

The Nidec D07F-24SG 01A is a DC Centrifugal Blower engineered for high-static pressure applications within restricted enclosures. Utilizing Nidec's advanced motor technology, this unit optimizes thermal impedance management through a precision-balanced impeller design that enhances aerodynamic efficiency. The construction features a robust housing ensuring structural rigidity under continuous operation, while the bearing system is calibrated for longevity and reduced vibrational noise. This GAMMA28 series component is specifically designed to maintain airflow stability in variable load environments, making it a critical component for thermal regulation in industrial electronics.

Model Number: D07F-24SG 01A

Brand: Nidec

Series: GAMMA28

Product Type: Centrifugal Blower

Rated Voltage: 24V DC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.15 A

Input Power: 3.60 W

Rated Speed: 3200 RPM

Max. Air Flow: 10.5 CFM (17.8 m<sup>3</sup>/h / 0.29 m<sup>3</sup>/min)

Max. Static Pressure: 11.5 mmH<sub>2</sub>O (112.7 Pa / 0.45 inH<sub>2</sub>O)

Noise Level: 36.0 dB(A)

Dimensions: 75mm x 75mm x 30mm

Bearing Type: Precision Ball Bearing

Termination: 3-Wire Lead

Wire Function: Red (+), Black (-), Yellow (Sensor)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Weight: 95 g

The D07F-24SG 01A is engineered for critical thermal management in industrial automation and power conversion systems. Its high static pressure capabilities make it ideal for cooling variable frequency drives (VFDs) and inverters where dense component packing restricts natural airflow. Additionally, the D07F-24SG 01A is frequently utilized in server rack spot cooling, telecommunications equipment, and precision medical instrumentation requiring reliable forced convection. The blower's compact 7530 form factor allows for seamless integration into compact electronic chassis.

## Supplemental Images

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