

# KA8025-3000D24BPL RD-L RD-H KAKU 24V 80mm DC Axial Fan

**SKU:** KA8025-3000D24BPL

**Price:** \$15.87

**Categories:** Fans

**Tags:** KAKU

**Product Link:**

<https://www.electspares.com/product/ka8025-3000d24bpl-kaku-24vdc-80mm-dc-axial-fan/>

---

## Product Description

---

The KAKU KA8025-3000D24BPL is a high-performance 24VDC DC Axial Fan with dimensions of 80 x 80 x 25 mm, specifically engineered for mission-critical cooling in Industrial Frequency Converters and specialized ventilation systems. Driven by a high-torque brushless motor with precision dual ball bearings, this 80.0 g unit operates within a 14.0 - 27.6 VDC range, delivering a Max. Power Consumption of 1.92 W and a Max. Current Draw of 0.08 A at a rated speed of 3000 RPM. This High-performance unit features a 7-blade aerodynamic impeller designed for maximum static pressure, achieving a Max. Air Flow of 57.8 m<sup>3</sup>/h (34.0 CFM / 0.96 m<sup>3</sup>/min) and a Max. Static Pressure of 4.57 mmH<sub>2</sub>O (44.82 Pa / 0.18 inH<sub>2</sub>O). Featuring a maintenance-free structure and integrated RD (Rotation Detector) alarm signal output with RD-L and RD-H options, this IP54-rated fan is optimized for environments requiring high-pressure stability and real-time failure monitoring in industrial VFD and power electronics systems at the end.

KA8025-3000D24BPL Fan Parameters

Model Number: KA8025-3000D24BPL

Manufacturer: KAKU

Type: DC Axial Fan

Impeller Size: 80 mm

Dimensions: 80 x 80 x 25 mm

Weight: 80.0 g

Bearing Type: Dual ball bearing

Nominal Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Max. Current Draw: 0.08 A

Max. Power Consumption: 1.92 W

Rated Speed: 3000 RPM  
Max. Air Flow: 34.0 CFM (57.8 m<sup>3</sup>/h / 0.96 m<sup>3</sup>/min)  
Max. Static Pressure: 4.57 mmH<sub>2</sub>O (44.82 Pa / 0.18 inH<sub>2</sub>O)  
Working Air Flow: 57.8 m<sup>3</sup>/h  
Static Pressure Increase: 44.82 Pa  
Signal Option: RD-L (Active Low) / RD-H (Active High)  
Control / Signal Output: RD (Locked Rotor Alarm Signal)  
Motor Protection: Polarity and locked-rotor protection; Auto-restart  
Insulation Class: Class A  
Degree of Protection: IP54  
Electrical Hookup: 3-Wires (Lead wires, AWG#24)  
Number of Blades: 7  
Direction of Rotation: Clockwise (viewed toward rotor)  
Impeller Material: Thermoplastic PBT (UL 94V-0)  
Frame Material: Thermoplastic PBT (UL 94V-0)  
Sound Pressure Level: 44.0 dB(A)  
Service Life: 70,000 h (at 40 °C)  
Operating Temperature: -10 - +70 °C  
Standard Compliance: CE; UL; RoHS

#### Application

The KAKU KA8025-3000D24BPL axial fan is the primary cooling component for industrial frequency converters, control cabinet ventilation, and high-performance power supply units requiring locked-rotor alarm feedback and high-pressure stability in 24VDC environments.

## Additional Information

---

**Type:** KA8025-3000D24BPL/RD-L, KA8025-3000D24BPL/RD-H

## Product Images

---







---

Scan for product details:

