

# YM2405PKS1 Huaxia Hengtai 24VDC 50x50x20mm DC Axial Fan Datasheet



**SKU:** 762361149460

**Category:** Axial & Centrifugal Fans

**Price:** **\$10.99**

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Product Page:

<https://www.equipspares.com/product/ym2405pks1-huaxia-hengtai-24vdc-50x50x20mm-dc-axial-fan>

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## Product Description

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The Huaxia Hengtai YM2405PKS1 is a precision-engineered DC Axial Fan designed to mitigate thermal impedance in high-density electronic environments. Utilizing a robust Brushless DC motor architecture paired with a durable double ball bearing system, this unit ensures sustained operational stability and reduced friction coefficients over extended lifecycles. The impeller geometry is optimized to balance airflow against static pressure, maintaining aerodynamic efficiency within the compact 50x50x20mm form factor. Its housing offers structural rigidity essential for minimizing vibration-induced noise, making it a critical component for industrial thermal management solutions requiring reliable, continuous heat dissipation.

Model Number: YM2405PKS1

Brand: Huaxia Hengtai

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.08 A

Power: 1.92 W

Rated Speed: 4500 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 13.5 CFM (22.9 m<sup>3</sup>/h / 0.38 m<sup>3</sup>/min)

Max. Static Pressure: 3.8 mmH<sub>2</sub>O (37.2 Pa / 0.15 inH<sub>2</sub>O)

Dimensions: 50x50x20 mm

Weight: 25 g

Life Expectancy: 50,000 Hours (L10 at 40°C)

Termination: 2-Wire Lead

Housing Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Engineered for critical cooling tasks, the YM2405PKS1 fits seamlessly into compact chassis environments where space is at a premium but airflow cannot be compromised. Common deployment scenarios include server rack ventilation, industrial power supply cooling, and telecommunications equipment, where the YM2405PKS1 provides the necessary thermal exchange to prevent component degradation and ensure system reliability.

## Supplemental Images

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