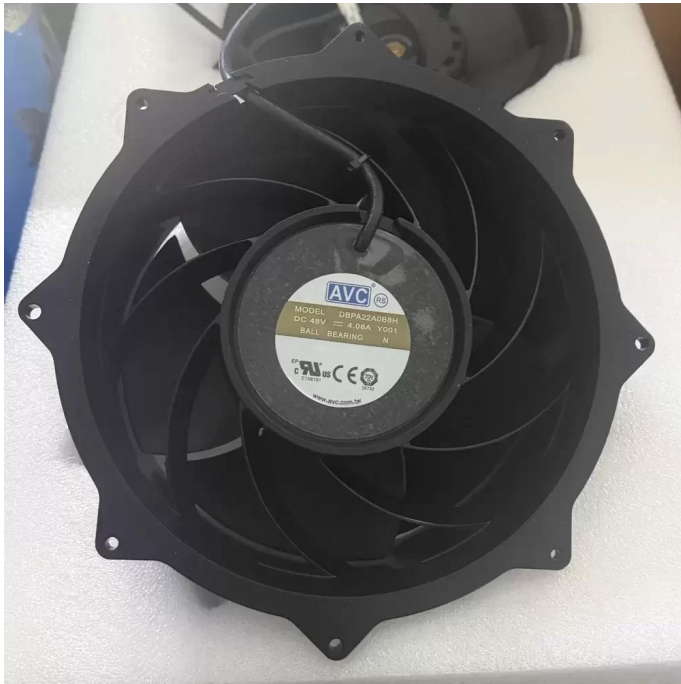


# DBPA22A0B8H-Y001 AVC 48VDC 225mm Waterproof Centrifugal Fan Datasheet



**Brand:** AVC

**SKU:** [1008806449716](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$42.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/dbpa22a0b8h-y001-avc-48vdc-225mm-waterproof-centrifugal-fan>

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## Product Description

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The AVC DBPA22A0B8H-Y001 is a high-capacity Centrifugal Fan engineered for demanding industrial thermal management and high-impedance systems. Featuring a robust aluminum die-cast frame and a precision-balanced motorized impeller, this unit ensures exceptional structural rigidity and vibration dampening under high-speed operation. The 48VDC motor utilizes advanced commutation electronics to deliver substantial airflow while maintaining optimized thermal impedance. Designed with specific ingress protection features, it offers reliability in harsh environments, making it suitable for critical cooling applications requiring sustained static pressure and durability against moisture and contaminants.

Model Number: DBPA22A0B8H-Y001

Brand: AVC (Asia Vital Components)

Product Type: Centrifugal Fan / Blower

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 57.0 VDC

Rated Current: 4.08 A

Power Input: 195.8 W

Rated Speed: 3800 RPM

Max. Air Flow: 720.0 CFM (1223 m<sup>3</sup>/h / 20.3 m<sup>3</sup>/min)

Max. Static Pressure: 3.85 inH<sub>2</sub>O (958 Pa / 97.7 mmH<sub>2</sub>O)

Dimensions: 225 x 225 x 80 mm  
Bearing Type: Dual Ball Bearing  
Frame Material: Aluminum Die-Cast  
Impeller Material: Reinforced Plastic UL94V-0  
Ingress Protection: Waterproof (IP Rated)  
Noise Level: 68.5 dB(A)  
Termination: Lead Wires  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Life Expectancy: 70,000 Hours at 40°C  
Weight: 1.85 kg  
Mounting Orientation: Any  
Safety Certifications: CE, UL, TUV

The DBPA22A0B8H-Y001 is frequently deployed in telecommunications infrastructure and large-scale server cabinets where high static pressure is required to overcome significant system resistance. Industrial automation systems utilize the DBPA22A0B8H-Y001 for active cooling of variable frequency drives, power inverters, and CNC machinery. Additionally, this model serves effectively in outdoor enclosures and renewable energy inverters due to its robust aluminum construction and waterproof capabilities, ensuring consistent performance in challenging environmental conditions.

## Supplemental Images

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