

DATASHEET

Product Identification

- **Manufacturer:** TOSHIBA
 - **Part Number:** PC50050P309
 - **Product Type:** Cooling Fan Assembly (VFD / Industrial Drive)
 - **OEM Fan Model:** R4E280-AD08-13
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Product Description

The TOSHIBA PC50050P309 is a high-performance cooling fan assembly designed for use in industrial variable frequency drives (VFDs). Engineered to provide efficient thermal management, this fan ensures reliable heat dissipation for power electronics, helping maintain optimal drive performance and extending equipment lifespan.

Key Features

- High-efficiency airflow for effective heat dissipation
 - Designed for continuous-duty industrial applications
 - Direct replacement for Toshiba drive cooling systems
 - Robust construction for long service life
 - Optimized for medium to high power drive units
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Technical Specifications

- **Rated Voltage:** 230 VAC
- **Fan Type:** Motorized Impeller (Centrifugal)
- **Diameter:** 280 mm
- **Width:** 125 mm
- **Power Consumption:** ~105 W

- **Airflow:** ~991 CFM (27.7 m³/min)
 - **Bearing Type:** Ball Bearing
 - **Noise Level:** ~67 dB(A)
 - **Connection:** 2-wire leads
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Applications

- Variable Frequency Drives (VFDs)
 - Industrial motor control systems
 - Power electronics cooling
 - HVAC and air handling units
 - Automation and process industries
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Compatibility

Used in Toshiba drive systems typically within the **66–200 kW range**.

Benefits

- Maintains optimal operating temperature
 - Reduces risk of overheating and system failure
 - Enhances reliability of critical drive components
 - Supports long-term operational efficiency
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Notes

This part is supplied as an OEM replacement component for Toshiba industrial drives. Specifications are based on the original fan model integrated into the assembly.
