

MRS18-DUL ORIX 200-230VAC 180mm Large Airflow AC Fan Datasheet



Brand: ORIX

SKU: 902361845883

Category: Axial & Centrifugal Fans

Price: **\$120.99**

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Product Page:

<https://www.equipspares.com/product/mrs18-dul-orix-200-230vac-180mm-large-airflow-ac-fan>

Product Description

The ORIX MRS18-DUL is a robust AC Axial Fan engineered for high-demand industrial thermal management applications. Utilizing a high-efficiency single-phase induction motor, this unit delivers exceptional airflow through its aerodynamically optimized impeller design, significantly reducing thermal impedance within enclosed systems. The chassis features a heavy-duty die-cast aluminum construction, ensuring superior structural rigidity and effective heat dissipation under continuous operation. Designed with precision ball bearings and a balanced rotor assembly, the MRS18-DUL maintains mechanical stability across varying load conditions. Its electromagnetic design minimizes vibration while maximizing torque, making it an ideal solution for critical cooling architectures requiring long-term reliability and consistent static pressure performance.

Model Number: MRS18-DUL

Brand: ORIX (Oriental Motor)

Product Type: AC Axial Fan

Rated Voltage: 200 - 230 VAC

Voltage Range: 200.0 - 230.0 VAC

Frequency: 50 / 60 Hz

Phase: 1-Phase

Rated Current (50Hz): 0.4 A

Rated Current (60Hz): 0.5 A

Input Power (50Hz): 54.5 W
Input Power (60Hz): 70 W (at 200V) / 77 W (at 230V)
Rated Speed: 2800 RPM (50Hz) / 3250 RPM (60Hz)
Max. Air Flow: 424 CFM (12.0 m³/min)
Max. Static Pressure: 19.6 mmH₂O (192 Pa / 0.77 inH₂O)
Dimensions: 180 x 180 x 90 mm
Bearing Type: Ball Bearing
Weight: 2.5 kg
Termination: 2-Wire (Lead Wire Type)
Frame Material: Aluminum Die-Cast
Impeller Material: Polycarbonate (Glass Fiber Reinforced)
Operating Temperature: -10°C to +60°C
Insulation Class: Class E
Ingress Protection: IP20
Motor Protection: Thermal Protector (Built-in)
Dielectric Strength: 1500 VAC for 1 minute
Insulation Resistance: 100 MΩ min. at 500 VDC
Mounting Orientation: Vertical or Horizontal

The MRS18-DUL is specifically calibrated for large-scale industrial equipment such as control cabinets, power supply units, and heavy-duty inverters where heat density is significant. Manufacturers of CNC machinery and laser cutting systems frequently integrate the MRS18-DUL to ensure optimal operating temperatures for sensitive electronic components. Additionally, this model serves effectively in server room ventilation and heat exchanger systems, providing the necessary air volume to prevent thermal throttling in continuous-duty environments.

Supplemental Images

