

5015A DC axial flow fan

5015A DC Axial Flow Fan — 50.0 × 50.0 × 15.0 mm

★ Structural Features

Frame & Blade Material

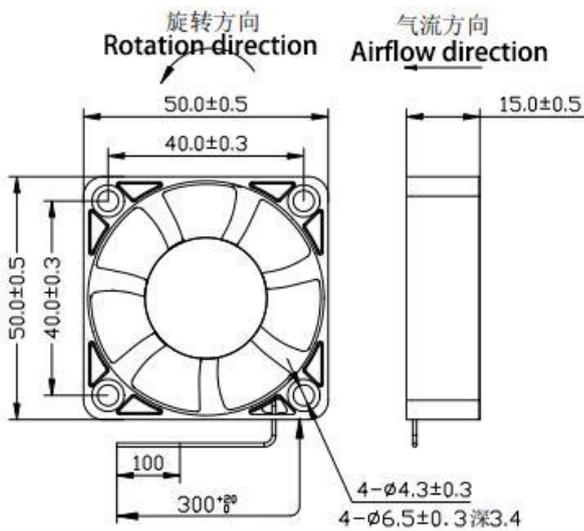
- Frame: Engineering Plastic
- Impeller: Engineering Plastic

Bearing Structure: Dual Ball Bearings

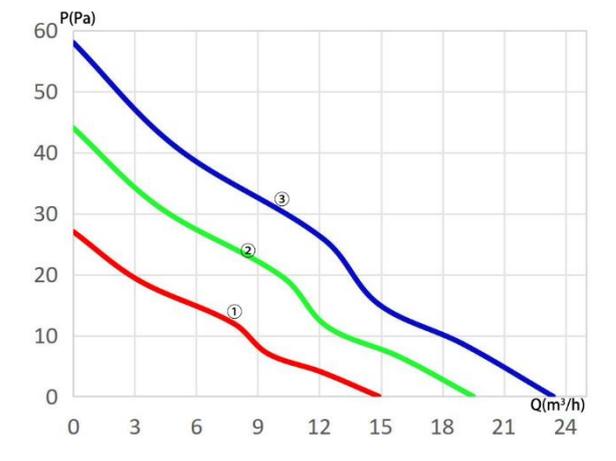
Weight: 32.0 g



★ Mechanical Dimensions



★ Airflow Performance Curve



Basic Fan Specifications

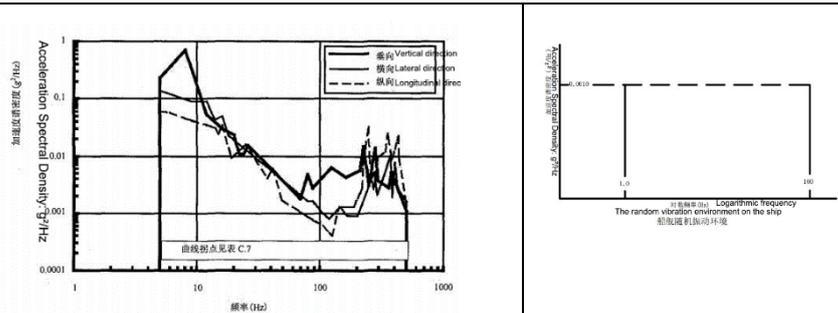
| Model | Voltage (V) | Operating Voltage Range (V) | Power (W) | Speed (RPM) | Airflow (m³/h) | Static Pressure (Pa) | Noise (dBA) | Curve |
|-----------------|-------------|-----------------------------|-----------|-------------|----------------|----------------------|-------------|-------|
| J50FZW145-15A00 | 12 | 8.0~13.8 | 0.36 | 4500 | 14.9 | 27.0 | 30.8 | ① |
| J50FZW160-15A00 | 12 | 8.0~13.8 | 0.5 | 6000 | 19.5 | 44.0 | 37.1 | ② |
| J50FZW175-15A00 | 12 | 8.0~13.8 | 1.33 | 7500 | 23.4 | 58.0 | 41.9 | ③ |
| J50FZW245-15A00 | 24 | 16.0~27.6 | 0.36 | 4500 | 14.9 | 27.0 | 30.8 | ① |
| J50FZW260-15A00 | 24 | 16.0~27.6 | 0.5 | 6000 | 19.5 | 44.0 | 37.1 | ② |
| J50FZW275-15A00 | 24 | 16.0~27.6 | 1.33 | 7500 | 23.4 | 58.0 | 41.9 | ③ |
| J50FZW345-15A00 | 28 | 18.0~32.0 | 0.36 | 4500 | 14.9 | 27.0 | 30.8 | ① |
| J50FZW360-15A00 | 28 | 18.0~32.0 | 0.5 | 6000 | 19.5 | 44.0 | 37.1 | ② |
| J50FZW375-15A00 | 28 | 18.0~32.0 | 1.33 | 7500 | 23.4 | 58.0 | 41.9 | ③ |

- **Notes:** Available voltage options: **5V, 12V, 24V, 28V, 48V**
- In the model number, the **second digit from the end "0"** indicates the **signal function**, and the **last digit "0"** indicates the **environmental performance rating**.
- Users may select according to actual requirements based on **Table 1** and **Table 2**.

Table 1: Signal Functions

| Signal function code | 0 | 1 | 2 | 3 | 4 | 5 |
|----------------------|-------------|------------------------------|------------------------|---------------------------|---|--|
| Function Description | No Function | PWM Duty Cycle Speed Control | High-Level Fault Alarm | Tachometer (RPM) Feedback | PWM Duty Cycle Control + High-Level Fault Alarm | PWM Duty Cycle Control + Tachometer Feedback |

Table 2: Environmental Adaptability Ratings

| Code | Application Standard | 0 (Ground / Vehicle-Mounted) | 1 (Marine / Naval Applications) |
|-------------------------------------|----------------------|---|---------------------------------|
| High Temperature | GJB150.3A-2009 | Storage: 80°C, Operation: 75°C | |
| Low Temperature | GJB150.4A-2009 | Storage: -50°C, Operation: -40°C | |
| Rain / Water Ingress | GJB150.8A-2009 | Enhanced, 1 hour per surface | |
| Damp Heat (Humidity) | GJB150.9A-2009 | Cyclic humidity: 30°C-60°C, RH 95%±5%, 24h per cycle, 10 cycles | |
| Fungus Resistance | GJB150.10A-2009 | Fungus group 1 or group 2, 28 days | |
| Salt Spray | GJB150.11A-2009 | Neutral salt spray 192 hours | Acidic Salt Spray, 192 hours |
| Sand & Dust | GJB150.12A-2009 | Blowing sand and dust test | |
| Acceleration | GJB150.15A-2009 | Three-axis, six-direction; Performance test level: 9g, Structural test level: 13.5g | |
| Shock | GJB150.18A-2009 | Three-axis, six-direction, 18 shocks total, 20g | |
| Low Air Pressure | GJB150.2A-2009 | / | |
| Acidic Atmosphere | GJB150.28A-2009 | / | |
| EMC (Electromagnetic Compatibility) | GJB151B-2013 | / | |
| Power Supply Characteristics | GJB181B-2012 | / | |
| Vibration | GJB150.16A-2009 |  <p>The left graph is a line plot of Acceleration Spectral Density (g²/Hz) vs. Frequency (Hz) on a log-log scale. It shows three curves: Vertical direction (solid line), Lateral direction (dashed line), and Longitudinal direction (dotted line). The curves show peaks around 10 Hz and 100 Hz. The right graph is a step function plot of Acceleration Spectral Density (g²/Hz) vs. Logarithmic frequency (Hz) on a semi-log scale, showing a constant level of 0.001 g²/Hz between 1 Hz and 100 Hz.</p> | |