

4028C DC axial flow fan

4028C DC Axial Flow Fan — 40.0 × 40.0 × 28.0 mm

★ Structural Features

Frame & Blade Material

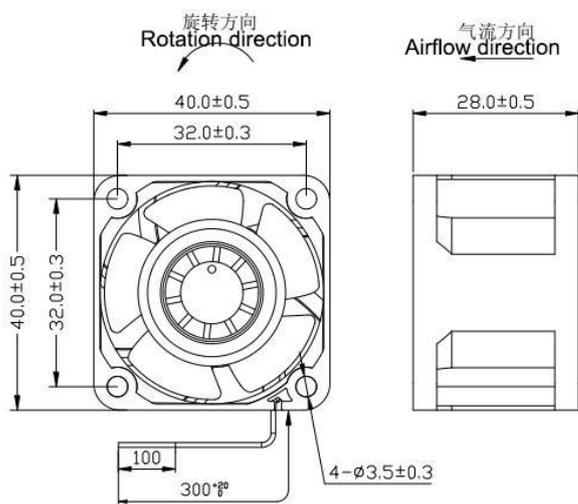
- Frame: Aluminum alloy
- Impeller: Aluminum alloy

Bearing Structure: Dual Ball Bearings

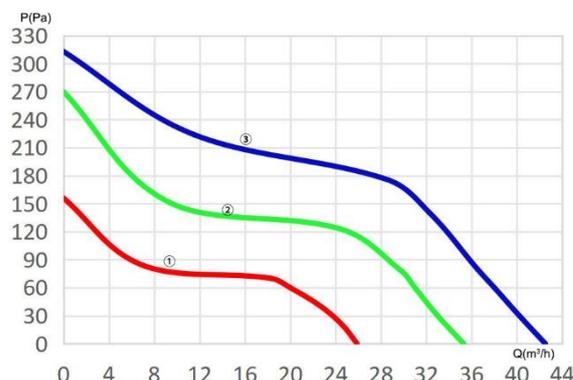
Weight: 62.0 g



★ 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 |
|-----------------|-------------|-----------------------------|-----------|-------------|----------------|----------------------|-------------|-------|
| J40FZW1J3-28C00 | 12 | 8.0~13.8 | 2.6 | 13000 | 24.4 | 188.5 | 48.9 | ① |
| J40FZW1J8-28C00 | 12 | 8.0~13.8 | 6.9 | 18000 | 33.8 | 361.3 | 56.0 | ② |
| J40FZW1K5-28C00 | 12 | 8.0~13.8 | 11.2 | 25000 | 46.9 | 697.0 | 63.1 | ③ |
| J40FZW2J3-28C00 | 24 | 16.0~27.6 | 2.6 | 13000 | 24.4 | 188.5 | 48.9 | ① |
| J40FZW2J8-28C00 | 24 | 16.0~27.6 | 6.9 | 18000 | 33.8 | 361.3 | 56.0 | ② |
| J40FZW2K5-28C00 | 24 | 16.0~27.6 | 11.2 | 25000 | 46.9 | 697.0 | 63.1 | ③ |
| J40FZW3J3-28C00 | 28 | 18.0~32.0 | 2.6 | 13000 | 24.4 | 188.5 | 48.9 | ① |
| J40FZW3J8-28C00 | 28 | 18.0~32.0 | 6.9 | 18000 | 33.8 | 361.3 | 56.0 | ② |
| J40FZW3K5-28C00 | 28 | 18.0~32.0 | 11.2 | 25000 | 46.9 | 697.0 | 63.1 | ③ |

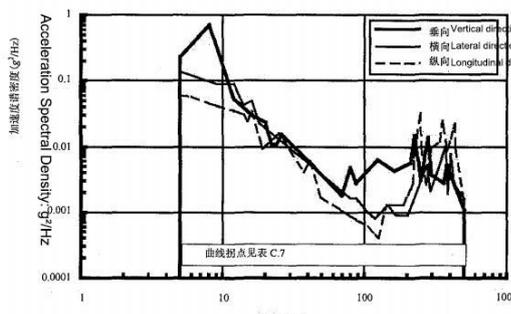
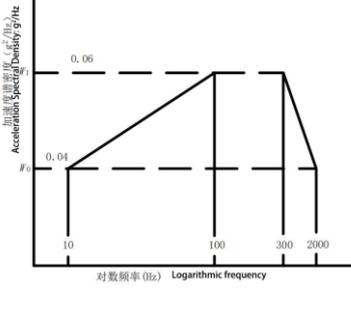
Notes:

- 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**.
- Available voltage options: **5V, 12V, 24V, 28V, 48V**

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) | 2 (Airborne Applications) | |
|-------------------------------------|----------------------|--|---------------------------------|---|--|
| High Temperature | GJB150.3A-2009 | Storage: 80°C, Operation: 75°C | | Storage: 95°C, Operation: 85°C | |
| Low Temperature | GJB150.4A-2009 | Storage: -50°C, Operation: -40°C | | Storage: -60°C, Operation: -55°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 | | Three-axis, six-direction, 18 shocks total, 40g | |
| Low Air Pressure | GJB150.2A-2009 | / | | 1.06kPa | |
| Acidic Atmosphere | GJB150.28A-2009 | / | | Spray 2h + storage 22h per cycle, 3 cycles | |
| EMC (Electromagnetic Compatibility) | GJB151B-2013 | Comply with RE102 and CE102 | | | |
| Power Supply Characteristics | GJB181B-2012 | / | | Abnormal Overvoltage 80V/50ms | |
| Vibration | GJB150.16A-2009 |  | |  | |