

# 9238D DC axial flow fan

9238D DC Axial Flow Fan — 92.0 × 92.0 × 38.0 mm

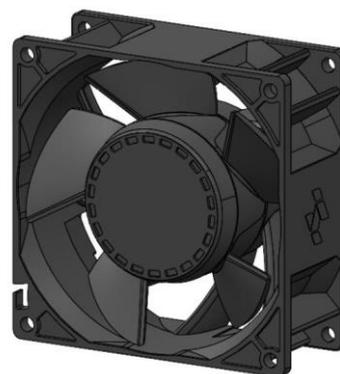
## ★ Structural Features

### Frame & Blade Material

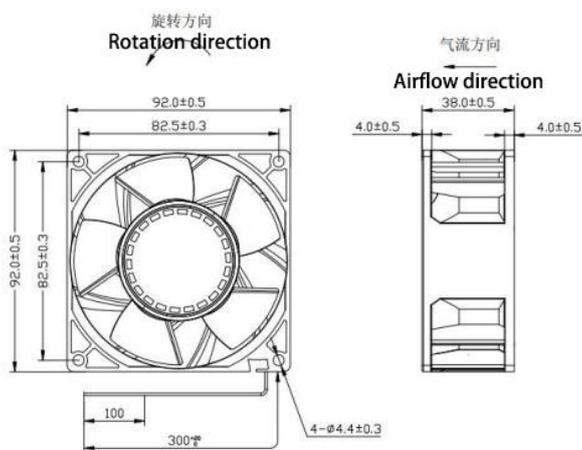
- Frame: Aerospace Plastic
- Impeller: Aerospace Plastic

Bearing Structure: Dual Ball Bearings

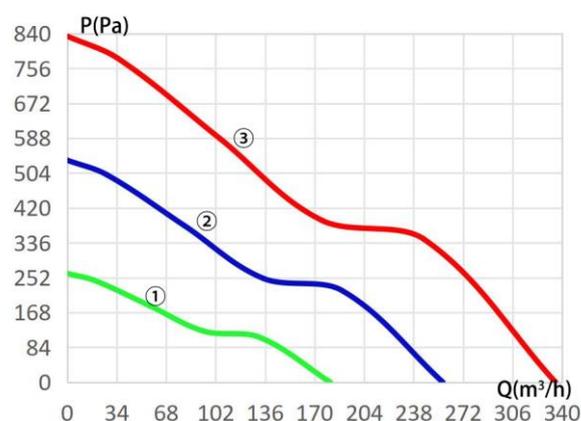
Weight: 255.0 g



## ★ Mechanical Dimensions



## ★ Airflow Performance Curve



## Basic Fan Specifications

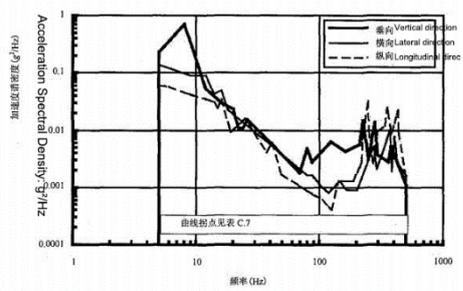
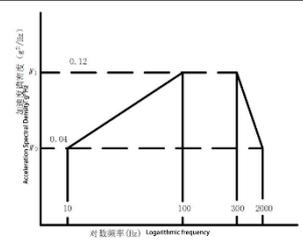
| Model           | Voltage (V) | Operating Voltage Range (V) | Power (W) | Speed (RPM) | Airflow (m³/h) | Static Pressure (Pa) | Noise (dBA) | Curve |
|-----------------|-------------|-----------------------------|-----------|-------------|----------------|----------------------|-------------|-------|
| J92FZW170-38D00 | 12          | 8.0~13.8                    | 9.6       | 7000        | 180.7          | 262.0                | 63.2        | ①     |
| J92FZW1J0-38D00 | 12          | 8.0~13.8                    | 28.0      | 10000       | 258.1          | 535.0                | 70.9        | ②     |
| J92FZW1J3-38D00 | 12          | 8.0~13.8                    | 61.6      | 13000       | 335.5          | 834.0                | 76.6        | ③     |
| J92FZW270-38D00 | 24          | 16.0~27.6                   | 9.6       | 7000        | 180.7          | 262.0                | 63.2        | ①     |
| J92FZW2J0-38D00 | 24          | 16.0~27.6                   | 28.0      | 10000       | 258.1          | 535.0                | 70.9        | ②     |
| J92FZW2J3-38D00 | 24          | 16.0~27.6                   | 61.6      | 13000       | 335.5          | 834.0                | 76.6        | ③     |
| J92FZW370-38D00 | 28          | 18.0~32.0                   | 9.6       | 7000        | 180.7          | 262.0                | 63.2        | ①     |
| J92FZW3J0-38D00 | 28          | 18.0~32.0                   | 28.0      | 10000       | 258.1          | 535.0                | 70.9        | ②     |
| J92FZW3J3-38D00 | 28          | 18.0~32.0                   | 61.6      | 13000       | 335.5          | 834.0                | 76.6        | 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) | 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;<br>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, <b>3 cycles</b>                                     |  |
| EMC (Electromagnetic Compatibility) | GJB151B-2013         | Comply with RE102 and CE102  |                                 |   |  |
| Power Supply Characteristics        | GJB181B-2012         | /  |                                 | Abnormal Overvoltage 80V/50ms   |  |
| Vibration                           | GJB150.16A-2009      |    |                                 |  |  |