

12038C DC axial flow fan

12038C DC Axial Flow Fan — 120.0 × 120.0 × 38.0 mm

★ Structural Features

Frame & Blade Material

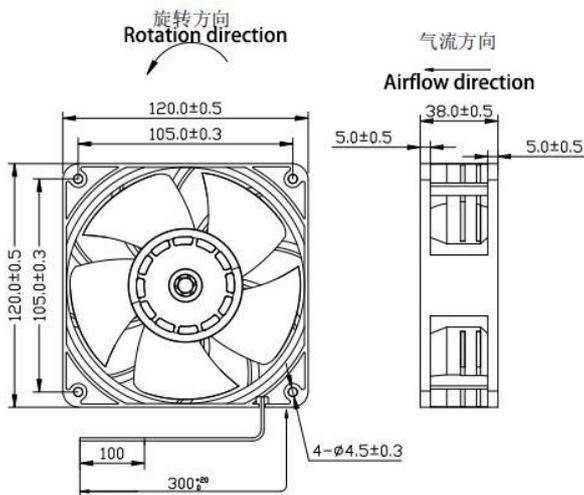
- Frame: Aluminum Alloy
- Impeller: Engineering Plastic

Bearing Structure: Dual Ball Bearings

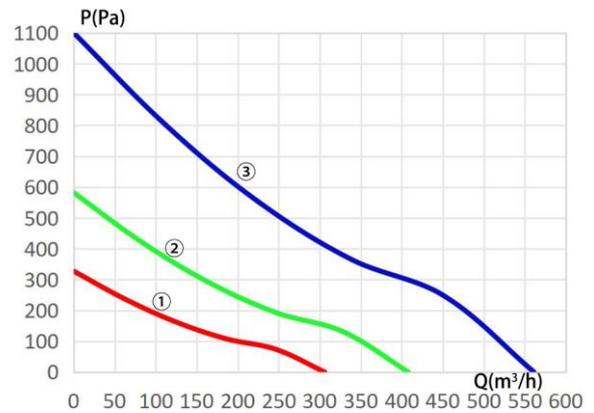
Weight: 440.0 g



★ 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
J120FZW160-38C00	12	8.0~13.8	17.1	6000	306.1	327.4	62.0	①
J120FZW180-38C00	12	8.0~13.8	32.3	8000	408.1	582.1	69.8	②
J120FZW260-38C00	24	16.0~27.6	17.1	6000	306.1	327.4	62.0	③
J120FZW280-38C00	24	16.0~27.6	32.3	8000	408.1	582.1	69.8	①
J120FZW2J1-38C00	24	16.0~27.6	100.8	11000	561.2	1100.5	77.2	②
J120FZW360-38C00	28	18.0~32.0	17.1	6000	306.1	327.4	62.0	③
J120FZW380-38C00	28	18.0~32.0	32.3	8000	408.1	582.1	69.8	①
J120FZW3J1-38C00	28	18.0~32.0	100.8	11000	561.2	1100.5	77.2	②

- **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; 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	/		6.3kPa	
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 50V/50ms	
Vibration	GJB150.16A-2009	