

12038B DC axial flow fan

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



★ Structural Features

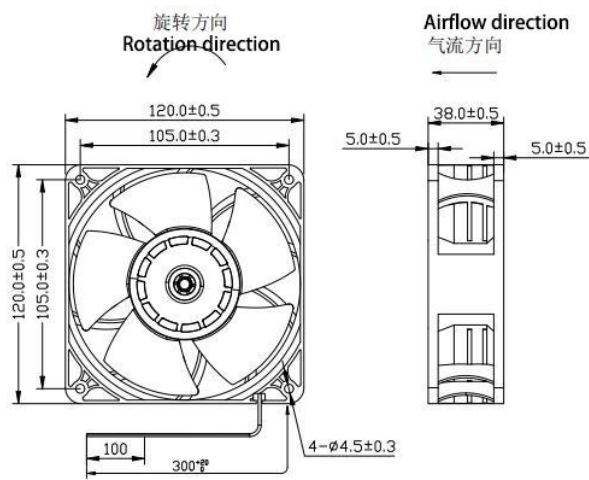
Frame & Blade Material

- Frame: Engineering Plastic
- Impeller: Engineering Plastic

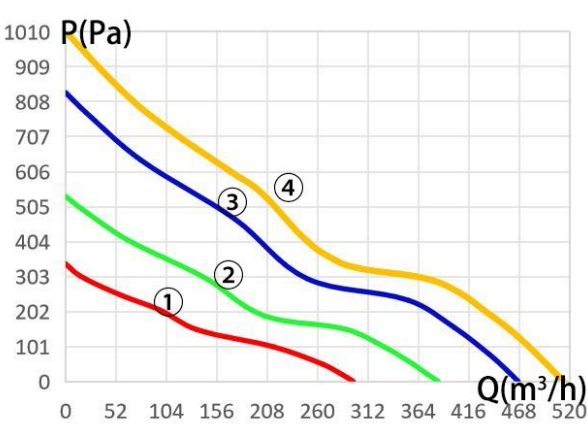
Bearing Structure: Dual Ball Bearings

Weight: 335.0 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
J120FZW160-38B00	12	8.0~13.8	17.4	6000	297.2	340.0	62.0	①
J120FZW180-38B00	12	8.0~13.8	36.4	8000	384.8	535.0	69.8	②
J120FZW260-38B00	24	16.0~27.6	17.4	6000	297.2	340.0	62.0	①
J120FZW280-38B00	24	16.0~27.6	36.4	8000	384.8	535.0	69.8	②
J120FZW2J0-38B00	24	16.0~27.6	71.4	10000	467.2	834.7	75.1	③
J120FZW360-38B00	28	18.0~32.0	17.4	6000	297.2	340.0	62.0	①
J120FZW380-38B00	28	18.0~32.0	36.4	8000	384.8	535.0	69.8	②
J120FZW3J0-38B00	28	18.0~32.0	71.4	10000	467.2	834.7	75.1	③
J120FZW4J1-38B00	48	32.0 ~ 56.0	95.0	11000	513.9	1010.0	77.2	④

- **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, 30g
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	