

# 5020A DC axial flow fan

5020A DC Axial Flow Fan — 50.0 × 50.0 × 20.0 mm

## ★ Structural Features

### Frame & Blade Material

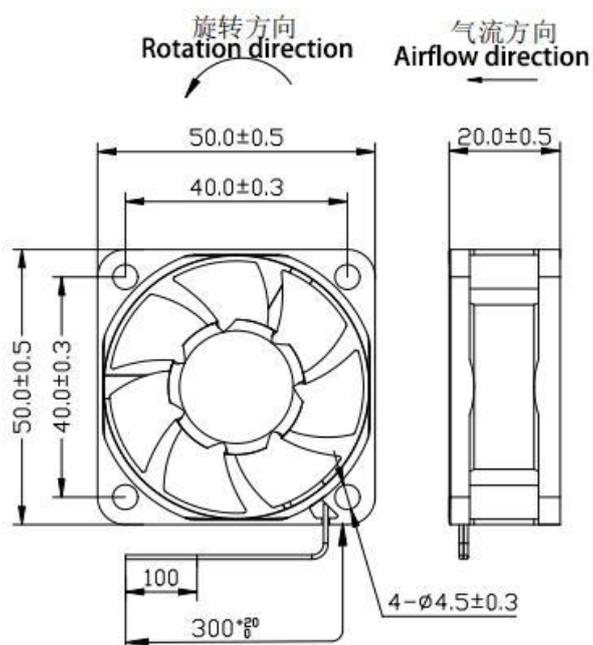
- Frame: Engineering Plastic
- Impeller: Engineering Plastic

Bearing Structure: Dual Ball Bearings

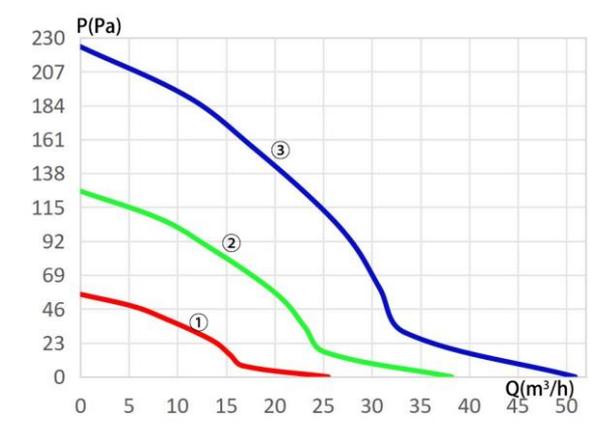
Weight: 42.0 g



## ★ 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
J50FZW160-20A00	12	8.0~13.8	1.5	6000	25.5	56.0	41.0	①
J50FZW190-20A00	12	8.0~13.8	3.9	9000	38.2	126.0	52.0	②
J50FZW1J2-20A00	12	8.0~13.8	8.4	12000	50.9	224.0	59.1	③
J50FZW260-20A00	24	16.0~27.6	1.5	6000	25.5	56.0	41.0	①
J50FZW290-20A00	24	16.0~27.6	3.9	9000	38.2	126.0	52.0	②
J50FZW2J2-20A00	24	16.0~27.6	8.4	12000	50.9	224.0	59.1	③
J50FZW360-20A00	28	18.0~32.0	1.5	6000	25.5	56.0	41.0	①
J50FZW390-20A00	28	18.0~32.0	3.9	9000	38.2	126.0	52.0	②
J50FZW3J2-20A00	28	18.0~32.0	8.4	12000	50.9	224.0	59.1	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		