



FPV Dynamo FS2004 Brushless DC Motor IN 1.5mm Shaft Diameter

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: Dynamo FS2004 2950KV-6S 3500KV-6S
- Price: Negotiable



Product Specification

- Motor Model: Dynamo Fs2004 V1.0
- Motor Size: D:24.3 X 17.25 Mm
- Propeller Mounting Holes: D:5 M2X2 D:6 M2X2
- Shaft Diameter: IN: 1.5 Mm
- Motor Number Of Slots: 12N14P
- Rotor Balance: ≤ 5 Mg
- Motor Balance: D:12 M2x4
- Cable Length: 130 Mm 24# Awg(Black) Silicone
- Highlight: 2004 Brushless DC Motor,
FPV Dynamo Brushless DC Motor,
FPV Dynamo FS2004 Brushless DC Motor



More Images



Product Description

FPV Dynamo FS2004 Brushless DC Motorfor

The FS series of MAD FPV brushless motors is designed for freestyle flying. The development process involved six months of rigorous testing, resulting in refined aesthetics and functionality.

The main difference between the FS and BSC series is the superior quality of the materials used.

1. titanium shaft;
2. 0.15mm silicon steel sheet;
- 3.High temperature magnets;
- 4.Secondary anodizing.

Brushless DC motors: Like other brushless motors, the FS2204 has better efficiency, life and power to weight ratio compared to brushed motors. This makes it an excellent choice for FPV drones, where these qualities are crucial for performance.

DYNAMO FS2004

ENERGY EFFICIENT 2950KV
ENTHUSIASTS EXTREME EDITION

17.2g 896gf

OPTIMIZED
WEIGHT



MAXIMUM
THRUST

MAXIMUM THRUST MAY DEPEND ON
BATTERY LEVEL, PROPELLER TYPE,
AIR PRESSURE AND OTHER CONDITIONS



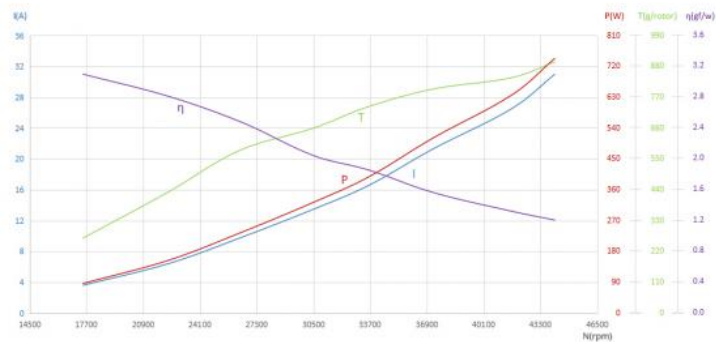
MAD Dynamo FS2004 2950KV GF-D76R5B

6S

Analytical Graph of Motor Operation

I - Current, P - Input Power, η - Electrical Efficiency, T - Thrust, N - Rotational Speed

The data above was measured with an input voltage of 24 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.

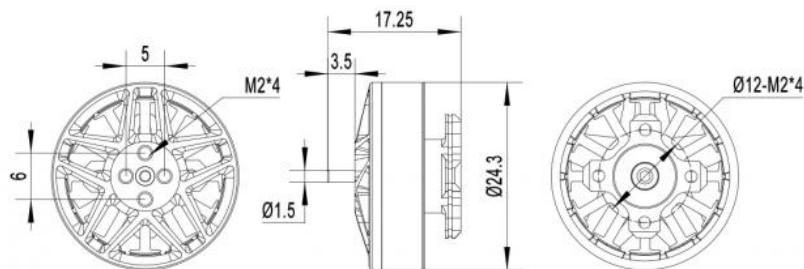


Motor Data

Motor Model	MAD Dynamo FS2004 V1.0	Number of pole pairs	7
Stator	Anticorrosive	Varnished wire Degree	220°C
Motor Size	D:24.3 × 17.25 mm	Magnet Degree	150°C
Propeller Mounting Holes	D:5 M2X2 D:6 M2X2	Cable Length	130 mm 24# Awg(Black) silicone
Shaft Diameter	IN: 1.5 mm	Motor Mounting Holes	D:12 M2×4
Bearing	MR83 ZZ *2	Disruptive test	500 V
Additional Accessories	M2*6mm *4 Motor Screws, M2*8mm *2 Motor Screws, MAD Sticker*6		

Specifications

RPM/V	2950KV	Nominal Voltage	6S
No Load Current	1.1A / 10V	Internal resistance	65.8mΩ
Motor Weight	17.2 g	Product Boxed Weight	25.7g (50 x 50 x 40 mm)
Maximum Current	31 A	Maximum Power	744W
Maximum thrust	896 g	Maximum Torque	



MAD Dynamo FS2004 2950KV GF-D76R5B

6S

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	RPM	Thrust [gf]	Efficiency [g/W]	MAX
30	24.00	3.59	86.2	17512	267	3.1	
40	24.00	6.38	153.1	22296	431	2.8	
50	24.00	9.79	235.0	26422	582	2.5	
60	24.00	13.52	324.5	30571	661	2.0	
70	24.00	16.49	395.8	33566	736	1.9	
80	24.00	21.24	509.8	37213	799	1.6	
90	24.00	26.61	638.6	41749	841	1.3	
100	24.00	30.98	743.5	44115	896	1.2	

DYNAMO FS2004

DYNAMO FS2004

ENERGY EFFICIENT 3500KV
ENTHUSIASTS EXTREME EDITION

17.2g

OPTIMIZED
WEIGHT

909gf



MAXIMUM
THRUST

MAXIMUM THRUST MAY DEPEND ON
BATTERY LEVEL, PROPELLER TYPE,
AIR PRESSURE AND OTHER CONDITIONS



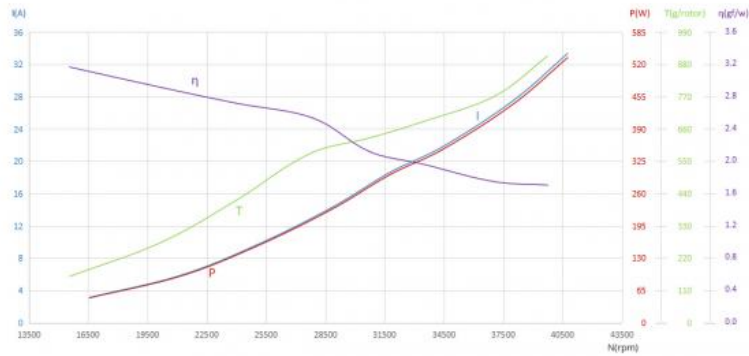
MAD Dynamo FS2004 3500KV GF-D76R5B

4S

Analytical Graph of Motor Operation

I – Current, P – Input Power, η – Electrical Efficiency, T – Thrust, N – Rotational Speed

The data above was measured with an input voltage of 16 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.

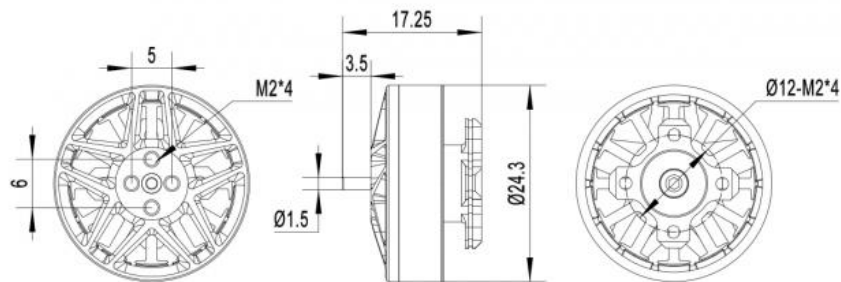


Motor Data

Motor Model	MAD Dynamo FS2004 V1.0	Number of pole pairs	7
Stator	Anticorrosive	Varnished wire Degree	220°C
Motor Size	D:24.3 x 17.25 mm	Magnet Degree	150°C
Propeller Mounting Holes	D:5 M2X2 D:6 M2X2	Cable Length	130 mm 24# Awg(Black) silicone
Shaft Diameter	IN: 1.5 mm	Motor Mounting Holes	D:12 M2x4
Bearing	MR83 ZZ *2	Disruptive test	500 V
Additional Accessories	M2*6mm *4 Motor Screws, M2*8mm *2 Motor Screws, MAD Sticker*6		

Specifications

RPM/V	3500KV	Nominal Voltage	6S
No Load Current	1.3A / 10V	Internal resistance	44mΩ
Motor Weight	17.2 g	Product Boxed Weight	25.7g (50 x 50 x 40 mm)
Maximum Current	33.4 A	Maximum Power	534W
Maximum thrust	909 g	Maximum Torque	



MAD Dynamo FS2004 3500KV GF-D76R5B

4S

Throttle (%)	Voltage [V]	Current [A]	Input Power [W]	RPM	Thrust [gf]	Efficiency [gf/W]	MAX
30	16.00	3.10	49.6	16568	157	3.2	
40	16.00	5.86	93.8	21196	273	2.9	
50	16.00	9.54	152.6	24962	415	2.7	
60	16.00	14.25	228.0	28825	579	2.5	
70	16.00	18.68	298.9	31823	631	2.1	
80	16.00	21.71	347.4	34378	683	2.0	
90	16.00	27.58	441.3	38042	771	1.7	
100	16.00	33.36	533.8	40758	909	1.7	

Our Services

1. We provide 1 Year Warranty. Buy with confidence.
2. If you are not satisfied when you receive your item, please return it within 14 days for a replacement or money back. Please contact me before you return it.
3. If item is defective in 3 months, We will send you a replacement without extra charger, or offer refund after we receive the defective item.
4. If item is defective after 3 months, you can still send it back to us. We will send you a new one after receiving the defective item. But you have to pay the extra shipping fee.



FAQ

Q1: Do you support OEM/ODM?

A1: Yes. We can print your logo on the product.

Q2: About samples.

A2: Under normal circumstances, samples will be ready within 7 days, and 10-20 days for OEM/ODM orders. Sample fee and shipping will be charged.

Q3: What is the delivery time?

A3: For regular orders, we can ship within 15 days, for OEM/ODM, we can ship within 25-45 days (depending on the quantity). In the event of delays, we will notify you in advance of the status and resolution.

Q4: What is the minimum order quantity?

A4: There is no MOQ for wholesale (1 piece accepted), including OEM/ODM.

Q5: What are your payment terms?

A5: L/C.TT100%.

Q6: Can you reduce the shipping cost?

A6: When calculating the shipping cost for you, we always choose the cheapest and safest express. Although we have partnerships with shipping companies, we can't keep costs down because it's not us who get paid. If you think it's expensive for you. You can always make your own choice.

Q7: Return policy.

A7: If you want to replace the received item, you must contact us within 7 days after receiving the item. Returned items should be in their original condition and you should pay for additional shipping.



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