



Black M8S IPE 100KV Brushless DC Motor IP45 With 21 Pole Pairs

Our Product Introduction

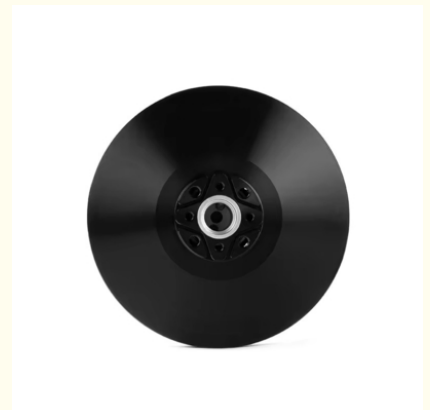
Basic Information

- Brand Name: GS
- Model Number: M8S IPE 100KV
- Minimum Order Quantity: 1
- Price: Negotiable
- Delivery Time: 6~8
- Payment Terms: T/T
- Supply Ability: 100



Product Specification

- Highlight: Brushless DC Motor IP45,
100KV Brushless DC Motor,
100KV brushless servo motor



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M8S IPE 100KV Brushless DC Motor

M8S C08

ENERGY EFFICIENT 100KV
INDUSTRY PROFESSIONAL EDITION

3.0~4.0 kgf
RECOMMENDED
HOVER THRUST

OPTIMIZED
WEIGHT 283g

8.9kgf
MAXIMUM
THRUST
MAXIMUM THRUST MAY DEPEND ON
BATTERY LEVEL, PROPELLER TYPE,
AIR PRESSURE AND OTHER CONDITIONS

EFFICIENCY >80%

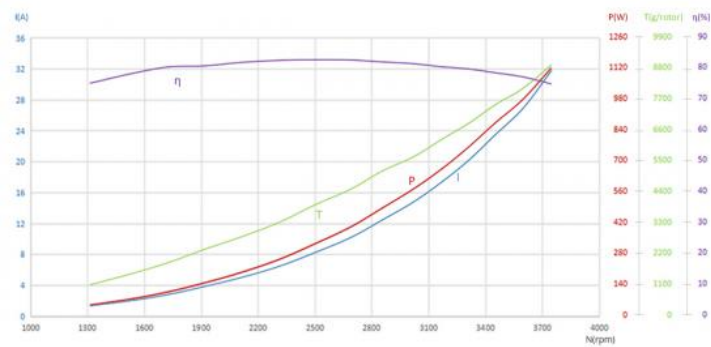


M8S C08 IPE 100KV FLUXER PRO 28x9.2 MATT AMPX 60A (5-14S) HV

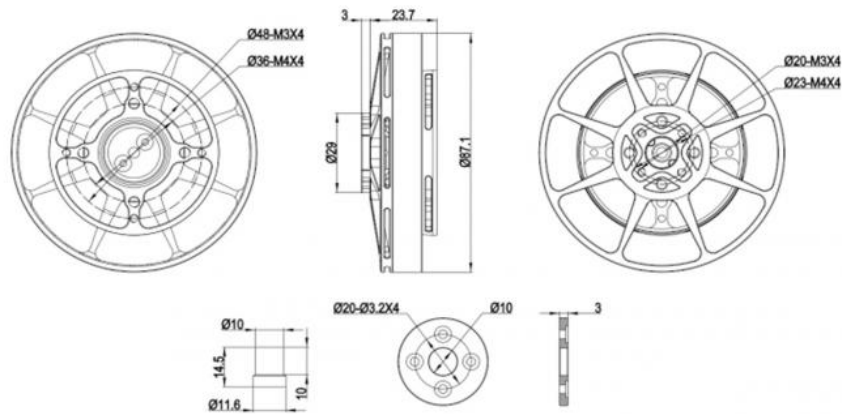
12S MAX
97°C

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	M8S C08 IPE V1.0	Number of pole pairs	21
Stator	TAIWAN / Anticorrosive	Varnished wire Degree	180°C
Motor Size	D:87.3 × 28.15 mm	Magnet Degree	150°C
Degree of Protection	IP45	Cable Length	80 mm 16# Awg(Black) silicone
Centrifugal Heat Dissipation	YES	Rotor Balance	±5 mg
Propeller Mounting Holes	D:20 M3×4, D:23 M4×4	Motor Balance	±10 mg
Shaft Diameter	IN: 12 mm	Motor Mounting Holes	D:36 M4×4
Bearing	6901*2	Disruptive test	1000 V
Additional Accessories	Propeller Plate *1, Locating Pin *1, M4*10mm *4 (Motor Screws), M3*14mm *4 (Propeller Screws), 3.5mm Bullet Connector *3, Heat Shrinkable Tube *3, Solder*2.		
Specifications			
RPM/V	100 KV	Nominal Voltage	12S lipo battery
No Load Current	0.8A / 30V	Internal resistance	143mΩ
Motor Weight	280 g	Product Boxed Weight	548g (150 × 150 × 65 mm)
Maximum Current	31.8 A	Maximum Power	1490W
Maximum thrust	8.9 kg	Maximum Torque	2.86 Nm
Recommended ESC	MAD AMPX 40A (5-14S)	Recommended Propellers	27x8.1, 28x8.4, 28x9.2
UAV take-off weight	65-2879kg--Quadcopter 13.5kg--Hexacopter 17kg--Octocopter	Single rotor take-off weight	3kg ~ 4kg



M8S C08 IPE 100KV FLUXER PRO 27x8.1 MATT AMPX 60A (5-14S) HV								12S	MAX 85℃
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	47.94	1.22	58.5	43.8	0.314	1333	947	74.9	16.2
35	47.91	1.85	88.6	69.9	0.426	1566	1286	78.9	14.5
40	47.88	2.54	121.6	97.7	0.532	1754	1604	80.3	13.2
45	47.86	3.39	162.2	131.8	0.649	1939	1988	81.3	12.3
50	47.81	4.47	213.7	175.6	0.784	2139	2432	82.2	11.4
55	47.73	5.86	279.7	229.8	0.934	2350	2900	82.2	10.4
60	47.69	7.45	355.3	295.3	1.106	2550	3431	83.1	9.7
65	47.63	9.31	443.4	369.0	1.286	2740	3987	83.2	9.0
70	47.56	11.29	537.0	445.4	1.460	2913	4518	82.9	8.4
75	47.49	13.45	638.7	526.0	1.634	3074	5039	82.4	7.9
80	47.4	15.64	741.3	608.1	1.795	3235	5510	82	7.4
85	47.3	18.46	873.2	709.3	2.004	3380	6166	81.2	7.1
90	47.21	21.16	999.0	803.2	2.168	3538	6670	80.4	6.7
95	47.08	24.53	1154.9	913.5	2.373	3676	7286	79.1	6.3
100	46.93	28.92	1357.2	1053.1	2.604	3862	8015	77.6	5.9

M8S C08 IPE 100KV FLUXER PRO 28x8.4 MATT AMPX 60A (5-14S) HV								12S	MAX 92℃
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	47.97	1.21	58.0	45.2	0.325	1328	1039	77.9	17.9
35	47.93	1.89	90.6	72.7	0.445	1561	1438	80.2	15.9
40	47.9	2.57	123.1	100.6	0.550	1747	1781	81.7	14.5
45	47.87	3.48	166.6	137.2	0.678	1933	2199	82.4	13.2
50	47.82	4.6	220.0	183.0	0.821	2128	2675	83.2	12.2
55	47.74	6.04	288.3	239.0	0.976	2338	3167	82.9	11.0
60	47.68	7.65	364.8	305.7	1.152	2534	3765	83.8	10.3
65	47.62	9.56	455.2	381.1	1.336	2724	4409	83.7	9.7
70	47.54	11.59	551.0	460.4	1.518	2896	4989	83.6	9.1
75	47.48	13.6	645.7	535.5	1.669	3064	5468	82.9	8.5
80	47.4	16.15	765.5	630.4	1.872	3216	6082	82.4	7.9
85	47.32	18.78	888.7	724.5	2.053	3370	6690	81.5	7.5
90	47.19	21.74	1025.9	825.9	2.243	3516	7381	80.5	7.2
95	47.08	25.03	1178.4	933.3	2.435	3660	7914	79.2	6.7
100	46.93	29.67	1392.4	1077.8	2.681	3839	8671	77.4	6.2

M8S C08 IPE 100KV FLUXER PRO 28x9.2 MATT AMPX 60A (5-14S) HV								12S	MAX 97℃
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	47.96	1.35	64.7	48.8	0.354	1316	1100	75.4	17.0
35	47.95	2.08	99.7	78.5	0.484	1548	1524	78.7	15.3
40	47.91	2.84	136.1	109.9	0.605	1734	1907	80.7	14.0
45	47.87	3.83	183.3	148.4	0.740	1915	2356	81	12.9
50	47.8	4.99	238.5	195.7	0.886	2109	2801	82.1	11.7
55	47.73	6.46	308.3	255.2	1.054	2312	3327	82.8	10.8
60	47.69	8.27	394.4	327.2	1.248	2504	3957	83	10.0
65	47.61	10.22	486.6	403.4	1.431	2692	4515	82.9	9.3
70	47.53	12.49	593.6	488.7	1.633	2858	5162	82.3	8.7
75	47.47	14.8	702.6	574.2	1.815	3021	5661	81.7	8.1
80	47.38	17.46	827.3	667.4	2.008	3174	6297	80.7	7.6
85	47.26	20.24	956.5	765.6	2.206	3314	6861	80	7.2
90	47.14	23.45	1105.4	871.4	2.412	3450	7505	78.8	6.8
95	47.03	26.8	1260.4	976.3	2.594	3594	8078	77.5	6.4
100	46.88	31.79	1490.3	1121.3	2.857	3748	8932	75.2	6.0

The above data are the theoretical values when the input voltage is 47V, for reference only. In the case of room temperature of 25℃ and no additional cooling device, the current over 32A is non-working zone,10-32A is short-term (about 10-30s), working zone, and below 10A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.



Company Introduction

Guangzhou gesai Aviation Technology Co., Ltd. is located in Tongda Creative Park, Jiahe Hetai Road, Baiyun District, Guangzhou. It is a high-tech enterprise specializing in the R & D, production, sales and training of multi rotor unmanned flight system. Relying on mature technology, the company adheres to the road of "leading technology and reliable quality", and has complete development, production and service capabilities from UAV system design and manufacturing to system test and flight test. The company has gathered a group of development, production and flight service personnel with rich engineering practice experience. All its key technologies are self-developed and open. These R & D technicians have the ability of composite material processing, aircraft design, various peripheral equipment and system integration. The company has developed GS series multi rotor unmanned aerial vehicles. GS series unmanned aerial vehicle is a small aircraft that can take off and land vertically, is easy to carry, has high safety performance, is easy to operate and is widely used. The products are mainly used in map mapping, geological survey, disaster monitoring, meteorological detection, air traffic control, border control, communication relay, image shooting, commercial advertising, power construction stringing, television broadcasting, aerial shooting, urban public safety, coastal defense patrol, remote sensing technology, traffic detection, meteorological monitoring, etc.

Guangzhou Gesai

Company Introduction

Guangzhou Gesai Intelligent Electronic Technology Co., Ltd. is a high-tech manufacturing enterprise that integrates research and development, production, and sales, providing comprehensive industrial drone application solutions for industry users. With rich experience in various fields of drone applications, the company has multiple rotor drones, vertical takeoff and landing drones, fixed wing drones, drone flight controllers, drone gimbal cameras, drone data transmission modules, as well as drone motor power systems, ground control stations, etc. Let more users around the world enjoy the revolutionary change in work methods brought about by the popularization of drone applications.

The company has technical knowledge in unmanned aerial vehicle applications such as surveying and mapping, agriculture, inspection, logistics, etc., providing comprehensive unmanned aerial vehicle solutions for customers, and is also an expert in unmanned aerial vehicle applications around customers.

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.



Guangzhou Gesai Intelligent Electronic Technology Co., Ltd.



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