



Brushless Motor HB30 54X24-10V drone arm set

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: HB30 54X24-10V
- Price: Negotiable
- Delivery Time: 6-8
- Payment Terms: T/T
- Supply Ability: 100



Product Specification

- Motor Model: M40C30 IPE V3.0
- Motor Size: D:151.4 X81 Mm
- Internal Resistance: 387 MΩ
- No Load Current: 1.8A/ 50V
- Motor Weight: 3460 G
- Recommended Continue Thrust: 30 Kg
- Nominal Voltage: 354V-400V
- Maximum Current: 63.4 A
- Maximum Power: 22400 W
- Maximum Thrust: 84.2 Kg
- Highlight: **HB30 54X24-10V drone arm set,
Brushless Motor HB30 54X24-10V**



More Images



Brushless Motor HB30 54X24-10V drone arm set

The drone arm set (motor, ESC, propeller) is not sold separately as it is an integrated combo with the FOC ESC included. Each rotor provides a continuous thrust of 30kg(66.1BL) and has a maximum power output of 22 KW, equivalent to 29 hp.It is designed for large multi-rotor/e-VTOL drones capable of carrying heavy loads, flying car, delivery drone, urban mobility.

ESC Model	SineSic Pro 80A 16KW(150V-435V)	Weight	1400g
Size(L*W*H)	197.0*88.0*59.5 mm	Continuous Current	80A (under good cooling)
Protection Level	IP67	Instant Current	150A (under good cooling)
Recommended Battery	96~100S LiPO	PWM Input signal Voltage	3.3V/5V
Cable Length(input)	685mm	Cable Length(signal)	1175mm
Cable Length(output)	A:265mm/B:295mm/c:315mm	Cable Length(LED wire)	145 mm

The drone arm set with great weight to power ratio is speciallydesigned for high-capacity multi-rotor,e-VTOL application,verysuitable for heavy payload lifting drones.

The recommended operating voltage range 100-600V

This propulsion system unit with motor,ESC,propeller and its compatibility to serve well in large-scale aircraft with optimal power

Utilizing high-quality aviation-grade aluminum enhances both safety measures and utilization of durability.

Stable rotation and anti-fall properties guaranteed by Japanese bearing.

Moreover,the incorporation of high-performance curved magnets and resistant to elevated temperatures which resulting in a remarkable performance increase by 5%



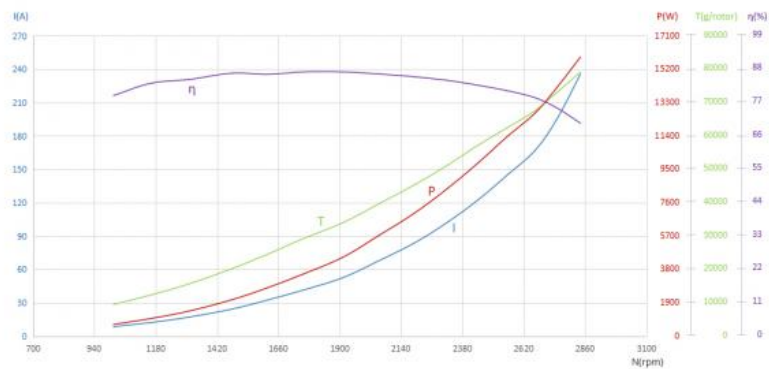
Hummingbird HB30 FLUXER PRO 54X24 GLOSSY AMPX 200A HV (12~24S)

100V

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 100 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.



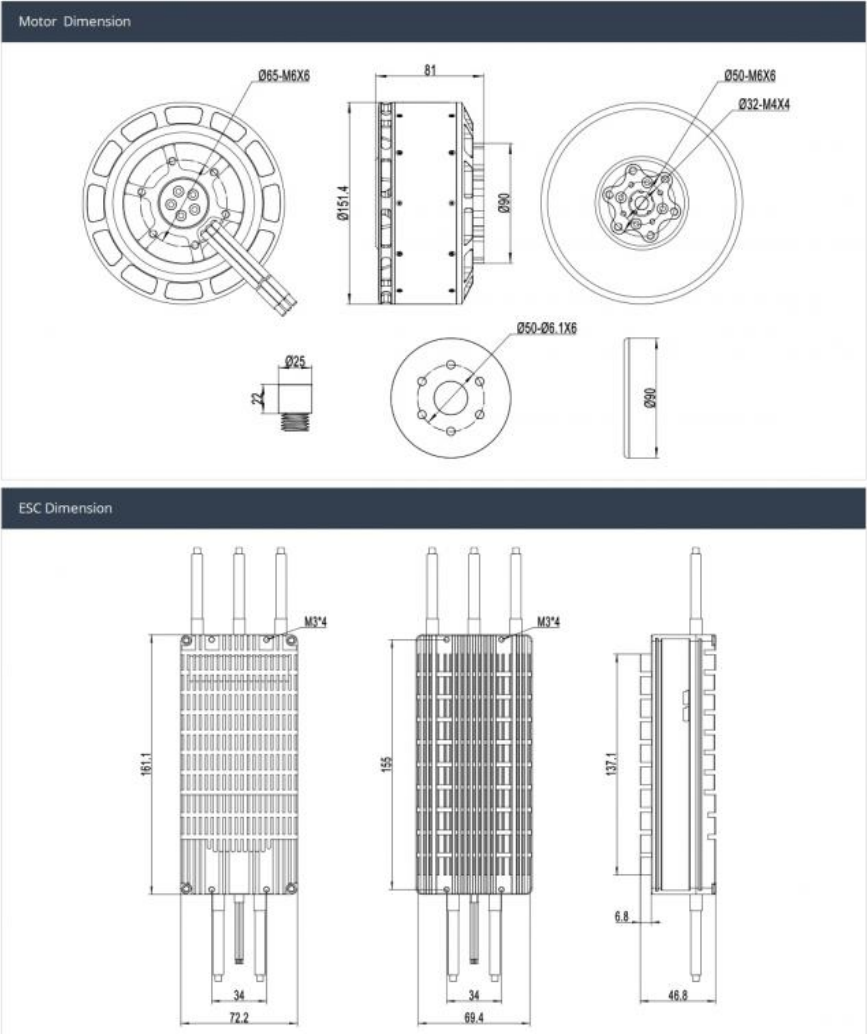
BASIC PARAMATER

Motor Data			
Motor Model	MAD M40C30 IPE V3.0	Nominal Voltage	100V
RPM/V	35 KV	Cable Length	150 mm (extended Enameled wires)
Motor Size	Ø:151.4 × 81 mm	Maximum Current	235.6 A
Internal resistance	31.5mΩ	Maximum Power	22635 W
No Load Current	3.8A / 40V	Maximum thrust	79.2 kg
Motor Weight	3460 g	Shaft Diameter	IN: 25 mm
Recommended Continue thrust	30 kg	Stator	TAIWAN / Anticorrosive

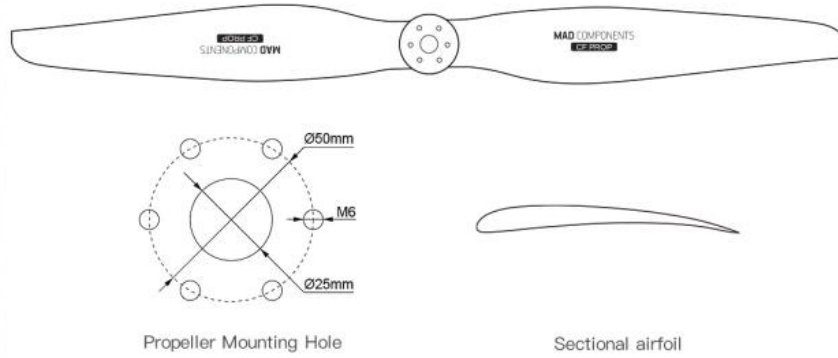
ESC Data			
ESC Model	MAD AMPX 200A (12~24S) HV	Weight	580g
Size(L*W*H)	161.0*72.2*46.8 mm	Continuous Current	200A (under good cooling)
Protection Level	IP67	Instant Current	240A (under good cooling)
Recommended Battery	24S LiPo	PWM Input Signal Voltage	3.3V/5V (compatible)
Working Environmental Temperature	(-20~65°C)	Cable Length(Signal)	170mm
Cable Length(Signal)	290mm	Cable Length(LED wire)	200mm

Propellers Data			
Propellers Model	FLUXER 54X24 GLOSSY (1371.6 x 609.6mm)	Single Weight	605 g
Material	High quality carbon fiber + Resin	Type	fixed

PRODUCT DRAWING



Propellers Dimension



TEST DATA

Hummingbird **HB30** **FLUXER PRO 54X24 GLOSSY** **AMPX 200A HV (12~24S)**

100V

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	98.7	8.39	828.1	656.5	6.176	1015	9449	79.3	11.4
35	98.59	12.2	1202.8	1003.6	8.233	1164	12365	83.4	10.3
40	98.58	17	1675.9	1418.1	10.337	1310	15614	84.6	9.3
45	98.41	24.46	2407.1	2087.5	13.442	1483	20339	86.7	8.4
50	98.38	32.27	3174.7	2740.5	16.194	1616	24453	86.3	7.7
55	98.2	41.4	4065.5	3539.1	19.213	1759	29229	87.1	7.2
60	98.15	52.47	5149.9	4484.8	22.399	1912	33947	87.1	6.6
65	97.93	67.87	6646.5	5742.6	26.685	2055	39691	86.4	6.0
70	97.78	83.65	8179.3	6993.8	30.468	2192	45312	85.5	5.5
75	97.49	102.33	9976.2	8405.8	34.569	2322	51205	84.3	5.1
80	97.33	122.58	11930.7	9868.2	38.589	2442	57232	82.7	4.8
85	96.99	144.63	14027.7	11354.1	42.436	2555	62430	80.9	4.5
90	96.82	166.87	16156.4	12691.1	45.492	2664	67535	78.6	4.2
95	96.43	194.43	18748.9	14120.9	49.070	2748	72909	75.3	3.9
100	96.09	235.56	22635.0	15892.6	53.400	2842	79165	70.2	3.5

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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