



Brushless Motor Power HB30 47.5X17.4 drone arm set

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: HB30 47.5X17.4
- 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: 54.9 A
- Maximum Power: 19483W
- Maximum Thrust: 79.2 Kg
- Highlight: HB30 47.5X17.4 drone arm set,
HB30 47.5X17.4 Brushless Motor



More Images



Product Description

Brushless Motor Power HB30 47.5X17.4 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 19KW, equivalent to 25 horsepower. It is 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)	690 mm(10AWG Silicone Flexible Wire)	Cable Length(signal)	1250 mm (9-Core PVc Flexible Wire)
Cable Length(output)	600 mm(10AWG Silicone Flexible Wire)	Cable Length(LED wire)	155 mm (4-Core PVc Flexible Wire with Waterproof Connector)

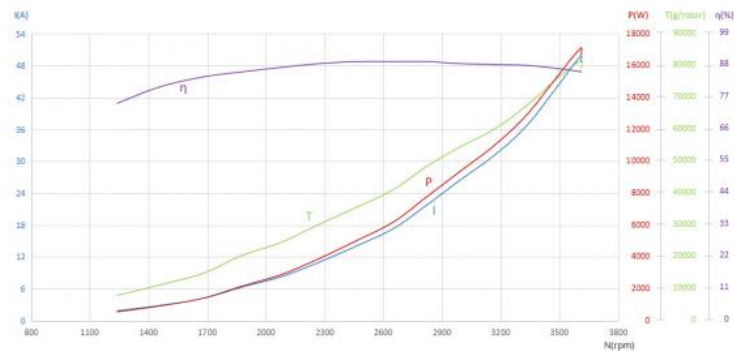


- The drone arm set with great weight to power ratio is specially designed for high-capacity multi-rotor, e-VTOL application, very suitable for heavy payload lifting drones.
- The recommended operating voltage range 100-600V.
- This propulsion system unit with motor, ESC, propeller and its compatibility 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 47.5X17.4 GLOSSY** **SineSic Pro 80A 16KW (150V-435V)** **400V**

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



BASIC PARAMATER

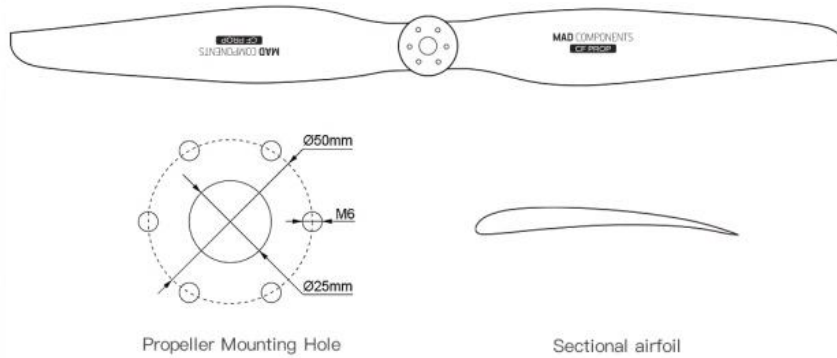
Motor Data			
Motor Model	MAD M40C30 IPE V3.0	Nominal Voltage	354V-400V
RPM/V	10 KV	Cable Length	150 mm (extended Enameled wires)
Motor Size	D:151.4 × 81 mm	Maximum Current	54.9 A
Internal resistance	387 mΩ	Maximum Power	19483W
No Load Current	1.8A / 50V	Maximum thrust	79.2 kg
Motor Weight	3460 g	Shaft Diameter	IN: 25 mm
Recommended Continue thrust	30 kg	Stator	TAIWAN / Anticorrosive

ESC Data			
ESC Model	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
Propellers Data			
Propellers Model	FLUXER 47.5X17.4 GLOSSY (1206.5 x 441.96mm)	Single Weight	405 g
Material	High quality carbon fiber + Resin	Type	fixed

Motor Dimension

ESC Dimension

Propellers Dimension



TEST DATA

Hummingbird **HB30** **FLUXER PRO 47.5X17.4 GLOSSY** **SineSic Pro 80A 16KW (150V~435V)** **354V**

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	353.71	2.14	756.9	583.8	4.529	1231	8515	77.1	11.2
35	353.68	3.33	1177.8	988.5	6.417	1471	11787	83.9	10.0
40	353.67	4.96	1754.2	1496.0	8.606	1660	15798	85.3	9.0
45	353.71	7.06	2497.2	2172.4	11.076	1873	20161	87	8.1
50	353.66	9.6	3395.1	2984.9	13.783	2068	25052	87.9	7.4
55	353.66	12.42	4392.5	3922.5	16.479	2273	30142	89.3	6.9
60	353.63	15.28	5403.5	4860.4	18.730	2478	34115	89.9	6.3
65	353.66	19.95	7055.5	6306.9	22.813	2640	40955	89.4	5.8
70	353.62	24.34	8607.1	7697.2	26.065	2820	47391	89.4	5.5
75	353.61	28.82	10191.0	9150.4	28.972	3016	52693	89.8	5.2
80	353.62	34.68	12263.5	10898.4	32.903	3163	59556	88.9	4.9
85	353.6	43.14	15254.3	13382.9	38.343	3333	69462	87.7	4.6
90	353.52	50.14	17725.5	15226.2	41.626	3493	74825	85.9	4.2
95	353.57	54.53	19280.2	16443.9	44.109	3560	79776	85.3	4.1
100	353.56	54.85	19392.8	16366.1	43.888	3561	79218	84.4	4.1

Hummingbird **HB30** **FLUXER PRO 47.5X17.4 GLOSSY** **SineSic Pro 80A 16KW (150V~435V)** **400V**

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	399.46	1.82	727.0	545.5	4.201	1240	7878	75	10.8
35	399.41	2.85	1138.3	919.0	6.011	1460	11191	80.7	9.8
40	399.37	4.18	1669.4	1404.8	7.985	1680	14810	84.1	8.9
45	399.43	6.23	2488.4	2135.0	10.891	1872	20294	85.8	8.2
50	399.45	8.27	3303.5	2888.0	13.259	2080	24576	87.4	7.4
55	399.42	10.98	4385.6	3888.4	16.343	2272	30181	88.7	6.9
60	399.38	14.11	5635.3	5036.9	19.497	2467	35664	89.4	6.3
65	399.39	17.24	6885.5	6157.1	22.204	2648	40958	89.4	5.9
70	399.41	21.66	8651.2	7737.6	26.211	2819	48245	89.4	5.6
75	399.36	26.35	10523.1	9332.3	29.815	2989	54377	88.7	5.2
80	399.35	31.08	12411.8	10976.1	33.106	3166	60003	88.4	4.8
85	399.29	36.55	14594.0	12859.6	36.888	3329	67300	88.1	4.6
90	399.34	44.2	17650.8	15359.0	42.001	3492	76088	87	4.3
95	399.31	49.85	19905.6	17105.1	45.247	3610	81517	85.9	4.1
100	399.32	48.79	19482.8	16709.5	44.176	3612	79099	85.8	4.1

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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