



10X-10 M10 Drone Arm Set Brushless Motor 13.2lbs Load Capacity

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: 10X-10 120KV M10
- Price: Negotiable
- Delivery Time: 6-8
- Payment Terms: T/T
- Supply Ability: 100



Product Specification

- Highlight: 10X-10 M10 drone arm set,
M10 drone arm set brushless motor,
13.2lbs Load Capacity Brushless Motor



More Images



10X-10 M10 drone arm set brushless motor

The 10X-10 is a tuned propulsion system designed for use in industrial multirotor applications(mapping,aerial ,inspection,Firefighting,defense,military,search and rescue ,and more).It is compatiblewith 30mm carbon arm tubes. it features MAD 10010 motor, 60A14S FOC ESC and Havoc AW 2810polymer propellers, together providing 8.8lbs (4kg) to 13.2lbs (6kg) per rotor of rated load capacity.

5-7kgF/rotor Max thrust :14kgF/rotor, upgrade DJI E5000.

Neat Cable arrangement and easy to install.

Ultralight weight for industrial multirotor,mapping,aerial,inspection,firefighting,military,search and rescue,and more.
Field-Oriented control.3.Ultralight weight for industrial multirotor:mapping,aerial,inspection,firefighting,military,search and rescue,and more.
Field-Oriented control.

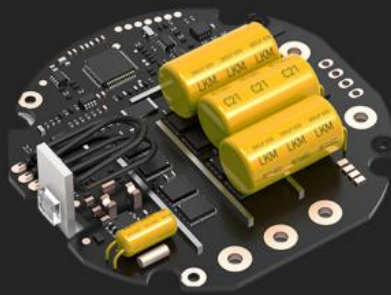


HIGH EFFICIENCY MOTOR

After months of simulation, The new 10010 uses a new iron core design. The optimal scheme obtained after repeated comparison test in various parameters of the iron core. Lightweight core design produces bigger thrust but also has extremely high efficiency. The motor is precise workmanship, using the original Japanese NMB bearing, coupled with a unique assembly process, so that the axial and radial direction no gap, enables each multicopter aircraft to continue and fly

4-6kgf/per rotor

Efficiency 8.3gf/w@5kg



INTELLIGENT AND RELIABLE

The 10X-10 combo FOC60A14S ESC uses FOC (Field-Oriented Control) algorithms to allow for more motor responsiveness and precision control. Additional protection functions extend the life of the ESC.

Protection and warning function have over voltage, over current, over temperature, locked-rotor short-circuit, phase loss, it is ideal for in harsh environments. Combined with the hardware failure mode, a comprehensive hardware electric self-inspection program is customized to effectively detect the potential faults of the hard low point system and improve the overall stability and safety.



SINUSOIDAL DRIVE
ARCHITECTURE

POLYMER PROPELLERS

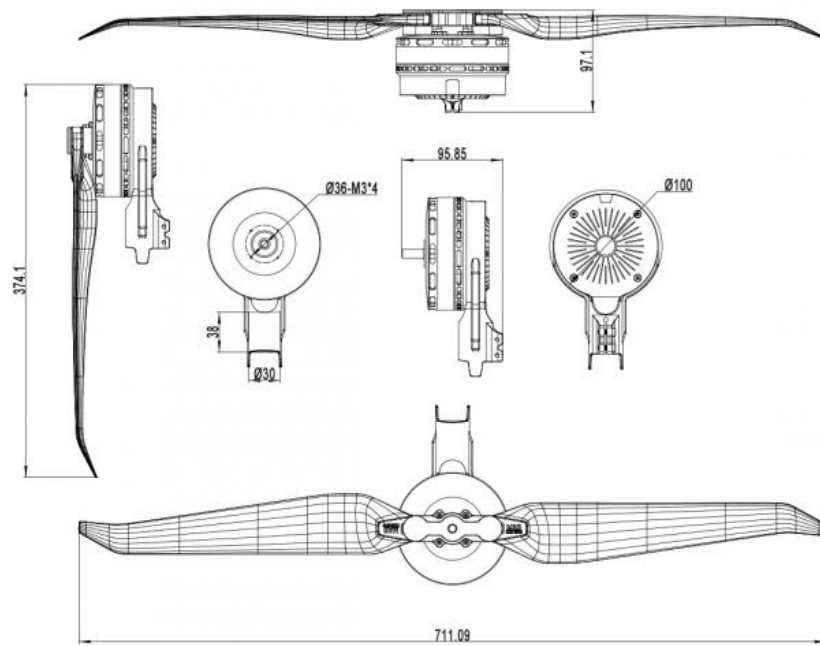
Havoc AW 2810 polymer propeller is Using a light and strong special carbon fiber composite material. AW-wahedral winglets means the prop is using ultra-quiet winglet. Through continuous caculation analysis(CFD)and simulation, the most suitable airfoil sheme of multirotor aircraft is obtained. we focus on flying and efficiency .



4-6kgf/rotor (hovering thrust)

12kgf/rotor (Max thrust)

PRODUCT DRAWING



PARAMETER

	10X	10X-10 KV120	10X-10 KV120
Basic Parameter	Max Thrust	11955g /rotor @48v(sea level)	14244g /rotor @48v(sea level)
	Recommend Take-off Weight	4500-6000g /rotor @48v(sea level)	4500-6000g /rotor @48v(sea level)
	Recommend voltage	12S Lipo	12S Lipo
	Operating Temperature	-20-60℃	-20-60℃
	Unit Combo Weight	939g	930g
	Extension Wire Length	710mm/780mm (Input/Signal Wires)	710mm/780mm (Input/Signal Wires)
	Compatible Carbon Tube	30mm	30mm
PROPELLER	Diameter / pitch	28x10inch (711.2x254mm)	28x8.0inch (711.2x203mm)
	Unit Weight	170g/pc	161g/pc
Motors	Stator Size	100x10 mm	100x10 mm
	Unit Weight	456g	456g
	Model Name	Circular 60A FOC	Circular 60A FOC

FOC ESC

Max Input Voltage	60.9V	60.9V
Max Input Current	30A	30A
Max Peak Current	120A (10S)	120A (10S)
Max Throttle Signal Frequency	50~450Hz	50~450Hz
Recommend Voltage	12S	12S

BENCHMARK

MAD 10X10 120KV HAVOC 28x10 folding Circular FOC 60A (6-14S)							12S	MAX 122°C	
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.44	2.53	122.6	85.6	0.564	1450	1473	69.80	12.0
35	48.50	3.89	188.7	144.9	0.810	1708	2076	76.80	11.0
40	48.27	5.59	269.8	213.6	1.046	1950	2781	79.20	10.3
45	48.00	8.09	388.3	315.1	1.379	2182	3574	81.10	9.2
50	47.83	10.24	489.8	401.5	1.591	2410	4180	82.00	8.5
55	47.77	12.73	608.1	525.6	1.910	2628	5048	86.40	8.3
60	47.76	16.37	781.8	658.1	2.219	2832	5893	84.20	7.5
65	47.71	20.05	956.6	797.2	2.515	3027	7003	83.30	7.3
70	47.70	23.41	1116.7	928.6	2.753	3221	7449	83.20	6.7
75	47.62	28.04	1335.3	1128.5	3.165	3405	8370	84.50	6.3
80	47.57	32.21	1532.2	1290.7	3.441	3582	9170	84.20	6.0
85	47.53	38.02	1807.1	1487.9	3.789	3750	10397	82.30	5.8
90	47.50	41.42	1967.4	1619.8	3.948	3918	10619	82.30	5.4
95	47.45	46.30	2196.9	1790.6	4.195	4076	11389	81.50	5.2
100	47.41	50.90	2413.2	1942.1	4.404	4211	11955	80.50	5.0

MAD 10X10 120KV DJI 2880 Circular FOC 60A (6-14S)							12S	MAX 132°C	
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.44	2.58	125.0	93.8	0.618	1449	1523	75.00	12.2
35	48.49	4.14	200.7	159.9	0.894	1708	2151	79.70	10.7
40	48.19	6.05	291.5	230.1	1.127	1950	2834	78.90	9.7
45	48.04	8.19	393.4	320.2	1.402	2181	3507	81.40	8.9
50	47.78	11.35	542.3	451.4	1.790	2408	4427	83.20	8.2
55	47.73	15.30	730.3	619.8	2.254	2626	5560	84.90	7.6
60	47.72	19.09	911.0	771.4	2.603	2830	6387	84.70	7.0
65	47.69	23.48	1119.8	942.1	2.973	3026	7406	84.10	6.6
70	47.63	28.57	1360.8	1141.0	3.386	3218	8354	83.80	6.1
75	47.54	34.60	1644.9	1361.4	3.817	3406	9491	82.80	5.8
80	47.50	40.47	1922.3	1575.7	4.203	3580	10498	82.00	5.5
85	47.44	45.80	2172.8	1763.6	4.491	3750	11300	81.20	5.2
90	47.39	50.97	2415.5	1941.2	4.736	3914	12233	80.40	5.1
95	47.28	59.52	2814.1	2212.7	5.203	4061	13184	78.60	4.7
100	47.21	68.40	3229.2	2457.3	5.607	4185	14244	76.10	4.4

Use the powertrain correctly according to the following performance parameters. It is recommended to fly at the recommended takeoff weight for best performance. Don't fly overweight. If the takeoff weight exceeds 1.2 times the maximum recommended value, performance and safety will be seriously affected.

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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