



## Anticorrosive M6C15 IPE V3 Brushless DC Motor

### Our Product Introduction

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#### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: M6C15 IPE V3 170KV 330KV
- Price: Negotiable



#### Product Specification

- Motor Model: M6C15 IPE V3.0
- Motor Size: D:72 X 38.4 Mm
- Propeller Mounting Holes: D:12 M3x4, 18 M3x4, 22 M3x4
- Bearing: 696ZZ\*2
- Cable Length: 150 Mm 16# Awg(Black) Silicone
- Rotor Balance:  $\leq 5$  Mg
- Motor Balance:  $\leq 10$  Mg
- Motor Mounting Holes: D:25 M3x4
- Disruptive Test: 500 V
- Highlight: Drone Video Transmitter Long Range Data, 80KM Wireless Video Transmitter, 80KM Drone Video Transmitter



#### More Images



## Product Description

## Anticorrosive M6C15 IPE V3 Brushless DC Motor

Our ANTIMATTER motors are defined as "not ordinary" in the field of multi-rotor motors. We are proud to launch the ANTIMATTER series motors (M6C06, M6C08, M6C10, M6C12) at the end of 2019. We have spent a year designing and proving which drone motors are the most efficient with 21-24in props. This is the magic! MAD Components in Poland.

Antimatter M6C15EEE is designed to carry a payload of 3-4.5kg, supports 6S-12S voltage.

Power and torque: Depending on the model, the M6C15 offers higher power output or more torque than the M6C12.

Efficiency: Brushless design, high efficiency, reduce energy loss, improve performance.

Durability: With fewer moving parts, the anti-corrosion function enhances durability and is suitable for harsh environments.

# M6C15

ENERGY EFFICIENT 170KV  
INDUSTRY PROFESSIONAL EDITION

4.0~5.0 kgf

RECOMMENDED  
HOVER THRUST

12 kgf



MAXIMUM  
THRUST

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

OPTIMIZED  
WEIGHT 330g

EFFICIENCY >81%



MAD M6C15 IPE 170KV FLUXER PRO 22x6.6 MATT AMPX 80A (5-14S)

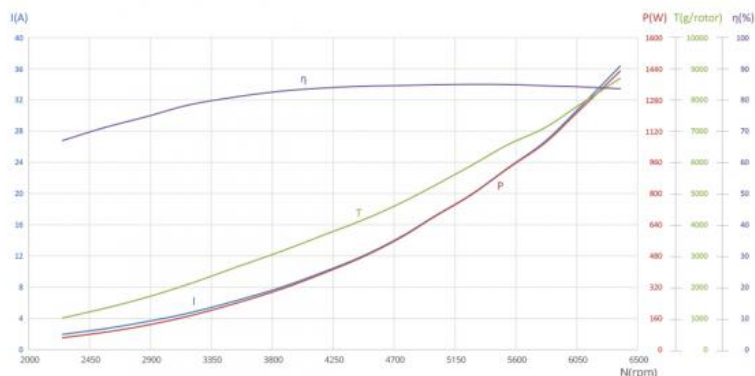
12S

MAX  
57°C

## Analytical Graph of Motor Operation

I - Current, P - Input Power,  $\eta$  - Electrical Efficiency, T - Thrust, N - Rotational Speed

The data above was measured with an input voltage of 48 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.

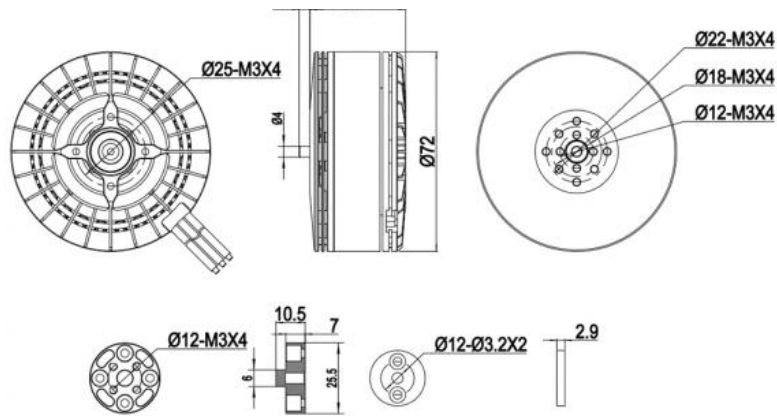


## Motor Data

Motor Model	MAD M6C15 IPE V3.0	Number of pole pairs	14
Stator	TAIWAN / Anticorrosive	Varnished wire Degree	180°C
Motor Size	D:72 x 38.4 mm	Magnet Degree	150°C
Degree of Protection	IP45	Cable Length	150 mm 16# Awg(Black) silicone
Centrifugal Heat Dissipation	YES	Rotor Balance	≤5 mg
Propeller Mounting Holes	D:12 M3x4, D:18 M3x4, D:22 M3x4	Motor Balance	≤10 mg
Shaft Diameter	IN: 6 mm	Motor Mounting Holes	D:25 M3x4
Bearing	EZO 696ZZ *2	Disruptive test	500 V
Additional Accessories	M6 Prop Adapter *1, M6 Propeller Plate *1, Ø4-6 Adapter Ring *1, 3.5mm Bullet Connector*3, Heat Shrinkable Tube*3, M3*10mm *4 Motor Screws, M3*6mm *4 Prop Adapter Fixing Screws, M3*12mm *2 Propeller Screws, Sticker*1		

## Specifications

RPM/V	170KV	Nominal Voltage	12S lipo battery
No Load Current	1.4A / 30V	Internal resistance	53.5mΩ
Motor Weight	330 g	Product Boxed Weight	510g (110 x 110 x 55 mm)
Maximum Current	56.52 A	Maximum Power	2668W
Maximum thrust	12 kg	Maximum Torque	3.40 Nm
Recommended ESC	MAD AMPX 80A (5-14S)	Recommended Propellers	21x6.3 22x6.6 22.1x7.4 22x7.2 22.2x7.5
UAV take-off weight	6S-22" 13kg--Quadcopter 19.5kg--Hexacopter 26kg--Octocopter	Single rotor take-off weight	4kg ~ 5kg



MAD M6C15 IPE 170KV FLUXER PRO 21x6.3 MATT AMPX 80A (5-14S)

12S MAX  
45°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	47.9	1.67	80.1	48.6	0.205	2270	859	62.26	11.0
35	47.88	2.3	110.3	72.9	0.268	2592	1131	67.45	10.5
40	47.87	3.04	145.4	102.0	0.334	2917	1446	71.7	10.2
45	47.85	3.99	190.9	141.1	0.413	3263	1782	75.39	9.5
50	47.83	5.22	249.5	192.7	0.508	3621	2237	78.76	9.1
55	47.81	6.62	316.3	250.4	0.602	3970	2652	80.58	8.5
60	47.77	8.33	398.1	321.6	0.717	4282	3076	82.14	7.9
65	47.74	10.12	483.0	392.8	0.821	4571	3555	82.63	7.5
70	47.71	11.99	572.2	472.8	0.927	4868	4078	83.88	7.2
75	47.68	14.13	673.8	559.3	1.037	5148	4456	84.21	6.7
80	47.63	16.79	799.8	669.9	1.176	5439	5085	84.89	6.4
85	47.58	19.52	928.5	779.4	1.301	5719	5635	84.97	6.1
90	47.53	22.58	1073.2	899.6	1.431	6001	6144	84.75	5.8
95	47.46	25.79	1223.8	1026.4	1.560	6284	6726	84.68	5.6
100	47.39	30.92	1465.4	1227.2	1.773	6608	7666	84.43	5.3

MAD M6C15 IPE 170KV FLUXER PRO 22x6.6 MATT AMPX 80A (5-14S)

12S MAX  
57°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	47.89	1.96	93.6	61.3	0.260	2250	1014	66.98	11.1
35	47.88	2.67	128.0	89.1	0.333	2560	1321	71.15	10.5
40	47.86	3.57	170.7	124.6	0.415	2866	1669	74.59	10.0
45	47.84	4.66	222.9	171.3	0.515	3178	2093	78.34	9.6
50	47.82	6.26	299.2	237.6	0.643	3530	2636	80.96	9.0
55	47.78	8.01	382.7	311.6	0.769	3870	3156	82.83	8.4
60	47.74	9.99	477.1	393.6	0.898	4184	3680	83.83	7.8
65	47.71	12	572.4	476.0	1.017	4470	4156	84.41	7.4
70	47.67	14.42	687.3	573.4	1.154	4746	4690	84.61	6.9
75	47.62	17.09	814.0	681.6	1.302	4998	5255	84.85	6.5
80	47.56	19.83	943.3	792.4	1.437	5266	5889	84.99	6.3
85	47.52	23.32	1108.5	931.1	1.604	5544	6574	84.92	6.0
90	47.45	26.57	1261.1	1056.5	1.737	5808	7095	84.55	5.7
95	47.38	30.71	1454.9	1216.4	1.919	6053	7797	84.25	5.4
100	47.29	36.34	1718.6	1428.3	2.141	6370	8695	83.58	5.1

MAD M6C15 IPE 170KV CF FLUXER 22.1x7.4 VTOL AMPX 80A (5-14S)

12S MAX  
68°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	48.17	2.23	107.3	74.1	0.316	2238	1210	69.51	11.4
35	48.15	3.07	148.0	106.4	0.402	2530	1548	72.27	10.5
40	48.14	4.08	196.5	146.4	0.495	2824	1926	74.94	9.9
45	48.11	5.46	262.7	203.5	0.623	3117	2449	77.75	9.4
50	48.08	7.17	344.7	273.1	0.750	3479	2936	79.42	8.5
55	48.03	9.36	449.6	363.5	0.913	3803	3585	80.94	8.0
60	47.99	11.7	561.3	455.7	1.059	4110	4169	82.29	7.5
65	47.95	14.21	681.3	555.0	1.210	4381	4738	83.12	7.1
70	47.91	17.18	823.3	669.1	1.374	4649	5352	82.85	6.6
75	47.86	20.11	962.4	786.0	1.536	4885	5941	83.16	6.3
80	47.81	23.47	1122.0	918.4	1.709	5132	6559	83.26	5.9
85	47.74	27.41	1308.8	1069.9	1.892	5399	7159	83.03	5.6
90	47.65	31.26	1489.6	1216.2	2.068	5617	7793	82.75	5.3
95	47.57	35.72	1698.9	1376.5	2.239	5871	8380	81.98	5.0
100	47.45	42.42	2012.8	1613.2	2.505	6149	9402	80.89	4.7

MAD M6C15 IPE 170KV HAVOC 22x7.0 folding AMPX 80A (5-14S)

12S MAX  
75°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	48.15	2.62	126.3	89.1	0.387	2197	1388	70.83	11.0
35	48.13	3.61	173.7	128.2	0.492	2488	1775	74.15	10.3
40	48.11	4.86	233.8	176.7	0.609	2770	2219	75.89	9.5

45	48.08	6.3	302.9	236.2	0.737	3059	2728	78.16	9.0
50	48.04	8.4	403.3	321.6	0.904	3396	3323	79.87	8.3
55	47.99	10.88	522.2	421.7	1.084	3716	3937	82.01	7.7
60	47.94	13.62	653.0	532.3	1.268	4010	4551	83.17	7.1
65	47.91	16.63	796.5	648.5	1.452	4266	5196	82.99	6.7
70	47.85	19.69	942.1	763.8	1.618	4508	5722	82.53	6.2
75	47.8	23.19	1108.3	894.9	1.799	4749	6334	82.09	5.8
80	47.72	27.17	1296.7	1044.7	2.008	4967	6987	81.79	5.5
85	47.64	31.38	1495.2	1202.8	2.211	5196	7587	81.53	5.1
90	47.56	36.14	1718.5	1373.0	2.410	5439	8614	80.82	5.1
95	47.48	40.82	1937.9	1530.4	2.583	5659	9226	79.74	4.8
100	47.35	47.47	2247.4	1760.3	2.830	5939	9889	78.87	4.4

MAD M6C15 IPE 170KV CF FLUXER 22.2x7.2 folding AMPX 80A (5-14S)

12S

MAX  
64°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.18	2.07	99.8	66.7	0.284	2243	1087	67.47	11.0
35	48.16	2.82	136.0	95.7	0.358	2551	1403	70.83	10.4
40	48.14	3.81	183.6	135.3	0.454	2848	1795	74.14	9.8
45	48.12	4.96	238.7	183.7	0.555	3161	2225	77.2	9.4
50	48.09	6.59	316.7	251.8	0.684	3517	2773	79.78	8.8
55	48.05	8.49	408.2	332.5	0.824	3852	3351	81.53	8.2
60	48.02	10.57	507.6	417.7	0.957	4169	3874	82.35	7.6
65	47.98	12.86	617.0	510.3	1.096	4448	4419	84.45	7.3
70	47.94	15.51	743.5	616.7	1.249	4716	5039	84.61	6.9
75	47.9	18.1	867.1	720.1	1.382	4974	5584	84.65	6.6
80	47.83	21.04	1006.4	840.9	1.535	5233	6247	85.01	6.3
85	47.77	24.84	1186.4	991.6	1.722	5498	6996	84.91	6.0
90	47.73	28.53	1361.8	1130.3	1.875	5758	7615	84.28	5.7
95	47.62	32.82	1563.0	1296.2	2.064	5998	8376	84.01	5.4
100	47.5	38.92	1848.7	1523.6	2.311	6295	9413	83.27	5.1

MAD M6C15 IPE 170KV HAVOC 24x7.5 folding AMPX 80A (5-14S)

12S

MAX  
94°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.15	2.95	142.3	106.2	0.473	2145	1599	75.09	11.3
35	48.13	4.26	205.1	159.1	0.625	2430	2125	77.92	10.4
40	48.1	5.81	279.6	219.7	0.779	2693	2404	78.82	8.6
45	48.06	7.53	361.8	287.9	0.928	2963	3008	79.74	8.3
50	48.01	9.84	472.5	382.3	1.112	3281	3739	81.11	7.9
55	47.97	12.97	622.0	504.9	1.346	3582	4548	82.88	7.5
60	47.91	16.24	778.1	631.5	1.565	3852	5315	82.74	7.0
65	47.86	19.81	948.3	766.2	1.789	4090	6018	82.27	6.5
70	47.79	23.42	1119.0	897.6	1.984	4320	6673	81.54	6.1
75	47.71	27.35	1304.8	1041.7	2.195	4531	7338	81.02	5.7
80	47.65	31.86	1518.1	1200.5	2.412	4752	8417	80.16	5.6
85	47.57	36.84	1752.2	1365.9	2.634	4952	9263	78.87	5.4
90	47.47	42.07	1997.2	1535.3	2.851	5142	10085	77.6	5.1
95	47.34	48.73	2306.8	1740.4	3.119	5328	10989	75.95	4.8
100	47.21	56.52	2668.1	1971.4	3.393	5548	11939	74.17	4.5

The above data are the theoretical values when the input voltage is 48V, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 57A is non-working zone. 20-57A is short-term (about 10-30s), working zone, and below 20A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.

# M6C15

ENERGY EFFICIENT 330KV  
INDUSTRY PROFESSIONAL EDITION

3.0~4.0 kgf  
RECOMMENDED  
HOVER THRUST  
OPTIMIZED  
WEIGHT 340g

8.6 kgf  
MAXIMUM  
THRUST  
MAXIMUM THRUST MAY DEPEND ON  
BATTERY LEVEL, PROPELLER TYPE,  
AIR PRESSURE AND OTHER CONDITIONS  
EFFICIENCY >71%



MAD M6C15 IPE 330KV FLUXER PRO 22x6.6 MATT AMPX 80A (5-14S)

6S

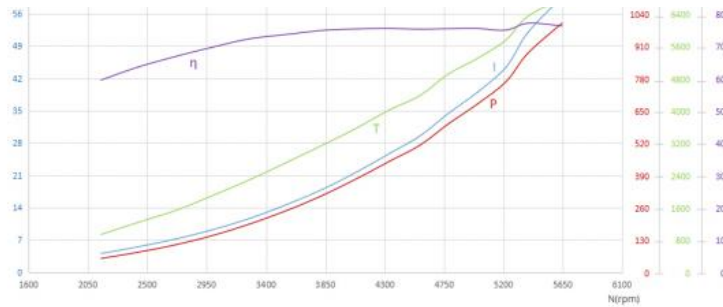
MAX  
49°C

Analytical Graph of Motor Operation

I – Current, P – Input Power,  $\eta$  – 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.







#### Specifications

RPM/V	330KV	Nominal Voltage	6S lipo battery
No Load Current	3.1A / 20V	Internal resistance	20mΩ
Motor Weight	340 g	Product Boxed Weight	520g (110 x 110 x 55 mm)
Maximum Current	83.9 A	Maximum Power	1872W
Maximum thrust	8.6 kg	Maximum Torque	2.43 Nm
Recommended ESC	MAD AMPX 80A(5-14S)	Recommended Propellers	21x6.3 22x6.6 22.1x7.4 22x7.2 22x7.5
UAV take-off weight	65-22" 11kg--Quadcopter 16.5kg--Hexacopter 22kg--Octocopter	Single rotor take-off weight	3kg - 4kg

MAD M6C15 IPE 330KV FLUXER PRO 21x6.3 MATT AMPX 80A (5-14S)

6S MAX  
39°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	23.8	3.49	83.2	42.6	0.186	2188	791	53.33	9.9
35	23.78	4.73	112.4	63.8	0.246	2481	1048	58.82	9.7
40	23.75	6.26	148.6	91.1	0.311	2799	1300	63.56	9.1
45	23.72	8	189.7	124.0	0.380	3116	1617	67.48	8.8
50	23.68	10.18	241.2	165.0	0.459	3433	1991	70.58	8.5
55	23.65	12.49	295.3	207.6	0.533	3720	2326	72.36	8.1
60	23.6	15.37	362.6	259.9	0.618	4018	2706	73.58	7.7
65	23.54	18.29	430.4	314.9	0.702	4285	3096	74.93	7.4
70	23.48	21.45	503.8	372.2	0.783	4537	3502	75.45	7.1
75	23.41	25.01	585.5	436.2	0.872	4777	3815	75.84	6.6
80	23.35	28.92	675.3	503.5	0.958	5019	4191	75.72	6.3
85	23.25	33.39	776.2	582.6	1.061	5245	4653	76.09	6.1
90	23.19	38.86	901.0	679.2	1.187	5466	5248	75.98	5.9
95	23.11	43.89	1014.3	763.2	1.281	5689	5644	75.6	5.6
100	22.95	51.57	1183.2	887.4	1.417	5979	6193	78.2	5.5

MAD M6C15 IPE 330KV FLUXER PRO 22x6.6 MATT AMPX 80A (5-14S)

6S MAX  
49°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	23.79	4.03	96.0	55.0	0.244	2149	932	59.52	10.1
35	23.75	5.49	130.4	80.0	0.315	2428	1232	63.52	9.8
40	23.73	7.19	170.6	110.3	0.388	2714	1528	66.82	9.3
45	23.69	9.12	216.1	145.9	0.467	2984	1884	69.61	9.0
50	23.65	11.65	275.6	193.7	0.565	3275	2289	72.29	8.5
55	23.59	14.79	348.9	250.6	0.671	3568	2739	73.71	8.1
60	23.53	18.08	425.5	311.4	0.775	3837	3162	74.94	7.6
65	23.47	21.85	512.9	378.7	0.883	4095	3586	75.37	7.1
70	23.4	25.76	602.8	447.1	0.984	4338	4023	75.49	6.8
75	23.34	29.55	689.6	511.6	1.070	4567	4377	75.29	6.4
80	23.23	34.41	799.3	596.9	1.192	4782	4911	75.43	6.2
85	23.15	39.17	906.7	680.0	1.296	5010	5311	75.48	5.9
90	23.05	44.43	1024.3	766.7	1.403	5218	5755	75	5.6
95	22.92	51.87	1188.9	880.3	1.562	5383	6335	77.11	5.6
100	22.79	59.76	1361.7	1003.6	1.698	5645	6779	76.31	5.2

MAD M6C15 IPE 330KV CF FLUXER 22.1x7.4 VTOL AMPX 80A (5-14S)

6S MAX  
54°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	23.77	4.47	106.2	64.4	0.290	2119	1112	62.82	10.8
35	23.74	6.07	144.0	91.8	0.366	2392	1430	66.03	10.3
40	23.72	7.83	185.8	122.7	0.443	2644	1745	68.25	9.7
45	23.68	10.01	236.9	161.6	0.530	2914	2095	70.32	9.1
50	23.62	12.72	300.5	211.1	0.630	3200	2514	72.22	8.6
55	23.57	16.34	385.0	275.0	0.753	3489	2989	73.26	8.0
60	23.5	20.22	475.2	343.5	0.875	3749	3454	73.88	7.4
65	23.42	24.37	570.8	414.5	0.992	3991	3933	73.97	7.0
70	23.34	29.05	678.1	492.0	1.117	4208	4336	73.65	6.5
75	23.26	33.82	786.7	569.8	1.234	4410	4809	73.23	6.2
80	23.17	38.71	896.8	649.3	1.345	4610	5168	72.92	5.8
85	23.05	44.79	1032.5	746.1	1.485	4799	5721	72.41	5.6
90	22.95	50.99	1170.3	842.6	1.616	4978	6132	75.1	5.5
95	22.82	57.19	1305.2	930.6	1.726	5150	6603	73.92	5.2
100	22.64	66.65	1508.8	1060.4	1.878	5393	7132	72.3	4.9

MAD M6C15 IPE 330KV HAVOC 22x7.0 folding AMPX 80A (5-14S)

6S MAX  
57°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [g]	Efficiency [%]	Efficiency [g/W]
30	23.77	5.09	120.9	76.7	0.352	2080	1253	65.72	10.7
35	23.73	6.88	163.3	107.4	0.440	2333	1603	68.03	10.2
40	23.7	9.03	214.1	145.0	0.537	2581	1991	69.89	9.6
45	23.65	11.61	274.5	189.3	0.638	2834	2364	70.96	8.9
50	23.6	14.72	347.3	244.6	0.753	3100	2811	72.27	8.3
55	23.53	18.65	438.7	313.0	0.885	3377	3322	73.01	7.8
60	23.45	23.3	546.3	391.3	1.030	3627	3871	73.06	7.2
65	23.36	27.83	650.1	466.7	1.155	3860	4274	72.93	6.7
70	23.27	32.94	766.7	547.4	1.287	4062	4723	72.26	6.2
75	23.19	37.74	875.2	618.7	1.385	4265	5067	71.28	5.8
80	23.1	43.05	994.6	701.8	1.508	4445	5446	70.85	5.5
85	22.97	50.21	1153.2	805.0	1.667	4611	6000	72.85	5.4
90	22.83	57.15	1304.6	905.7	1.824	4741	6546	72.01	5.2
95	22.68	64.13	1454.7	999.0	1.953	4884	7017	70.78	5.0
100	22.5	74.14	1667.8	1125.8	2.113	5087	7575	69	4.6

**MAD M6C15 IPE 330KV CF FLUXER 22.2x7.2 folding AMPX 80A (5-14S)**

**6S**

MAX  
51°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [g]	Efficiency [%]	Efficiency [g/W]
30	23.78	4.16	99.0	59.6	0.265	2152	1015	62.52	10.7
35	23.75	5.59	132.7	84.7	0.332	2437	1275	66.19	10.0
40	23.72	7.36	174.7	116.5	0.410	2715	1617	68.89	9.6
45	23.69	9.41	222.9	154.6	0.495	2984	1987	71.63	9.2
50	23.65	11.99	283.6	202.0	0.591	3264	2378	73.34	8.6
55	23.59	15.17	357.8	260.4	0.701	3548	2827	74.65	8.1
60	23.53	18.76	441.5	325.6	0.814	3822	3273	75.48	7.6
65	23.47	22.45	526.9	390.6	0.916	4072	3713	75.66	7.2
70	23.4	26.62	622.9	464.5	1.028	4313	4153	75.87	6.8
75	23.33	30.76	717.6	533.7	1.128	4517	4542	75.44	6.4
80	23.23	35.63	827.8	617.8	1.245	4738	4973	75.39	6.1
85	23.14	40.8	944.2	704.2	1.360	4944	5369	75	5.7
90	23.05	46.21	1065.0	789.5	1.465	5147	5839	74.27	5.5
95	22.93	52.54	1204.7	885.0	1.596	5294	6392	76.55	5.5
100	22.75	61.48	1399.0	1013.2	1.733	5583	6864	74.89	5.1

**MAD M6C15 IPE 330KV HAVOC 24x7.5 folding AMPX 80A (5-14S)**

**6S**

MAX  
69°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [g]	Efficiency [%]	Efficiency [g/W]
30	23.76	5.34	126.8	82.2	0.400	1965	1340	67.3	11.0
35	23.72	7.65	181.4	122.4	0.521	2245	1776	69.83	10.1
40	23.68	10.2	241.6	166.2	0.639	2484	2187	70.95	9.3
45	23.62	13.37	315.8	221.6	0.780	2713	2608	72.11	8.5
50	23.55	17	400.4	286.1	0.924	2956	3034	73.18	7.8
55	23.48	21.58	506.7	363.8	1.079	3219	3698	73.34	7.5
60	23.39	26.78	626.5	448.4	1.240	3454	4299	72.79	7.0
65	23.28	32.52	757.3	540.7	1.412	3657	4865	72.27	6.5
70	23.18	37.98	880.2	625.1	1.547	3859	5299	71.56	6.1
75	23.06	44.39	1023.8	716.5	1.705	4014	5851	70.17	5.7
80	22.96	50.63	1162.3	800.0	1.838	4156	6262	71.8	5.6
85	22.84	56.48	1290.0	877.1	1.937	4323	6843	70.57	5.5
90	22.69	63.94	1450.6	971.3	2.091	4436	7408	69.03	5.3
95	22.54	72.36	1630.8	1064.5	2.225	4569	7986	66.83	5.0
100	22.31	83.89	1871.5	1203.1	2.434	4719	8647	65.15	4.7

The above data are the theoretical values when the input voltage is 24V, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 84A is non-working zone.33-84A is short-term (about 10-30s), working zone, and below 33A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.

## 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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