



## Anticorrosive M6C18 IPE V3 Brushless DC Motor

### Our Product Introduction

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#### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: M6C18 IPE V3 170KV 330KV
- Price: Negotiable



#### Product Specification

- Motor Model: M6C18 IPE V3
- Motor Size: D:72 X 41.4 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: **Anticorrosive Brushless DC Motor, M6C18 Brushless DC Motor, IPE V3 Brushless DC Motor**



#### More Images



## Product Description

## Anticorrosive M6C18 IPE V3 Brushless DC Motor

Our ANTIMATTER brand 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 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 M6C18 EEE is designed to carry a payload of 3.5-5kg, supports 6S-12S voltage.

**Power and torque:** Compared to the M6C12 and M6C15, the M6C18 can provide higher power output and torque, making it suitable for more demanding applications.

**Efficiency:** Brushless design ensures high efficiency, reduces energy loss and improves overall performance.

**Durability:** Enhanced durability, anti-corrosion function, suitable for harsh environments.

# M6C18

ENERGY EFFICIENT 170KV  
INDUSTRY PROFESSIONAL EDITION

4.0~6.0 kgf

RECOMMENDED  
HOVER THRUST

13.3 kgf

MAXIMUM  
THRUST

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

OPTIMIZED  
WEIGHT 380g

EFFICIENCY >81%



MAD M6C18 IPE 170KV FLUXER PRO 22x6.6 MATT AMPX 80A (5-14S)

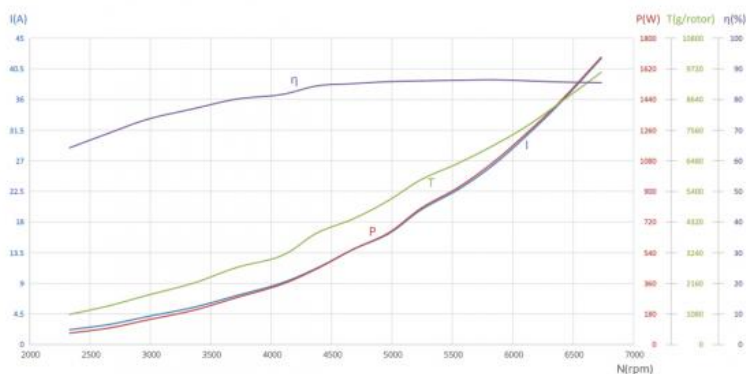
12S

MAX  
78°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.

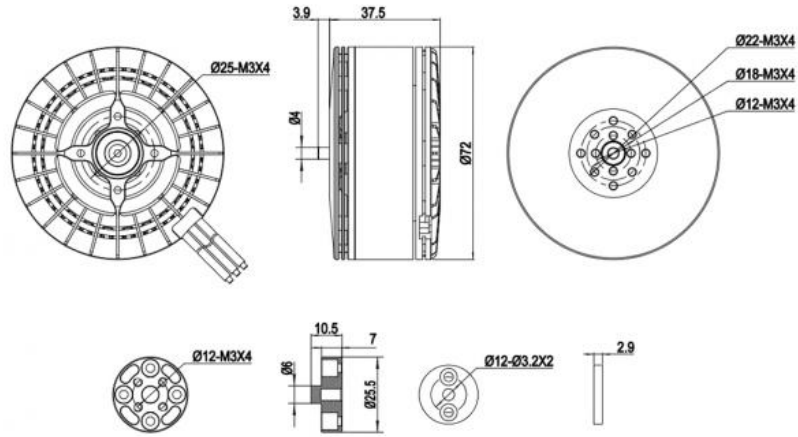


## Motor Data

Motor Model	MAD M6C18 IPE V3.0	Number of pole pairs	14
Stator	TAIWAN / Anticorrosive	Varnished wire Degree	180°C
Motor Size	D:72 x 41.4 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	1.6A / 30V	Internal resistance	48mΩ
Motor Weight	380 g	Product Boxed Weight	539g (110 x 110 x 55 mm)
Maximum Current	73.1 A	Maximum Power	3429W
Maximum thrust	13.3 kg	Maximum Torque	4.28 Nm
Recommended ESC	MAD AMPX 80A (5-14S)	Recommended Propellers	21x6.3 22x6.6 22.1x7.4 22.2x7.2 24x7.5
UAV take-off weight	6S-22" 13kg--Quadcopter 19.5kg--Hexacopter 26kg--Octocopter	Single rotor take-off weight	4kg ~ 6kg



MAD M6C18 IPE 170KV FLUXER PRO 21x6.3 MATT 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 [gf/W]	
30	48.14	1.91	92.0	53.5	0.219	2334	925	58.6	10.1	
35	48.13	2.62	126.0	82.2	0.293	2677	1230	65.65	9.8	
40	48.11	3.51	168.9	116.8	0.369	3019	1550	69.44	9.2	
45	48.09	4.72	226.8	167.4	0.469	3407	2022	74.02	8.9	
50	48.06	6.18	296.9	228.3	0.576	3786	2491	77.08	8.4	
55	48.03	7.94	381.5	305.6	0.705	4141	3001	80.17	7.9	
60	48	9.9	475.4	388.1	0.830	4463	3507	82.11	7.4	
65	47.96	12.01	575.9	478.3	0.960	4757	4169	84.76	7.4	
70	47.93	14.18	679.7	565.2	1.064	5072	4534	84.8	6.8	
75	47.89	16.55	792.3	665.3	1.183	5368	4876	85.56	6.3	
80	47.85	19.24	920.5	778.5	1.311	5671	5367	86.09	5.9	
85	47.76	22.78	1088.2	928.7	1.486	5970	6157	86.72	5.8	
90	47.71	26.7	1273.8	1085.6	1.655	6262	7018	86.48	5.6	
95	47.66	30.41	1449.3	1229.5	1.789	6563	7605	86	5.3	
100	47.53	36.71	1745.0	1485.0	2.048	6924	8512	86.05	4.9	

MAD M6C18 IPE 170KV FLUXER PRO 22x6.6 MATT AMPX 80A (5-14S)									12S	MAX 78°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]	
30	48.14	2.18	105.1	67.2	0.275	2332	1064	64.23	10.2	
35	48.12	2.96	142.4	97.9	0.351	2661	1371	69.08	9.7	
40	48.1	4.12	198.2	145.3	0.466	2978	1743	73.54	8.8	
45	48.08	5.45	261.9	201.0	0.572	3354	2163	76.94	8.3	
50	48.04	7.21	346.3	277.0	0.711	3718	2720	80.13	7.9	
55	48.01	9.05	434.3	354.2	0.827	4088	3134	81.62	7.2	
60	47.98	11.29	541.5	447.9	0.975	4385	3945	84.46	7.4	
65	47.94	14.03	672.6	561.5	1.145	4684	4439	85.17	6.7	
70	47.89	16.22	777.0	654.3	1.258	4967	5067	85.8	6.6	
75	47.83	19.84	949.2	802.6	1.461	5245	5821	86.06	6.2	
80	47.78	22.8	1089.1	924.5	1.590	5551	6396	86.26	6.0	
85	47.7	26.38	1258.7	1071.7	1.753	5839	7015	86.41	5.7	
90	47.64	30.72	1463.6	1243.1	1.941	6117	7702	86.09	5.3	
95	47.56	35.4	1683.7	1426.4	2.132	6389	8517	85.69	5.1	
100	47.43	42.01	1992.4	1688.1	2.395	6732	9593	85.48	4.9	

MAD M6C18 IPE 170KV CF FLUXER 22.1x7.4 VTOL AMPX 80A (5-14S)									12S	MAX 83°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]	
30	48.13	2.57	123.6	83.4	0.347	2297	1286	67.85	10.5	
35	48.11	3.55	170.9	121.2	0.441	2625	1670	71.28	9.8	
40	48.1	4.63	222.5	165.7	0.538	2942	1927	74.71	8.7	
45	48.07	6.18	297.1	230.5	0.672	3275	2483	77.75	8.4	
50	48.03	8.16	391.7	314.6	0.825	3640	2974	80.4	7.6	
55	47.99	10.63	510.0	417.2	1.001	3980	3631	83.4	7.3	
60	47.95	13.32	638.9	527.1	1.173	4292	4553	84.17	7.3	
65	47.9	15.9	761.7	630.0	1.309	4596	4942	84.31	6.6	
70	47.84	19.04	911.1	762.3	1.498	4859	5563	85.18	6.2	
75	47.79	22.53	1076.8	900.8	1.674	5139	6136	85.04	5.8	
80	47.72	26.48	1263.6	1052.7	1.860	5406	6913	84.58	5.6	
85	47.65	30.48	1452.4	1212.8	2.040	5677	7484	84.65	5.2	
90	47.56	35.32	1679.8	1395.4	2.242	5944	8223	84.04	5.0	
95	47.48	40.38	1917.6	1590.6	2.451	6197	8867	83.77	4.7	
100	47.33	48.87	2313.0	1908.6	2.806	6496	10090	83.07	4.4	

MAD M6C18 IPE 170KV HAVOC 22x7.0 folding AMPX 80A (5-14S)									12S	MAX HOT
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]	

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	48.13	2.91	139.9	98.0	0.411	2277	1465	70.42	10.5
35	48.11	4.01	193.1	141.3	0.522	2584	1823	73.46	9.5
40	48.09	5.52	265.5	203.2	0.677	2868	2370	76.77	9.0
45	48.05	7.43	356.7	282.3	0.849	3177	3039	79.24	8.5
50	48	9.84	472.6	380.6	1.027	3540	3714	80.59	7.9
55	47.97	12.46	597.7	490.7	1.205	3890	3997	83.8	6.8
60	47.92	15.45	740.5	611.5	1.391	4198	4697	84.2	6.5
65	47.85	19.07	912.3	753.5	1.610	4470	5427	84.07	6.1
70	47.79	22.82	1090.8	901.6	1.823	4724	6310	84.04	5.9
75	47.72	26.38	1259.0	1038.3	1.994	4973	6869	83.74	5.5
80	47.65	31.21	1487.3	1225.3	2.232	5243	7771	83.51	5.3
85	47.55	35.88	1705.9	1405.8	2.441	5500	8596	83.34	5.1
90	47.46	41.49	1969.3	1615.0	2.692	5728	9484	82.77	4.9
95	47.34	46.72	2211.7	1798.0	2.868	5987	9599	81.86	4.4
100	47.21	55.04	2598.6	2095.0	3.180	6292	10797	80.95	4.2

MAD M6C18 IPE 170KV CF FLUXER 22.2x7.2 folding AMPX 80A (5-14S)

12S

MAX  
76°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	48.14	2.26	108.9	71.6	0.294	2323	1115	66.34	10.3
35	48.12	3.17	152.4	107.5	0.388	2646	1459	70.95	9.6
40	48.1	4.24	203.9	149.4	0.480	2969	1803	73.54	8.9
45	48.08	5.63	270.9	210.4	0.603	3330	2335	77.89	8.7
50	48.05	7.43	357.1	285.8	0.739	3692	2879	80.18	8.1
55	48	9.69	465.2	382.2	0.902	4045	3443	82.3	7.4
60	47.97	11.88	570.0	472.6	1.036	4357	4055	84.65	7.3
65	47.94	14.31	686.1	571.2	1.170	4664	4697	84.93	7.0
70	47.88	17.08	818.0	683.1	1.320	4940	5258	85.07	6.6
75	47.82	20.36	973.3	815.9	1.492	5222	5992	85.29	6.3
80	47.77	23.93	1143.4	964.8	1.671	5512	6330	85.75	5.6
85	47.7	27.84	1327.9	1120.1	1.846	5795	7349	85.6	5.6
90	47.62	31.87	1517.5	1286.9	2.021	6079	8051	85.88	5.4
95	47.52	37.43	1778.6	1496.9	2.262	6319	9042	85.07	5.1
100	47.4	45.03	2134.8	1791.5	2.577	6639	10168	84.61	4.8

MAD M6C18 IPE 170KV HAVOC 24x7.5 folding AMPX 80A (5-14S)

12S

MAX  
HOT

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	48.12	3.67	176.5	132.6	0.570	2220	1862	75.43	10.6
35	48.09	5.14	247.4	191.7	0.729	2513	2385	77.7	9.7
40	48.05	7.07	339.6	268.1	0.921	2780	3009	79.17	8.9
45	48.01	9.33	448.0	360.2	1.120	3070	3619	80.46	8.1
50	47.96	12.55	602.1	491.0	1.379	3401	4504	83.25	7.6
55	47.9	16.54	792.2	649.7	1.666	3724	5397	83.59	6.9
60	47.82	20.7	990.0	812.0	1.944	3988	6381	83.43	6.6
65	47.74	25	1193.8	972.6	2.192	4237	7102	82.75	6.0
70	47.66	30.59	1458.2	1176.7	2.517	4464	8037	81.8	5.6
75	47.56	35.11	1669.9	1339.1	2.731	4683	8647	81.14	5.2
80	47.47	40.64	1929.4	1531.3	2.994	4885	9667	80.14	5.1
85	47.34	47.52	2249.7	1763.4	3.302	5100	10540	78.92	4.7
90	47.21	54.46	2571.1	1987.1	3.596	5277	11648	77.6	4.6
95	47.08	62.4	2937.7	2224.4	3.907	5437	12479	75.82	4.3
100	46.87	73.14	3428.5	2533.2	4.276	5657	13259	75.25	3.9

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 73A is non-working zone. 25-73A is short-term (about 10-30s), working zone, and below 25A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.

# M6C18

ENERGY EFFICIENT 330KV  
INDUSTRY PROFESSIONAL EDITION

4.0~5.0 kgf

RECOMMENDED  
HOVER THRUST

OPTIMIZED  
WEIGHT 390g

9.4 kgf

MAXIMUM  
THRUST

EFFICIENCY >73%

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



MAD M6C18 IPE 330KV FLUXER PRO 22x6.6 MATT AMPX 80A (5-14S)

6S

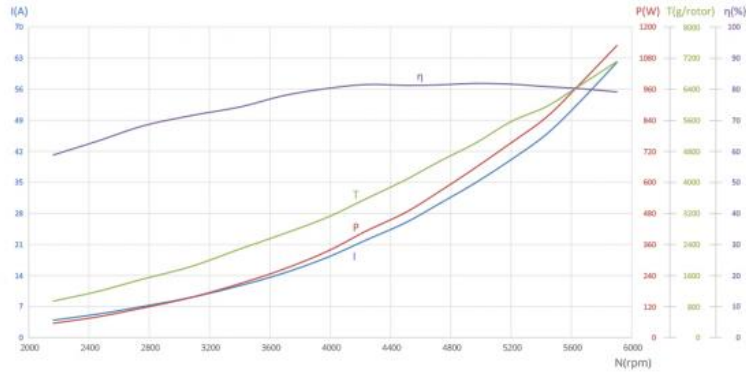
MAX  
62°C

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	3.4A / 20V	Internal resistance	10.5mΩ
Motor Weight	390 g	Product Boxed Weight	549g (110 x 110 x 55 mm)
Maximum Current	56.1 A	Maximum Power	2161W
Maximum thrust	9.4 kg	Maximum Torque	2.93 Nm
Recommended ESC	MAD AMPX 80A (5-14S) AMPX 120A (5-14S)	Recommended Propellers	21x6.3 22x6.6 22.1x7.4
UAV take-off weight	6S-22" 11kg--Quadcopter 16.5kg--Hexacopter 22kg--Octocopter	Single rotor take-off weight	4kg ~ 5kg

MAD M6C18 IPE 330KV FLUXER PRO 21x6.3 MATT AMPX 80A (5-14S)

6S

MAX  
55°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	24.19	3.37	81.5	44.0	0.194	2163	790	54.73	9.8
35	24.17	4.56	110.1	65.1	0.251	2476	1094	59.62	10.0
40	24.13	6.32	152.5	99.5	0.340	2793	1459	65.84	9.7
45	24.1	8.05	194.0	131.9	0.403	3128	1790	68.39	9.3
50	24.06	10.37	249.5	179.6	0.495	3468	2022	72.3	8.1
55	24.01	13.05	313.3	234.0	0.595	3756	2592	74.79	8.3
60	23.97	15.92	381.7	289.5	0.682	4053	2996	79.08	8.2
65	23.91	18.98	453.8	349.6	0.772	4327	3247	80.12	7.4
70	23.85	22.58	538.6	420.1	0.875	4586	3745	80.92	7.2
75	23.79	26.44	629.0	491.4	0.971	4831	4176	80.82	6.9
80	23.72	30.55	724.6	572.0	1.075	5082	4688	81.43	6.7
85	23.63	35.46	838.0	667.5	1.195	5332	4991	81.85	6.1
90	23.56	39.87	939.2	745.7	1.274	5591	5243	81.32	5.7
95	23.44	46.16	1082.1	862.4	1.418	5810	5992	81.23	5.6
100	23.28	55.06	1282.0	1012.9	1.589	6086	6805	79.96	5.4

MAD M6C18 IPE 330KV FLUXER PRO 22x6.6 MATT AMPX 80A (5-14S)

6S

MAX  
62°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	24.18	3.93	95.0	55.3	0.244	2164	941	58.8	10.0
35	24.15	5.28	127.5	79.9	0.311	2455	1186	63.22	9.4
40	24.12	7.04	169.8	115.0	0.398	2761	1511	68.17	9.0
45	24.08	9.09	219.0	155.7	0.482	3081	1835	71.49	8.4
50	24.04	11.73	282.1	209.0	0.586	3404	2286	74.28	8.1
55	23.99	14.59	350.1	265.7	0.686	3697	2682	77.94	7.9
60	23.93	18.14	434.2	334.6	0.802	3985	3104	80.23	7.4
65	23.86	22.01	525.3	412.2	0.928	4240	3579	81.45	7.1
70	23.8	25.9	616.3	483.5	1.026	4500	4064	81.2	6.8
75	23.72	30.18	715.7	564.4	1.141	4724	4537	81.34	6.5
80	23.64	34.81	822.9	655.1	1.261	4960	5001	81.83	6.3
85	23.54	40.22	947.0	754.7	1.385	5205	5574	81.56	6.0
90	23.45	45.68	1071.3	849.1	1.494	5429	5941	80.8	5.7
95	23.32	52.34	1220.8	965.9	1.637	5633	6435	80.23	5.3
100	23.14	61.99	1434.8	1128.2	1.826	5901	7109	79.1	5.0

MAD M6C18 IPE 330KV CF FLUXER 22.1x7.4 VTOL AMPX 80A (5-14S)

6S

MAX  
69°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	24.17	4.21	101.7	61.4	0.276	2127	972	61.03	9.7
35	24.14	5.77	139.4	89.5	0.354	2416	1293	64.77	9.4
40	24.11	7.74	186.7	127.7	0.449	2714	1629	68.76	8.8
45	24.07	10.15	244.3	173.9	0.555	2991	2101	71.46	8.6
50	24.02	12.94	310.7	230.1	0.668	3287	2525	74.18	8.1
55	23.96	16.29	390.3	294.8	0.783	3593	2952	78.75	7.9
60	23.89	20.35	486.2	374.1	0.926	3857	3560	79.94	7.6
65	23.82	24.81	590.9	455.4	1.057	4115	4051	79.83	7.1
70	23.74	29.06	689.9	536.2	1.175	4358	4411	80.25	6.6
75	23.65	34.26	810.2	628.9	1.313	4573	5032	79.82	6.4
80	23.55	39.63	933.2	724.7	1.447	4783	5479	79.51	6.0
85	23.45	45.17	1059.2	821.1	1.566	5007	5812	79.03	5.6
90	23.33	51.88	1210.6	934.7	1.709	5221	6395	78.3	5.4
95	23.21	58.61	1360.5	1046.0	1.844	5417	6980	77.56	5.2
100	23.09	66.55	1530.4	1165.5	2.005	5644	7645	76.98	4.9

100	43.17	595.26	1399.4	1413.4	4.020	3044	7713	70.35	4.9
MAD M6C18 IPE 330KV    HAVOC 22x7.0 folding    AMPX 80A (5-14S)								6S	MAX 72°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	24.16	4.87	117.7	75.8	0.345	2098	1226	65.02	10.5
35	24.13	6.76	163.2	112.1	0.451	2374	1567	69.24	9.7
40	24.09	9	216.7	153.8	0.559	2629	1998	71.37	9.3
45	24.04	11.94	287.0	210.2	0.696	2886	2446	73.46	8.6
50	23.99	14.99	359.6	268.8	0.806	3185	2880	77.09	8.3
55	23.91	19.41	464.2	355.0	0.976	3472	3437	79.53	7.7
60	23.84	23.53	560.9	431.3	1.096	3759	3728	79.71	6.9
65	23.75	28.97	688.0	530.7	1.270	3990	4108	79.66	6.2
70	23.65	34.5	815.8	626.3	1.422	4206	4784	78.95	6.0
75	23.55	39.49	930.0	716.5	1.551	4411	5326	78.89	5.9
80	23.45	45.43	1065.4	817.5	1.687	4628	5709	78.22	5.5
85	23.33	52.23	1218.7	931.1	1.848	4811	6208	77.47	5.2
90	23.19	59.72	1384.5	1050.8	2.014	4981	6962	76.48	5.1
95	23.04	67.56	1556.3	1170.9	2.169	5154	7331	75.33	4.7
100	22.85	77.96	1781.2	1323.6	2.336	5411	7771	77.14	4.5
MAD M6C18 IPE 330KV    CF FLUXER 22.2x7.2 folding    AMPX 80A (5-14S)								6S	MAX 68°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	24.17	4.06	98.0	57.7	0.255	2160	936	59.45	9.7
35	24.14	5.45	131.5	83.9	0.327	2448	1150	64.29	8.8
40	24.11	7.17	173.0	116.6	0.405	2751	1497	67.86	8.7
45	24.07	9.56	230.1	163.8	0.513	3051	1883	71.46	8.2
50	24.03	12.14	291.7	216.9	0.616	3360	2293	74.56	7.9
55	23.97	15.3	366.8	279.8	0.730	3661	2853	79.59	8.1
60	23.91	19.1	456.6	353.6	0.857	3940	3317	80.53	7.6
65	23.84	23.08	550.3	431.3	0.982	4195	3809	81.28	7.2
70	23.77	27.1	644.3	503.6	1.084	4436	4298	80.79	6.9
75	23.69	31.67	750.3	591.3	1.207	4676	4783	81.19	6.6
80	23.61	36.69	866.0	687.1	1.339	4901	5322	81.44	6.3
85	23.51	42.14	990.6	783.1	1.455	5138	5764	80.8	6.0
90	23.41	47.56	1113.6	876.8	1.558	5375	6085	80.14	5.6
95	23.29	54.28	1264.4	991.7	1.697	5580	6650	79.4	5.3
100	23.11	64.31	1485.9	1160.9	1.902	5830	7592	78.48	5.1
MAD M6C18 IPE 330KV    HAVOC 24x7.5 folding    AMPX 120A (5-14S)								6S	MAX HOT
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	24.13	6.08	146.7	102.1	0.481	2027	1517	70.24	10.4
35	24.1	8.28	199.5	142.7	0.594	2297	1963	71.99	9.9
40	24.05	11.18	268.8	196.7	0.740	2540	2365	73.41	8.8
45	23.99	14.54	348.9	257.6	0.885	2778	2827	75.99	8.3
50	23.92	18.48	442.0	334.8	1.054	3034	3520	78.83	8.3
55	23.83	24.1	574.3	436.7	1.266	3293	3923	78.79	7.1
60	23.72	30.53	724.2	549.5	1.484	3536	4683	78.27	6.7
65	23.61	36.73	867.0	656.9	1.670	3756	5387	77.78	6.4
70	23.49	43.12	1012.9	762.6	1.839	3960	5776	76.87	5.8
75	23.36	50.36	1176.5	877.1	2.029	4129	6638	75.72	5.7
80	23.24	57.3	1331.7	986.1	2.194	4292	7182	74.8	5.5
85	23.07	65.83	1518.9	1112.9	2.390	4447	7659	73.48	5.1
90	22.93	74.02	1696.9	1229.9	2.555	4597	8268	75.48	5.1
95	22.73	83.4	1895.8	1350.7	2.742	4704	8956	73.58	4.9
100	22.48	96.11	2161.0	1498.5	2.931	4883	9442	70.83	4.5
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 96A is non-working zone.37-96A is short-term (about 10-30s), working zone, and below 37A 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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