



5005 IPE brushless motor 280KV 350KV 440KV

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: 5005 IPE 280KV 350KV 440KV
- Price: Negotiable



Product Specification

- Motor Model: MAD 5005 IPE V2.0
- Stator: Anticorrosive
- Motor Size: D:56 X26.3 Mm
- Propeller Mounting Holes: D:12 M3x4, D:15 M3x4
- Bearing: E70 6857Z*1/E70 695Z7*1
- Number Of Pole Pairs: 14
- Varnished Wire Degree: 180°C
- Magnet Degree: 150°C
- Motor Mounting Holes: D:30 M3x4
- Disruptive Test: 500 V
- Highlight: customized Tethered Power System For Drones
, customized tethered drone systems,
High Voltage tethered drone systems



More Images



Product Description

5005 IPE brushless motor 280KV 350KV 440KV

MAD 50 series are high efficiency drone motors. The motors are designed for long-range inspection drone mapping drone surveying drone quadcopter hexcopter multicopter
1. Arc magnets. 2. Custom stators. 24N28P. 3. Very good motor electromagnetic design.

Designed for rigorous conditions
Over-sized durable bearings for increased life, durability
Water and dust resistant. IP35 degree of protection
Motor mounting holes standardization

280KV Motor:

Characteristics: Lower RPM per volt, higher torque.

Applications: Ideal for larger drones or applications requiring more thrust and stability, often with larger propellers.

350KV Motor:

Characteristics: Medium RPM per volt, balanced torque and speed.

Applications: Suitable for medium-sized drones that need a balance between speed and lifting power, offering versatility for a range of drone types.

440KV Motor:

Characteristics: Higher RPM per volt, lower torque.

Applications: Best for smaller, lighter drones or racing drones where higher speed and agility are needed, typically with smaller propellers.

5005
ENERGY EFFICIENT 280KV
INDUSTRY PROFESSIONAL EDITION
0.5~1.0 kgf
RECOMMENDED
HOVER THRUST
OPTIMIZED
WEIGHT 102g
2.7 kgf
MAXIMUM
THRUST
EFFICIENCY >76%



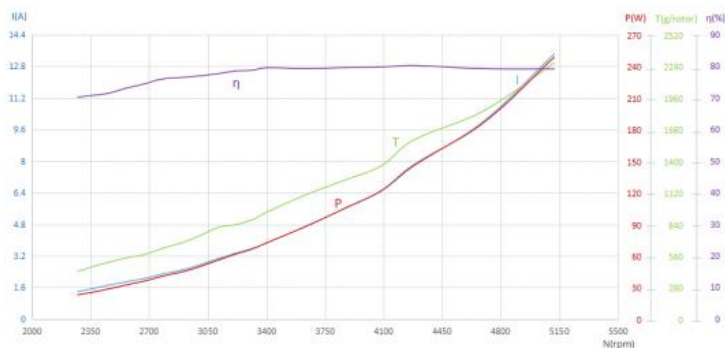
MAD 5005 IPE 280KV FLUXER PRO 18x6.1 MATT AMPX 40A PRO (2-6S)

6S MAX
82°C

Analytical Graph of Motor Operation

I – Current, P – Input Power, η – Electrical Efficiency, T – Thrust, N – Rotational Speed

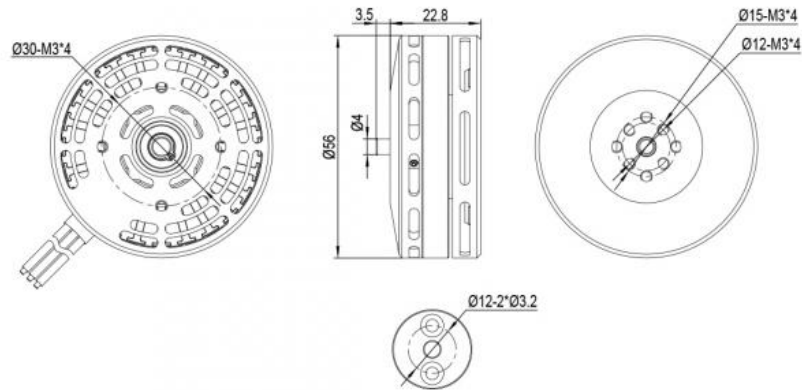
The data above was measured with an input voltage of 24 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.



Motor Data

Motor Model	MAD 5005 IPE V2.0	Number of pole pairs	14
Stator	TAIWAN / Anticorrosive	Varnished wire Degree	180°C
Motor Size	D:56 × 26.3 mm	Magnet Degree	150°C
Degree of Protection	IP35	Cable Length	150 mm 18# Awg(Black) silicone
Centrifugal Heat Dissipation	YES	Rotor Balance	≤5 mg
Propeller Mounting Holes	D:12 M3×4, D:15 M3×4	Motor Balance	≤10 mg
Shaft Diameter	IN: 5 mm	Motor Mounting Holes	D:30 M3×4
Bearing	EZO 685ZZ*1 / EZO 695ZZ*1	Disruptive test	500 V
Additional Accessories	Propeller Plate *1, Ø4-6 Adapter Ring *1, 3.5mm Bullet Connector*3, Heat Shrinkable Tube*3, 125mm 3.1 Motor Frame, 125mm 4.5 Propeller Frame, 125mm 4.5 Propeller Frame, 125mm 4.5 Propeller Frame		

Specifications			
RPM/V	280 KV	Nominal Voltage	6S lipo battery
No Load Current	0.4A/20V	Internal resistance	168mΩ
Motor Weight	102 g	Product Boxed Weight	265g (110 x 110 x 50 mm)
Maximum Current	18.4 A	Maximum Power	429W
Maximum thrust	2.7 kg	Maximum Torque	0.61 Nm
Recommended ESC	MAD AMPX PRO 40A (2-6S)	Recommended Propellers	16x5.4, 17x5.8, 18x6.1, 18x5.7in
UAV take-off weight	6S-17V 3kg--Quadcopter 4.5kg--Hexacopter 8kg--Octocopter	Single rotor take-off weight	0.5kg ~ 1kg



MAD 5005 IPE 280KV FLUXER PRO 16x5.4 MATT AMPX 40A PRO (2-6S)								6S	MAX 61°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
40	23.82	1.26	29.6	19.5	0.080	2343	353	66.05	11.9
42	23.81	1.38	32.5	21.5	0.085	2434	388	66.14	11.9
44	23.81	1.51	35.2	24.0	0.091	2530	419	68.01	11.9
46	23.8	1.64	38.7	26.8	0.098	2616	457	69.30	11.8
48	23.8	1.8	42.2	29.8	0.105	2728	490	70.66	11.6
50	23.79	2.11	49.6	36.4	0.119	2921	567	73.38	11.4
52	23.78	2.4	56.6	42.7	0.132	3095	627	75.48	11.1
54	23.77	2.63	62.0	47.5	0.142	3199	678	76.68	10.9
56	23.76	2.91	68.5	53.2	0.154	3292	755	77.68	11.0
58	23.76	3.11	73.5	57.1	0.160	3406	781	77.70	10.6
60	23.75	3.32	78.4	61.5	0.168	3504	820	78.47	10.5
65	23.73	4.03	95.1	76.0	0.194	3749	950	79.86	10.0
70	23.7	4.8	113.3	90.8	0.218	3987	1088	80.18	9.6
75	23.68	5.53	130.2	104.8	0.238	4210	1195	80.48	9.2
80	23.66	6.41	150.9	121.8	0.263	4432	1314	80.72	8.7
90	23.59	8.49	199.8	162.4	0.320	4844	1617	81.30	8.1
100	23.51	11.22	263.2	213.4	0.382	5332	1948	81.07	7.4

MAD 5005 IPE 280KV FLUXER PRO 17x5.8 MATT AMPX 40A PRO (2-6S)								6S	MAX 74°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
40	23.81	1.39	32.7	23.0	0.097	2272	423	70.24	12.9
42	23.81	1.54	36.0	25.5	0.103	2361	464	70.78	12.9
44	23.8	1.71	39.9	28.5	0.111	2453	503	71.42	12.6
46	23.79	1.88	44.1	32.2	0.120	2558	540	72.99	12.2
48	23.79	2.06	48.6	36.1	0.129	2672	572	74.42	11.8
50	23.78	2.27	53.3	40.5	0.140	2775	624	75.92	11.7
52	23.77	2.58	60.9	46.7	0.152	2939	699	76.64	11.5
54	23.76	3.07	72.3	56.2	0.172	3116	813	77.67	11.2
56	23.75	3.32	78.2	61.4	0.183	3211	835	78.48	10.7
58	23.74	3.57	84.4	66.4	0.192	3312	879	78.72	10.4
60	23.73	3.86	91.2	72.5	0.204	3404	949	79.54	10.4
65	23.71	4.72	111.5	88.3	0.232	3641	1104	79.21	9.9
70	23.68	5.62	132.6	105.6	0.260	3875	1235	79.62	9.3
75	23.65	6.47	152.5	121.6	0.285	4084	1355	79.75	8.9
80	23.61	7.69	180.9	145.2	0.325	4271	1579	80.24	8.7
90	23.54	9.96	234.2	185.6	0.378	4690	1839	79.22	7.9
100	23.44	13.43	314.3	248.6	0.464	5120	2269	79.11	7.2

MAD 5005 IPE 280KV FLUXER PRO 18x6.1 MATT AMPX 40A PRO (2-6S)								6S	MAX 82°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
40	23.8	1.63	38.2	25.4	0.110	2215	482	66.52	12.6
42	23.79	1.81	42.7	28.9	0.120	2297	541	67.77	12.7
44	23.79	1.98	47.0	32.1	0.129	2382	578	68.23	12.3
46	23.79	2.13	50.1	34.8	0.134	2484	604	69.48	12.1
48	23.77	2.39	56.3	39.9	0.148	2584	688	70.95	12.2
50	23.77	2.75	64.9	47.3	0.166	2721	767	72.82	11.8
52	23.75	3.14	74.1	55.4	0.183	2887	855	74.83	11.5

54	23.74	3.43	80.9	61.0	0.195	2987	921	75.42	11.4
56	23.73	3.81	89.9	67.8	0.210	3091	993	75.39	11.0
58	23.72	4.28	101.1	76.3	0.227	3217	1055	75.47	10.4
60	23.71	4.6	108.6	82.2	0.239	3293	1124	75.70	10.3
65	23.68	5.54	130.5	99.2	0.270	3510	1291	76.01	9.9
70	23.65	6.51	153.6	117.1	0.303	3696	1443	76.25	9.4
75	23.61	7.61	179.1	136.8	0.334	3915	1585	76.35	8.9
80	23.58	8.77	206.4	156.8	0.363	4121	1732	75.94	8.4
90	23.48	11.85	277.8	208.3	0.443	4495	2116	74.96	7.6
100	23.36	15.72	366.7	269.0	0.524	4902	2504	73.37	6.8

MAD 5005 IPE 280KV HAVOC 18x5.7 folding propeller AMPX 40A PRO (2-6S)

6S MAX
86°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
40	23.8	1.85	43.7	31.4	0.139	2161	519	71.85	11.9
42	23.79	2.06	48.7	35.1	0.151	2226	574	72.11	11.8
44	23.78	2.29	54.0	39.8	0.164	2323	625	73.61	11.6
46	23.77	2.48	58.4	43.2	0.172	2405	676	74.04	11.6
48	23.77	2.68	62.9	47.1	0.181	2488	705	74.87	11.2
50	23.75	3.18	74.9	57.1	0.206	2653	817	76.29	10.9
52	23.74	3.69	87.0	67.5	0.231	2792	935	77.59	10.7
54	23.73	4.08	96.6	74.5	0.245	2904	996	77.07	10.3
56	23.71	4.48	105.9	81.9	0.261	2994	1071	77.35	10.1
58	23.69	4.96	117.0	90.2	0.277	3108	1131	77.05	9.7
60	23.69	5.35	126.3	97.5	0.292	3185	1190	77.18	9.4
65	23.65	6.35	149.7	115.6	0.330	3349	1368	77.20	9.1
70	23.62	7.47	175.9	134.6	0.362	3555	1498	76.52	8.5
75	23.58	8.86	208.2	157.9	0.402	3751	1693	75.84	8.1
80	23.54	10.25	240.5	179.4	0.434	3944	1859	74.61	7.7
90	23.43	13.7	320.6	230.4	0.513	4291	2226	71.88	6.9
100	23.29	18.43	428.7	295.1	0.607	4645	2650	68.82	6.2

The above data are the theoretical values when the input voltage is 24 V, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 18A is non-working zone. 5-18A is short-term (about 10-30s), working zone, and below 5A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.

5005

ENERGY EFFICIENT 350KV

INDUSTRY PROFESSIONAL EDITION

1.0~1.5 kgf

RECOMMENDED
HOVER THRUST

2.90 kgf



MAXIMUM
THRUST

OPTIMIZED
WEIGHT

106g

EFFICIENCY >78%



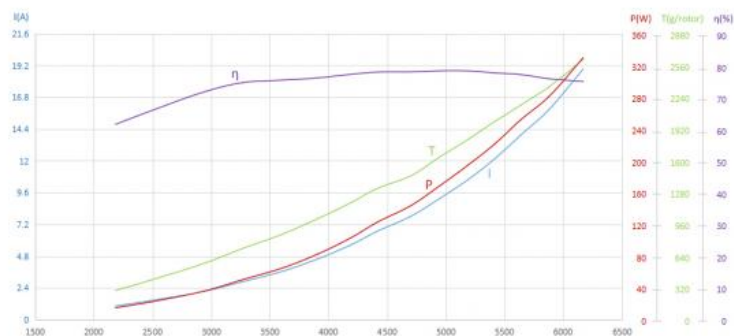
MAD 5005 IPE 350KV FLUXER PRO 16x5.4 MATT AMPX 40A PRO (2-6S)

6S MAX
61°C

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



Specifications

RPM/V	350 KV	Nominal Voltage	6S lipo battery
No Load Current	0.7A/20V	Internal resistance	118mΩ
Motor Weight	106 g	Product Boxed Weight	264g (110 x 110 x 50 mm)
Maximum Current	22 A	Maximum Power	508W

Maximum thrust	2.9 kg	Maximum Torque	0.58 Nm
Recommended ESC	MAD AMPX PRO 40A (2-6S)	Recommended Propellers	15x5.0, 16.1x6.4, 16x5.4, 17x5.8
UAV take-off weight	6S-16"/ 4kg--Quadcopter 6kg--Hexacopter 8kg--Octocopter	Single rotor take-off weight	1kg ~ 1.5kg

MAD 5005 IPE 350KV FLUXER PRO 15x5.0 MATT AMPX 40A PRO (2-6S)								6S	MAX 59°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	23.83	0.84	19.4	12.7	0.053	2292	212	65.49	10.6
35	23.82	1.15	26.9	19.2	0.071	2603	308	71.25	11.2
40	23.81	1.67	39.4	29.8	0.093	3049	439	75.51	11.0
45	23.78	2.24	52.7	40.7	0.114	3398	569	77.05	10.7
50	23.77	2.82	66.4	52.6	0.134	3745	674	79.21	10.1
55	23.74	3.54	83.7	67.1	0.157	4075	813	80.18	9.7
60	23.72	4.28	100.9	82.1	0.180	4349	935	81.24	9.2
65	23.69	5.1	120.5	98.5	0.202	4647	1070	81.67	8.9
70	23.66	6.08	143.4	118.3	0.229	4927	1218	82.47	8.5
75	23.64	7.01	165.2	134.8	0.247	5210	1353	81.54	8.2
80	23.6	8.16	191.9	158.4	0.276	5475	1502	82.49	7.8
85	23.56	9.46	222.3	183.8	0.307	5716	1670	82.60	7.5
90	23.51	10.8	253.4	208.2	0.331	6015	1826	82.10	7.2
95	23.46	12.33	288.8	237.1	0.361	6269	2002	82.03	6.9
100	23.4	14.47	338.0	277.3	0.400	6613	2209	82.00	6.5

MAD 5005 IPE 350KV CF FLUXER-VTOL 16.1*6.4 AMPX 40A PRO (2-6S)								6S	MAX 66°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
40	23.77	2.35	55.2	39.2	0.130	2884	608	70.99	10.9
42	23.76	2.64	62.5	44.8	0.142	3023	669	71.59	10.7
44	23.75	2.91	68.8	50.2	0.152	3158	728	72.96	10.5
46	23.74	3.27	77.4	57.5	0.167	3280	810	74.19	10.4
48	23.73	3.65	86.0	64.9	0.182	3415	881	75.39	10.2
50	23.72	3.98	93.8	71.4	0.193	3534	951	76.04	10.1
52	23.71	4.32	102.0	77.7	0.204	3635	1015	76.16	9.9
54	23.7	4.69	110.7	84.9	0.216	3748	1070	76.59	9.6
56	23.69	5.07	119.5	92.0	0.228	3860	1136	76.92	9.5
58	23.68	5.44	128.4	99.4	0.240	3960	1194	77.43	9.3
60	23.66	5.88	138.6	107.6	0.253	4067	1264	77.62	9.1
65	23.62	7.29	171.8	133.2	0.292	4352	1466	77.51	8.5
70	23.58	8.56	201.2	155.7	0.323	4608	1628	77.35	8.1
75	23.53	9.98	234.3	180.9	0.357	4848	1805	77.19	7.7
80	23.48	11.59	271.6	208.7	0.392	5081	1967	76.78	7.2
90	23.37	15.17	354.0	267.6	0.463	5514	2355	75.55	6.6
100	23.21	20.54	476.3	348.5	0.553	6016	2804	73.13	5.9

MAD 5005 IPE 350KV FLUXER PRO 16x5.4 MATT AMPX 40A PRO (2-6S)								6S	MAX 61°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	23.82	1.04	24.3	15.0	0.066	2183	293	61.46	11.8
35	23.81	1.44	34.0	22.4	0.086	2483	398	65.67	11.6
40	23.78	2.14	50.2	36.0	0.117	2941	567	71.69	11.1
45	23.76	2.87	67.7	50.5	0.148	3270	718	74.61	10.5
50	23.74	3.66	86.3	65.1	0.172	3609	862	75.39	9.9
55	23.71	4.59	108.4	82.6	0.202	3906	1017	76.08	9.3
60	23.68	5.62	132.6	102.4	0.234	4182	1174	77.18	8.8
65	23.64	6.69	157.7	123.0	0.266	4418	1323	77.91	8.4
70	23.61	7.81	183.9	143.5	0.292	4700	1448	77.98	7.9
75	23.56	9.16	215.2	168.6	0.326	4948	1639	78.32	7.6
80	23.52	10.59	248.7	194.8	0.359	5190	1816	78.30	7.3
85	23.47	12.14	284.3	220.9	0.390	5413	1993	77.66	7.0
90	23.42	13.93	325.8	251.5	0.426	5636	2160	77.14	6.6
95	23.36	15.83	369.2	280.3	0.456	5873	2341	75.85	6.3
100	23.26	18.94	439.8	329.9	0.511	6171	2621	74.95	6.0

MAD 5005 IPE 350KV FLUXER PRO 17x5.8 MATT AMPX 40A PRO (2-6S)								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]
40	23.77	2.54	60.0	41.8	0.141	2843	660	69.65	10.9
42	23.76	2.83	66.9	47.6	0.153	2977	710	71.10	10.6
44	23.75	3.22	75.9	55.0	0.168	3129	790	72.48	10.3
46	23.74	3.54	83.7	61.0	0.180	3247	850	72.84	10.1
48	23.73	3.96	93.3	69.0	0.196	3366	936	73.91	10.0
50	23.72	4.33	102.3	75.5	0.207	3494	991	73.78	9.7
52	23.71	4.7	110.8	82.3	0.219	3584	1054	74.27	9.5
54	23.69	5.04	118.8	88.3	0.229	3687	1106	74.30	9.3
56	23.68	5.4	127.2	95.2	0.241	3774	1153	74.77	9.0
58	23.67	5.86	138.0	103.5	0.254	3891	1222	74.97	8.8
60	23.65	6.34	149.6	112.4	0.269	3989	1305	75.11	8.7
65	23.61	7.87	185.2	139.4	0.313	4250	1511	75.22	8.1
70	23.56	9.36	220.1	164.3	0.349	4502	1691	74.60	7.7
75	23.51	10.87	255.0	190.2	0.384	4730	1865	74.54	7.3
80	23.47	12.48	292.3	218.0	0.419	4970	2029	74.52	6.9
90	23.34	16.49	384.3	278.6	0.496	5366	2431	72.43	6.3
100	23.26	21.86	549.8	366.1	0.601	6045	3061	68.88	5.6

1W	23.10	21.30	20.70	20.1	19.01	20.42	20.01	19.00	3.0
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The above data are the theoretical values when the input voltage is 24 V, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 22A is non-working zone. 5-22A is short-term (about 10-30s), working zone, and below 5A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.

5005

ENERGY EFFICIENT 440KV

INDUSTRY PROFESSIONAL EDITION

1.0~1.5 kgf

RECOMMENDED HOVER THRUST

3.00 kgf

MAXIMUM THRUST

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

OPTIMIZED WEIGHT

108g

EFFICIENCY >81%



MAD 5005 IPE 440KVFLUXER PRO 14x4.8 MATTAMPX 40A PRO (2-6S)

6S

MAX 77°C

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

Specifications

RPM/V	440 KV	Nominal Voltage	4-6S lipo battery
No Load Current	0.9A/20V	Internal resistance	68mΩ
Motor Weight	108 g	Product Boxed Weight	268g (110 x 110 x 50 mm)
Maximum Current	26 A	Maximum Power	572W
Maximum thrust	3.0 kg	Maximum Torque	0.56 Nm
Recommended ESC	MAD AMPX PRO 40A (2-6S)	Recommended Propellers	14x4.8, 15x5.0, 17x5.8, 18x6.1, 18x5.7
UAV take-off weight	4S-14" 4kg-Quadcopter 6kg-Hexacopter 8kg-Octocopter	Single rotor take-off weight	1kg – 1.5kg

MAD 5005 IPE 440KVFLUXER PRO 14x4.8 MATTAMPX 40A PRO (2-6S)

6S

MAX 77°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	24	1.03	23.9	16.1	0.055	2836	278	68.90	11.8
35	24	1.5	35.5	25.3	0.073	3301	384	72.70	11.0
40	23.98	2.22	52.7	39.6	0.100	3795	539	78.20	10.7
45	23.97	2.9	69.3	52.9	0.120	4207	651	79.80	9.8
50	23.95	3.62	86.2	67.5	0.142	4551	773	81.40	9.3
55	23.94	4.48	106.7	84.0	0.162	4945	901	81.80	8.8
60	23.92	5.42	129.2	103.0	0.186	5304	1024	83.00	8.3
65	23.9	6.56	156.3	124.7	0.210	5659	1171	82.90	7.8
70	23.87	7.98	190.0	154.1	0.244	6037	1365	84.20	7.5
75	23.85	9.42	224.3	180.6	0.272	6343	1525	83.50	7.0
80	23.83	10.72	254.9	205.1	0.295	6647	1665	83.40	6.8
85	23.79	12.75	302.7	245.6	0.333	7047	1888	83.90	6.5
90	23.76	14.74	349.7	283.2	0.366	7387	2077	83.60	6.1
95	23.72	16.89	400.1	321.7	0.398	7709	2267	82.90	5.8
100	23.65	20.34	480.6	384.8	0.450	8162	2568	82.30	5.5

MAD 5005 IPE 440KVFLUXER PRO 15x5.0 MATTAMPX 40A PRO (2-6S)

4S

MAX 88°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	24.01	1.12	26.5	18.3	0.064	2758	329	70.00	12.5
35	24	1.66	39.1	28.5	0.086	3166	456	73.90	11.8
40	23.99	2.48	59.0	44.7	0.116	3666	628	78.30	11.0
45	23.97	3.47	81.8	67.8	0.146	4056	808	80.70	10.8

Model	6.2-7.7	7.7-8.6	8.6-10.2	10.2-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	20.0-22.0
50	23.95	4.49	106.9	83.5	0.177	4503	986	81.10	9.6
55	23.93	5.49	131.2	103.1	0.205	4816	1136	81.90	9.0
60	23.91	6.73	160.4	126.8	0.235	5161	1306	82.20	8.5
65	23.88	8.01	190.7	148.9	0.260	5463	1460	81.00	7.9
70	23.86	9.67	230.2	179.1	0.295	5808	1696	80.70	7.6
75	23.82	11.46	272.2	209.3	0.324	6164	1886	79.50	7.2
80	23.8	13.26	314.9	241.6	0.357	6470	2082	79.30	6.8
85	23.75	15.45	366.4	283.9	0.401	6764	2307	80.00	6.5
90	23.71	17.82	422.1	323.1	0.434	7108	2535	78.90	6.2
95	23.67	20.29	479.9	362.5	0.468	7398	2739	77.70	5.9
100	23.6	24.26	572.0	431.7	0.530	7784	3024	77.40	5.4

MAD 5005 IPE 440KV FLUXER PRO 17x5.8 MATT AMPX 40A PRO (2-6S)								4S	MAX 59℃
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	16.01	0.95	14.8	10.3	0.055	1796	252	71.00	17.3
35	15.99	1.41	22.0	16.2	0.075	2071	343	75.90	16.0
40	15.99	1.92	30.3	22.5	0.093	2313	430	77.90	14.8
45	15.97	2.55	40.3	30.4	0.114	2561	540	80.90	14.4
50	15.96	3.49	55.3	42.9	0.142	2890	679	82.60	13.1
55	15.94	4.83	76.7	60.2	0.179	3223	857	83.80	11.9
60	15.92	5.89	93.2	72.7	0.200	3475	966	82.60	11.0
65	15.9	7.11	112.7	88.2	0.228	3690	1112	83.00	10.5
70	15.87	8.41	132.9	104.3	0.254	3916	1211	83.00	9.6
75	15.85	9.91	156.6	123.6	0.287	4111	1397	83.30	9.4
80	15.82	11.36	179.3	139.3	0.310	4292	1532	81.90	9.0
85	15.79	13	204.9	159.1	0.339	4488	1663	81.80	8.5
90	15.76	14.87	234.1	179.7	0.368	4669	1806	80.70	8.1
95	15.73	16.85	264.7	201.3	0.396	4853	1966	79.70	7.8
100	15.68	19.85	310.8	235.0	0.441	5093	2181	79.00	7.3

MAD 5005 IPE 440KV FLUXER PRO 18x6.1 MATT AMPX 40A PRO (2-6S)								4S	MAX 70℃
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	15.86	1.04	15.9	11.8	0.066	1719	258	78.70	17.2
35	15.84	1.57	24.4	18.4	0.088	1988	379	79.90	16.5
40	15.83	2.16	33.8	25.2	0.109	2218	479	79.20	15.0
45	15.82	2.78	43.5	32.8	0.129	2434	573	79.90	13.9
50	15.81	3.79	59.5	45.1	0.160	2705	724	79.90	12.8
55	15.77	5.36	84.1	64.0	0.201	3048	918	80.20	11.5
60	15.76	6.59	103.1	79.4	0.233	3261	1067	80.90	10.9
65	15.73	7.99	125.2	95.8	0.264	3462	1222	80.10	10.2
70	15.7	9.43	147.6	112.7	0.294	3665	1367	79.90	9.7
75	15.67	11.11	173.6	131.7	0.326	3861	1516	79.30	9.1
80	15.65	12.71	198.3	150.2	0.355	4041	1660	79.00	8.7
85	15.62	14.72	229.5	171.9	0.388	4230	1824	78.00	8.3
90	15.58	16.86	262.2	194.4	0.421	4406	1957	76.90	7.8
95	15.54	19.18	297.3	218.2	0.456	4571	2109	75.90	7.3
100	15.48	22.4	346.2	250.1	0.499	4787	2322	74.50	6.9

MAD 5005 IPE 440KV HAVOC 18x5.7 folding propeller AMPX 40A PRO (2-6S)								4S	MAX 76℃
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/W]
30	15.84	1.15	17.9	13.1	0.076	1666	280	77.90	16.6
35	15.84	1.77	27.6	20.2	0.101	1912	410	77.70	15.8
40	15.83	2.46	38.4	28.5	0.128	2132	515	78.30	14.2
45	15.82	3.17	49.5	36.8	0.151	2333	563	78.10	12.0
50	15.8	4.21	66.0	49.3	0.184	2564	691	78.90	11.1
55	15.77	6.07	95.3	71.8	0.236	2911	978	79.30	10.8
60	15.74	7.69	120.5	90.9	0.276	3141	1139	79.00	9.9
65	15.71	9.01	141.0	104.3	0.299	3332	1256	77.50	9.3
70	15.69	10.46	163.6	120.8	0.329	3504	1398	77.20	8.9
75	15.66	12.35	192.8	140.1	0.364	3676	1486	75.80	8.0
80	15.62	14.67	228.5	165.2	0.405	3894	1776	75.30	8.1
85	15.59	16.61	258.4	183.3	0.436	4017	1885	73.70	7.6
90	15.54	18.91	293.3	204.5	0.466	4195	1975	72.20	7.0
95	15.49	21.83	337.6	234.5	0.513	4364	2074	71.70	6.3
100	15.42	25.73	396.2	266.3	0.558	4555	2485	69.10	6.4

The above data are the theoretical values when the input voltage is 16 V, for reference only, in the case of room temperature of 25℃ and no additional cooling device, the current over 26A is non-working zone,9-26A is short-term (about 10-30s), working zone, and below 9A 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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