# Product Description

# 5005 EEE brushless DC motor 280KV 350KV 440KV Drone

MAD 50 series are high efficiency drone motors. The motors are designed for long,range inspection drone mapping drone surveying drone quadcopter hexcoptermulitirotor

1,Arc magnets. 2.Customs stators. 24N28P, 3. Very good motor electromagneticdesign. **280KV**: Large drones or heavy-lift drones where stability and lifting capability are crucial.

350KV: Medium-sized drones that need a balance of speed and lifting power.

5005 EEE brushless DC motor 280KV 350KV 440KV Drone

### Basic Information

• Place of Origin: Guangdong, China

• Brand Name: GS

• Model Number: 5005 EEE 280KV 350KV 440KV

• Price: Negotiable



### **Product Specification**

Motor Model: MAD 5005 EEE V2.0
Stator: Anticorrosive
Motor Size: D:56 X27.7 Mm
Degree Of Protection: Rain Protection
Propeller Mounting Holes: D:12 M3x2, D:18 M3x2
Bearing: EZO 685ZZ\*1/EZO 695ZZ\*1

Number Of Pole Pairs: 14
 Varnished Wire Degree: 180°C
 Magnet Degree: 150°C

• Motor Mounting Holes: D:25 M3x4, D:30 M3x4

• Disruptive Test: 500 V

Highlight: Tether Drone Systems Long Endurance,

Long Endurance tethered uav systems















5005

ENERGY EFFICIENT 280KV ENTHUSIASTS EXTREME EDITION

0.5~1.0 kgf

2.7 kgf

MAXIMUM MAXIMUNTHRUST MAY DEFENDED BATTERY LEVEL PROPELLER TYPE. ARE PRESSURE AND OTHER CONTRI

OPTIMIZED 88 g

EFFICIENCY > 76%



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.

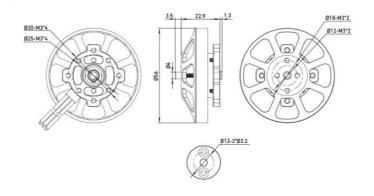
Analytical Graph of Motor Operation

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.

Provided Table 1800 - 1800

Motor Data			
Motor Model	MAD 5005 EEE V2.0	Number of pole pairs	14
Stator	TAIWAN / Anticorrosive	Varnished wire Degree	180°C
Motor Size	D:56 × 27.7 mm	Magnet Degree	150°C
Degree of Protection	Rain protection	Cable Length	150 mm 18# Awg(Black) silicone
Centrifugal Heat Dissipation	Independent	Rotor Balance	≤5 mg
Propeller Mounting Holes	D:12 M3×2, D:18 M3×2	Motor Balance	≤10 mg
Shaft Diameter	IN: 5 mm	Motor Mounting Holes	D:25 M3×4, D:30 M3×4
Bearing	EZO 685ZZ*1 / EZO 695ZZ*1	Disruptive test	500 V
Additional Accessories	Propeller Plate *1, Ø4-6 Adapter Ring		t Shrinkable Tube*3,

Specifications			
RPM/V	280 KV	Nominal Voltage	65 lipo battery
No Load Current	0.4A/20V	Internal resistance	167mΩ
Motor Weight	88 g	Product Boxed Weight	251g (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 (2-65)	Recommended Propellers	16×5.4, 17x5.8, 18x6.1, 18x5.7in
UAV take-off weight	65-17"/ 3kgQuadcopter	Single rotor take-off weight	0.5kg - 1kg



MAD 5005 EEE 280KV FLUXER PRO 16x5.4 MATT AMPX 40A PRO (2-6S)

6S MAX 53℃

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
100		2.27	(2000)			name.		C 444	

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 EEE 280KV FLUXER PRO 17x5.8 MATT AMPX 40A PRO (2-6S)

6S MAX 65°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 EEE 280KV FLUXER PRO 18x6.1 MATT AMPX 40A PRO (2-65)

6S MAX 75°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 EEE 280KV HAVOC 18x5.7 folding propeller AMPX 40A PRO (2-6S)

6S MAX 78°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 184 is non-working zone.5-184 is short-term (about 10-30s), working zone, and below \$4\$ is sustainable working zone. In actual use, please control the moder running time according to the working environment temperature and head sidspation conditions.

**ENERGY EFFICIENT 350KV** ENTHUSIASTS EXTREME EDITION

1.0~1.5 kgf
RECOMMENDED HOVER THRUST
RECOMMENDED THRUST
RECOMMENDED HOVER THRUST
RECOMMENDED THRUST
HOVER THRUST
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RECOMME



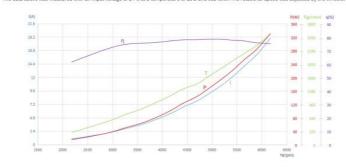
 $_{\text{WEIGHT}}^{\text{OPTIMIZED}} 90\,g \qquad \qquad \text{efficiency} > 78\%$ 



MAX 54°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 throtti



Specifications			
RPM/V	350 KV	Nominal Voltage	6S lipo battery
No Load Current	0.7A/20V	Internal resistance	118mΩ
Motor Weight	90 g	Product Boxed Weight	253g (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"/ 4kgQuadcopter 6kgHexacopter 8kgOctocopter	Single rotor take-off weight	1kg ~ 1.5kg

#### MAD 5005 EEE 350KV FLUXER PRO 15x5.0 MATT AMPX 40A PRO (2-6S)

6S MAX 52°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 EEE 350KV CF FLUXER-VTOL 16.1\*6.4 AMPX 40A PRO (2-6S)

6S MAX 56℃

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

6S MAX 54℃

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 EEE 350KV FLUXER PRO 17x5.8 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]
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	23.16	21.95	507.8	355.1	0.581	5842	2851	69.88	5.6

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.

**ENERGY EFFICIENT 440KV** ENTHUSIASTS EXTREME EDITION

1.0~1.5 kgf

3.00 kgf

RECOMMENDED HOVER THRUST

MAXIMUM MAXIMUM THRUST MAY GEPEND OF THRUST MATTER LIVEL PROPERTY ARPRESSAGE AND OTHER CONFORMATION.

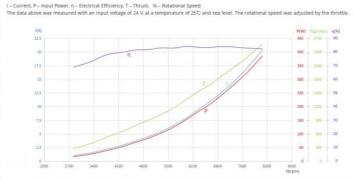
OPTIMIZED 92 g

EFFICIENCY >81%



65

MAX 72℃



Specifications			
RPM/V	440 KV	Nominal Voltage	4-6S lipo battery
No Load Current	0.9A/20V	Internal resistance	68mΩ
Motor Weight	92 g	Product Boxed Weight	255g (110 x 110 x 50 mm)
Maximum Current	25.7 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, 18x5.7, 17x5.8, 18x6.
UAV take-off weight	45-14"/ 4kgQuadcopter 6kgHexacopter 8kgOctocopter	Single rotor take-off weight	1kg ~ 1.5kg

#### MAD 5005 EEE 440KV FLUXER PRO 14x4.8 MATT AMPX 40A PRO (2-6S)

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	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 EEE 440KV FLUXER PRO 15x5.0 MATT AMPX 40A PRO (2-65)

4S 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	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	3.42	81.3	62.8	0.146	4095	808	80.20	10.3
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 8.01	160.4	126.8	0.235	5161 5463	1306	82.20 81.00	7.
70	23.86	9.67	230.2	179.1	0.295	5808	1696	80.70	7.
75	23.82	11.46	272.2	209.3	0.324	6164	1886	79.50	7.
80	23,8	13.26	314.9	241.6	0.357	6470	2082	79.30	6.
85	23.75	15.45	366.4	283.9	0.401	6764	2307	80.00	6.
90	23.71	17.82	422.1	323.1	0.434	7108	2535	78.90	6.
95	23.67	20.29	479.9	362.5	0.468	7398	2739	77.70	.5.
100	23.6	24.26	572.0	431.7	0.530	7784	3024	77.40	5.
MAD 50	005 EEE 440F	KV FLUXE	R PRO 17x5.	8 MATT AI	MPX 40A PRO	O (2-6S)		45	M. 54
hrottle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Effici Egf
30	16.01	0.95	14.8	10.3	0.055	1796	252	71.00	17
35	15.99	1.41	22.0	16.2	0.075	2071	343	75.90	16
40	15.99	1.92	30.3	22.5	0.093	2313	430	77.90	14
45	15.97	2.55	40.3	30.4	0.114	2561	540	80.90	14
50	15.96	3.49	55.3	42.9	0.142	2890	679	82.60	13
55	15.94	4.83	76.7	60.2	0.179	3223	857	83.80	11
60	15.92	5.89	93.2	72.7	0.179	3475	966	82.60	11
65	15.92	7.11	112.7	88.2	0.228	3690	1112	83.00	10
70	15.87	8.41	132.9	104.3	0.254	3916	1211	83.00	9.
	15.85	9.91	156.6	123.6	0.254	4111	1397	83.30	9.
75 80	15.85	11.36	179.3	123.6	0.287	4111	1532	81.90	9.
				1770					
85	15.79	13	204.9	159.1	0.339	4488	1663	81.80	8
90	15.76	14.87	234.1	179.7	0.368	4669	1806	80.70	8.
95	15.73	16.85	264.7	201.3	0.396	4853	1966	79.70	7.
100 MAD 50	15.68 005 EEE 440F	19.85	310.8 R PRO 18x6.	235.0 1 MATT AI	0.441 MPX 40A PRO	5093 O (2-6S)	2181	79.00 4S	7. M.
Throttle	Voltage	Current	Input	Output Power	Torque		Thrust	Efficiency	65 Effic
[%]	M	[A]	Power [W]	[W]	[N×m]	RPM	(gf)	(%)	fgf
30	15.86	1.04	15.9	11.8	0.066		258	78.70	
						1719			
35	15.84	1.57	24.4	18.4	0.088	1988	379	79.90	16
40	15.84 15.83	2.16	24.4 33.8	18.4 25.2	0.088 0.109	1988 2218	379 479	79.90 79.20	16
40 45	15.84 15.83 15.82	2.16 2.78	24.4 33.8 43.5	18.4 25.2 32.8	0.088 0.109 0.129	1988 2218 2434	379 479 573	79.90 79.20 79.90	16 15 13
40 45 50	15.84 15.83 15.82 15.81	2.16 2.78 3.79	24.4 33.8 43.5 59.5	18.4 25.2 32.8 45.1	0.088 0.109 0.129 0.160	1988 2218 2434 2705	379 479 573 724	79.90 79.20 79.90 79.90	16 15 13
40 45 50 55	15.84 15.83 15.82 15.81 15.77	2.16 2.78 3.79 5.36	24.4 33.8 43.5 59.5 84.1	18.4 25.2 32.8 45.1 64.0	0.088 0.109 0.129 0.160 0.201	1988 2218 2434 2705 3048	379 479 573 724 918	79.90 79.20 79.90 79.90 80.20	16 15 13 12
40 45 50 55 60	15.84 15.83 15.82 15.81 15.77 15.76	2.16 2.78 3.79 5.36 6.59	24.4 33.8 43.5 59.5 84.1 103.1	18.4 25.2 32.8 45.1 64.0 79.4	0.088 0.109 0.129 0.160 0.201 0.233	1988 2218 2434 2705 3048 3261	379 479 573 724 918 1067	79.90 79.20 79.90 79.90 80.20 80.90	16 15 13 12 11
40 45 50 55	15.84 15.83 15.82 15.81 15.77	2.16 2.78 3.79 5.36	24.4 33.8 43.5 59.5 84.1	18.4 25.2 32.8 45.1 64.0	0.088 0.109 0.129 0.160 0.201	1988 2218 2434 2705 3048	379 479 573 724 918	79.90 79.20 79.90 79.90 80.20	16 15 13 12 11
40 45 50 55 60	15.84 15.83 15.82 15.81 15.77 15.76	2.16 2.78 3.79 5.36 6.59	24.4 33.8 43.5 59.5 84.1 103.1	18.4 25.2 32.8 45.1 64.0 79.4	0.088 0.109 0.129 0.160 0.201 0.233	1988 2218 2434 2705 3048 3261	379 479 573 724 918 1067	79.90 79.20 79.90 79.90 80.20 80.90	16 15 13 12 11 10
40 45 50 55 60 65	15.84 15.83 15.82 15.81 15.77 15.76 15.73	2.16 2.78 3.79 5.36 6.59 7.99	24.4 33.8 43.5 59.5 84.1 103.1 125.2	18.4 25.2 32.8 45.1 64.0 79.4 95.8	0.088 0.109 0.129 0.160 0.201 0.233 0.264	1988 2218 2434 2705 3048 3261 3462	379 479 573 724 918 1067 1222	79.90 79.20 79.90 79.90 80.20 80.90 80.10	16 15 13 12 11 10 10
40 45 50 55 60 65 70	15.84 15.83 15.82 15.81 15.77 15.76 15.73	2.16 2.78 3.79 5.36 6.59 7.99 9.43	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294	1988 2218 2434 2705 3048 3261 3462 3665	379 479 573 724 918 1067 1222 1367	79.90 79.20 79.90 79.90 80.20 80.90 80.10 79.90	16 15 13 12 11 10 10 9,
40 45 50 55 60 65 70 75	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.7	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294	1988 2218 2434 2705 3048 3261 3462 3665 3861	379 479 573 724 918 1067 1222 1367 1516	79.90 79.20 79.90 79.90 80.20 80.90 80.10 79.90 79.30	16 15 13 12 11 10 10 9 9
40 45 50 55 60 65 70 75 80	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.7 15.67	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.326	1988 2218 2434 2705 3048 3261 3462 3665 3861 4041	379 479 573 724 918 1067 1222 1367 1516	79,90 79,20 79,90 79,90 80,20 80,90 80,10 79,90 79,30 79,00	16 15 13 12 11 10 10 9, 9, 8,
40 45 50 55 60 65 70 75 80 85	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.7 15.67 15.65	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.326 0.355	1988 2218 2434 2705 3048 3261 3462 3665 3861 4041 4230	379 479 573 724 918 1067 1222 1367 1516 1660	79.90 79.20 79.90 79.90 80.20 80.90 80.10 79.90 79.30 79.00	16 15 13 12 11 10 10 9 9 8 8
40 45 50 55 60 65 70 75 80 85 90	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.7 15.67 15.65 15.62	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.326 0.355 0.388	1988 2218 2434 2705 3048 3261 3462 3665 3861 4041 4230 4406	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957	79.90 79.20 79.90 79.90 80.20 80.90 80.10 79.90 79.30 79.00 78.00 76.90	16 15 13 12 11 10 10 9 9 8 8 8 7
40 45 50 55 60 65 70 75 80 85 90 95	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.7 15.67 15.65 15.62 15.58	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.326 0.355 0.388 0.421 0.499	1988 2218 2434 2705 3048 3261 3462 3665 3861 4041 4230 4406	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322	79,90 79,20 79,90 79,90 80,20 80,90 80,10 79,90 79,30 79,30 78,00 76,90 75,90	17 16 15 13 12 11 10 10 9 9 8 8 7 7 7 6 MM
40 45 50 55 60 65 70 75 80 85 90 95 100	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.7 15.67 15.65 15.65 15.65	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2 18x5.7 folco	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2 250.1	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.326 0.355 0.388 0.421 0.499	1988 2218 2434 2705 3048 3261 3462 3665 3861 4041 4230 4406 4571	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322	79.90 79.20 79.90 79.90 80.20 80.90 80.10 79.90 79.30 79.00 78.00 76.90 74.50	16 15 13 12 11 10 10 10 10 10 10 10 10 10 10 10 10
40 45 50 55 60 65 70 75 80 85 90 95 100 MAD 50	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.67 15.65 15.65 15.65 15.54 15.48	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4  Current [A]	24.4 33.8 43.5 55.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2 18x5.7 folcomorphisms Input Power [W]	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2 250.1 ing propelle	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.326 0.355 0.388 0.421 0.456 0.499	1988 2218 2434 2705 3048 3261 3462 3665 3861 4041 4230 4406 4571 4787	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322 5)	79.90 79.20 79.90 79.90 80.20 80.90 80.10 79.90 79.90 78.00 76.90 75.90 74.50 45	16 15 13 12 11 10 10 10 10 10 10 10 10 10 10 10 10
40 45 50 55 60 65 70 75 80 85 90 95 100 MAD 50	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.7 15.67 15.62 15.58 15.54 15.48 15.48 15.48 15.48	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4 KV HAVOC Current [A]	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 193.3 229.5 262.2 297.3 346.2 18x5.7 fold input Power [W]	18.4 25.2 32.8 45.1 64.0 75.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2 250.1 ing propelle Output Power [W]	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.355 0.388 0.421 0.456 0.499 Torque [N+m]	1988 2218 2438 2439 2705 3048 3261 3462 3665 3861 4041 4230 4406 4571 4787 4787 4787 4787 4787	379 479 573 724 918 1067 1222 1367 1516 1660 16824 1997 2009 2322	79.90 79.20 79.90 79.90 80.20 80.90 80.10 79.90 78.00 78.00 76.90 74.50 45	166 158 131 122 111 100 100 9.9 8.8 8.8 7.7 7.7 6. M.7 71
40 45 50 55 60 65 70 75 80 85 90 95 100 MAD 50 Throttle	15.84 15.83 15.82 15.81 15.77 15.76 15.77 15.67 15.62 15.58 15.54 15.48 Voltage (V)	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 16.86 19.18 22.4 KV HAVOC Current [A]	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2 18x5.7 folc Input Power [V]	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2 250.1 Uutput Power [W]	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.326 0.356 0.491 0.456 0.499  T AMPX 40	1988 2218 2434 2705 3048 3261 3462 3665 3861 4041 4230 4406 4571 4787 VA PRO (2-6S	379 479 573 724 918 1067 1516 1660 1824 1957 2109 2322	79.90 79.20 79.90 80.20 80.90 80.10 79.90 79.30 79.30 78.00 76.90 75.90 74.50  Efficiency (%) 77.90 77.70	16 15 13 12 11 10 10 10 10 10 10 10 10 10 10 10 10
40 45 50 55 60 65 70 75 80 95 100 MAD 50 Throttle [%]	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.67 15.65 15.65 15.64 15.48 Voltage (V) 15.84 15.84 15.84 15.84	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4  Current [A] 1.15 1.77 2.46	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2 18x5.7 fold input Power [W] 17.9 27.6 38.4	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2 250.1 Unity Power [W]	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.326 0.355 0.421 0.456 0.499 Tarque [Num] 0.076	1988 2218 2434 2705 3048 3261 3462 3665 3861 4041 4230 4240 4571 4787 A PRO (2-65	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322 5) Thrust [80] 410 515	79.90 79.20 79.90 80.20 80.90 80.10 79.90 79.90 79.90 79.90 76.90 75.90 74.50  45  Efficiency [%]	16 15 13 12 11 10 10 10 10 10 10 10 10 10 10 10 10
40 45 50 60 65 70 75 80 85 90 95 100  MAD 50  Throttle [90] 30 45	15.84 15.83 15.82 15.81 15.77 15.76 15.77 15.67 15.67 15.62 15.58 15.58 15.54 15.48 Voltage (V) 15.84 15.84 15.83 15.82	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4  Current [A] 1.15 1.77 2.46 3.17	24.4 33.8 43.5 55.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2 18x5.7 folc Input Power [W] 17.9 27.6 38.4 49.5	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2 250.1 ing propelle Output Power [W]	0.088 0.109 0.129 0.129 0.201 0.233 0.264 0.294 0.236 0.355 0.388 0.421 0.456 0.499 Torque [N:m] 0.076 0.101 0.128 0.151	1988 2218 2434 2705 3048 3261 3462 3665 3861 4041 4230 4406 4571 4787 A PRO (2-65 85%)	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322 5) Thrust (80) 280 410 515 563	79.90 79.20 79.90 79.90 80.20 80.90 80.10 79.90 78.00 78.00 78.00 74.50  45  Efficiency (%) 77.90 77.70 78.30 78.10	166 155 144 122
40 45 50 66 65 70 75 80 85 90 95 100 MAD 50  MAD 50 40 45 50	15.84 15.83 15.82 15.81 15.77 15.76 15.76 15.67 15.67 15.62 15.58 15.54 15.48 15.48 15.48 15.48 15.88 15.84 15.84 15.84 15.84 15.82 15.82	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 16.86 19.18 22.4  KV HAVOC  Current [A] 1.15 1.77 2.46 3.46 4.21	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2 18x5.7 folc Input Power LVI 17.9 27.6 33.4 49.5 66.0	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2 250.1 ing propelle (W) 13.1 20.2 25.5 36.8 49.3	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.326 0.326 0.356 0.388 0.421 0.456 0.499 r AMPX 40 Torque [N-m] 0.076 0.101 0.128	1988 2218 2434 22705 3048 3261 3665 3861 4041 4230 4406 4571 4787 A PRO (2-65 8PM 1666 1912 2132 2333 2564	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322 5) Thrust 657 280 410 515 563 691	79.90 79.20 79.90 79.90 80.20 80.90 80.10 79.90 78.00 78.00 76.90 75.90 74.50 45 Efficiency (%) 77.70 78.30 78.90	166 155 144 122 111
40 45 50 55 60 65 70 75 80 85 90 90 91 100 MAD 50 (%) (%) (%) 33 40 40 45 50 50 50 50 50 50 50 50 50 50 50 50 50	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.67 15.62 15.58 15.54 15.48 005 EEE 4401 Voltage (V) 15.84 15.83 15.84 15.83 15.84 15.88	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4  KV HAVOC  Current [A] 1.15 1.77 2.46 3.17 4.21 6.07	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2 18x5.7 fold Power (W) 17.9 27.6 38.4 49.5 66.0 95.3	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 250.1 194.4 218.2 250.1 ing propelle (W) 13.1 20.2 28.5 36.8 49.3 71.8	0.088 0.109 0.129 0.160 0.201 0.233 0.234 0.326 0.326 0.355 0.421 0.456 0.499  T AMPX 4(0 10,000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	1988 2218 2434 2405 3048 3261 3462 3665 3861 4041 4230 4406 4571 4787  APRO (2-6S)  RPM 1666 1912 2132 2333 2564 2911	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322 5) Thrust [60] 410 515 66] 691 978	79.90 79.20 79.90 80.20 80.90 80.10 79.90 80.10 79.90 79.90 75.90 76.90 75.90 77.70 78.30 77.90 78.30 78.90 79.30	166 155 144 122 111 166 155 156 156 156 156 156 156 156
40 45 50 66 65 70 75 80 85 90 95 100 MAD 50 (%) 33 40 45 50 55 66 66 65 70 95 100 100 100 100 100 100 100 100 100 10	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.67 15.65 15.65 15.64 15.48 15.48 15.48 15.84 15.83 15.84 15.83 15.82 15.84	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4  Current [A] 1.15 1.77 2.46 3.17 4.21 6.07 7.69	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2 18x5.7 fold Input Power [W] 17.9 27.6 38.4 49.5 66.0 95.3	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.7 171.9 194.4 218.2 250.1 ing propelle (W) 13.1 20.2 28.5 36.8 49.3 71.8 90.9	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.326 0.355 0.421 0.456 0.499  Tarque [[\text{(k-m)}] 0.076 0.101 0.128 0.151 0.128 0.276	1988 2218 2434 2405 3048 3261 3462 3665 3861 4041 4240 4406 4571 4787  A PRO (2-6S  RPM) 1666 1912 2132 2333 2564 2911 3141	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322 5) Thrust (60) 280 410 515 563 691 139	79.90 79.20 79.90 80.20 80.90 80.10 79.90 79.90 79.90 76.90 76.90 75.90 74.50  45  Efficiency [%] 77.70 78.30 78.10 78.90 79.90	16 15 13 12 11 10 10 10 10 10 10 10 10 10 10 10 10
40 45 50 55 60 65 40 45 50 40 45 50 66 65 60 65	15.84 15.83 15.82 15.81 15.77 15.76 15.67 15.67 15.62 15.58 15.54 15.48 15.48 15.84 15.84 15.84 15.84 15.84 15.84 15.84 15.84 15.85 15.84 15.86	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4  Current [A] 1.15 1.77 2.46 3.17 4.21 6.07 7.69 9.01	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 18x5.7 foldo input Power [W] 17.9 27.6 49.5 66.0 95.3 120.5	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2 250.1 ing propelle Output Power (W) 13.1 20.2 28.5 36.8 49.3 71.8 90.9 104.3	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.326 0.355 0.388 0.421 0.456 0.499 1 AMPX 40 1 Torque [N-km] 0.076 0.101 0.184 0.236 0.236 0.299	1988 2218 2434 2436 2436 3048 3261 3462 3665 3861 4041 4230 4406 4571 4787 APRO (2-65  RPM) 1666 1912 2333 2564 2911 3332	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322 50  Thrust (s0) 280 410 515 563 691 978 1139 1256	79.90 79.20 79.90 79.90 80.20 80.90 80.10 79.90 78.00 78.00 76.90 74.50  45  Efficiency (%) 77.70 78.30 78.90 78.90 77.50 77.70 78.30 79.90 77.50	166 158 138 148 158 158 158 158 158 158 158 158 158 15
40 45 50 66 65 70 75 80 85 90 95 100 MAD 50 (%) 33 40 45 50 55 66 66 65 70 95 100 100 100 100 100 100 100 100 100 10	15.84 15.83 15.82 15.81 15.77 15.76 15.73 15.67 15.65 15.65 15.64 15.48 15.48 15.48 15.84 15.83 15.84 15.83 15.82 15.84	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4  Current [A] 1.15 1.77 2.46 3.17 4.21 6.07 7.69	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2 18x5.7 fold Input Power [W] 17.9 27.6 38.4 49.5 66.0 95.3	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.7 171.9 194.4 218.2 250.1 ing propelle (W) 13.1 20.2 28.5 36.8 49.3 71.8 90.9	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.326 0.355 0.421 0.456 0.499  Tarque [[\text{(k-m)}] 0.076 0.101 0.128 0.151 0.128 0.276	1988 2218 2434 2405 3048 3261 3462 3665 3861 4041 4240 4406 4571 4787  A PRO (2-6S  RPM) 1666 1912 2132 2333 2564 2911 3141	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322 5) Thrust (60) 280 410 515 563 691 139	79.90 79.20 79.90 80.20 80.90 80.10 79.90 79.90 79.90 76.90 76.90 75.90 74.50  45  Efficiency [%] 77.70 78.30 78.10 78.90 79.90	166 158 138 148 158 158 158 158 158 158 158 158 158 15
40 45 50 55 60 65 40 45 50 40 45 50 66 65 60 65	15.84 15.83 15.82 15.81 15.77 15.76 15.67 15.67 15.62 15.58 15.54 15.48 15.48 15.84 15.84 15.84 15.84 15.84 15.84 15.84 15.84 15.85 15.84 15.86	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4  Current [A] 1.15 1.77 2.46 3.17 4.21 6.07 7.69 9.01	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 173.6 18x5.7 foldo input Power [W] 17.9 27.6 49.5 66.0 95.3 120.5	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2 250.1 ing propelle Output Power (W) 13.1 20.2 28.5 36.8 49.3 71.8 90.9 104.3	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.326 0.355 0.388 0.421 0.456 0.499 1 AMPX 40 1 Torque [N-km] 0.076 0.101 0.184 0.236 0.236 0.299	1988 2218 2434 2436 2436 3048 3261 3462 3665 3861 4041 4230 4406 4571 4787 APRO (2-65  RPM) 1666 1912 2333 2564 2911 3332	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322 50  Thrust (s0) 280 410 515 563 691 978 1139 1256	79.90 79.20 79.90 79.90 80.20 80.90 80.10 79.90 78.00 78.00 76.90 74.50  45  Efficiency (%) 77.70 78.30 78.90 78.90 77.50 77.70 78.30 79.90 77.50	166 155 144 122 9.9 8.8
40 45 55 60 65 70 75 80 85 90 95 100 MAD 5(2 (%) 30 35 40 45 55 66 65 70 77 80 85 90 95 95 95 95 95 95 95 95 95 95	15.84 15.83 15.82 15.81 15.77 15.76 15.77 15.67 15.62 15.58 15.54 15.48 15.48 15.48 15.88 15.88 15.88 15.88 15.88 15.88 15.88 15.88 15.88 15.88 15.88 15.88 15.88 15.88 15.88 15.88 15.88 15.88	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4  Current [A] 1.15 1.77 2.46 3.17 4.21 6.07 7.69 9.01 10.46	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2 18x5.7 folc Input Power LWI 17.9 27.6 38.4 49.5 66.0 95.3 120.5 141.0 163.6	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2 250.1 ing propelle (W) 13.1 20.2 28.5 36.8 49.3 71.8 90.9	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.326 0.356 0.388 0.421 0.456 0.499 1.760 0.101 0.128 0.101 0.128 0.236 0.236	1988 2218 2434 2405 3048 3261 3462 3665 3861 4041 4230 4406 4571 4787  APRO (2-65)  BPM 1666 1912 2132 2133 2564 2911 3141 3332 3504	379 479 573 724 918 1067 1516 1660 1824 1957 2109 2322 5) Thrust 67 280 410 515 563 691 978 11398	79.90 79.20 79.90 80.20 80.90 80.20 80.90 80.10 79.90 78.00 76.90 75.90 74.50 45 Efficiency (%) 77.90 77.70 78.30 78.30 78.30 79.30	166 155 166 167 167 167 167 167 167 167 167 167
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40 45 55 60 65 77 75 80 85 90 95 100 85 90 95 100 35 40 40 45 55 66 66 65 77 77 77 80 80 80 80 80 80 80 80 80 80	15.84 15.83 15.82 15.81 15.77 15.76 15.77 15.67 15.62 15.58 15.54 15.48 15.48 15.84 15.84 15.84 15.84 15.85 15.77 15.65 15.77 15.65 15.71 15.80 15.71 15.81	2.16 2.78 3.79 5.36 6.59 7.99 9.43 11.11 12.71 14.72 16.86 19.18 22.4  KV HAVOC  Current [A] 1.15 1.77 2.46 3.17 4.21 6.07 7.69 9.01 10.46 12.36 19.18 1.36 19.18 1.77 1.40 1.31 1.77 1.40 1.31 1.77 1.40 1.31 1.31 1.32 1.33 1.34 1.35 1.36 1.36 1.36 1.36 1.36 1.36 1.36 1.36	24.4 33.8 43.5 59.5 84.1 103.1 125.2 147.6 173.6 198.3 229.5 262.2 297.3 346.2 297.3 346.2 18x5.7 folc Input Power [W] 17.9 27.6 38.4 49.5 66.0 95.3 120.5 66.0 163.6 192.8 228.5 258.4	18.4 25.2 32.8 45.1 64.0 79.4 95.8 112.7 131.7 150.2 171.9 194.4 218.2 250.1 ing propelle (W) 13.1 20.2 28.5 36.8 49.3 71.8 90.9 104.3 120.8 140.1 120.8	0.088 0.109 0.129 0.160 0.201 0.233 0.264 0.294 0.326 0.326 0.356 0.388 0.421 0.456 0.499 1.0076 0.101 0.128 0.151 0.184 0.236 0.299 0.329 0.345	1988 2218 2434 2436 3048 3261 3462 3665 3861 4041 4230 4406 4571 4787 APRO (2-65  RPM 1666 1912 2132 2333 2564 2911 3141 3332 3504 3676 3694 4017	379 479 573 724 918 1067 1222 1367 1516 1660 1824 1957 2109 2322 5) Thrust (sf) 280 410 515 563 691 978 11398 1486 1256 1398 1486	79.90 79.20 79.90 80.20 80.90 80.20 80.90 80.10 79.90 78.00 76.90 75.90 75.90 77.50 77.70 78.30 79.30 79.30 79.30 79.70 78.10 78.90 77.50 77.70 78.30 79.30 79.30 79.30 79.30 79.30 79.30 79.30	166 155 170 170 170 170 170 170 170 170 170 170
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# **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.



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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