Guangdong, China

V8013 IPE V1.0 135KV 150KV 170KV

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Negotiable

V8013 IPE V1.0 Brushless DC Motor Drone

Basic Information

- Place of Origin:
- Brand Name:
- Model Number:
- Price:
- Delivery Time:
- Payment Terms:
- Supply Ability:



Product Specification

Motor Model:	V8013 IPE W1.0
Motor Size:	D:88.5 X41.65 Mm
Propeller Mounting Holes:	D:20 M3x4, D:25 M3x4
 Shaft Diameter: 	IN: 12 Mm
 Bearing: 	6901ZZ*2
Cable Length:	150 Mm 14# Awg(Black) Silicone
 Rotor Balance: 	<25 Mg
 Motor Balance: 	≤10 Mg
 Motor Mounting Holes: 	D:40 M4x4
 Disruptive Test: 	500 V

- 500 V
 - Drone Brushless DC Motor, V8013 Brushless DC Motor Drone



More Images

• Highlight:



V8013 IPE V1.0 Brushless DC Motor Drone

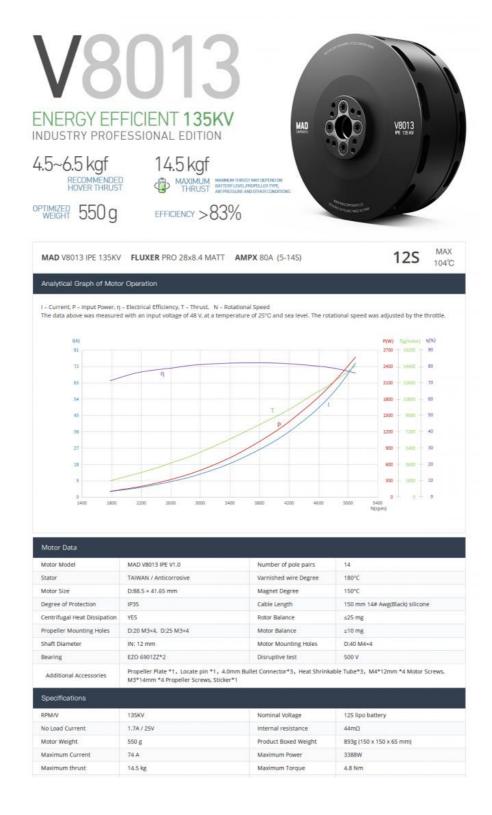
Designed to carry payloads of 4.5-6.5kg per rotor, with 28" carbon propeller. Max thrust is up to 14.5kg per rotor, unit motor weighs only 1910g. with large pitch VOTL CF propellers, achieving large load, high efficiency and excellent reliability, providing reliable power support for various endurance flights of professional aerial UAVs.

Battery and power system: The V8013 motor requires a battery system that can provide continuous power while balancing weight and capacity to optimize flight time. High capacity lithium polymer or lithium-ion batteries are ideal, combined with advanced power management systems to regulate energy distribution.

Propeller matching: To take full advantage of the engine's capabilities, the propeller must be carefully selected to match torque and speed characteristics.

Cooling and thermal management: Given the high power output of the motor, effective cooling is essential to prevent overheating

Flight controller integration: The motor needs to be paired with a flight controller that can manage its power and responsiveness. Flight controllers should be able to handle rapid changes in throttle and direction, ensuring that the drone remains stable and responsive in a variety of flight conditions.





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WIAD VC	3013 IPE 135	35KV FLUXER PRO 26x7.8 MATT AMPX 80A (5-14S)						12S	79°C
hrottle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque (N×m)	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.14	2.61	125.6	86.4	0.453	1822	1471	68.8	11.7
35	48.11	3.8	182.8	131.6	0.582	2160	2021	72	11.1
40	48.07	5.13	246.6	184.9	0.730	2419	2529	75	10.3
45	48.02	6.64	318.9	245.5	0.874	2682	2972	77	9.3
50	47.96	8.65	414.9	329.5	1.070	2941	3641	79.4	8.8
55	47.85	11.9	569.4	461.9	1.366	3229	4634	81.1	8.1
60	47.76	14.99	715.9	590.8	1.599	3528	5364	82.5	7.5
65	47.64	18.94	902.3	753.9	1.902	3785	6255	83.6	6.9
70	47.5	23.14	1099.2	918.5	2.176	4031	7166	83.6	6.5
75	47.36	27.69	1311.4	1095.6	2.452	4267	8112	83.5	6.2
80	47.2	32.52	1534.9	1282.8	2.730	4487	8747	83.6	5.7
85	47.01	38.62	1815.5	1510.0	3.066	4703	9741	83.2	5.4
90	46.81	44.66	2090.5	1724.5	3.343	4926	10656	82.5	5.1
95	46.6	51.36	2393.4	1958.0	3.644	5131	11528	81.8	4.8
100	46.27	61.35	2838.7	2293.6	4.068	5384	12877	80.8	4.5

MAD V8013 IPE 135KV FLUXER PRO 27x8.1 MATT AMPX 80A (5-14S)

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12S 91°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	2.73	131.4	93.1	0.494	1800	1602	70,9	12.2
35	48.11	4.24	204.0	154.6	0.694	2127	2249	75.8	11.0
40	48.06	5.79	278.3	219.4	0.879	2383	2856	78.8	10.3
45	48	7.78	373.4	300.5	1.087	2640	3483	80.5	9.3
50	47.93	10	479.3	393.6	1.298	2896	4117	82.1	8.6
55	47.84	13.12	627.7	524.5	1.574	3182	4968	83.6	7.9
60	47.72	16.9	806.5	679.7	1.872	3467	6040	84.3	7.5
65	47.59	21.09	1003.7	846.7	2.173	3721	6827	84.4	6.8
70	47.45	25.25	1198.1	1011.7	2.434	3969	7791	84.4	6.5
75	47.29	30,24	1430.0	1204.7	2.743	4194	8604	84.2	6.0
80	47.11	35.98	1695.0	1418.2	3.073	4407	9626	83.7	5.7
85	46.92	41.9	1965.9	1635.5	3.379	4622	10517	83.2	5.3
90	46.69	49.09	2292.0	1888.5	3.747	4813	11702	82.4	5.1
95	46.44	56.53	2625.3	2133.7	4.071	5005	12726	81.3	4.8
100	46.09	66.76	3077.0	2458.7	4.467	5256	13910	79.9	4.5

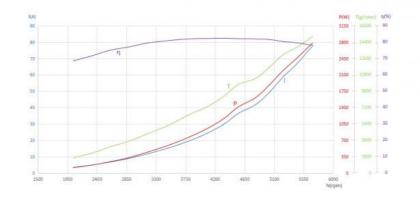
MAD V8013 IPE 135KV FLUXER PRO 28x8.4 MATT AMPX 80A (5-14S)

125 MAX 104°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	3.04	146.3	104.1	0.559	1778	1783	71.2	12.2
35	48.09	4.75	228.4	173.0	0.783	2110	2497	75.7	10.9
40	48.04	6.51	312.7	243.1	0.980	2369	3104	77.7	9.9
45	47.97	8.66	415.4	328.3	1.196	2621	3797	79	9.1
50	47.89	11.13	533.0	429.8	1.428	2874	4513	80.6	8.5
55	47.79	14.66	700.6	571.0	1.731	3150	5460	81.5	7.8
60	47.66	18.81	896.5	735.2	2.051	3423	6473	82	7.2
65	47.5	23.52	1117.2	917.2	2.386	3671	7452	82.1	6.7
70	47.35	28.38	1343.8	1103.7	2.701	3902	8388	82.1	6.2
75	47.18	33.8	1594.7	1304.2	3.020	4124	9297	81.8	5.8
80	46.98	39.81	1870.3	1519.0	3.353	4326	10255	81.2	5.5
85	46.77	46.44	2172.0	1746.5	3.684	4527	11305	80.4	5.2
90	46.53	53.64	2495.9	1983.6	4.019	4713	12164	79.5	4.9
95	46.26	61.74	2856.1	2232.4	4.363	4886	13188	78.2	4.6
100	45.86	73.87	3387.7	2570.5	4.812	5101	14469	75.9	4.3

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 74A is non-working zone.24-74A is short-term (about 10-30s), working zone, and below 24A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.





Specifications	Specifications							
RPM/V	150KV	Nominal Voltage	125 lipo battery					
No Load Current	2.35A / 30V	Internal resistance	37mΩ					
Motor Weight	544 g	Product Boxed Weight	887g (150 x 150 x 65 mm)					
Maximum Current	77.8 A	Maximum Power	3569W					
Maximum thrust	15 kg	Maximum Torque	4.67 Nm					
Recommended ESC	MAD AMPX 80A (5-145)	Recommended Propellers	26x7.8					
UAV take-off weight	125-26"/ 21kgQuadcopter 32kgHexacopter 43kgOctocopter	Single rotor take-off weight	4.5kg ~ 6.5kg					

MAD V8013 IPE 150KV FLUXER PRO 26x7.8 MATT AMPX 80A (5-14S)

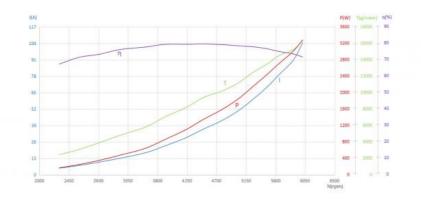
125 MAX 87°C

Throttle (%)	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust (gf)	Efficiency [%]	Efficienc [gf/W]
30	48.25	3.5	168.9	115.9	0.543	2039	1694	68.6	10.0
35	48.21	4.96	239.1	171.4	0.703	2328	2204	71.7	9.2
40	48.14	6.77	325.9	244.7	0.897	2605	2894	75.1	8.9
45	48.07	8.83	424.5	326.7	1.085	2875	3482	77	8.2
50	47.98	11.91	571.4	454.0	1.362	3183	4355	79.5	7.6
55	47.87	15.57	745.3	603.4	1.643	3507	5313	81	7.1
60	47.73	19.79	944.6	774.6	1.941	3811	6440	82	6.8
65	47.59	24.43	1162.6	955.9	2.235	4084	7318	82.2	6.3
70	47.41	29.96	1420.4	1169.2	2.575	4336	8476	82.3	6.0
75	47.21	36.55	1725.5	1417.3	2.970	4557	9759	82.1	5.7
80	47.03	41.69	1960.7	1608.7	3.193	4811	10389	82	5.3
85	46.78	49.5	2315.6	1889.6	3.588	5029	11655	81.6	5.0
90	46.48	58.47	2717.7	2184.3	3.989	5229	12985	80.4	4.8
95	46.23	66.53	3075.7	2448.6	4.299	5439	13809	79.6	4.5
100	45.85	77.83	3568.5	2783.1	4.674	5686	15032	78	4.2

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 78A is non-working zone.24-78A is short-term (about 10-30s), working zone, and below 24A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.







Specifications	Specifications						
RPM/V	170KV	Nominal Voltage	125 lipo battery				
No Load Current	2.4A / 25V	internal resistance	29.5mΩ				
Motor Weight	534 g	Product Boxed Weight	877g (150 x 150 x 65 mm)				
Maximum Current	104 A	Maximum Power	4577W				
Maximum thrust	16.3 kg	Maximum Torque	5.2 Nm				
Recommended ESC	MAD AMPX 120A (5-14S)	Recommended Propellers	26x7.8				
UAV take-off weight	125-26"/ 28kgQuadcopter 42kgHexacopter 56kgOctocopter	Single rotor take-off weight	6kg ~ 8kg				

MAD V8013 IPE 170KV FLUXER PRO 26x7.8 MATT AMPX 120A (5-145)

12S HOT

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	47.88	5.33	255.2	171.9	0.712	2305	2450	67,4	9.6
35	47.81	7.46	356.7	255.0	0.933	2610	3106	71.5	8.7
40	47.73	10.06	480.2	352.0	1.156	2908	3906	73.3	8.1
45	47.63	13.22	629.7	479.8	1.418	3231	4819	76.2	7.7
50	47.5	17.45	828.9	644.4	1.704	3611	5798	77.7	7.0
55	47.32	23.22	1098.8	872.5	2.121	3928	7106	79.4	6.5
60	47.13	29.27	1379.5	1095.8	2.475	4228	8173	79.4	5.9
65	46.92	36.2	1698.5	1351.3	2.867	4501	9408	79.6	5.5
70	46.72	42.71	1995.4	1580.6	3.163	4772	10171	79.2	5.1
75	46.48	50.4	2342.6	1838.0	3.495	5022	11137	78.5	4.8
80	46.18	59.52	2748.6	2141.5	3.896	5249	12429	77.9	4.5
85	45.86	69.16	3171.7	2434.1	4.254	5464	13440	76.7	4.2
90	45.53	79.38	3614.2	2711.6	4.579	5655	14506	75	4.0
95	45.15	90.1	4068.0	2994.6	4.880	5860	15196	73.6	3.7
100	44.87	104.27	4576.6	3279.5	5.209	6012	16292	71.7	3.6

The above data are the theoretical values when the input voltage is 489, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 104A is non-working zone.36-104A is short-term (about 10-30s), working zone, and below 36A 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. Guangzhou Gesai Intelligent Electronic Technology Co., Ltd. 0 Kellyyangjing2021@outlook.com @ uav-vtoldrone.com

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