



V8015 IPE V1.0 Brushless DC Motor Drone

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: V8015 IPE 180KV
- Price: Negotiable
- Delivery Time: 6-8
- Payment Terms: T/T
- Supply Ability: 100



Product Specification

- Motor Model: V8015 IPE V1.0
- Motor Size: D:88.5 X44.2 Mm
- Propeller Mounting Holes: D:20 M3x4 D:23 M4x4
- Shaft Diameter: IN: 12 Mm
- Bearing: 6901ZZ*2
- Cable Length: 1000 Mm 14# Awg(Black) Silicone
- Rotor Balance: <25 Mg
- Motor Balance: ≤10 Mg
- Motor Mounting Holes: D:40 M4x4
- Disruptive Test: 500 V
- Highlight: Drone Brushless DC Motor,
V8015 Brushless DC Motor Drone



More Images



V8015 IPE V1.0 Brushless DC Motor Drone

V8015 motor is the most classic product among VTOL UAV motors. MAD V8015 IPE is one of the most efficient motors among them, and the most widely used motors for UAV of high-end aerial photography, exploration, archaeology, remote sensing surveying, mapping etc. Endurance flight time varies from 30-120min. Designed for harsh conditions Oversized durable bearings for extended motor life.

RPMNV	180KV	Nominal Voltage	12s lipo battery
No Load Current	2.85A/20V	Internal resistance	19mΩ
Motor Weight	625 g	Product Boxed Weight	953g(150 x150 x65 mm)
Maximum Current	110.8 A	Maximum Power	5280W
Maximum thrust	18.3 kg	Maximum Torque	5.7 Nm
Recommended EsC	MAD AMPX 120A (5-14S)	Recommended Propellers	26X7.8

V8015

ENERGY EFFICIENT 180KV
INDUSTRY PROFESSIONAL EDITION

5.9~8.3 kgf

RECOMMENDED
HOVER THRUST

OPTIMIZED
WEIGHT 625g

18.3 kgf

MAXIMUM
THRUST

EFFICIENCY >74%

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



MAD V8015 IPE 180KV FLUXER PRO 26x7.8 MATT AMPX 200A (5-14S)

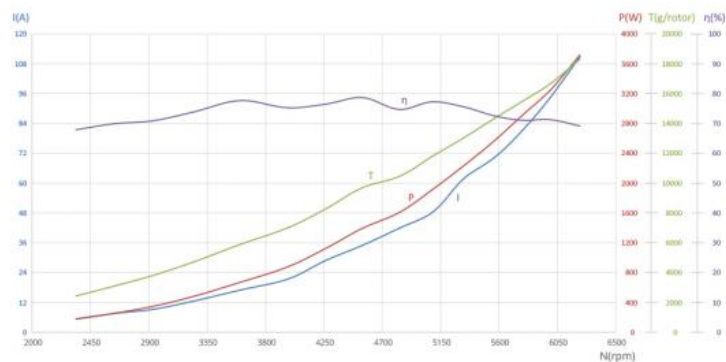
12S

MAX
88°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 48 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.

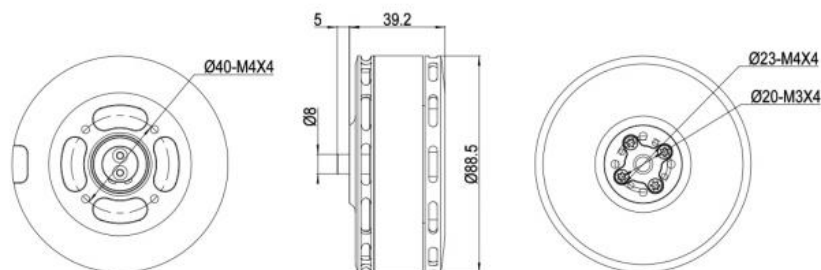


Motor Data

Motor Model	MAD V8015 IPE V1.0	Number of pole pairs	14
Stator	TAIWAN / Anticorrosive	Varnished wire Degree	180°C
Motor Size	D:88.5 × 44.2 mm	Magnet Degree	150°C
Degree of Protection	IP35	Cable Length	1000 mm 14# Awg(Black) silicone
Centrifugal Heat Dissipation	YES	Rotor Balance	≤25 mg
Propeller Mounting Holes	D:20 M3×4, D:23 M4×4	Motor Balance	≤10 mg
Shaft Diameter	IN: 12 mm	Motor Mounting Holes	D:40 M4×4
Bearing	EZO 6901ZZ*2	Disruptive test	500 V
Additional Accessories	M6 Propeller Plate *1, Conversion *1, 4.0mm Bullet Connector*3, Heat Shrinkable Tube*3, M4*12mm *4 Motor Screws, M3*14mm *4 Prop Adapter Fixing Screws, Sticker*1		

Specifications

RPM/V	180KV	Nominal Voltage	12S lipo battery
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Maximum Current	110.8 A	Maximum Power	5280W
Maximum thrust	18.3 kg	Maximum Torque	5.7 Nm
Recommended ESC	MAD AMPX 120A (5-14S)	Recommended Propellers	26X7.8
UAV take-off weight	12S-26" 28kg--Quadcopter 42kg--Hexacopter 56kg--Octocopter	Single rotor take-off weight	5.9kg ~ 8.3kg



MAD V8015 IPE 180KV FLUXER PRO 26x7.8 MATT AMPX 120A (5-14S)								12S	MAX 88°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [g]	Efficiency [%]	Efficiency [g/W]
30	48.08	5.38	258.8	175.3	0.716	2339	2427	67.85	9.4
35	48.06	7.57	363.8	254.2	0.920	2639	3108	69.9	8.5
40	48.06	9.15	439.7	344.4	1.124	2926	3792	70.81	7.8
45	48.06	12.49	600.3	478.3	1.409	3242	4699	73.78	7.2
50	48.02	16.98	815.4	670.1	1.774	3607	5895	77.62	6.8
55	48.02	21.43	1029.1	878.8	2.111	3975	7014	75.22	6.0
60	48.01	29.08	1396.1	1131.2	2.528	4273	8309	76.5	5.6
65	47.96	34.9	1673.8	1391.7	2.923	4546	9686	78.63	5.5
70	47.95	41.89	2008.6	1607.3	3.175	4834	10458	74.65	4.9
75	47.89	48.14	2305.4	1909.3	3.585	5085	11790	77.2	4.8
80	47.84	61.78	2955.6	2232.6	4.001	5329	13037	75.51	4.4
85	47.83	70.3	3362.4	2568.1	4.406	5566	14340	72.5	4.1
90	47.79	81.06	3873.9	2906.5	4.803	5779	15469	71.01	3.8
95	47.74	94.16	4495.2	3238.0	5.160	5992	16636	71.25	3.7
100	47.65	110.81	5280.1	3715.7	5.701	6224	18303	69.11	3.4
The above data are the theoretical values when the input voltage is 48 V, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 111A is non-working zone. 35-111A is short-term (about 10-30s), working zone, and below 35A 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.

RPMNV	9 KV	Nominal Voltage	354~400V
No Load Current	1.44A 1 40V	Internal resistance	40.5mΩ
Motor Weight	12.7 kg	Product Boxed Weight	14 kg
Maximum Current	150.8 A	Maximum Power	55.6 KW
Maximum thrust	200.1 kg	Maximum Torque	178.9 Nm
Recommended EsC	SineSic Pro 160A 30KW(150V~435V)	Recommended Propellers	72x31



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