



3508 IPE 360KV+580KV+700KV Brushless DC Motor Energy Efficiency

Our Product Introduction

Basic Information

- Brand Name: GS
- Model Number: 3508 IPE 360KV+580KV+700KV
- Minimum Order Quantity: 1
- Price: Negotiable
- Delivery Time: 6~8
- Payment Terms: T/T
- Supply Ability: 100



Product Specification

- Highlight: 700KV Brushless DC Motor,
Brushless DC Motor Energy Efficiency,
Energy Efficiency drone brushless motor



More Images



for more products please visit us on uav-vtoldrone.com

3508 IPE 360KV+580KV+700KV Brushless DC Motor

3508

ENERGY EFFICIENT 360KV
INDUSTRY PROFESSIONAL EDITION

0.48~0.64 kgf

RECOMMENDED
HOVER THRUST

1.6 kgf

MAXIMUM
THRUSTMAXIMUM THRUST MAY DEPEND ON
BATTERY LEVEL, PROPELLER TYPE,
AIR PRESSURE AND OTHER CONDITIONSOPTIMIZED
WEIGHT 99g

EFFICIENCY >85%



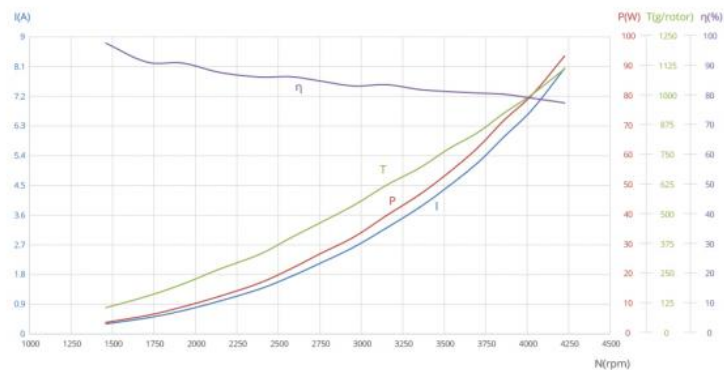
3508 IPE 360KV FLUXER PRO 16x5.4 MATT AMPX 40A PRO (2-6S)

4S MAX
64°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 16 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.

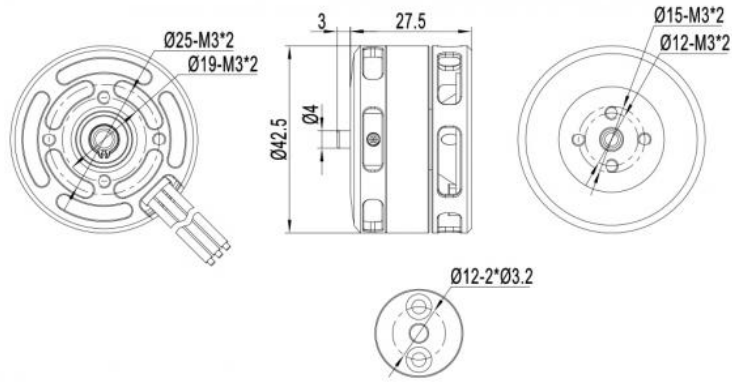


Motor Data

Motor Model	3508 IPE V1.0	Number of pole pairs	7
Stator	TAIWAN / Anticorrosive	Varnished wire Degree	150°C
Motor Size	D:42.5 × 30.5 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 M3×2, D:15 M3×2	Motor Balance	≤10 mg
Shaft Diameter	IN: 5 mm	Motor Mounting Holes	D:19 M3×2 D:25 M3×2
Bearing	EZO 685ZZ*1/EZO 695ZZ*1	Disruptive test	500 V
Additional Accessories	Propeller Plate *2, Ø4-6 Adapter Ring *2, 3.5mm Bullet Connector*6, Heat Shrinkable Tube*6, M3*6mm *8 Motor Screws, M3*10mm *4 Propeller Screws, Sticker*2		

Specifications

RPM/V	360KV	Nominal Voltage	4-6S lipo battery
No Load Current	0.37A / 20V	Internal resistance	230mΩ
Motor Weight	99 g	Product Boxed Weight	361g (110 x 110 x 50 mm) 2pcs/box
Maximum Current	10.3 A	Maximum Power	245W
Maximum thrust	1.6 kg	Maximum Torque	0.277 Nm
Recommended ESC	MAD AMPX PRO 40A (2-6S)	Recommended Propellers	13x4.4, 14x4.8, 15x5.0, 16x5.4
UAV take-off weight	4S-16" 1.6kg-Quadcopter 2.5kg-Hexacopter 3.3kg-Octocopter	Single rotor take-off weight	0.48kg - 0.64kg



3508 IPE 360KV **FLUXER PRO 13x4.4 MATT** **AMPX 40A PRO (2-6S)**

6S MAX
62°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [g]	Efficiency [%]	Efficiency [g/f/W]
30	23.96	0.34	7.8	5.8	0.024	2296	124	78.90	16.8
35	23.95	0.5	11.6	8.9	0.032	2649	170	80.60	15.3
40	23.95	0.72	16.7	13.4	0.043	2993	233	84.90	14.7
45	23.94	1.02	24.0	18.8	0.053	3398	303	82.10	13.2
50	23.94	1.35	31.8	25.9	0.065	3779	379	84.10	12.3
55	23.93	1.73	40.8	33.8	0.079	4090	459	85.90	11.6
60	23.92	2.05	48.5	40.2	0.088	4348	517	86.60	11.1
65	23.92	2.49	59.2	49.0	0.100	4664	598	86.00	10.5
70	23.91	2.99	71.0	58.8	0.113	4976	677	86.20	9.9
75	23.9	3.7	88.2	73.4	0.132	5329	797	86.90	9.4
80	23.88	4.31	102.5	84.8	0.144	5644	872	86.00	8.8
85	23.87	5.12	121.7	99.8	0.160	5946	989	85.20	8.4
90	23.86	5.91	140.5	114.6	0.176	6226	1078	84.70	8.0
95	23.84	6.79	161.5	131.6	0.193	6499	1196	84.40	7.7
100	23.82	8.04	191.0	154.0	0.214	6878	1330	83.60	7.2

3508 IPE 360KV **FLUXER PRO 14x4.8 MATT** **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 [g]	Efficiency [%]	Efficiency [g/f/W]
30	24.02	0.43	9.9	7.6	0.032	2249	171	77.00	17.3
35	24.02	0.61	14.3	11.3	0.042	2556	225	79.30	15.7
40	24.01	0.94	22.0	17.3	0.056	2939	311	79.20	14.2
45	24.01	1.34	31.6	25.9	0.075	3319	407	82.30	12.9
50	24	1.73	41.1	33.5	0.088	3622	484	82.70	11.9
55	23.99	2.19	52.1	41.8	0.102	3913	568	84.40	11.5
60	23.98	2.63	62.7	50.6	0.116	4163	642	84.20	10.7
65	23.97	3.25	77.5	63.0	0.135	4473	744	85.00	10.0
70	23.96	3.95	94.2	76.1	0.152	4785	847	84.30	9.4
75	23.94	4.78	114.0	91.6	0.173	5073	968	83.70	8.8
80	23.93	5.7	136.1	108.7	0.195	5332	1091	83.20	8.4
85	23.91	6.6	157.2	124.5	0.213	5599	1185	82.30	7.8
90	23.89	7.56	180.0	141.3	0.230	5867	1299	81.60	7.5
95	23.87	8.71	207.1	159.4	0.249	6102	1426	79.70	7.1
100	23.84	10.3	244.9	185.8	0.277	6401	1577	78.60	6.7

3508 IPE 360KV **FLUXER PRO 15x5.0 MATT** **AMPX 40A PRO (2-6S)**

4S MAX
50°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [g]	Efficiency [%]	Efficiency [g/f/W]
30	15.95	0.27	3.9	2.8	0.018	1500	87	73.10	22.6
35	15.95	0.43	6.1	4.9	0.027	1763	130	81.80	21.7
40	15.95	0.57	8.7	6.8	0.033	1981	166	84.90	20.7
45	15.94	0.83	12.9	10.1	0.043	2229	220	84.10	18.4
50	15.94	1.1	17.1	13.2	0.051	2474	271	82.80	17.0
55	15.94	1.39	21.5	17.3	0.062	2657	328	84.70	16.1
60	15.93	1.7	26.8	21.3	0.072	2848	379	85.50	15.2
65	15.92	2.15	33.8	27.1	0.084	3087	445	85.50	14.0
70	15.92	2.66	41.8	33.8	0.098	3300	521	85.50	13.2
75	15.89	3.23	50.8	40.8	0.112	3484	603	85.40	12.6
80	15.89	3.74	58.9	47.0	0.122	3689	671	84.60	12.1
85	15.88	4.38	69.0	54.8	0.136	3868	748	83.90	11.4
90	15.87	5.07	80.1	63.0	0.149	4045	824	83.30	10.9
95	15.86	5.72	90.1	70.3	0.159	4229	884	82.50	10.4
100	15.84	6.8	107.3	83.3	0.178	4462	990	82.20	9.8

3508 IPE 360KV FLUXER PRO 16x5.4 MATT AMPX 40A PRO (2-6S)

4S MAX
64°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [g/fW]
30	15.94	0.3	4.0	3.9	0.026	1460	110	97.90	27.6
35	15.94	0.49	7.0	6.3	0.035	1717	160	91.40	23.1
40	15.94	0.7	10.7	9.1	0.045	1922	209	91.20	20.9
45	15.93	0.99	15.4	12.6	0.057	2143	272	88.10	18.9
50	15.92	1.36	21.0	17.2	0.069	2388	335	86.50	16.9
55	15.92	1.74	27.1	22.0	0.082	2577	405	86.60	16.0
60	15.91	2.13	33.6	26.9	0.094	2748	466	85.20	14.8
65	15.9	2.62	41.0	32.5	0.105	2952	540	83.50	13.9
70	15.89	3.22	50.6	40.0	0.121	3155	627	83.90	13.1
75	15.89	3.83	60.1	46.9	0.134	3350	698	82.30	12.2
80	15.87	4.47	70.1	54.2	0.147	3525	778	81.60	11.7
85	15.86	5.19	81.7	62.8	0.162	3703	848	81.10	11.0
90	15.85	5.97	94.1	71.9	0.178	3860	929	80.70	10.4
95	15.83	6.78	106.9	80.4	0.191	4027	1007	79.40	9.9
100	15.81	8.05	126.6	93.6	0.212	4226	1116	77.80	9.3

The above data are the theoretical values when the input voltage is 16V, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 8A is non-working zone, 3-8A is short-term (about 10-30s) working zone, and below 3A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.

3508

ENERGY EFFICIENT 580KV
INDUSTRY PROFESSIONAL EDITION

0.49~0.67 kgf
RECOMMENDED
HOVER THRUST

1.6 kgf
MAXIMUM
THRUST

OPTIMIZED
WEIGHT 97g

EFFICIENCY >82%

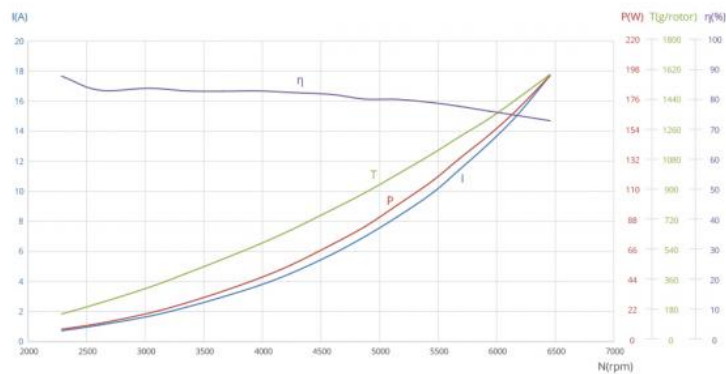


3508 IPE 580KV FLUXER PRO 14x4.8 MATT AMPX 40A PRO (2-6S)

4S MAX
71°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 16 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.



The above data are the theoretical values when the input voltage is 16V, 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, 6-18A is short-term (about 10-30s), working zone, and below 6A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.

3508

ENERGY EFFICIENT 700KV
INDUSTRY PROFESSIONAL EDITION

0.55~0.76 kgf

RECOMMENDED
HOVER THRUST

1.8 kgf

MAXIMUM
THRUST

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

OPTIMIZED
WEIGHT 97.5g

EFFICIENCY >80%



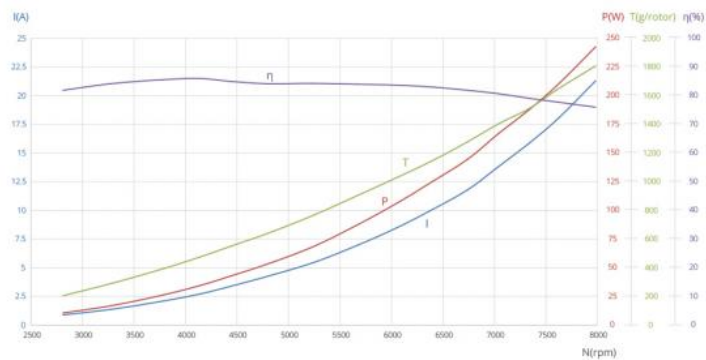
3508 IPE 700KV FLUXER PRO 13x4.4 MATT AMPX 40A PRO (2-6S)

4S MAX
71°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 16 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.



Specifications

RPM/V	700KV	Nominal Voltage	4S lipo battery
No Load Current	0.57A / 10V	Internal resistance	74mΩ
Motor Weight	97.5 g	Product Boxed Weight	358g (110 x 110 x 50 mm) 2pcs/box
Maximum Current	21.3 A	Maximum Power	332W
Maximum thrust	1.8 kg	Maximum Torque	0.29 Nm
Recommended ESC	MAD AMPX PRO 40A (2-6S)	Recommended Propellers	13x4.4
UAV take-off weight	4S-13" 2.6kg--Quadcopter 3.8kg--Hexacopter 5.1kg--Octocopter	Single rotor take-off weight	0.55kg ~ 0.76kg

3508 IPE 700KV FLUXER PRO 13x4.4 MATT AMPX 40A PRO (2-6S)

4S MAX
71°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [g]	Efficiency [%]	Efficiency [g/W]
30	15.95	0.88	13.4	10.5	0.036	2811	204	81.90	15.8
35	15.94	1.37	21.2	16.8	0.049	3278	289	84.20	14.5
40	15.93	2.1	32.7	26.3	0.066	3788	393	85.60	12.8
45	15.91	2.72	42.6	34.6	0.080	4146	475	86.00	11.8
50	15.9	3.38	53.3	42.7	0.092	4439	549	85.00	10.9
55	15.89	4.23	66.7	53.0	0.106	4788	636	84.20	10.1
60	15.87	5.44	85.9	68.3	0.125	5239	764	84.30	9.4
65	15.84	6.96	110.1	87.4	0.147	5670	903	84.00	8.7
70	15.81	8.49	133.9	106.3	0.168	6053	1028	83.70	8.1
75	15.78	10.11	159.1	125.5	0.187	6405	1149	83.00	7.6
80	15.75	11.8	185.3	144.7	0.205	6740	1278	81.90	7.2
85	15.72	13.83	216.8	167.0	0.227	7040	1403	80.70	6.8
90	15.68	15.86	248.2	187.8	0.244	7337	1510	79.10	6.4
95	15.64	17.95	280.4	209.2	0.263	7610	1643	77.80	6.1
100	15.59	21.3	331.8	242.6	0.290	7982	1807	76.00	5.7

The above data are the theoretical values when the input voltage is 16V, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 21A is non-working zone, 7-21A is short-term (about 10-30s), working zone, and below 7A 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.



Kellyyangjing2021@outlook.com



uav-vtoldrone.com

Fuli Yingtong Building, the Pearl River New Town, Tianhe District, Guangzhou, Guangdong, China