

Specification

2nd Generation GA Series	GA6000.8	GA6000.8S	GA6000.9	GA6000.9S
Item NO. (商品编码)	51554	51556	51295	51557
RPM/V (KV值)	180 RPM/V		160 RPM/V	
Weight w/o accessories (不含配件重量)	1020g		1020g	
Outer Diameter (直径)	90.2mm		90.2mm	
Length w/ mounts (长度(带桨座))	101mm		101mm	
Length(overall)(长度)	141mm	151mm	141mm	151mm
Diameter of Shaft (轴径)	12mm(internal), 10mm(output)		12mm(internal), 10mm(output)	
Mounting holes pitch (安装孔距)	100mm		100mm	
Slots,Poles (槽数,极数)	24, 28		24, 28	
Idle Current(Io) @10V (空载电流)	2.1A		1.8A	
Resistance(Ri) (电阻)	13.1mOhm		17.1mOhm	
Nominal Voltage(V)(额定电压)	30-51V, 10-12S Lipo		30-51V, 10-12S Lipo	
Peak power[15s] (峰值功率)	6800W(9.2HP) @ 8000RPM		6200W(8.4HP)	
Bursts current[15s] (最大电流)	140A		130A	
Cruising power[8 mins] (巡航功率)	3500W(4.8 HP)		3100W(4.2HP)	
Recommended ESC (调速器)	130A-160A HV Series		130A-160A HV Series	
Propeller (螺旋桨配置)	22x10, 23x8, 23x10(Max. 7650RPM), 24x8, 24x9, 24x10, 25x10 XOAR 24x10CF @ 12S, 125A, Thrust 18KG (NO ELECTIRC PROPELLER ALLOWED)		24x10, 24x12, 25x10, 26x10 (NO ELECTIRC PROPELLER ALLOWED)	
Weight of sports airplane (运动飞机的重量)	Up to 17kg		Up to 17KG	
Weight of 3D airplane (3D飞机的重量)	Up to 10kg		Up to 10KG	
Applications (应用)	Designed for 55-60cc class 3D airplanes or UAV systems.		Designed for 55-60cc class 3D or scale warbird airplanes.	

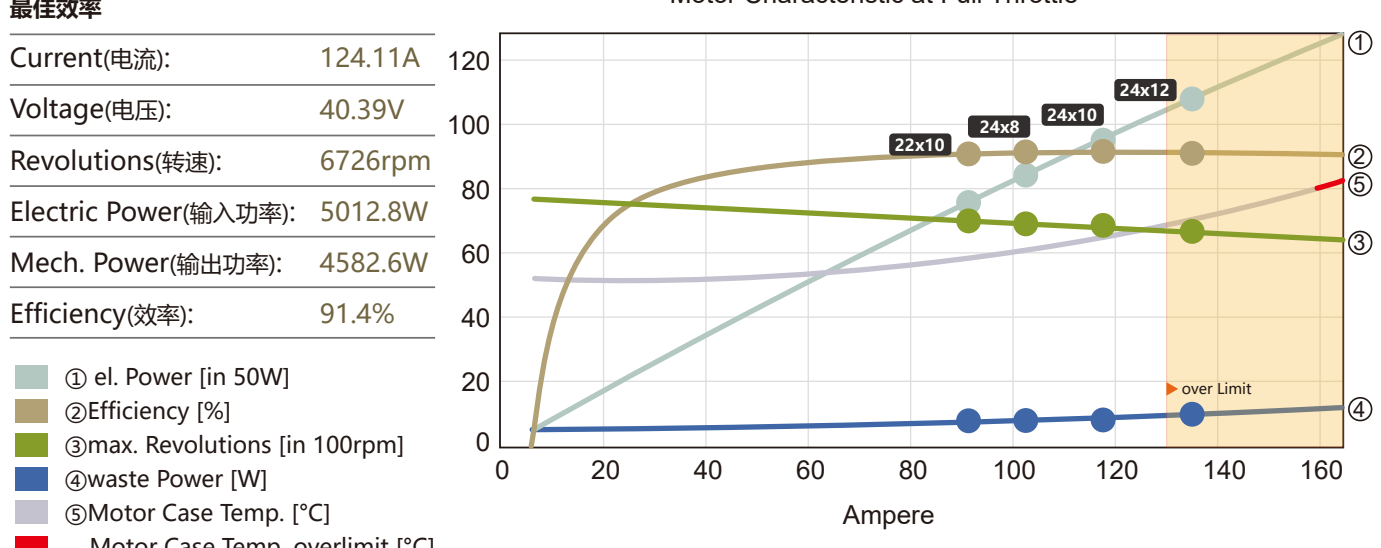
GA6000.8 & GA6000.8S (180KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	124.11A
Voltage(电压):	40.39V
Revolutions(转速):	6726rpm
Electric Power(输入功率):	5012.8W
Mech. Power(输出功率):	4582.6W
Efficiency(效率):	91.4%

Motor Characteristic at Full Throttle



Voltage (V)	Propeller	Propeller (RPM)	Throttle (%)	Current (DC) (A)	Volage (DC) (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
44.4V (12S LIPO)	22x10	1500	20	1.2	44.4	52.5	65.3	645	12.3
		2000	26	2.4	44.3	107	75.8	1146	10.7
		2500	33	4.4	44.3	193.8	81.8	1791	9.2
		3000	40	7.3	44.2	321	85.3	2579	8
		3500	46	11.3	44.1	497	87.5	3510	7.1
		4000	53	16.7	43.9	730.2	88.9	4584	6.3
		4500	61	23.6	43.7	1029.2	89.8	5802	5.6
		5000	68	32.4	43.4	1402.6	90.4	7163	5.1
		5500	75	43.3	43.1	1859	90.8	8667	4.7
		6000	83	56.6	42.7	2407.2	91	10314	4.3
	6500	91	72.7	42.2	3055.8	91.1	12105	4	
	6993	100	91.7	41.6	3801.4	90.9	14013	3.7	
	24x8	2000	26	2.7	44.3	118.1	77.8	1190	10.1
		2500	33	4.9	44.3	215.5	83.3	1860	8.6
		3000	40	8.1	44.2	358.6	86.5	2678	7.5
		3500	47	12.7	44	557	88.5	3645	6.5
		4000	54	18.8	43.8	820.2	89.7	4761	5.8
		4500	61	26.7	43.6	1157.9	90.4	6026	5.2
		5000	68	36.6	43.3	1579.9	90.9	7439	4.7
		5500	76	49.1	42.9	2096.1	91.2	9002	4.3
		6000	84	64.3	42.5	2716.3	91.4	10713	3.9
		6500	93	82.8	41.9	3450.6	91.4	12572	3.6
	6916	100	101.1	41.4	4158.7	91.2	14233	3.4	
	24x10	1500	20	1.5	44.4	67	72.3	837	12.5
		2000	26	3.2	44.3	141.7	81.1	1488	10.5
		2500	33	5.9	44.2	261.9	85.7	2325	8.9
		3000	40	10	44.1	439.2	88.3	3348	7.6
		3500	47	15.7	43.9	685.6	89.8	4557	6.6
		4000	54	23.3	43.7	1013.2	90.7	5951	5.9
		4500	62	33.2	43.4	1434.2	91.3	7532	5.3
		5000	69	45.8	43	1960.9	91.6	9299	4.7
		5500	77	61.6	42.6	2605.9	91.7	11252	4.3
		6000	86	81.1	42	3381.8	91.7	13391	4
	6500	95	105	41.3	4301.2	91.7	15716	3.7	
	6761	100	119.8	40.8	4855.1	91.4	17005	3.5	
	24x12	1500	20	1.7	44.3	77	75.5	1004	13
		2000	26	3.7	44.3	165.5	83.3	1785	10.8
		2500	33	7	44.2	308.5	87.3	2790	9
		3000	40	11.9	44	520.3	89.4	4017	7.7
		3500	47	18.7	43.8	815.3	90.6	5468	6.7
		4000	55	27.9	43.6	1208.1	91.3	7142	5.9
		4500	62	39.9	43.2	1713.6	91.7	9039	5.3
		5000	70	55.2	42.7	2346.7	91.8	11159	4.8
		5500	79	74.6	42.2	3122.7	91.8	13502	4.3
		6000	88	98.6	41.4	4057	91.8	16069	4
	6500	97	128.4	40.5	5165.3	91.6	18859	3.7	
	6619	100	137	40.3	5476.1	91.4	19557	3.6	

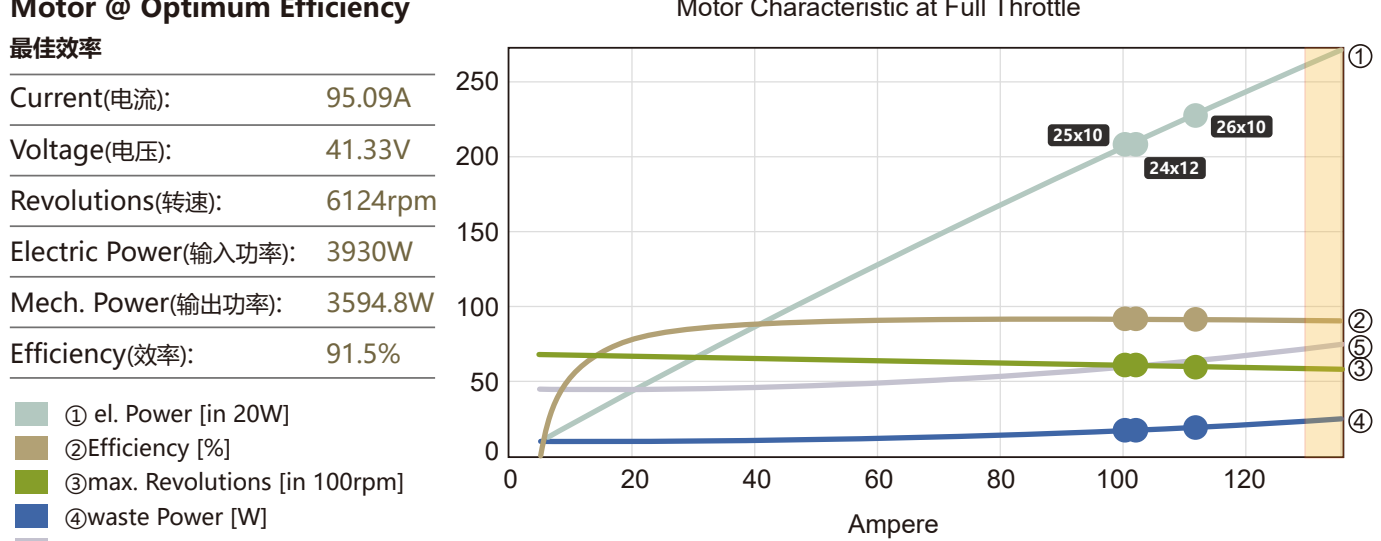
GA6000.9 & GA6000.9S (160KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	95.09A
Voltage(电压):	41.33V
Revolutions(转速):	6124rpm
Electric Power(输入功率):	3930W
Mech. Power(输出功率):	3594.8W
Efficiency(效率):	91.5%

Motor Characteristic at Full Throttle



Voltage (V)	Propeller	Propeller (RPM)	Throttle (%)	Current (DC) (A)	Volage (DC) (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
44.4V (12S LIPO)	24x12	1200	18	1	44.4	44	67.7	643	14.6
		1600	24	2	44.3	90.7	77.9	1143	12.6
		2000	30	3.7	44.3	165.1	83.5	1785	10.8
		2400	36	6.2	44.2	274.5	86.8	2571	9.4
		2800	42	9.7	44.1	426	88.8	3499	8.2
		3200	48	14.3	44	627.2	90	4571	7.3
		3600	55	20.3	43.8	885.4	90.8	5785	6.5
		4000	61	27.8	43.6	1208.2	91.3	7142	5.9
		4400	68	37.2	43.3	1603.1	91.6	8641	5.4
		4800	75	48.6	42.9	2078	91.7	10284	4.9
	5200	83	62.4	42.5	2640.6	91.8	12070	4.6	
	5600	90	78.9	42	3298.8	91.8	13998	4.2	
	6000	99	98.5	41.4	4060.6	91.7	16069	4	
	6065	100	102.4	41.3	4207.2	91.4	16419	3.9	
	25x10	1600	24	2	44.3	89.3	77.6	1076	12.1
		2000	30	3.7	44.3	162.4	83.3	1682	10.4
		2400	36	6.1	44.2	269.8	86.7	2422	9
		2800	42	9.5	44.1	418.6	88.7	3296	7.9
		3200	48	14.1	44	616	90	4305	7
		3600	55	19.9	43.8	869.3	90.8	5449	6.3
		4000	61	27.3	43.6	1186	91.3	6727	5.7
		4400	68	36.5	43.3	1573.4	91.6	8139	5.2
		4800	75	47.7	43	2039.2	91.7	9687	4.8
		5200	83	61.2	42.6	2591	91.8	11368	4.4
	5600	90	77.3	42.1	3236.5	91.8	13185	4.1	
	6000	98	96.5	41.5	3983.5	91.7	15135	3.8	
	6077	100	100.9	41.4	4151.4	91.5	15526	3.7	
	26x10	1600	24	2.3	44.3	101.5	79.9	1211	11.9
		2000	30	4.2	44.3	186.3	85	1892	10.2
		2400	36	7.1	44.2	311.3	87.8	2724	8.8
		2800	42	11	44.1	484.9	89.6	3708	7.6
		3200	49	16.4	43.9	715.6	90.6	4843	6.8
		3600	55	23.3	43.7	1012	91.2	6129	6.1
		4000	62	32	43.4	1383	91.5	7567	5.5
		4400	69	42.8	43.1	1837.3	91.7	9156	5
		4800	76	56.1	42.7	2384	91.8	10896	4.6
		5200	84	72.2	42.2	3032	91.7	12788	4.2
	5600	92	91.6	41.7	3790.7	91.6	14831	3.9	
	5975	100	113.6	41	4626.5	91.3	16882	3.6	