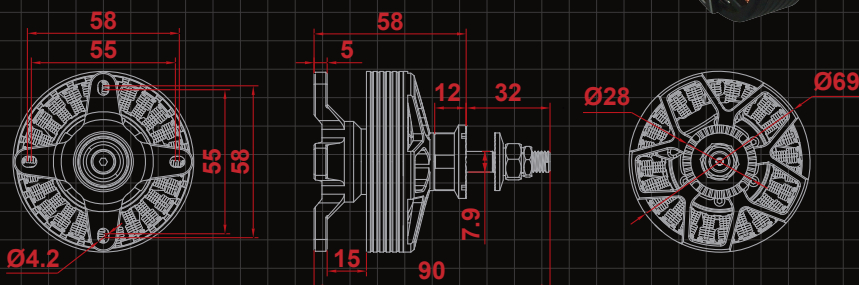


## Dimension 尺寸图

(Unit : mm)



## Specification 规格

GA RACING SERIES                      GA1500R.9 MKII                      GA1500R.10 MKII                      GA1500R.20 MKII

SKU (商品编码)	52246	52247	52248
KV (KV值)	545	490	245
Weight(g) (重量)	305	305	300
Dimensions(D x L)[mm] (尺寸)		69x58	
Length(overall)[mm] (长度)		90	
Diameter of Shaft (mm) (轴径)		D8.0 x 32mm (output)	
Spec. of Mounting Holes (安装孔距)		55 to 58	
Slots & Poles (槽数, 极数)		24,28	
Io@10V (A) (空载电流)	2.3	1.9	0.7
Ri(mOhm) (电机内阻)	12.9	15.5	54.5
No.of Cells(LiPo) (适用电池)	18.5V-22.2V, 5S-6S Lipo		44.4V, 12S Lipo
Peak Power(15S)[W] (峰值功率)	1954	1820	2042
Burst Current (15S) & Peak Torque (峰值电流&峰值扭矩)	88A, 1.93N*M	82A, 2.00N*M	46A, 2.24N*M
Cruising power(8mins)[W] (巡航功率)	977	910	1021
Recommended ESC (推荐调速器)	SUMMIT 100 light	SUMMIT 100 light	Summit 70XHV
Recommended Propeller (螺旋桨)	14x7E to 15x8 for best efficiency, Carbon Fiber 16x7E for pilots performance	15x8E for best efficiency, Carbon Fiber 16x8E for pilots performance	14x6E to 15x8E for best thrust, CF 15x10E for cruising performance
Weight of sports airplane	Up to 7 kg	Up to 6.8 kg	Up to 9 kg
Weight of 3D airplane	Up to 3.3 kg	Up to 3.2 kg	Up to 3.8 kg
Application (适用级别)	Designed for 70E-80E class, 3D airplane (60"-64" wingspan)		Designed for 70E-80E class High Voltage Edition for Fixed Wing Drones

# 18.5V

# GA1500R.9 MKII (545KV)

Motor @ Optimum Efficiency 优化效率点

69.5  
A

Current  
电流

8530  
rpm

Revolutions  
转速

1193  
W

Electric Power  
电功率

1058  
W

Mech. Power  
机械功率

88.7  
%

Efficiency  
效率

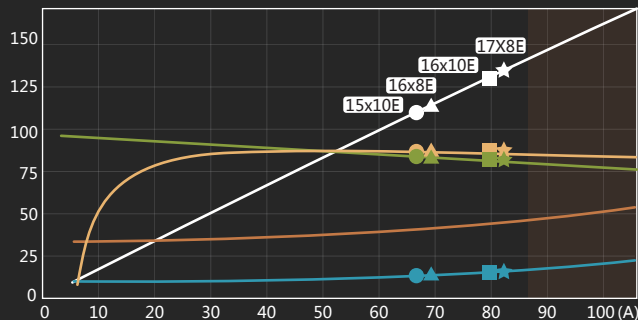
EL. POWER 电功率 [IN 10W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS  
转速 [IN 100RPM]

WASTE POWER  
损耗功率 [IN 10W]

MOTOR CASE TEMP.  
马达壳体温度 [°C]



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
18.5V (5S LIPO)	<b>15x10E</b>						
	4730	52	12.1	232	88.5	1946	8.4
	5320	60	17.2	329	89	2463	7.5
	6500	67	23.8	451	89.2	3040	6.7
	7090	83	42.0	781	89.2	4378	5.6
	7680	92	54.4	996	89	5138	5.2
	8160	100	66.7	1201	88.5	5790	4.8
	<b>16x8E</b>						
	4730	52	12.5	240	88.6	1889	7.9
	5320	60	17.8	341	89	2391	7.0
	5910	67	24.6	466	89.2	2952	6.3
	6500	75	33.1	623	89.2	3572	5.7
	7680	93	56.6	1029	89	4989	4.8
	8120	100	68.3	1230	88.4	5571	4.5
	<b>16x10E</b>						
	4730	53	15.6	298	88.9	2361	7.9
	5320	61	22.4	426	89.1	2989	7.0
	5910	69	31.1	585	89.1	3690	6.3
	6500	77	42.1	783	88.9	4465	5.7
	7090	86	55.8	1015	88.6	5313	5.2
	7870	100	79.7	1410	87.8	6539	4.6
	<b>17x8E</b>						
	4730	53	15.9	304	88.9	2266	7.5
	5320	61	22.9	435	89.1	2868	6.6
	5910	69	31.8	597	89	3541	5.9
	6500	78	43.0	795	88.8	4285	5.4
	7090	87	57.0	1038	88.6	5098	4.9
	7840	100	80.7	1429	87.7	6238	4.4

# 22.2V

# GA1500R.9 MKII (545KV)

Motor @ Optimum Efficiency 优化效率点

86.7  
A

Current  
电流

10010  
rpm

Revolutions  
转速

1753  
W

Electric Power  
电功率

1548  
W

Mech. Power  
机械功率

88.3  
%

Efficiency  
效率

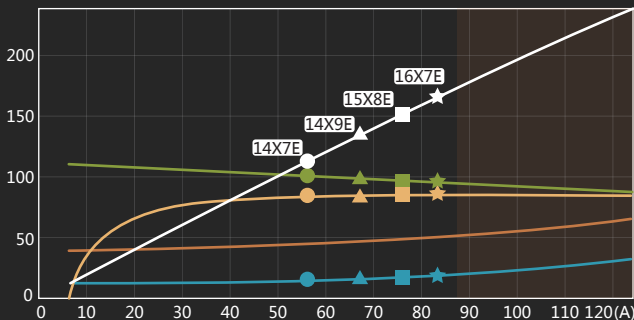
EL. POWER 电功率 [IN 10W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS  
转速 [IN 100RPM]

WASTE POWER  
损耗功率 [IN 10W]

MOTOR CASE TEMP.  
马达壳体温度 [°C]



Voltage  
电压  
(V)

Propeller  
螺旋桨  
(RPM)

Throttle  
油门  
(%)

Current  
电流  
(A)

el. Power  
输入功率  
(W)

Efficiency  
效率  
(%)

Thrust  
静拉力  
(g)

Spec. Thrust  
螺旋桨效率  
(g/W)

22.2V  
(6S LIPO)

Voltage	Propeller	Throttle	Current	el. Power	Efficiency	Thrust	Spec. Thrust
(V)	(RPM)	(%)	(A)	(W)	(%)	(g)	(g/W)
22.2V (6S LIPO)	<b>14x7E</b>						
	5520	50	8.6	199	86.3	1508	7.6
	6900	63	16.8	381	87.8	2355	6.2
	7590	70	22.4	506	88.1	2850	5.6
	8280	78	29.3	656	88.4	3392	5.2
	8970	85	37.6	835	88.5	3980	4.8
	10180	100	56.5	1226	88	5130	4.2
	<b>14x9E</b>						
	5520	50	11.0	251	87.8	1938	7.7
	6210	57	15.6	356	88.5	2452	6.9
	7590	72	28.8	645	89	3664	5.7
	8270	80	37.8	840	89	4361	5.2
8960	88	48.8	1069	89	5118	4.8	
9900	100	67.8	1452	88.3	6239	4.3	
<b>15x8E</b>							
5520	51	12.8	293	88.5	2119	7.2	
6210	58	18.2	414	88.9	2681	6.5	
7590	73	33.9	756	89.2	4006	5.3	
8270	81	44.6	982	89.1	4767	4.9	
8960	90	57.8	1249	89	5595	4.5	
9700	100	75.8	1608	88.3	6554	4.1	
<b>16x7E</b>							
5520	51	14.5	330	88.9	2250	6.8	
6210	58	20.6	466	89.2	2848	6.1	
7590	74	38.6	858	89.2	4254	5.0	
8270	82	51.1	1114	89	5063	4.5	
8960	91	66.5	1423	88.8	5942	4.2	
9540	100	82.6	1735	88.1	6723	3.9	

# 18.5V

# GA1500R.10 MKII (490KV)

Motor @ Optimum Efficiency 优化效率点

57.2  
A

Current  
电流

7780  
rpm

Revolutions  
转速

996  
W

Electric Power  
电功率

885  
W

Mech. Power  
机械功率

88.9  
%

Efficiency  
效率

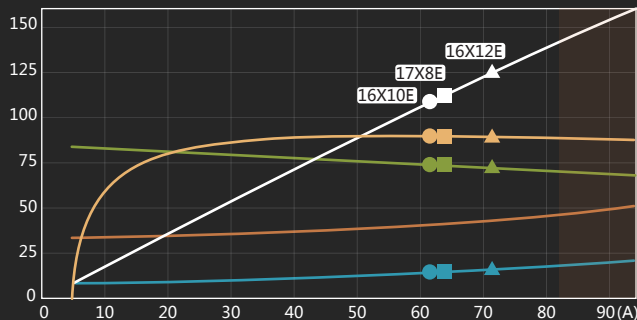
EL. POWER 电功率 [IN 10W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS  
转速 [IN 100RPM]

WASTE POWER  
损耗功率 [IN 10W]

MOTOR CASE TEMP.  
马达壳体温度 [°C]



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
18.5V (5S LIPO)	<b>16x10E</b>						
	4430	55	12.8	246	88.9	2076	8.4
	4930	62	17.6	336	89.2	2562	7.6
	5420	69	23.6	448	89.3	3101	6.9
	5910	76	31.0	582	89.2	3690	6.3
	6900	92	50.7	933	88.9	5022	5.4
	7320	100	62.1	1124	88.3	5654	5.0
	<b>16x12E</b>						
	4430	56	15.4	296	89	2491	8.4
	4930	63	21.3	404	89.1	3075	7.6
	5420	71	28.6	541	89	3721	6.9
	5910	78	37.8	706	88.8	4428	6.3
	6400	86	48.8	898	88.5	5197	5.8
	7130	100	70.5	1262	87.7	6452	5.1
	<b>17x8E</b>						
	4430	55	13.0	250	89	1992	8.0
	4930	62	18.0	344	89.2	2459	7.2
	5420	69	24.1	458	89.3	2975	6.5
	5910	76	31.7	596	89.2	3541	5.9
	6900	93	51.8	949	88.8	4819	5.1
	7300	100	63.0	1140	88.2	5399	4.7



# 22.2V

# GA1500R.10 MKII (490KV)

Motor @ Optimum Efficiency 优化效率点

71.2  
A

Current  
电流

9180  
rpm

Revolutions  
转速

1465  
W

Electric Power  
电功率

1297  
W

Mech. Power  
机械功率

88.5  
%

Efficiency  
效率

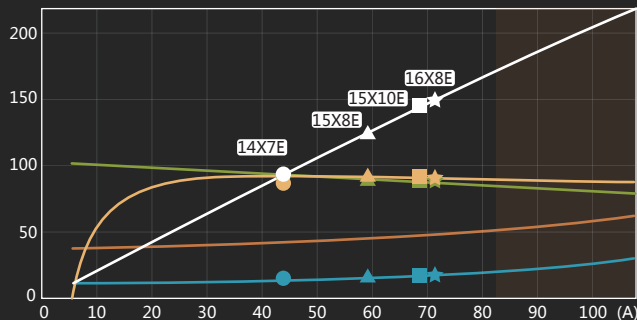
EL. POWER 电功率 [IN 10W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS  
转速 [IN 100RPM]

WASTE POWER  
损耗功率 [IN 10W]

MOTOR CASE TEMP.  
马达壳体温度 [°C]



Voltage  
电压  
(V)

Propeller  
螺旋桨  
(RPM)

Throttle  
油门  
(%)

Current  
电流  
(A)

el. Power  
输入功率  
(W)

Efficiency  
效率  
(%)

Thrust  
静拉力  
(g)

Spec. Thrust  
螺旋桨效率  
(g/W)

22.2V  
(6S LIPO)

Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
				<b>14x7E</b>			
	5520	55	8.6	199	86.4	1508	7.6
	6210	63	12.2	280	87.2	1907	6.8
	6900	70	16.8	381	87.8	2355	6.2
	7590	78	22.4	506	88.1	2850	5.6
	8270	86	29.3	656	88.3	3392	5.2
	9370	100	43.2	950	87.9	4345	4.6
				<b>15x8E</b>			
	4830	49	8.6	197	87.9	1622	8.2
	5520	56	12.7	291	88.6	2119	7.3
	6900	72	25.1	565	89.2	3311	5.9
	7590	81	33.8	755	89.2	4006	5.3
	8270	90	44.6	980	89.2	4767	4.9
	9000	100	58.8	1270	88.5	5635	4.4
				<b>15x10E</b>			
	5320	55	14.2	325	89.1	2463	7.6
	5910	62	19.6	445	89.3	3040	6.8
	6500	69	26.3	592	89.4	3679	6.2
	7090	76	34.6	772	89.3	4378	5.7
	8270	93	56.8	1233	89	5959	4.8
	8750	100	69.0	1471	88.3	6668	4.5
				<b>16x8E</b>			
	5320	55	14.7	336	89.2	2391	7.1
	5910	62	20.3	461	89.4	2952	6.4
	6500	69	27.4	616	89.4	3572	5.8
	7090	77	35.9	797	89.3	4251	5.3
	8270	93	59.0	1275	88.9	5786	4.5
	8710	100	70.7	1506	88.2	6414	4.3

# 44.4V

# GA1500R.20 MKII (245KV)

## Motor @ Optimum Efficiency 优化效率点

45.2  
A

Current  
电流

9400  
rpm

Revolutions  
转速

1915  
W

Electric Power  
电功率

1681  
W

Mech. Power  
机械功率

87.8  
%

Efficiency  
效率

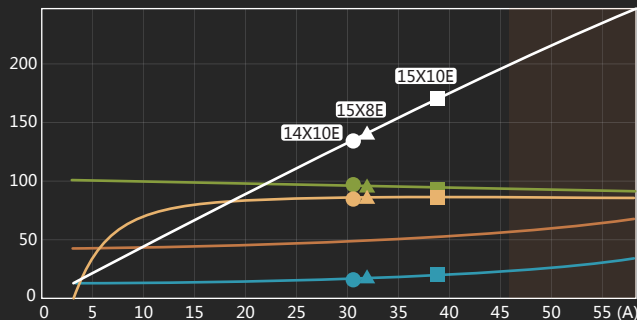
EL. POWER 电功率 [IN 10W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS  
转速 [IN 100RPM]

WASTE POWER  
损耗功率 [IN 10W]

MOTOR CASE TEMP.  
马达壳体温度 [°C]



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
44.4V (12S LIPO)	<b>14x10E</b>						
	5520	55	6.1	274	87.7	2153	7.9
	6210	63	8.6	388	88.1	2725	7.0
	6900	70	11.8	530	88.3	3365	6.3
	7590	78	15.8	701	88.4	4072	5.8
	8270	86	20.6	914	88.4	4845	5.3
	9420	100	31.0	1356	87.6	6275	4.6
	<b>15x8E</b>						
	5520	56	6.4	289	88	2119	7.3
	6210	63	9.0	406	88.4	2681	6.6
	6900	71	12.5	558	88.5	3311	5.9
	7590	78	16.6	740	88.6	4006	5.4
	8270	86	21.8	962	88.5	4767	5.0
	9380	100	32.3	1412	87.7	6120	4.3
	<b>15x10E</b>						
	5520	56	7.9	356	88.8	2649	7.4
	6210	64	11.3	505	89	3352	6.6
	6900	72	15.5	692	89	4139	6.0
	7590	80	20.9	925	88.9	5007	5.4
	8280	88	27.4	1201	88.7	5959	5.0
	9190	100	38.4	1663	87.8	7344	4.4