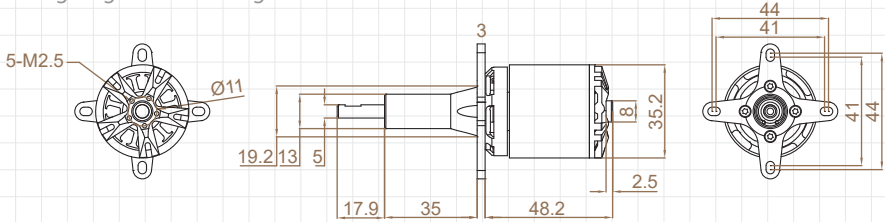


Dimension 尺寸图

Xmotor 3548EGL

* For middle to large size gliders,
e.g. large scale model glider



Specification 参数

NAME 型号	XM3548EGL-9
SKU 商品编码	52068
RPM / V (KV) KV值	820
Weight (g) 重量	200 * Weight includes MFE
Diameter (mm) 直径	D: 35
Length (mm) 长度	L: 48.2, 86.2 incl. extension
Diameter of Shaft(mm) 轴径	5, hollow
Pitch of holes (mm) 安装孔距	19 / 19
Input Connectors 输入插头	DB3
Slots & Poles 槽数, 极数	12N14P
I _o @10V(A)空载电流	1.5
Resistance(Ri)(mOhm) 电机内阻	20.5
No. of Cells(LiPo) 适用电池	3..4 ¹
Max. EfficiencyCurrent(A) 效率电流	30
Max. Burst Current (15S)[A] 峰值电流	60
Max. Power(15S)[W] 峰值功率	960
Torque (mNM) 扭矩	0.87
Recommended ESC 推荐调速器	XC-65-Lite to Summit 100 light
Propeller 螺旋桨	3S: 14x8E, 15x6E, 15x8E ² 4S ¹ : 12x7E, 13x7E ² , 13x8E ²
Applications 适用级别	The weight of model glider is upto 5600 grams

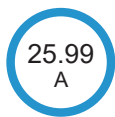
注: ¹ Suggested working voltage(NOC) 建议工作电压(串联节数)

² Good throttle management needed 可在有效控制油门的情况下使用

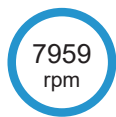
11.1V

XM3548EGL-9 (820KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



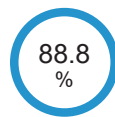
Revolutions
转速



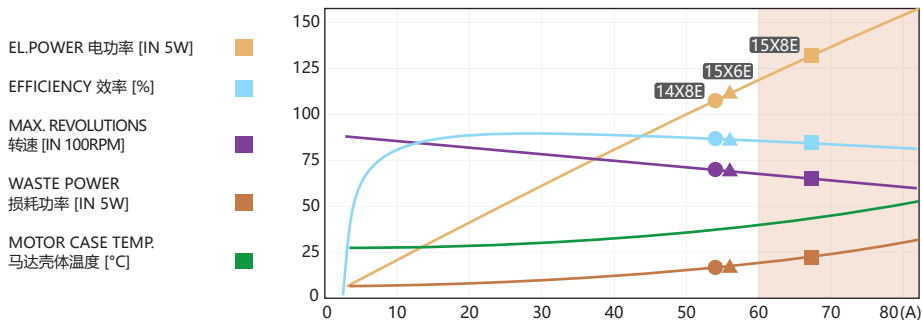
electric Power
电功率



mech. Power
机械功率



Efficiency
效率



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)
11.1V (3S LIPO)	14x8E						
	4000	51	9.4	103	86.1	851	8.3
	4500	58	13.5	147	86.3	1076	7.3
	5500	74	25.3	270	86	1608	5.9
	6000	82	33.4	351	85.6	1913	5.4
	6500	91	43.5	448	85.1	2246	5.0
	6923	100	54.1	551	84.5	2548	4.6
	15x6E						
	4000	51	9.8	106.7	86.2	872	8.2
	4500	58	14.1	151.6	86.4	1103	7.3
	5500	73	26.3	277.7	86.1	1648	5.9
	6000	82	34.7	362.1	85.7	1962	5.4
	6500	91	45.2	462.9	85.2	2302	5
	6938	100	56.5	568.1	84.6	2622	4.6
	15x8E						
	4000	52	13.3	143.8	85.3	1162	8.1
	4500	60	19.2	205.4	85	1471	7.2
	5000	68	26.9	283.4	84.5	1816	6.4
	5500	77	36.6	379.9	83.9	2198	5.8
	6000	87	48.9	497.3	83.2	2615	5.3
	6574	100	67.4	663.7	82.2	3140	4.7

14.8V

XM3548EGL-9 (820KV)

Motor @ Optimum Efficiency 优化效率点

33.48
A

Current
电流

10505
rpm

Revolutions
转速

468.6
W

electric Power
电功率

417.5
W

mech. Power
机械功率

89.1
%

Efficiency
效率

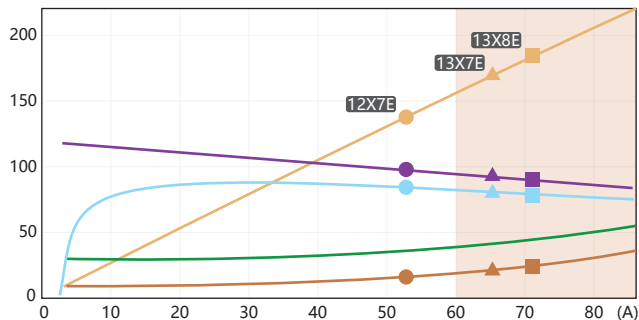
EL. POWER 电功率 [IN 5W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 5W]

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)
14.8V (4S LIPO)	12x7E						
	5600	51	9.5	137.4	87.8	1021	7.4
	6300	59	13.5	194.4	88.3	1292	6.6
	7700	74	25	354	88.5	1930	5.5
	8400	82	32.9	460.2	88.4	2297	5
	9100	91	42.6	586.5	88.2	2695	4.6
	9740	100	53.7	725.2	87.7	3088	4.3
	13x7E						
	5600	53	13.1	189.4	87.7	1298	6.9
	6300	61	18.9	269.5	87.7	1642	6.1
	7000	69	26.3	370.5	87.5	2028	5.5
	7700	77	35.6	495	87.2	2453	5
	8400	87	47.4	645.8	86.8	2920	4.5
	9260	100	66.4	876.4	85.9	3548	4
	13x8E						
	5400	51	13.5	194.8	87.3	1379	7.1
	6000	58	18.7	267.4	87.3	1703	6.4
	7200	73	33.4	465.2	86.7	2452	5.3
	7800	81	43.3	594.4	86.3	2877	4.8
	8400	89	55.5	746.5	85.8	3337	4.5
	9042	100	72.1	942.7	85	3866	4.1