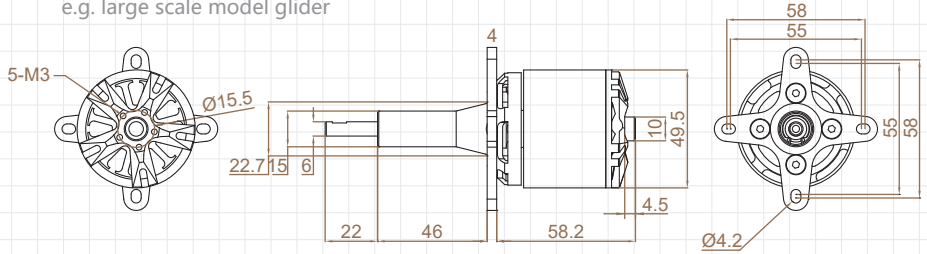


Dimension 尺寸图

Xmotor 5060EGL

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



Specification 参数

NAME 型号	XM5060EGL-12
SKU 商品编码	52070
RPM / V (KV) KV值	400
Weight (g) 重量	435 * Weight includes MFE
Diameter (mm) 直径	D: 49.5
Length (mm) 长度	L: 59.2, 108.2 incl. extension
Diameter of Shaft(mm) 轴径	6, hollow
Pitch of holes (mm) 安装孔距	30 / 30
Input Connectors 输入插头	DB4
Slots & Poles 槽数, 极数	12N14P
I _o @10V(A)空载电流	1.4
Resistance(R _i)(mOhm) 电机内阻	18.5
No. of Cells(LiPo) 适用电池	6~8
Max. EfficiencyCurrent(A) 效率电流	44
Max. Burst Current (15S)[A] 峰值电流	90
Max. Power(15S)[W] 峰值功率	2160
Torque (mNM) 扭矩	2.7
Recommended ESC 推荐调速器	Summit 100 light to Summit 120
Propeller 螺旋桨	6S ¹ : 17x8, 18x8, 18x10 ² 8S: 15x6, 15x8, 16x8 ²
Applications 适用级别	The weight of model glider is upto 12 kgs

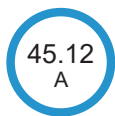
注: ¹ Suggested working voltage(NOC) 建议工作电压(串联节数)

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

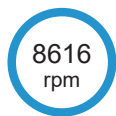
22.2V

XM5060EGL-12 (400KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



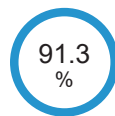
Revolutions
转速



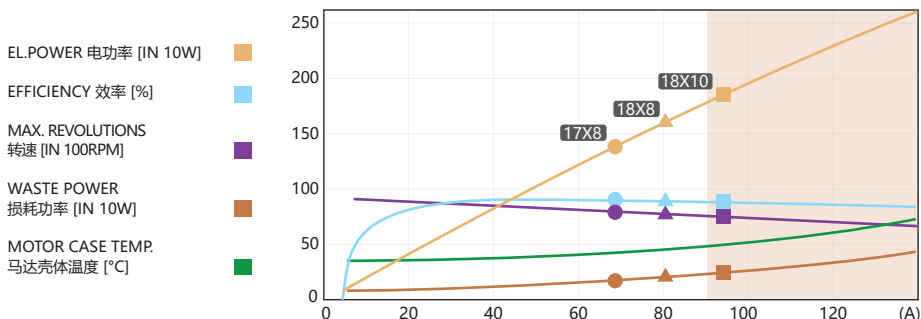
electric Power
电功率



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)
22.2V (6S LIPO)	17x8						
	4200	48	9.3	204	89.6	1866	9.2
	5400	63	19.7	430	90.4	3084	7.2
	6000	70	27.2	590	90.5	3807	6.4
	6600	79	36.6	786	90.4	4607	5.9
	7200	87	48.1	1020	90.1	5482	5.4
	8025	100	68.5	1425	89.6	6810	4.8
	18x8						
	4500	52	14.4	315	89.9	2542	8.1
	5000	58	19.8	432	90	3138	7.3
	6000	72	34.8	747	89.7	4519	6.0
	6500	79	44.8	954	89.4	5304	5.6
	7000	87	56.8	1198	89.1	6151	5.1
	7785	100	80.8	1663	88.4	7609	4.6
	18x10						
	4500	53	18.1	395	89.4	3178	8.1
	5000	60	25.1	544	89.2	3923	7.2
	5500	67	33.7	726	88.9	4747	6.5
	6500	82	57.5	1214	88.1	6630	5.5
	7000	90	73.4	1520	87.6	7689	5.1
7525	100	94	1908	86.9	8886	4.7	

29.6V

XM5060EGL-12 (400KV)

Motor @ Optimum Efficiency 优化效率点

60.25
A

Current
电流

11344
rpm

Revolutions
转速

1696.9
W

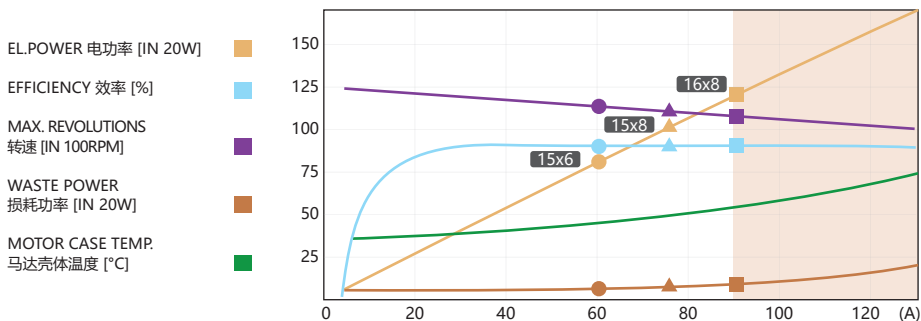
electric Power
电功率

1549.2
W

mech. Power
机械功率

91.3
%

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)
29.6V (8S LIPO)	15x6						
	6400	54	11.1	324	90.3	2232	6.9
	7200	61	15.7	459	90.9	2825	6.2
	8000	68	21.7	629	91.3	3487	5.5
	8800	76	29	835	91.5	4219	5.1
	10400	92	48.7	1378	91.5	5893	4.3
	11132	100	60.7	1699	91.2	6752	4.0
	15x8						
	6400	54	14.8	432	90.9	2976	6.9
	7200	62	21.1	611	91.2	3766	6.2
	8000	70	29.1	837	91.3	4650	5.6
	8800	78	39.1	1118	91.2	5626	5.0
	9600	86	51.4	1450	91.1	6695	4.6
	10799	100	75.6	2086	90.5	8472	4.1
	16x8						
	5600	48	12.8	376	90.7	2765	7.4
	7200	63	27.5	796	90.9	4571	5.7
	8000	71	38.3	1094	90.7	5643	5.2
	8800	80	51.7	1457	90.5	6828	4.7
	9600	89	68.5	1905	90.1	8126	4.3
	10450	100	91.1	2478	89.5	9629	3.9