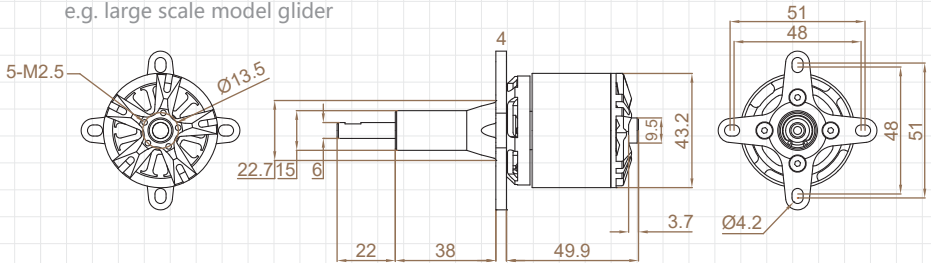


Dimension 尺寸图

Xmotor 4255EGL

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



Specification 参数

NAME 型号	XM4255EGL-10
SKU 商品编码	52069
RPM / V (KV) KV值	620
Weight (g) 重量	300 * Weight includes MFE
Diameter (mm) 直径	D: 43.2
Length (mm) 长度	L: 49.9, 91.9 incl. extension
Diameter of Shaft(mm) 轴径	6, hollow
Pitch of holes (mm) 安装孔距	25 / 25
Input Connectors 输入插头	DB4
Slots & Poles 槽数, 极数	12N14P
I _o @10V(A)空载电流	1.5
Resistance(R _i)(mOhm) 电机内阻	16
No. of Cells(LiPo) 适用电池	4..5 ¹
Max. Efficiency Current(A) 效率电流	36
Max. Burst Current (15S)[A] 峰值电流	72
Max. Power(15S)[W] 峰值功率	1440
Torque (mNM) 扭矩	1.4
Recommended ESC 推荐调速器	XC-65-Lite to Summit 100 light
Propeller 螺旋桨	4S: 14x7E, 15x8E, 16x8E ² 5S ¹ : 13x7E, 14x7E, 15x6E ²
Applications 适用级别	The weight of model glider is upto 8400 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

14.8V

XM4255EGL-10 (620KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



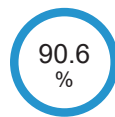
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

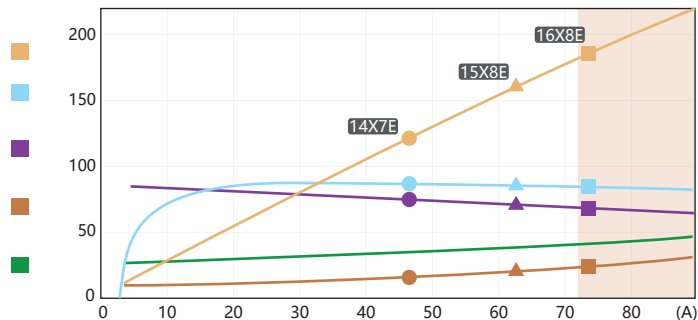
EL. POWER 电功率 [IN 5W]

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)	14x7E						
	4500	54	9	131.3	88.3	1047	8
	5000	60	12.3	178.3	89.2	1292	7.2
	5500	67	16.4	235.8	89.8	1563	6.6
	6500	81	27.4	386.8	90.3	2184	5.6
	7000	89	34.6	482.6	90.4	2532	5.2
	7699	100	47.1	643.9	90.2	3064	4.8
	15x8E						
	4000	48	9.6	138.6	88.5	1162	8.4
	5000	62	18.7	267.7	89.5	1816	6.8
	5500	69	25.2	355.9	89.6	2198	6.2
	6000	77	33.1	462.2	89.5	2615	5.7
	6500	85	42.8	588.6	89.4	3069	5.2
	7293	100	63	837.5	88.9	3864	4.6
	16x8E						
	4000	49	12.4	179.1	88.6	1411	7.9
	4500	56	17.8	254.3	88.8	1785	7
	5500	72	33.4	465.3	88.7	2667	5.7
	6000	80	44.3	606	88.4	3174	5.2
	6500	90	57.8	773.6	88	3725	4.8
	6995	100	74.7	971.9	87.5	4314	4.4

18.5V

XM4255EGL-10 (620KV)

Motor @ Optimum Efficiency 优化效率点

44.69
A

Current
电流

9838
rpm

Revolutions
转速

767.8
W

electric Power
电功率

697
W

mech. Power
机械功率

90.8
%

Efficiency
效率

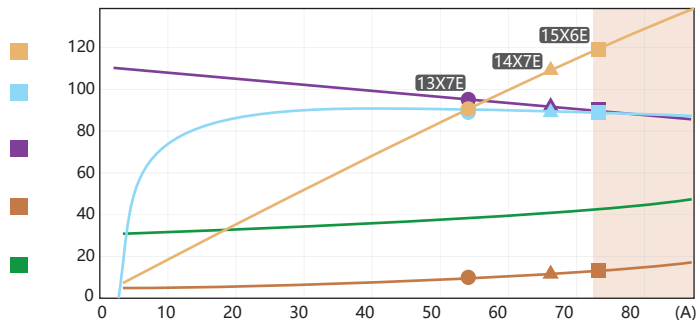
EL. POWER 电功率 [IN 10W]

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)
18.5V (5S LIPO)	13x7E						
	5600	53	9.3	170.6	89.1	1298	7.6
	6300	60	13.2	240.7	89.9	1642	6.8
	7000	67	18	328.3	90.4	2028	6.2
	8400	82	31.3	567.4	90.8	2920	5.2
	9100	89	40.1	717.7	90.9	3427	4.8
	10026	100	54.3	963.7	90.6	4159	4.8
	14x7E						
	5600	54	13.8	248.6	89.8	1621	6.5
	6300	62	19.7	352.4	90.3	2051	5.8
	7000	70	27.4	482.6	90.4	2532	5.2
	7700	79	37	642.4	90.4	3064	4.8
	8400	88	49.1	835.2	90.3	3647	4.4
	9200	100	66.8	1104.6	89.8	4375	4
	15x6E						
	5400	53	14	252	89.8	1589	6.3
	6000	59	19.3	344.5	90.1	1962	5.7
	6600	66	25.9	458	90.2	2373	5.2
	7800	81	44.1	757.3	90	3315	4.4
	8400	90	56.4	947.9	89.8	3845	4.1
	9034	100	72.6	1187.6	89.4	4447	3.7