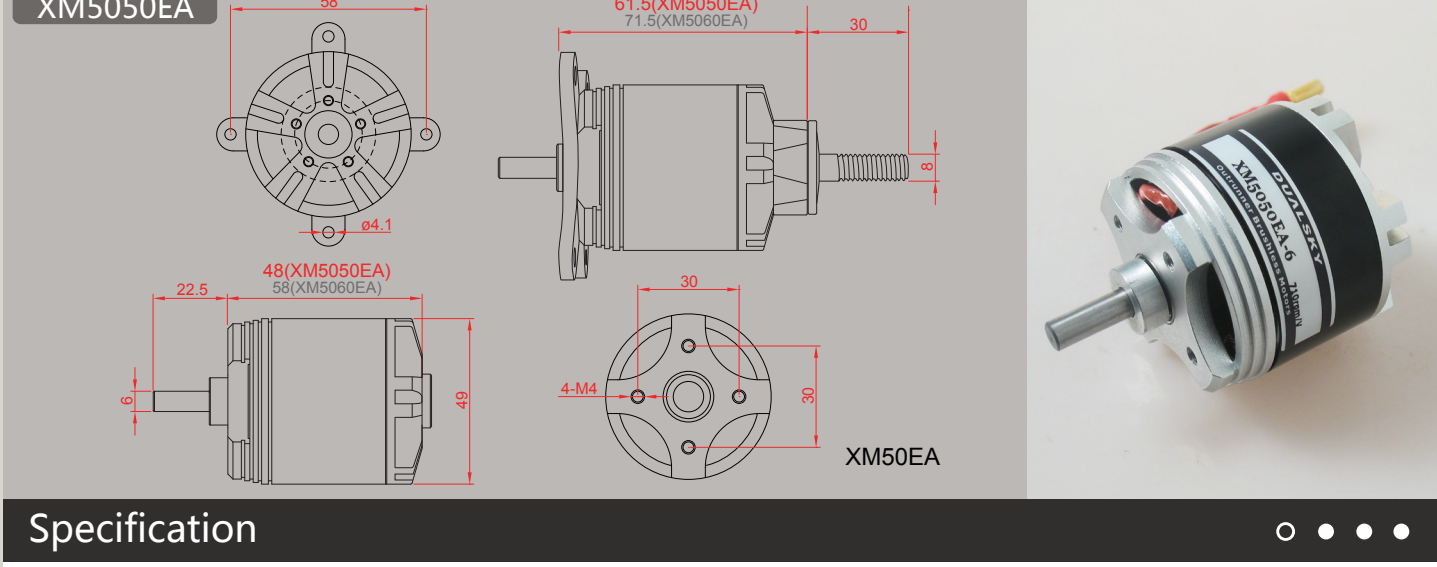


Dimensions



Specification

Xmotor EA Brushless outrunner	XM5050EA-6	XM5050EA-7
Item NO. (商品编码)	55693	55694
RPM/V (KV) (KV值)	710	610
Alias(Stator diameter, Magnet length) (定子直径, 磁铁长度)	4120	4120
Weight(g) (重量)	293	285
Diameter(mm) (直径)	49	49
Length(mm) (长度)	48	48
Diameter of Shaft(mm) (轴径)	6.0	6.0
Mounting holes pitch(mm) (安装孔距)	30/30	30/30
Slots,Poles (极数)	12,14	12,14
Idle Current(Io) @10V(A) (空载电流)	3.3	2.4
Resistance(Ri)(mOhm) (电阻)	12	16
Cruising power(W)[8 mins] (巡航功率)	682	710
Bursts current(A)[15s] (最大电流)	84	70
Peak power(W)[15s] (峰值功率)	1240	1291
Recommended ESC (推荐调速器)	XC8018BA	XC8018BA
Setup 1(No. of Cell, Prop.) (配置1)	4S, 15x6	4S, 15x8
Setup 2(No. of Cell, Prop.) (配置1)	N/A	5S, 14x6
Max. weight of sport models(kg) (适用的运动型飞机最大重量)	3.4	3.6
Max. weight of 3D models(kg) (适用的3D机最大重量)	2.3	2.4
Memo (备注)	.55-.65 2-stroke	Up to .82 4st

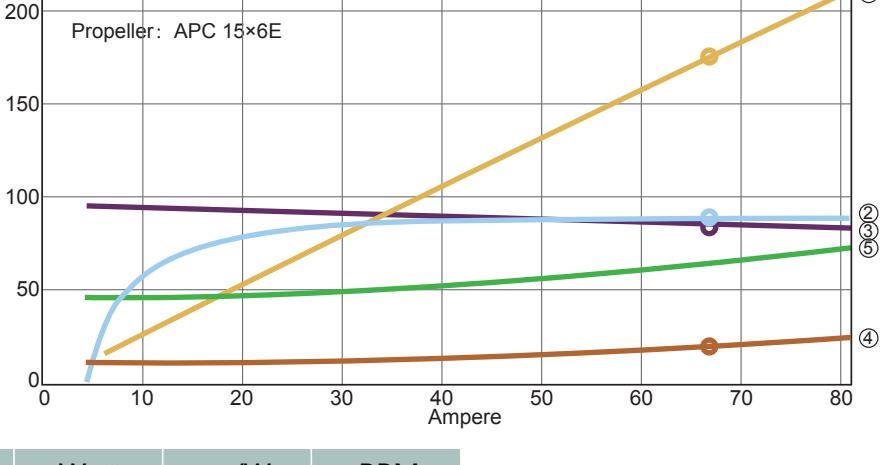
Specification

Xmotor EA Brushless outrunner	XM5050EA-8	XM5050EA-9	XM5050EA-10
Item NO. (商品编码)	55695	55696	55771
RPM/V (KV) (KV值)	535	480	430
Alias(Stator diameter, Magnet length) (定子直径, 磁铁长度)	4120	4120	4120
Weight(g) (重量)	284	281	281
Diameter(mm) (直径)	49	49	49
Length(mm) (长度)	48	48	48
Diameter of Shaft(mm) (轴径)	6.0	6.0	6.0
Mounting holes pitch(mm) (安装孔距)	30/30	30/30	30/30
Slots,Poles (极数)	12,14	12,14	12,14
Idle Current(Io) @10V(A) (空载电流)	2.0	1.6	1.3
Resistance(Ri)(mOhm) (电阻)	20	25	30
Cruising power(W)[8 mins] (巡航功率)	745	683	640
Bursts current(A)[15s] (最大电流)	61	56	52
Peak power(W)[15s] (峰值功率)	1354	1242	1163
Recommended ESC (推荐调速器)	XC6018BA	XC6018BA	XC6018BA
Setup 1(No. of Cell, Prop.) (配置1)	5S, 15x6	5S, 15x8	5S, 16x10
Setup 2(No. of Cell, Prop.) (配置1)	6S, 14x5	6S, 14x7	6S, 15x8
Max. weight of sport models(kg) (适用的运动型飞机最大重量)	3.7	3.4	3.2
Max. weight of 3D models(kg) (适用的3D机最大重量)	2.5	2.3	2.1
Memo (备注)	.55-.65 2-stroke	Up to .82 4st	

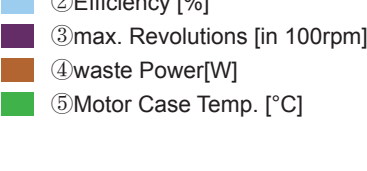
XM5050EA-6 (710KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	64.79A
Voltage(电压):	13.21V
Revolutions(转速):	8559rpm
electric Power(输入功率):	855.6W
mech. Power(输出功率):	758.2W
Efficiency(效率):	88.6%



Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速
Motor @ Maximum , 18.5V (5S Lipo)					
APC 13×6.5E	4488g	67.88	1120.6	4.0	10808
*APC 14×7E	5630g	89.41	1451.0	3.9	10437
14.8V (4S Lipo)					
APC 14×7E	3831g	61.57	815.3	4.7	8610
APC 15×6E	3952g	67.52	889.7	4.4	8516
APC 15×8E	4964g	83.39	1084.3	4.6	8266

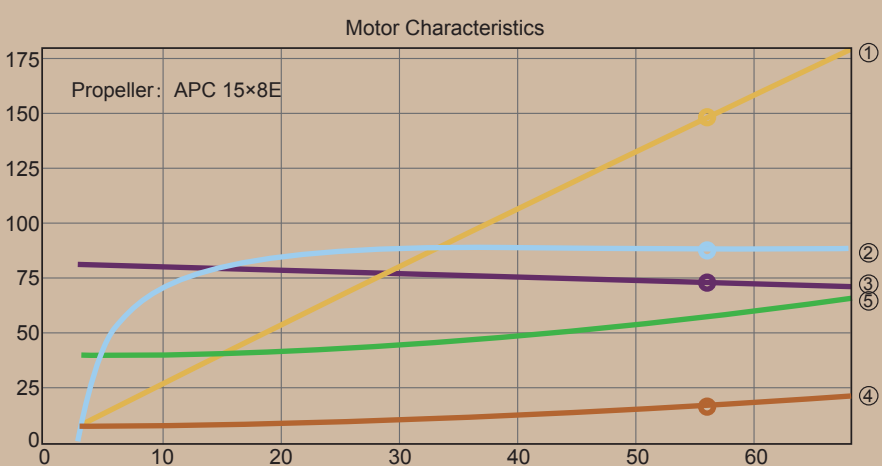


* 超限 Over load

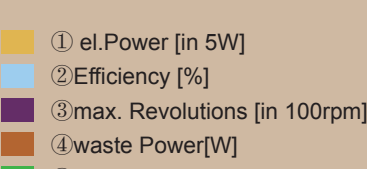
XM5050EA-7 (610KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	47.77A
Voltage(电压):	13.39V
Revolutions(转速):	7471rpm
electric Power(输入功率):	639.7W
mech. Power(输出功率):	568.9W
Efficiency(效率):	88.9%



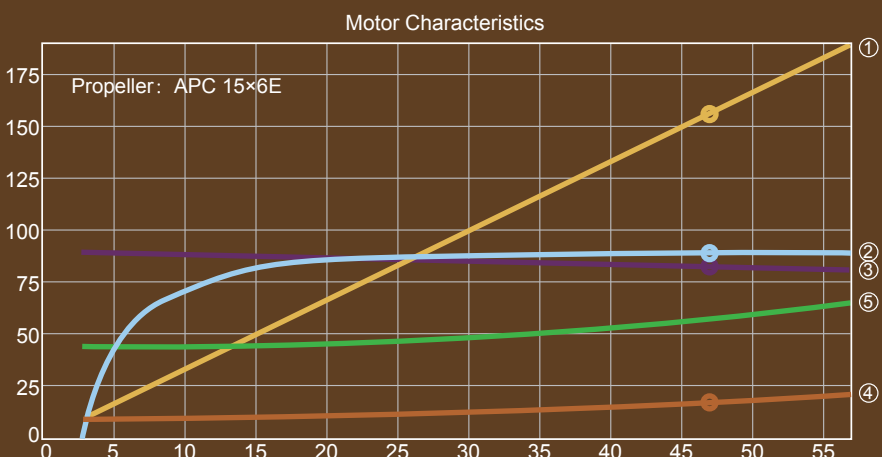
Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速
Motor @ Maximum , 18.5V (5S Lipo)					
APC 13×6.5E	3477g	45.26	760.4	4.6	9513
APC 14×7E	4423g	60.56	1005.4	4.4	9251
14.8V (4S Lipo)					
APC 15×6E	3071g	45.50	610.4	5.0	7508
APC 15×8E	3901g	56.82	755.3	5.2	7327
APC 16×8E	4490g	68.81	905.7	5.0	7136



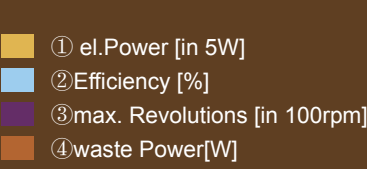
XM5050EA-8 (535KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	46.6A
Voltage(电压):	16.78V
Revolutions(转速):	8227rpm
electric Power(输入功率):	782.1W
mech. Power(输出功率):	698.1W
Efficiency(效率):	89.3%



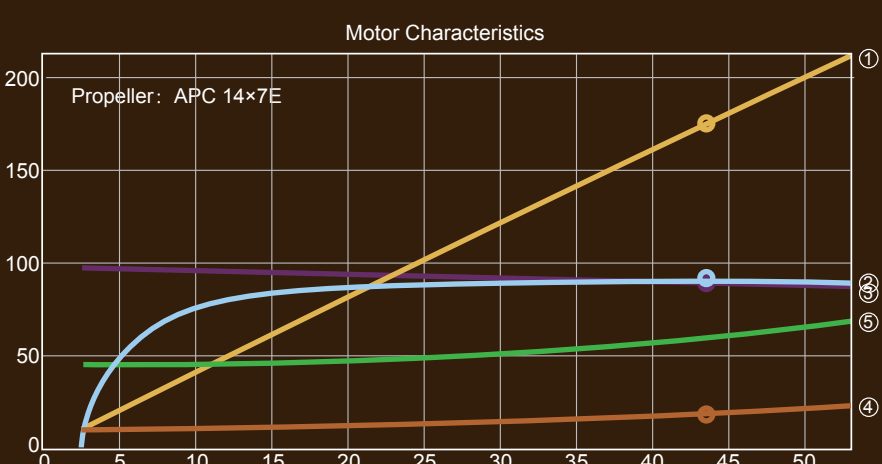
Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速
Motor @ Maximum , 22.2V (6S Lipo)					
APC 13×6.5E	3864g	43.99	888.9	4.4	10028
APC 14×7E	4919g	58.96	1178.0	4.2	9755
APC 15×6E	5074g	64.74	1287.7	3.9	9650
18.5V (5S Lipo)					
APC 15×6E	3674g	47.45	795.9	4.6	8212
APC 15×8E	4661g	59.25	984.8	4.7	8010



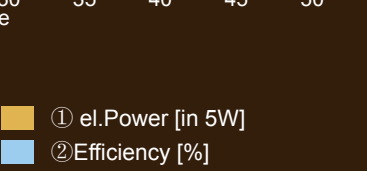
XM5050EA-9 (480KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	43.23A
Voltage(电压):	20.22V
Revolutions(转速):	8909rpm
electric Power(输入功率):	873.9W
mech. Power(输出功率):	783.7W
Efficiency(效率):	89.7%



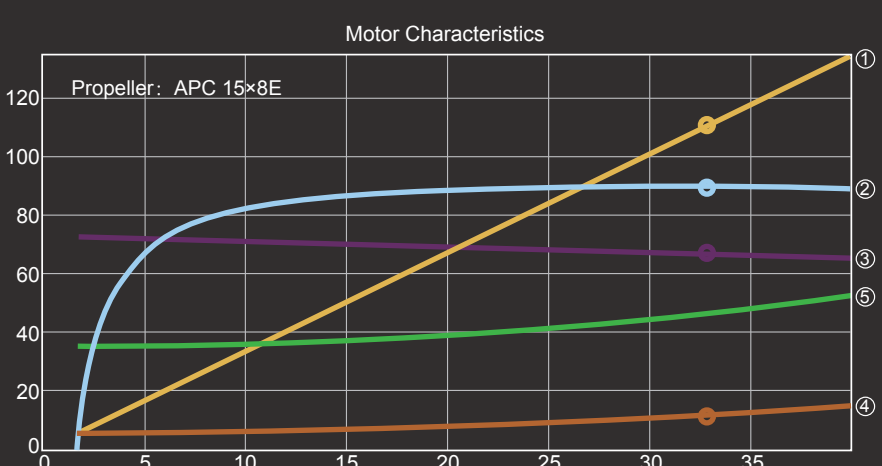
Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速
Motor @ Maximum , 22.2V (6S Lipo)					
APC 13×6.5E	3186g	32.69	666	4.8	9106
APC 14×7E	4086g	44.14	891.8	4.6	8892
APC 15×8E	5353g	60.66	1210.3	4.4	8584
18.5V (5S Lipo)					
APC 15×7E	3470g	40.06	675.7	5.1	7388
APC 16×8E	4492g	54.22	904.7	5.0	7137



XM5050EA-10 (430KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	29.81A
Voltage(电压):	17V
Revolutions(转速):	6719rpm
electric Power(输入功率):	506.8W
mech. Power(输出功率):	455W
Efficiency(效率):	89.8%



Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速
Motor @ Maximum , 22.2V (6S Lipo)					
APC 14×7E	3379g	32.87	669.6	5.1	8086
APC 15×6E	3506g	36.30	737.6	4.8	8021
18.5V (5S Lipo)					
APC 15×8E	3219g	33.26	563.9	5.7	6657
APC 16×8E	3750g	40.80	687.8	5.5	6522
APC 17×10E	5109g	57.80	961.8	5.3	6217

