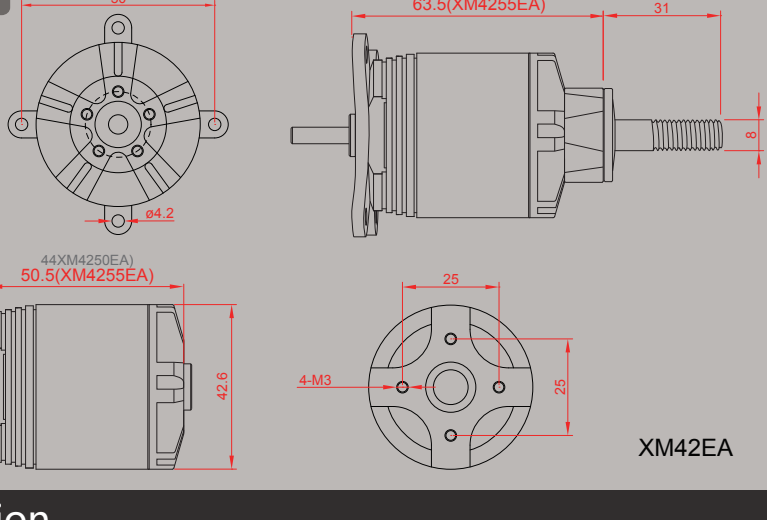


Dimensions

XM4255EA



Specification

Xmotor EA Brushless outrunner	XM4255EA-4.5	XM4255EA-5
Item NO. (商品编码)	55689	55690
RPM/V (KV) (KV值)	790	710
Alias(Stator diameter, Magnet length) (定子直径, 磁铁长度)	3525	3525
Weight(g) (重量)	252	250
Diameter(mm) (直径)	42	42
Length(mm) (长度)	50.5	50.5
Diameter of Shaft(mm) (轴径)	6.0	6.0
Mounting holes pitch(mm) (安装孔距)	25/25	25/25
Slots,Poles (极数)	12,14	12,14
Idle Current(Io) @10V(A) (空载电流)	4.7	4.0
Resistance(Ri)(mOhm) (电阻)	12	14
Cruising power(W)[8 mins] (巡航功率)	621	583
Bursts current(A)[15s] (最大电流)	76	72
Peak power(W)[15s] (峰值功率)	1128	1060
Recommended ESC (推荐调速器)	XC8018BA	XC8018BA
Setup 1(No. of Cell, Prop.) (配置1)	3S, 15x6	3S, 15x8
Setup 2(No. of Cell, Prop.) (配置1)	4S, 14x4	4S, 14x6
Max. weight of sport models(kg) (适用的运动型飞机最大重量)	3.1	2.9
Max. weight of 3D models(kg) (适用的3D机最大重量)	2.1	1.9
Memo (备注)	.46-.55 2-stroke	Up to .72 4st

Specification

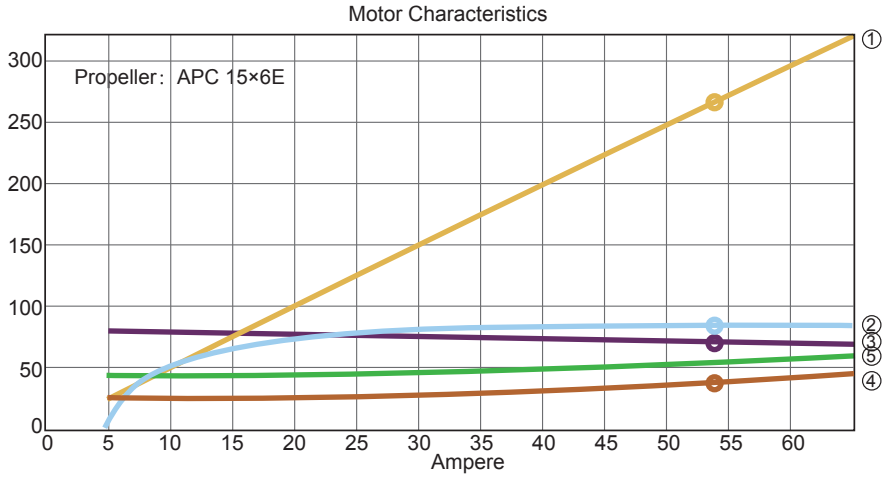
Xmotor EA Brushless outrunner	XM4255EA-6	XM4255EA-7	XM4255EA-8
Item NO. (商品编码)	55691	55692	55770
RPM/V (KV) (KV值)	590	505	445
Alias(Stator diameter, Magnet length) (定子直径, 磁铁长度)	3525	3525	3525
Weight(g) (重量)	251	250	246
Diameter(mm) (直径)	42	42	42
Length(mm) (长度)	49	49	49
Diameter of Shaft(mm) (轴径)	6.0	6.0	6.0
Mounting holes pitch(mm) (安装孔距)	25/25	25/25	25/25
Slots,Poles (极数)	12,14	12,14	12,14
Idle Current(Io) @10V(A) (空载电流)	2.9	2.3	2.0
Resistance(Ri)(mOhm) (电阻)	18	23	32
Cruising power(W)[8 mins] (巡航功率)	628	653	574
Bursts current(A)[15s] (最大电流)	62	53	47
Peak power(W)[15s] (峰值功率)	1142	1187	1044
Recommended ESC (推荐调速器)	XC6018BA	XC6018BA	XC6018BA
Setup 1(No. of Cell, Prop.) (配置1)	4S, 15x6	5S, 14x7	5S, 15x8
Setup 2(No. of Cell, Prop.) (配置1)	5S, 14x6	6S, 14x5(52A)	6S, 15x6
Max. weight of sport models(kg) (适用的运动型飞机最大重量)	3.1	3.3	2.9
Max. weight of 3D models(kg) (适用的3D机最大重量)	2.1	2.2	1.9
Memo (备注)	.46-.55 2-stroke	Up to .72 4st	

XM4255EA-4.5 (790KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	60.69A
Voltage(电压):	9.9V
Revolutions(转速):	7028rpm
electric Power(输入功率):	600.9W
mech. Power(输出功率):	515.4W
Efficiency(效率):	85.8%



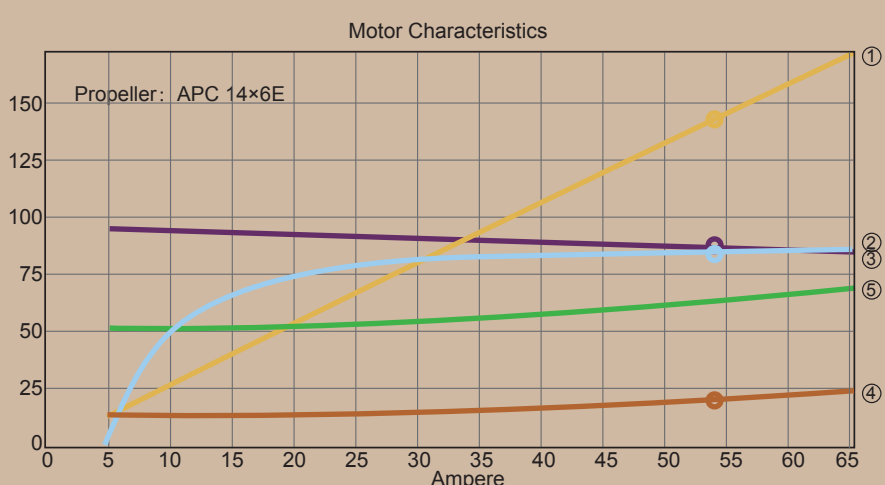
Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速
Motor @ Maximum , 14.8V (4S Lipo)					
APC 13x6.5E	3541g	60.46	801.3	4.4	9600
APC 13x8E	4200g	70.51	926.8	4.5	9423
APC 14x7E	4440g	79.32	1035.0	4.3	9269
11.1V (3S Lipo)					
APC 15x6E	2772g	54.14	539.1	5.1	7133
APC 15x8E	3491g	66.72	657	5.3	6932

XM4255EA-5 (710KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	65.74A
Voltage(电压):	13.2V
Revolutions(转速):	8454rpm
electric Power(输入功率):	867.5W
mech. Power(输出功率):	751W
Efficiency(效率):	86.6%



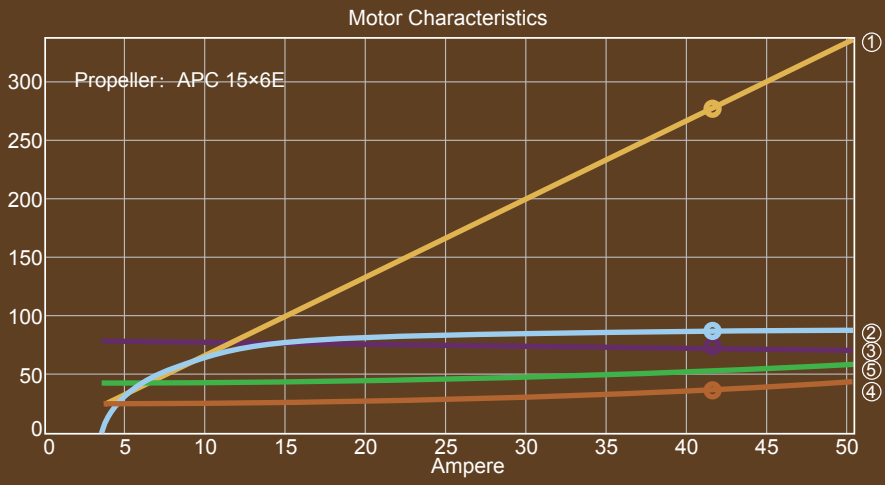
Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速
Motor @ Maximum , 14.8V (4S Lipo)					
APC 14x6E	3313g	54.45	725.2	4.6	8647
APC 14x7E	3736g	61.12	809.6	4.7	8533
APC 15x6E	3876g	66.86	881.4	4.4	8435
11.1V (3S Lipo)					
APC 15x6E	2327g	41.44	417.2	5.6	6535
APC 15x8E	2956g	51.42	513.3	5.8	6378
APC 15x10E	3532g	60.47	598.8	3.4	6236

XM4255EA-6 (590KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	49.18A
Voltage(电压):	13.38V
Revolutions(转速):	7148rpm
electric Power(输入功率):	657.8W
mech. Power(输出功率):	573.8W
Efficiency(效率):	87.2%



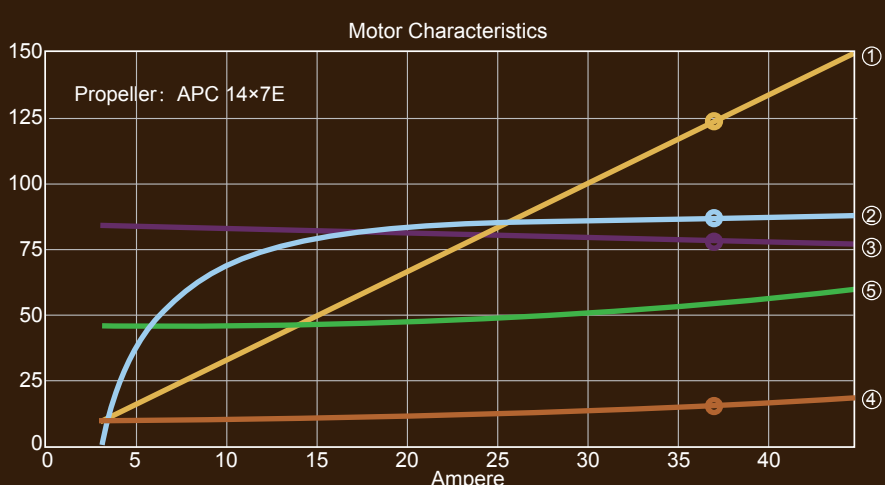
Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速
Motor @ Maximum , 18.2V (5S Lipo)					
APC 14x6E	3647g	49.56	829.9	4.4	9073
APC 14x7E	4151g	55.80	929.9	4.5	8962
14.8V (4S Lipo)					
APC 15x6E	2878g	41.96	564.5	5.1	7268
APC 15x8E	3659g	52.28	697.6	5.3	7097
APC 16x8E	4217g	63.24	836.2	5.0	6916

XM4255EA-7 (505KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	45.99A
Voltage(电压):	16.79V
Revolutions(转速):	7707rpm
electric Power(输入功率):	772.3W
mech. Power(输出功率):	678.5W
Efficiency(效率):	87.9%



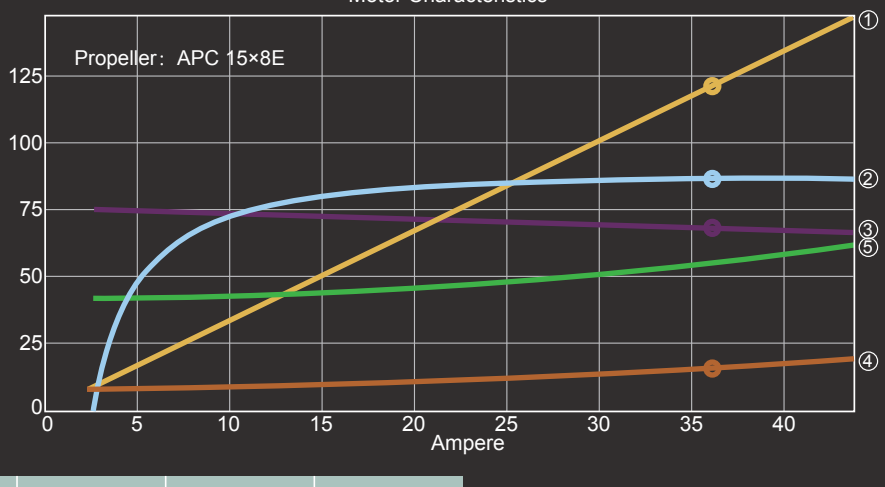
Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速
Motor @ Maximum , 22.2V (6S Lipo)					
APC 14x7E	4441g	51.04	1025.7	4.3	9270
APC 14x6E	3896g	45.25	913.4	4.3	9378
18.5V (5S Lipo)					
APC 14x7E	3194g	37.27	630.1	5.1	7861
APC 15x6E	3311g	41.04	691.7	4.8	7795
APC 15x8E	4212g	51.25	857.1	4.9	7615

XM4255EA-8 (445KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	35.73A
Voltage(电压):	16.93V
Revolutions(转速):	6812rpm
electric Power(输入功率):	604.8W
mech. Power(输出功率):	526.1W
Efficiency(效率):	87%



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 14x7E	3536g	36.24	736.4	4.8	8271
APC 15x6E	3661g	39.87	807.9	4.5	8197
APC 15x8E	4647g	49.68	999.4	4.7	7998
18.5V (5S Lipo)					
APC 15x6E	2625g	29.09	494.9	5.3	6941
APC 15x8E	3358g	36.45	616.5	5.5	6798
APC 16x8E	3893g	44.34	745.6	5.2	6645