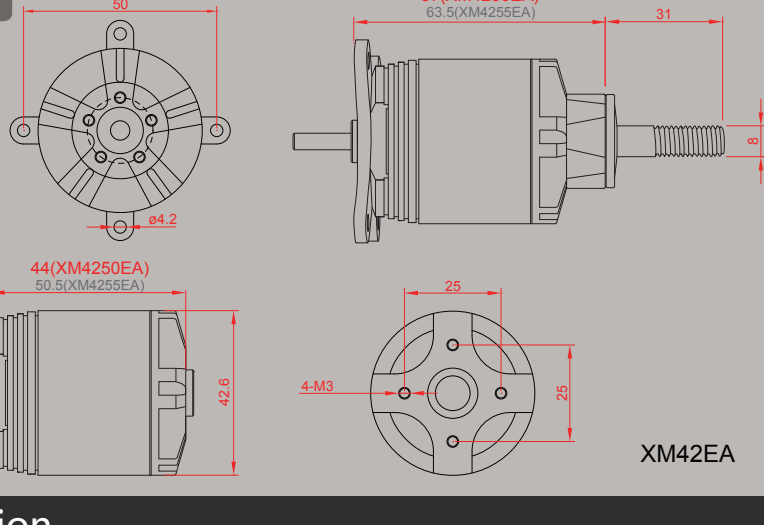


Dimensions

XM4250EA



Specification

Xmotor EA Brushless outrunner	XM4250EA-4	XM4250EA-5	XM4250EA-6
Item NO. (商品编码)	55685	55686	55687
RPM/V (KV) (KV值)	1100	880	745
Alias(Stator diameter, Magnet length) (定子直径, 磁铁长度)	3520	3520	3520
Weight(g) (重量)	211	210	210
Diameter(mm) (直径)	42	42	42
Length(mm) (长度)	44	44	44
Diameter of Shaft(mm) (轴径)	5.0	5.0	5.0
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)	6.7	4.6	3.8
Resistance(Ri)(mOhm) (电阻)	9	12	16
Cruising power(W)[8 mins] (巡航功率)	499	551	498
Bursts current(A)[15s] (最大电流)	82	68	61
Peak power(W)[15s] (峰值功率)	907	1001	905
Recommended ESC (推荐调速器)	XC8018BA	XC8018BA	XC6018BA
Setup 1(No. of Cell, Prop.) (配置1)	3S, 13x6	3S, 14x6	4S, 13x6
Setup 2(No. of Cell, Prop.) (配置1)	N/A	4S, 13x4	N/A
Max. weight of sport models(kg) (适用的运动型飞机最大重量)	2.5	2.8	2.5
Max. weight of 3D models(kg) (适用的3D机最大重量)	1.7	1.8	1.7
Memo (备注)	.32-.40 2-stroke Up to .56 4st		

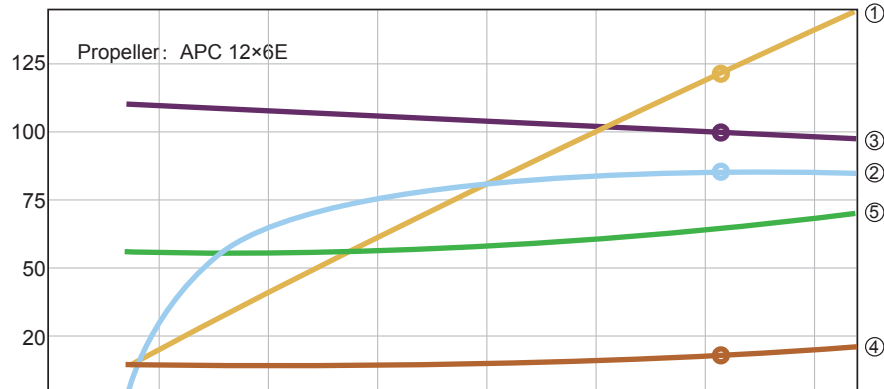
Specification

Xmotor EA Brushless outrunner	XM4250EA-7	XM4250EA-8	XM4250EA-9	XM4250EA-10
Item NO. (商品编码)	55767	55688	55768	55769
RPM/V (KV) (KV值)	640	560	500	450
Alias(Stator diameter, Magnet length) (定子直径, 磁铁长度)	3520	3520	3520	3520
Weight(g) (重量)	209	205	207	205
Diameter(mm) (直径)	42	42	42	42
Length(mm) (长度)	44	44	44	44
Diameter of Shaft(mm) (轴径)	5.0	5.0	5.0	5.0
Mounting holes pitch(mm) (安装孔距)	25/25	25/25	25/25	25/25
Slots,Poles (极数)	12,14	12,14	12,14	12,14
Idle Current(Io) @10V(A) (空载电流)	2.4	2.3	1.5	1.3
Resistance(Ri)(mOhm) (电阻)	22	26	32	40
Cruising power(W)[8 mins] (巡航功率)	519	482	514	471
Bursts current(A)[15s] (最大电流)	51	47	42	39
Peak power(W)[15s] (峰值功率)	944	877	935	857
Recommended ESC (推荐调速器)	XC6018BA	XC6018BA	XC6018BA	XC4018BA
Setup 1(No. of Cell, Prop.) (配置1)	4S, 14x7	4S, 15x6	5S, 14x7	5S, 15x6
Setup 2(No. of Cell, Prop.) (配置1)	5S, 12x7	5S, 13x7	6S, 13x6	6S, 13x8
Max. weight of sport models(kg) (适用的运动型飞机最大重量)	2.6	2.4	2.6	2.4
Max. weight of 3D models(kg) (适用的3D机最大重量)	1.7	1.6	1.7	1.6
Memo (备注)	.32-.40 2-stroke Up to .56 4st			

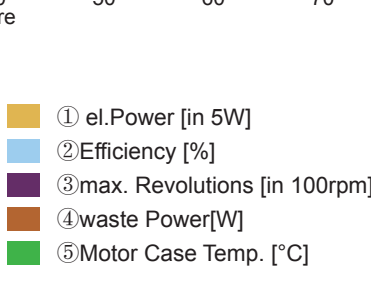
XM4250EA-4 (1100KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	82.72A
Voltage(电压):	9.71V
Revolutions(转速):	9562rpm
electric Power(输入功率):	802.8W
mech. Power(输出功率):	685.4W
Efficiency(效率):	85.4%



Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速
Motor @ Maximum , 11.1V (3S Lipo)					
APC 10x6E	1765g	35.59	360.2	4.9	10457
APC 11x7E	2569g	53.23	530.4	4.8	10122
APC 12x6E	2771g	61.44	607.9	4.6	9966
APC 13x6.5E	3525g	81.85	795.1	4.4	9578
*APC 14x7E	4317g	105	998.6	4.3	9139

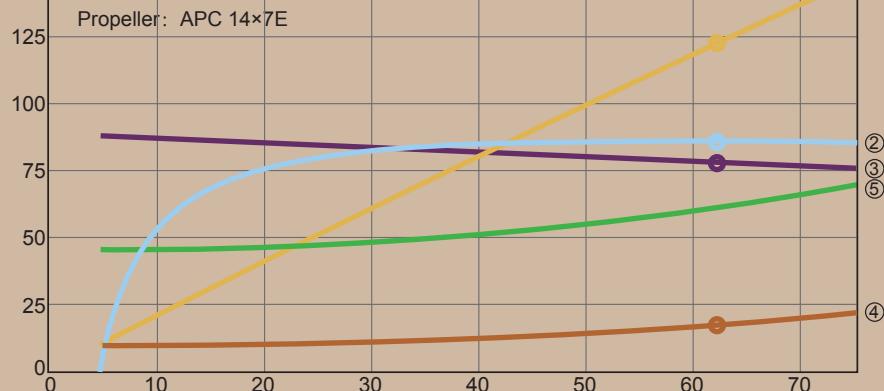


* 超限 Over load

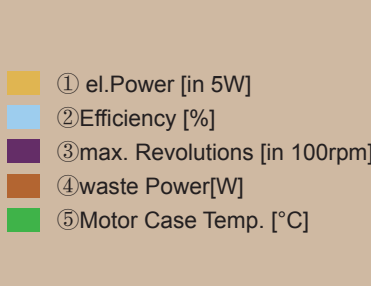
XM4250EA-5 (880KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	59.9A
Voltage(电压):	9.91V
Revolutions(转速):	7843rpm
electric Power(输入功率):	593.4W
mech. Power(输出功率):	510.1W
Efficiency(效率):	86%



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 12x6E	3226g	57.36	762.1	4.2	10754
*APC 13x6.5E	4133g	76.96	1006.1	4.1	10371
*APC 14x7E	5096g	99.51	1276.5	4.0	9930
11.1V (3S Lipo)					
APC 13x8E	2965g	55.64	553.3	5.4	7919
APC 14x7E	3140g	62.66	619.3	5.1	7794
APC 15x8E	4007g	83.33	808.3	5.0	7427

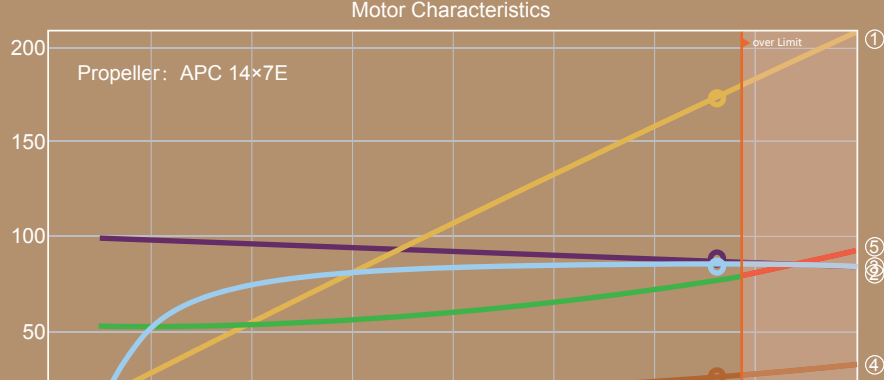


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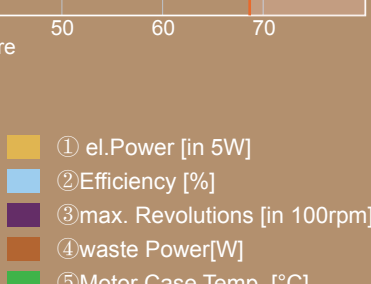
XM4250EA-6 (745KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	60.36A
Voltage(电压):	13.25V
Revolutions(转速):	8880rpm
electric Power(输入功率):	800.1W
mech. Power(输出功率):	688.1W
Efficiency(效率):	86%



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 12x6E	3599g	57.66	959.5	3.8	11359
14.8V (4S Lipo)					
APC 13x6.5E	3159g	50.71	677.5	4.7	9068
APC 13x8E	3748g	59.20	785.3	4.8	8903
APC 14x7E	3964g	66.64	878.7	4.5	8758
*APC 15x6E	4068g	72.66	953.3	4.3	8641

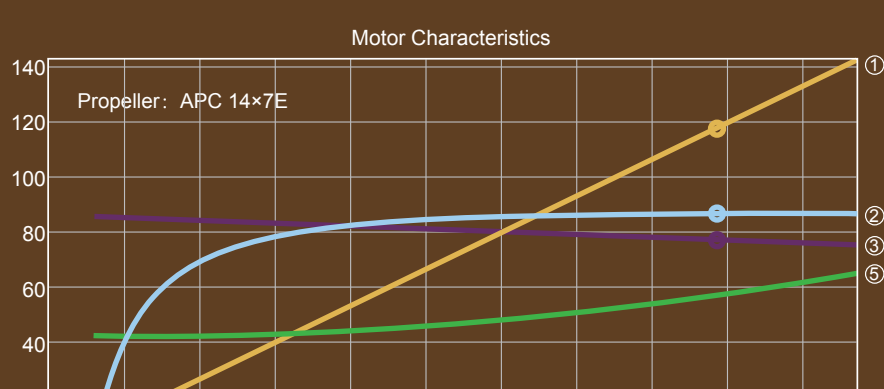


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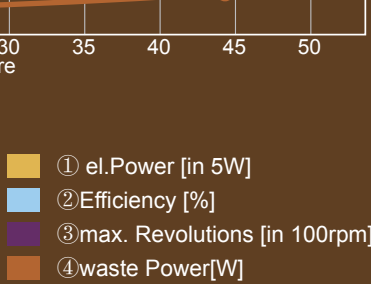
XM4250EA-7 (640KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	40.99A
Voltage(电压):	13.47V
Revolutions(转速):	7799rpm
electric Power(输入功率):	551.9W
mech. Power(输出功率):	480.6W
Efficiency(效率):	87.1%



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 13x6.5E	3636g	49.15	823.3	4.4	9728
*APC 13x8E	4310g	57.48	956.7	4.5	9547
14.8V (4S Lipo)					
APC 13x6.5E	2430g	33.50	453.9	5.4	7952
APC 14x7E	3084g	44.62	599.0	5.2	7725
APC 15x8E	3985g	60.25	798.6	5.0	7406

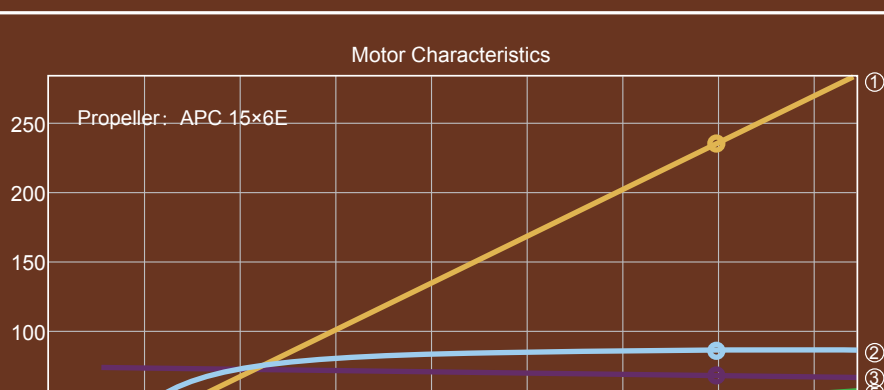


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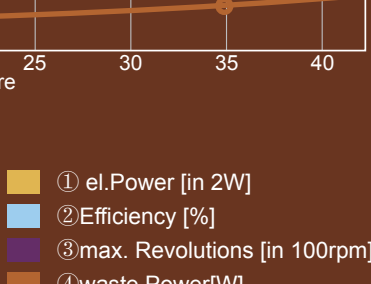
XM4250EA-8 (560KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	36.53A
Voltage(电压):	13.51V
Revolutions(转速):	6825rpm
electric Power(输入功率):	493.7W
mech. Power(输出功率):	426.8W
Efficiency(效率):	86.5%



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 13x8E	3473g	41.37	697.2	5.0	8570
APC 14x7E	3694g	46.85	786.2	4.7	8454
14.8V (4S Lipo)					
APC 13x6.5E	1925g	23.91	326.4	5.9	7078
APC 15x6E	2558g	35.19	476.0	5.4	6852
APC 15x8E	3242g	43.74	587.6	5.5	6680

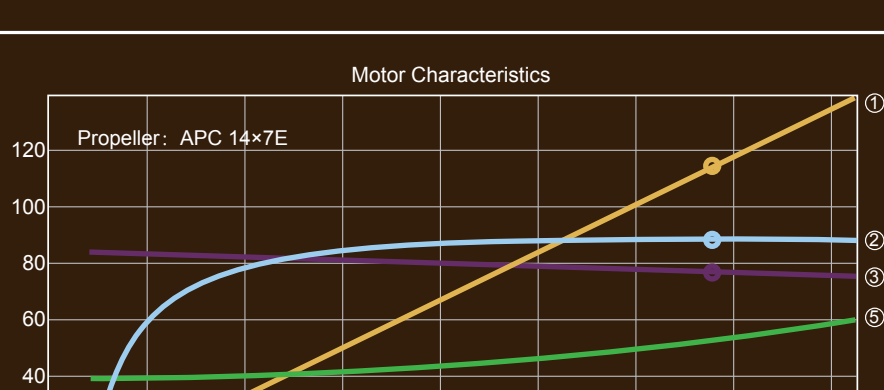


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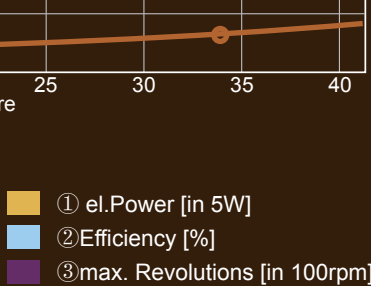
XM4250EA-9 (500KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	31.74A
Voltage(电压):	16.98V
Revolutions(转速):	7741rpm
electric Power(输入功率):	538.9W
mech. Power(输出功率):	476.6W
Efficiency(效率):	88.4%



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 12x6E	2539g	25.46	521.6	4.9	9539
APC 13x6.5E	3335g	35.23	716.5	4.7	9316
*APC 14x7E	4228g	47.10	949.3	4.5	9045
18.5V (5S Lipo)					
APC 13x6.5E	2384g	25.56	436.0	5.5	7876
APC 14x7E	3051g	34.40	582.9	5.2	7683
APC 15x8E	3985g	47.09	790.1	5.0	7406

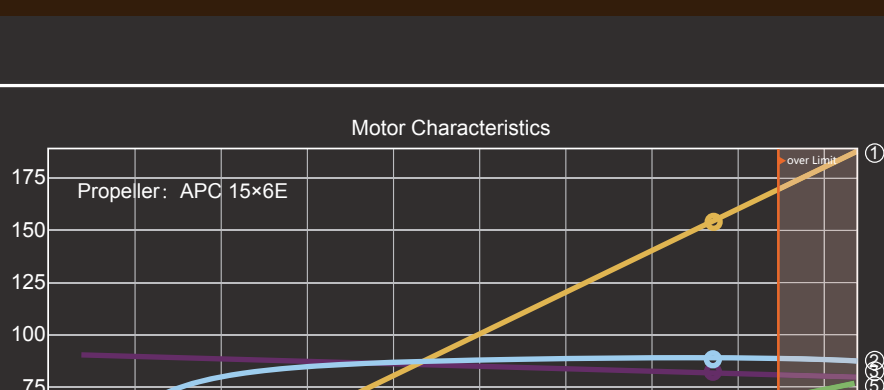


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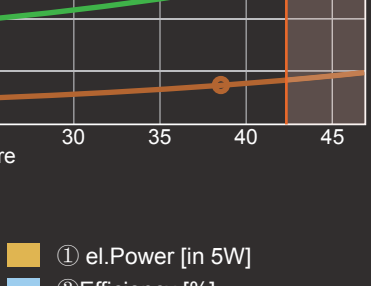
XM4250EA-10 (450KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	30.43A
Voltage(电压):	20.41V
Revolutions(转速):	8377rpm
electric Power(输入功率):	621.1W
mech. Power(输出功率):	549.7W
Efficiency(效率):	88.5%



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 13x8E	3303g	31.25	637.4	5.2	8357
APC 14x7E	3521g	35.55	722.7	4.9	8254
APC 15x6E	3636g	39.07	792.3	4.6	8169
*APC 15x8E	4582g	48.52	976.9	4.7	7942
18.5V (5S Lipo)					
APC 15x8E	3326g	35.64	603.2	5.5	6766
APC 15x10E	3976g	42.11	709.2	3.3	6617



* 超限 Over load