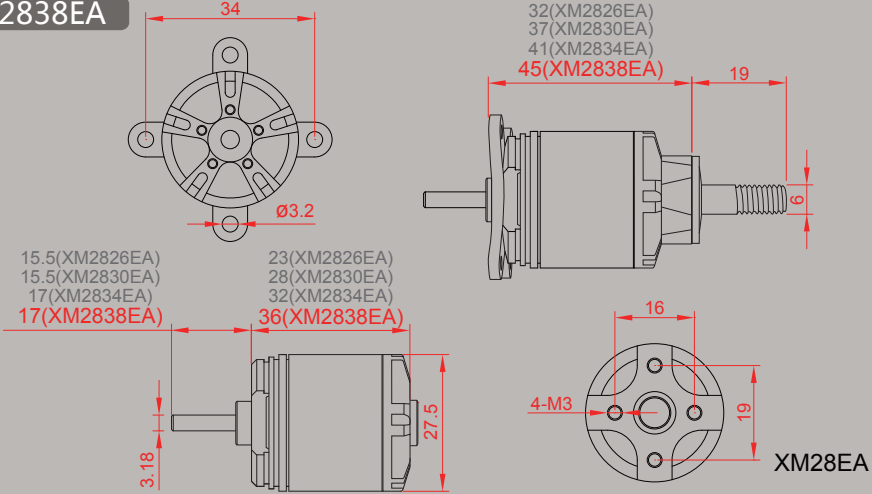


XM2838EA



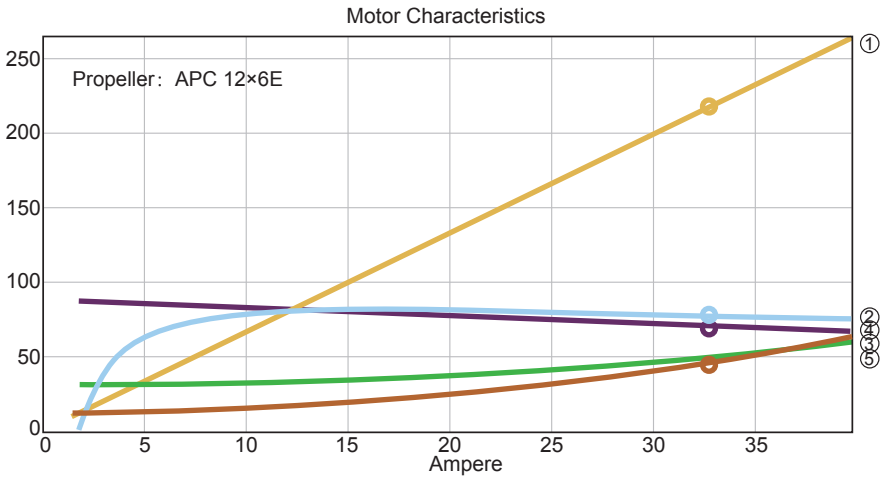
Specification

Xmotor EA Brushless outrunner	XM2838EA-5	XM2838EA-6	XM2838EA-7	XM2838EA-8
Item NO. (商品编码)	55667	55668	55669	55670
RPM/V (KV) (KV值)	1300	1090	935	810
Alias(Stator diameter, Magnet length) (定子直径, 磁铁长度)	2220	2220	2220	2220
Weight(g) (重量)	82	83	83	83
Diameter(mm) (直径)	27.5	27.5	27.5	27.5
Length(mm) (长度)	36	36	36	36
Diameter of Shaft(mm) (轴径)	3.18	3.18	3.18	3.18
Mounting holes pitch(mm) (安装孔距)	16/19	16/19	16/19	16/19
Slots,Poles (极数)	12,14	12,14	12,14	12,14
Idle Current(Io) @10V(A) (空载电流)	2.3	1.8	1.3	1.1
Resistance(Ri)(mOhm) (电阻)	35	42	54	67
Cruising power(W)[8 mins] (巡航功率)	166	155	141	162
Bursts current(A)[15s] (最大电流)	27.1	25.5	23.0	20.0
Peak power(W)[15s] (峰值功率)	301	283	256	295
Recommended ESC (推荐调速器)	XC3012BA	XC3012BA	XC2512BA	XC2512BA
Setup 1(No. of Cell, Prop.) (配置1)	2S, 13x6	3S, 11x6	3S, 12x6	3S, 13x6
Setup 2(No. of Cell, Prop.) (配置1)	3S, 10x6	N/A	N/A	4S, 10x6
Max. weight of sport models(kg) (适用的运动型飞机最大重量)	0.83	0.78	0.70	0.81
Max. weight of 3D models(kg) (适用的3D机最大重量)	0.55	0.52	0.47	0.54
Memo (备注)	480+class More power			

XM2838EA-5 (1300KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	18.05A
Voltage(电压):	6.82V
Revolutions(转速):	7800rpm
electric Power(输入功率):	123W
mech. Power(输出功率):	101.2W
Efficiency(效率):	82.2%



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 9×6E	1553g	29.54	299.7	3.0	11488
*APC 10×5E	1683g	34.94	352.6	4.8	11183
7.4V (2S Lipo)					
APC 11×7E	1298g	29.27	197.0	6.6	7195
APC 12×6E	1363g	33.08	221.7	6.2	6990
APC 13×6.5E	1635g	41.77	277.1	5.9	6522

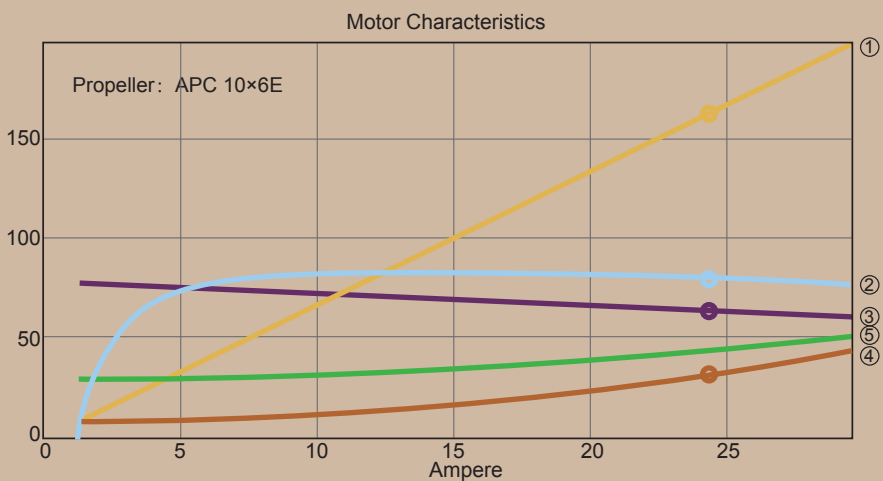
- ① el. Power [in 1W]
- ② Efficiency [%]
- ③ max. Revolutions [in 100rpm]
- ④ waste Power[W]
- ⑤ Motor Case Temp. [°C]

* 超限 Over load

XM2838EA-6 (1090KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	20.45A
Voltage(电压):	10.23V
Revolutions(转速):	9912rpm
electric Power(输入功率):	209.3W
mech. Power(输出功率):	175.6W
Efficiency(效率):	83.9%



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 10×4.7SF	1223g	21.88	223.6	5.5	9834
APC 10×5E	1286g	22.90	233.8	5.5	9778
APC 10×6E	1488g	26.14	266.1	5.6	9600
APC 11×3.8SF	1267g	25.25	257.2	4.9	9649
*APC 11×5.5E	1694g	32.10	324.8	5.2	9274

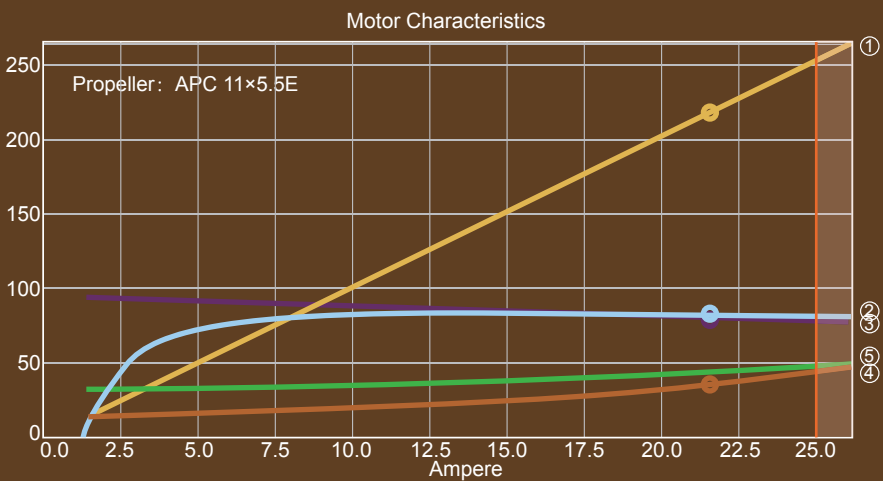
- ① el. Power [in 2W]
- ② Efficiency [%]
- ③ max. Revolutions [in 100rpm]
- ④ waste Power[W]
- ⑤ Motor Case Temp. [°C]

* 超限 Over load

XM2838EA-7 (935KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	15.45A
Voltage(电压):	10.28V
Revolutions(转速):	8569rpm
electric Power(输入功率):	158.9W
mech. Power(输出功率):	134.1W
Efficiency(效率):	84.4%



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 9×5E	1302g	18.35	251.3	5.2	11521
APC 8×4E	791g	10.71	147.6	5.4	11977
11.1V (3S Lipo)					
APC 10×4.7SF	936g	14.90	153.3	6.1	8601
APC 10×5E	990g	15.30	157.3	6.3	8578
APC 10×6E	1152g	17.56	180.2	6.4	8447
APC 11×5.5E	1325g	21.78	222.6	6.0	8203

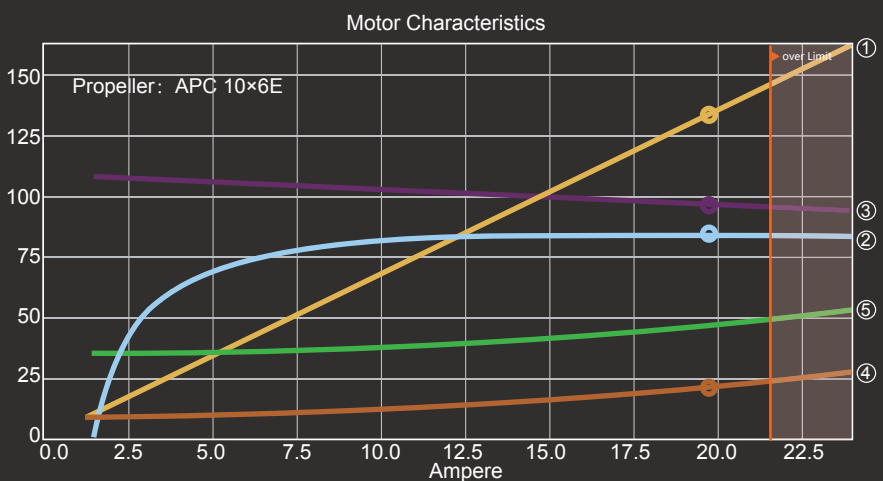
- ① el. Power [in 1W]
- ② Efficiency [%]
- ③ max. Revolutions [in 100rpm]
- ④ waste Power[W]
- ⑤ Motor Case Temp. [°C]

* 超限 Over load

XM2838EA-8 (810KV)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	16.45A
Voltage(电压):	13.72V
Revolutions(转速):	9911rpm
electric Power(输入功率):	225.6W
mech. Power(输出功率):	191W
Efficiency(效率):	84.6%



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 10×5E	1307g	17.36	237.9	5.5	9855
APC 10×6E	1518g	19.90	272.2	5.6	9697
11.1V (3S Lipo)					
APC 11×7E	1267g	18.06	185.2	6.8	7108
APC 12×6E	1347g	20.69	211.7	6.4	6949
APC 13×6.5E	1660g	26.94	274.0	6.1	6573

- ① el. Power [in 2W]
- ② Efficiency [%]
- ③ max. Revolutions [in 100rpm]
- ④ waste Power[W]
- ⑤ Motor Case Temp. [°C]

* 超限 Over load