

Specification

ECO-X Series	ECO 3508X		
Item NO. (商品编码)	51391	51392	51393
RPM/V(KV) (KV值)	690	580	380
Weight w/o wire(g)(重量)	105	105	105
Dimensions(mm,ODxL)(尺寸)	42.5x34	42.5x34	42.5x34
Mounting holes pitch (安装孔距)	25&25	25&25	25&25
Input wire (线规格)	18AWG, 600mm	18AWG, 600mm	18AWG, 600mm
Poles (槽极数)	12N14P	12N14P	12N14P
Idle Current(Io) @10V(A) (空载电流)	0.5	0.3	0.1
Resistance(Ri)(mOhm) (电阻)	84	117	260
Peak power(W)[15s] (峰值功率)	311	270	272
Bursts current(A)[15s] (最大电流)	21.0	18.3	12.2
Cruising power(W)[8+mins] (巡航功率)	171	149	149
Propeller(No. of Cell, Prop.) (螺旋桨配置)	4S, 11x5, 12x5, 13x5	4S, 11x5, 12x5, 13x5	6S, APC12x5, 13x5, 14x5
Recommended ESC(调速器)	XC-301-MR	XC-301-MR	XC-301-MR
Max. weightof quad-copter(kg)(4轴重量)	2.1	1.9	1.9
Max. weightof hex-copter(kg)(6轴重量)	2.8	2.5	2.5

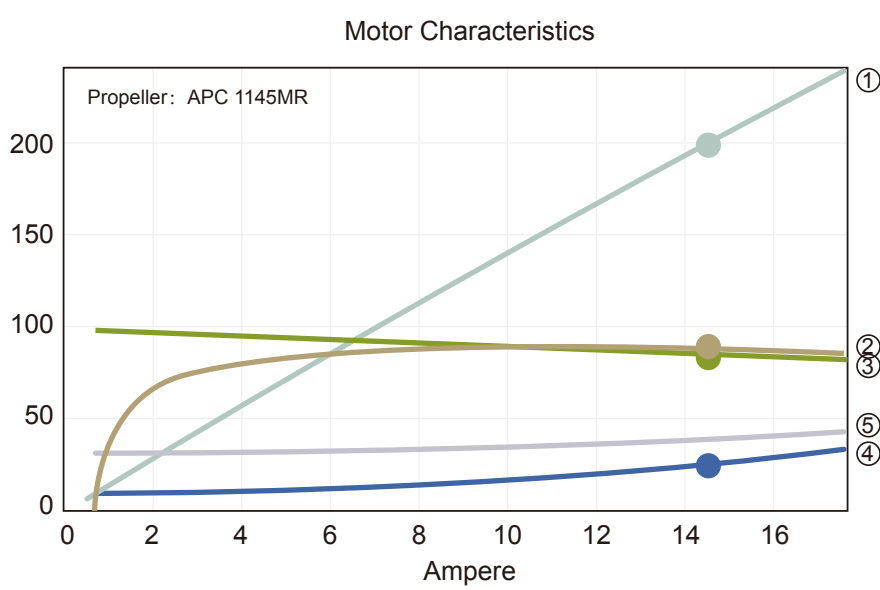
ECO 3508X (690KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	10.11A
Voltage(电压):	14.15V
Revolutions(转速):	8900rpm
Electric Power(输入功率):	143.1W
Mech. Power(输出功率):	126.5W
Efficiency(效率):	88.4%

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



Voltage (V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Ampere(A) 电流	Power(W) 功率	g/W 效率	RPM 转速
14.8V (4S LIPO)	APC 1145MR	50%	480	3.0	44.0	10.9	4860
		60%	650	4.5	66.6	9.8	5665
		70%	800	6.2	91.9	8.7	6342
		85%	1120	10.0	147.9	7.6	7362
	100%	1420	14.0	207.8	6.8	8134	
	APC 1245MR	50%	560	3.5	51.9	10.8	4705
		60%	740	5.2	77.3	9.6	5554
		70%	980	7.7	113.2	8.7	6137
		85%	1320	11.9	175.8	7.5	7020
	100%	1630	16.6	245.1	6.7	7765	
	MRP-12	50%	600	3.8	55.6	10.8	4474
		60%	800	5.6	82.1	9.7	5228
70%		950	7.3	107.7	8.8	5802	
85%		1290	11.4	168.9	7.6	6582	
100%	1610	16.5	244.5	6.6	7225		

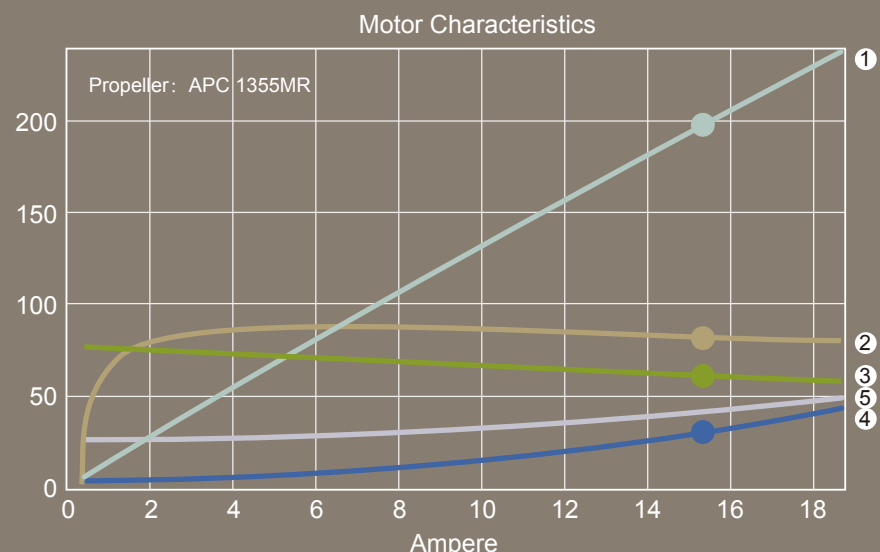
ECO 3508X (580KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	6.26A
Voltage(电压):	13.51V
Revolutions(转速):	7187rpm
Electric Power(输入功率):	84.6W
Mech. Power(输出功率):	75.7W
Efficiency(效率):	89.5%

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



Voltage (V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Ampere(A) 电流	Power(W) 功率	g/W 效率	RPM 转速
14.8V (4S LIPO)	APC 1245MR	50%	380	2.0	29.3	13.0	4020
		60%	560	3.2	48.0	11.7	4697
		70%	730	4.9	71.9	10.1	5340
		85%	990	7.4	109.2	9.1	6197
	100%	1240	10.4	153.2	8.1	6840	
	APC 1355MR	50%	500	2.7	40.0	12.5	3737
		60%	700	4.4	65.3	10.7	4474
		70%	900	6.5	95.9	9.4	5048
		85%	1200	9.6	142.5	8.4	5682
	100%	1490	13.7	202.5	7.4	6342	
	MRP-13	50%	520	2.8	41.1	12.7	3591
		60%	680	4.4	64.8	10.5	4260
70%		890	6.3	92.9	9.6	4782	
85%		1130	9.4	138.7	8.1	5348	
100%	1440	13.6	200.7	7.2	5880		

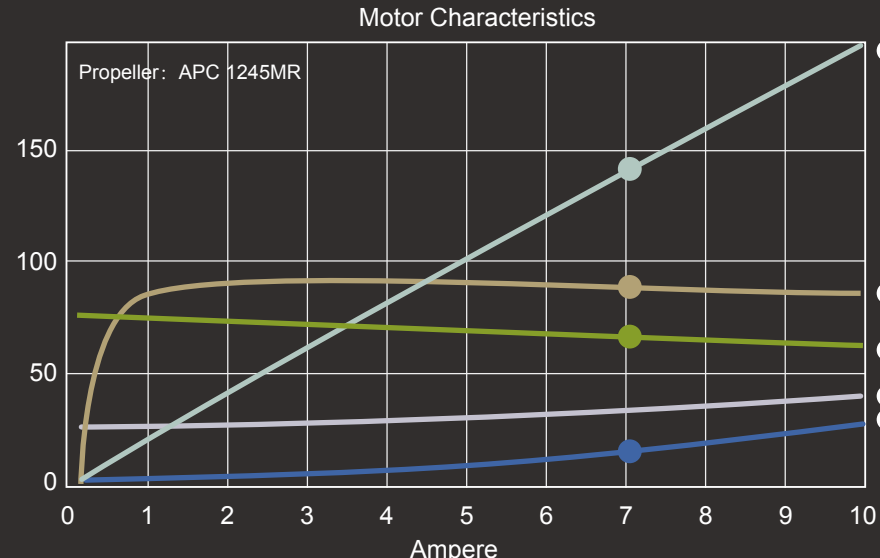
ECO 3508X (380KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	3.21A
Voltage(电压):	20.52V
Revolutions(转速):	7258rpm
Electric Power(输入功率):	65.8W
Mech. Power(输出功率):	60.6W
Efficiency(效率):	92.1%

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



Voltage (V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Ampere(A) 电流	Power(W) 功率	g/W 效率	RPM 转速
22.2V (6S LIPO)	APC 1245MR	50%	400	1.4	30.0	13.3	4028
		60%	560	2.2	48.0	11.7	4774
		70%	710	3.2	69.9	10.2	5365
		85%	960	4.9	107.9	8.9	6162
	100%	1220	6.5	143.9	8.5	6771	
	APC 1355MR	50%	510	1.9	42.0	12.2	3762
		60%	730	3.0	65.9	11.1	4465
		70%	910	4.1	91.9	9.9	5040
		85%	1230	6.4	141.9	8.7	5751
	100%	1520	8.9	197.8	7.7	6162	
	MRP-14	50%	620	2.3	50.0	12.4	3317
		60%	820	3.1	69.3	11.8	3848
70%		1010	4.6	101.0	10.0	4277	
85%		1300	7.0	154.4	8.4	4782	
100%	1610	9.8	217.9	7.4	5160		