

Specification

ECO-X Series	ECO 3515X		
Item NO. (商品编码)	51394	51395	51396
RPM/V(KV) (KV值)	700	480	380
Weight w/o wire(g)(重量)	160	160	160
Dimensions(mm,ODxL)(尺寸)	42.5x41	42.5x41	42.5x41
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)	0.7	0.4	0.3
Resistance(Ri)(mOhm) (电阻)	46	78	119
Peak power(W)[15s] (峰值功率)	510	570	481
Bursts current(A)[15s] (最大电流)	34.4	25.7	21.7
Cruising power(W)[8+mins] (巡航功率)	280	314	265
Propeller(No. of Cell, Prop.) (螺旋桨配置)	4S, 12x5, 13x5, 14x5	6S, 12x5, 13x5, 14x5	6S, MRP13x5.5, 14x5, DJI 15x5
Recommended ESC (调速器)	XC-401-MR	XC-401-MR	XC-401-MR
Max. weight of quad-copter(kg)(4轴重量)	3.5	3.9	3.3
Max. weight of hex-copter(kg)(6轴重量)	4.7	5.2	4.4

ECO 3515X (700KV)

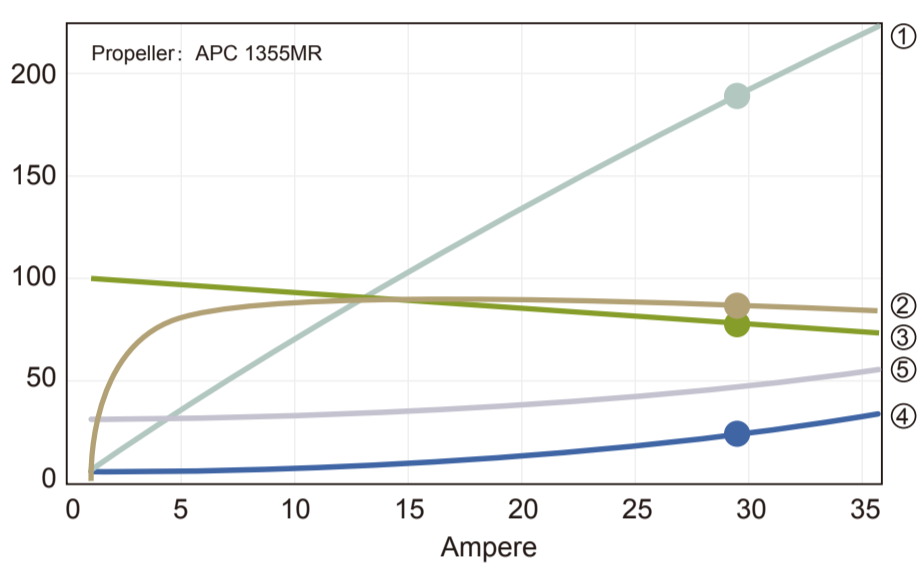
Motor @ Optimum Efficiency

最佳效率

Current(电流):	15.86A
Voltage(电压):	13.78V
Revolutions(转速):	8858rpm
Electric Power(输入功率):	218.5W
Mech. Power(输出功率):	196W
Efficiency(效率):	89.7%

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

Motor Characteristics



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 1255MR	50%	650	4.3	63.9	10.2	5022
		60%	870	6.3	93.2	9.3	5751
		70%	1110	8.8	130.5	8.5	6505
		85%	1580	14.5	214.5	7.4	7568
	APC 1355MR	50%	810	5.7	83.9	9.7	4714
		60%	1110	8.6	127.9	8.7	5451
		70%	1420	12.1	178.5	8.0	6111
		85%	1950	19.1	282.4	6.9	7088
	APC 1455MR	50%	1000	6.8	101.2	9.9	4602
		60%	1340	10.4	153.2	8.7	5245
		70%	1670	14.3	211.8	7.9	5880
		85%	2260	25.1	371.6	6.1	6711
100%	2720	30.8	455.5	6.0	7337		

ECO 3515X (480KV)

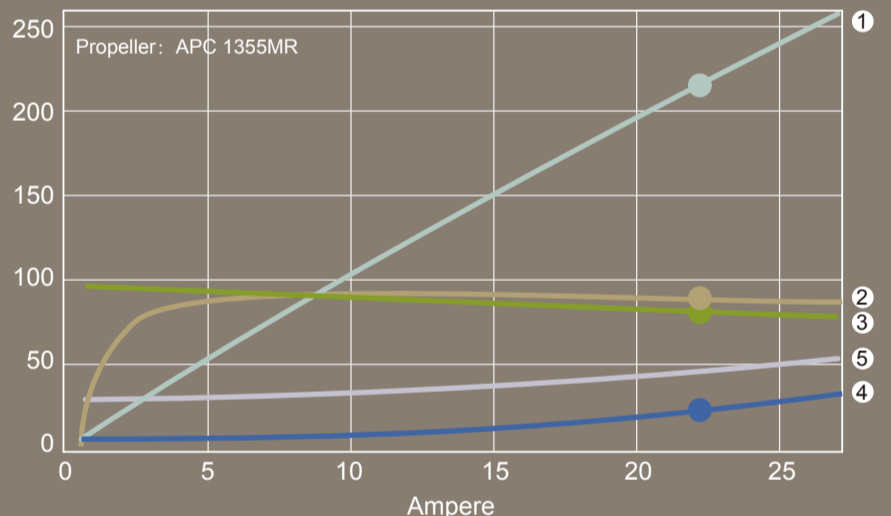
Motor @ Optimum Efficiency

最佳效率

Current(电流):	12.19A
Voltage(电压):	20.06V
Revolutions(转速):	8897rpm
Electric Power(输入功率):	244.5W
Mech. Power(输出功率):	222W
Efficiency(效率):	90.8%

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

Motor Characteristics



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%	650	3.3	73.9	8.8	5322
		60%	860	4.7	103.9	8.3	6068
		70%	1130	6.4	141.9	8.0	6600
		85%	1650	10.7	237.8	6.9	7902
	APC 1355MR	50%	860	4.4	97.9	8.8	5075
		60%	1150	6.0	133.9	8.6	5682
		70%	1490	8.8	195.8	7.6	6394
		85%	2110	14.2	315.7	6.7	7448
	MRP-14	50%	1050	5.5	121.4	8.7	4611
		60%	1470	8.6	190.7	7.7	5340
		70%	1770	11.1	246.8	7.2	5682
		85%	2370	15.4	342.3	6.9	6377
100%	2780	21.9	486.2	5.7	6925		

ECO 3515X (380KV)

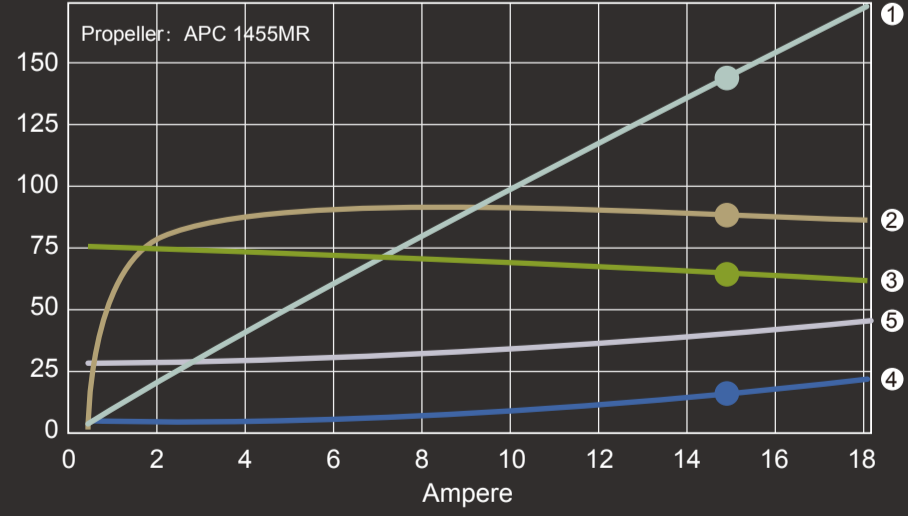
Motor @ Optimum Efficiency

最佳效率

Current(电流):	8.06A
Voltage(电压):	20.09V
Revolutions(转速):	7052rpm
Electric Power(输入功率):	161.9W
Mech. Power(输出功率):	146.9W
Efficiency(效率):	90.7%

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

Motor Characteristics



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 1355MR	50%	580	2.3	50.0	11.6	4148
		60%	830	3.5	77.9	10.7	4782
		70%	1070	5.1	113.9	9.4	5451
		85%	1460	7.7	169.8	8.6	6240
	APC 1455MR	50%	730	2.8	61.9	11.8	3900
		60%	1060	4.5	99.9	10.6	4628
		70%	1320	6.4	141.9	9.3	5262
		85%	1750	9.4	207.8	8.4	5991
	MRP-15(DJI)	50%	2120	13.1	291.7	7.3	6608
		60%	850	3.3	73.6	11.6	3754
		70%	1220	5.4	120.8	10.1	4405
		85%	1570	7.7	169.8	9.2	4954
100%	2000	11.2	249.1	8.0	5682		
100%	2470	15.2	337.8	7.3	6300		