

Specification

ECO-X Series	ECO 3520X		
Item NO. (商品编码)	51397	51398	51399
RPM/V(KV) (KV值)	690	500	380
Weight w/o wire(g)(重量)	193	193	193
Dimensions(mm,ODxL) (尺寸)	42.5x46	42.5x46	42.5x46
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)	1.2	0.6	0.4
Resistance(Ri)(mOhm) (电阻)	37	54	79
Peak power(W)[15s] (峰值功率)	622	738	635
Bursts current(A)[15s] (最大电流)	42.0	33.2	28.6
Cruising power(W)[8+mins] (巡航功率)	342	406	349
Propeller(No. of Cell, Prop.) (螺旋桨配置)	4S, 13x5, MRP 14x5.5, DJI 15x5	6S, 13x5, MRP 14x5.5, DJI 15x5	6S, 14x5, DJI 15x5, MRP 16x5.5
Recommended ESC (调速器)	XC-401-MR	XC-401-MR	XC-401-MR
Max. weightof quad-copter(kg) (4轴重量)	4.3	5.1	4.4
Max. weightof hex-copter(kg) (6轴重量)	5.7	6.8	5.8

ECO 3520X (690KV)

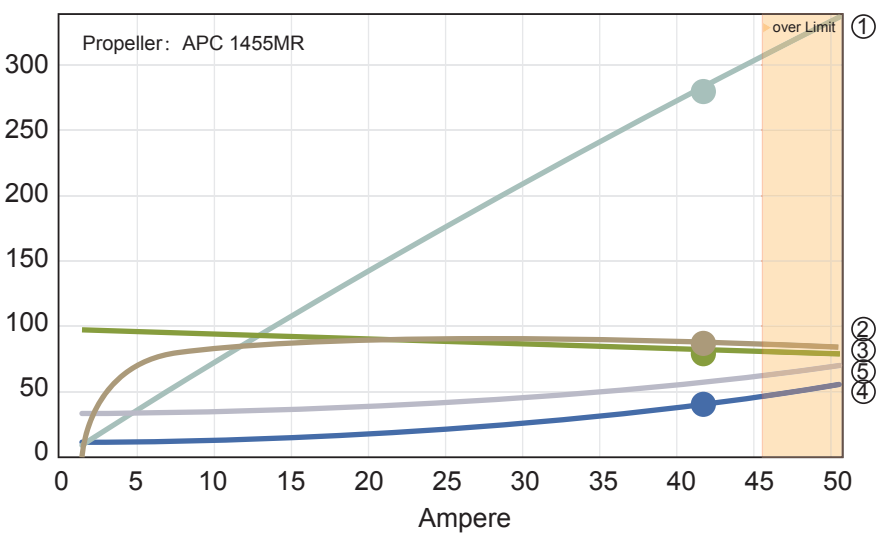
Motor @ Optimum Efficiency

最佳效率

Current(电流):	23.56A
Voltage(电压):	14.12V
Revolutions(转速):	8868rpm
Electric Power(输入功率):	332.7W
Mech. Power(输出功率):	293.1W
Efficiency(效率):	88.1%

- 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 1355MR	50%	970	7.4	109.2	8.9	5211
		60%	1320	11.0	162.5	8.1	5931
		70%	1630	15.5	229.1	7.1	6531
		85%	2210	24.6	363.6	6.1	7611
		100%	2780	33.8	500.8	5.6	8374
	APC 1455MR	50%	1150	8.6	127.9	9.0	4894
		60%	1580	13.7	202.5	7.8	5682
		70%	1950	18.9	279.7	7.0	6248
		85%	2650	29.6	438.2	6.0	7165
		100%	3110	38.7	572.8	5.4	7748
	MRP-15(DJI)	50%	1350	10.3	152.2	8.9	4628
		60%	1780	15.6	230.2	7.7	5280
		70%	2200	21.3	314.5	7.0	5931
		85%	2850	32.3	478.0	6.0	6411
		100%	2960	37.4	553.5	5.3	6831

ECO 3520X (500KV)

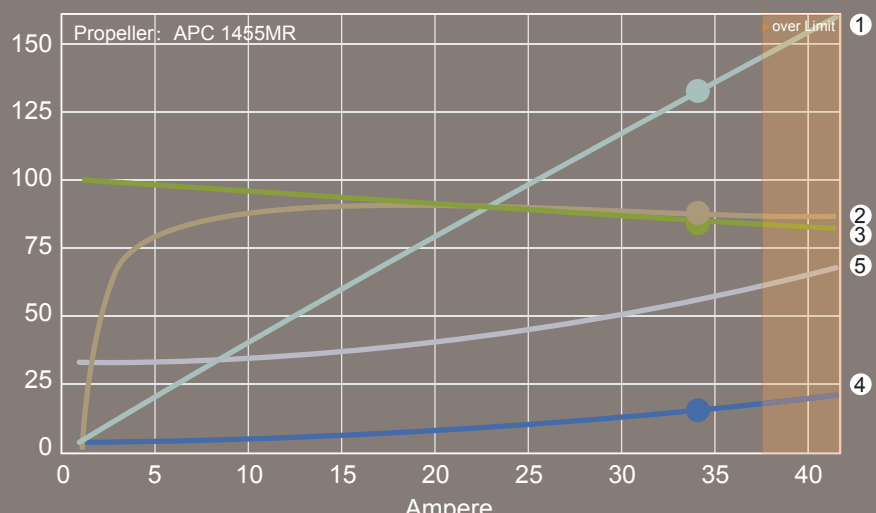
Motor @ Optimum Efficiency

最佳效率

Current(电流):	18.23A
Voltage(电压):	20.18V
Revolutions(转速):	9312rpm
Electric Power(输入功率):	368W
Mech. Power(输出功率):	333.3W
Efficiency(效率):	90.6%

- ① el. Power [in 5W]
- 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%	870	4.3	95.9	9.1	5682
		60%	1080	5.8	127.9	8.4	6240
		70%	1420	8.1	179.8	7.9	7080
		85%	2040	13.6	301.7	6.8	8331
		100%	2510	18.7	415.6	6.0	9145
	APC 1355MR	50%	1090	5.4	119.9	9.1	5340
		60%	1380	7.8	173.8	7.9	6008
		70%	1780	10.9	241.8	7.4	6685
		85%	2480	18.1	401.6	6.2	7722
		100%	2970	24.0	533.5	5.6	8537
	APC 1455MR	50%	1320	6.4	141.9	9.3	5245
		60%	1780	9.8	217.8	8.2	5922
		70%	2220	13.6	301.7	7.4	6634
		85%	3050	22.0	487.5	6.3	7654
		100%	3760	30.6	679.3	5.5	8340
	MRP-15(DJI)	50%	1560	7.7	171.7	9.1	4954
		60%	2010	11.2	249.1	8.1	5674
		70%	2530	15.8	351.0	7.2	6342
		85%	3350	24.7	549.1	6.1	7311
		100%	3980	32.9	730.3	5.5	7937

ECO 3520X (380KV)

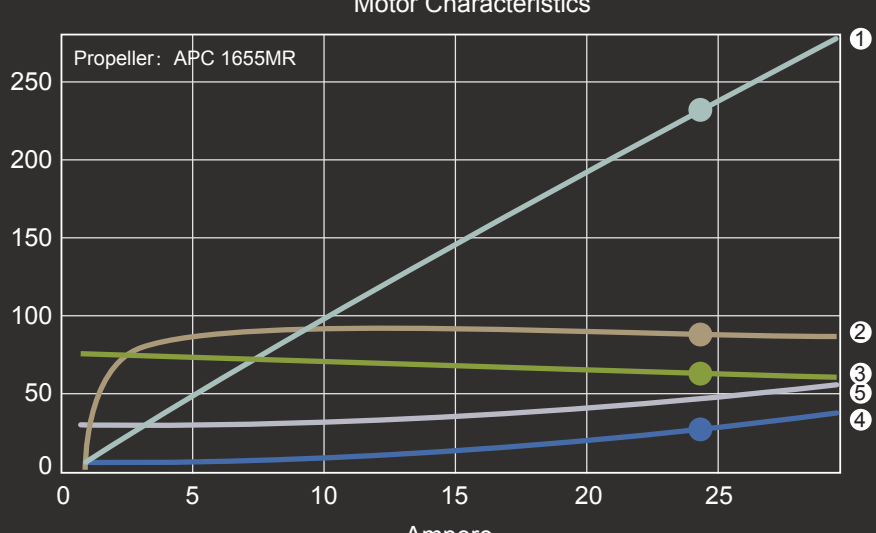
Motor @ Optimum Efficiency

最佳效率

Current(电流):	11.44A
Voltage(电压):	20.11V
Revolutions(转速):	7081rpm
Electric Power(输入功率):	230.1W
Mech. Power(输出功率):	210W
Efficiency(效率):	91.3%

- 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%	670	2.7	59.9	11.2	4328
		60%	920	4.1	91.9	10.0	5041
		70%	1160	5.7	125.9	9.2	5605
		85%	1670	9.3	205.8	8.1	6531
		100%	2090	12.9	285.7	7.3	7242
	APC 1455MR	50%	830	3.2	71.9	11.5	4122
		60%	1150	5.1	113.9	10.1	4860
		70%	1460	7.1	157.8	9.2	5494
		85%	1980	10.9	241.8	8.2	6282
		100%	2540	15.4	341.7	7.4	6994
	MRP-15(DJI)	50%	860	3.5	76.6	11.2	3951
		60%	1210	5.3	118.1	10.2	4620
		70%	1540	7.5	167.0	9.2	5254
		85%	1940	11.3	251.4	7.7	5854
		100%	2550	15.7	349.5	7.3	6462
	APC 1655MR	50%	1100	4.3	95.9	11.5	3900
		60%	1550	6.9	153.8	10.1	4620
		70%	2040	10.1	223.8	9.1	5142
		85%	2650	15.2	337.7	7.8	5888
		100%	3320	20.8	461.5	7.2	6514