

Specification

ECO-X Series	ECO 2808X	
Item NO. (商品编码)	51386	51387
RPM/V(KV) (KV值)	700	480
Weight w/o wire(g)(重量)	65	65
Dimensions(mm,ODxL)(尺寸)	35x29.6	35x29.6
Mounting holes pitch (安装孔距)	19&25	19&25
Input wire (线规格)	18AWG, 600mm	18AWG, 600mm
Poles (槽极数)	12N14P	12N14P
Idle Current(Io) @10V(A) (空载电流)	0.3	0.1
Resistance(Ri)(mOhm) (电阻)	197	358
Peak power(W)[15s] (峰值功率)	164	180
Bursts current(A)[15s] (最大电流)	11.1	8.1
Cruising power(W)[8+ mins] (巡航功率)	90	99
Propeller(No. of Cell, Prop.) (螺旋桨配置)	4S, MRP9x5.5, 10x5, 11x5	4S, MRP9x5.5, 10x5, 11x5, 12x5
Recommended ESC (调速器)	XC-301-MR	XC-301-MR
Max. weightof quad-copter(kg)(4轴重量)	1.1	1.2
Max. weightof hex-copter(kg)(6轴重量)	1.5	1.6

ECO 2808X (700KV)

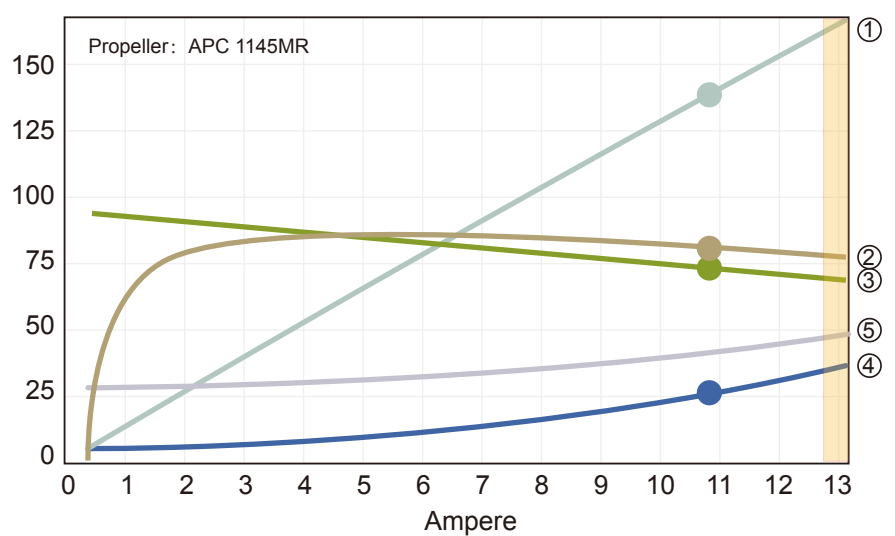
Motor @ Optimum Efficiency

最佳效率

Current(电流):	4.88A
Voltage(电压):	13.47V
Revolutions(转速):	8492rpm
Electric Power(输入功率):	65.7W
Mech. Power(输出功率):	56.7W
Efficiency(效率):	86.3%

- ① el. Power [in 1W]
- 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 9045MR	50%	280	2.0	29.3	9.6	5177
		60%	330	2.4	36.0	9.2	5682
		70%	400	3.2	46.6	8.6	6205
		85%	550	4.9	71.9	7.6	7337
		100%	690	6.8	99.9	6.9	8031
	APC 1045MR	50%	310	2.1	30.6	10.1	4860
		60%	380	2.8	41.3	9.2	5314
		70%	480	3.8	55.9	8.6	5914
		85%	670	5.9	87.9	7.6	6822
	APC 1145MR	50%	370	2.4	36.0	10.3	4328
		60%	490	3.6	53.3	9.2	4954
		70%	610	4.9	71.9	8.5	5382
		85%	790	7.4	109.2	7.2	6128
	MRP-10	50%	290	1.9	28.6	10.1	4954
		60%	350	2.5	37.3	9.4	5434
		70%	430	3.4	49.7	8.6	6008
85%		600	5.1	75.8	7.9	6994	
100%	730	6.9	101.9	7.2	7714		

ECO 2808X (480KV)

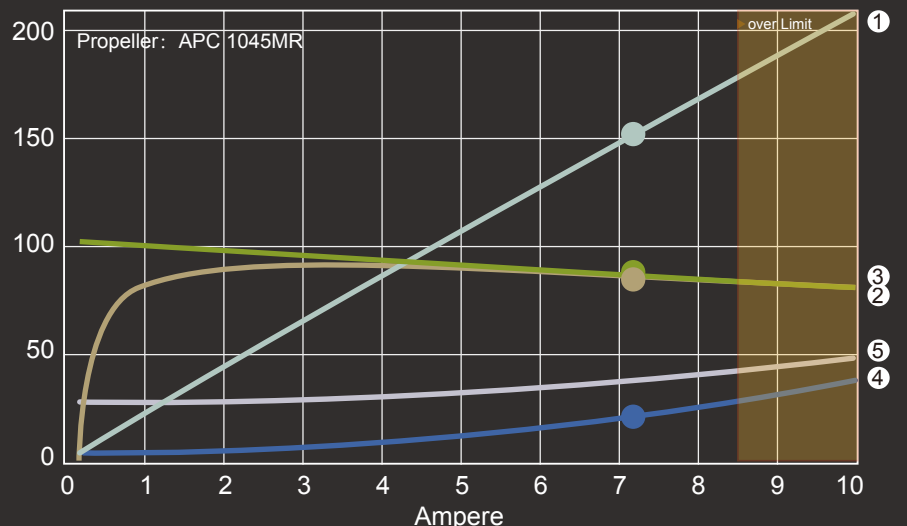
Motor @ Optimum Efficiency

最佳效率

Current(电流):	3.07A
Voltage(电压):	21.77V
Revolutions(转速):	9626rpm
Electric Power(输入功率):	66.8W
Mech. Power(输出功率):	60.3W
Efficiency(效率):	90.2%

- ① el. Power [in 1W]
- 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 9045E	50%	380	1.7	38.0	10.0	5331
		60%	470	2.3	51.9	9.0	5802
		70%	580	3.2	69.9	8.3	6497
		85%	820	5.0	109.9	7.5	7508
		100%	1010	6.8	151.8	6.7	8245
	APC 1045MR	50%	400	1.8	40.0	10.0	5237
		60%	510	2.4	53.9	9.5	5734
		70%	630	3.2	71.9	8.8	6454
		85%	850	5.0	111.9	7.6	7388
	MRP-11	50%	430	1.9	42.7	10.1	4611
		60%	570	2.7	60.6	9.4	5340
		70%	690	3.6	79.3	8.7	5820
		85%	860	5.3	116.6	7.4	6591
	100%	1040	6.9	153.8	6.8	7097	