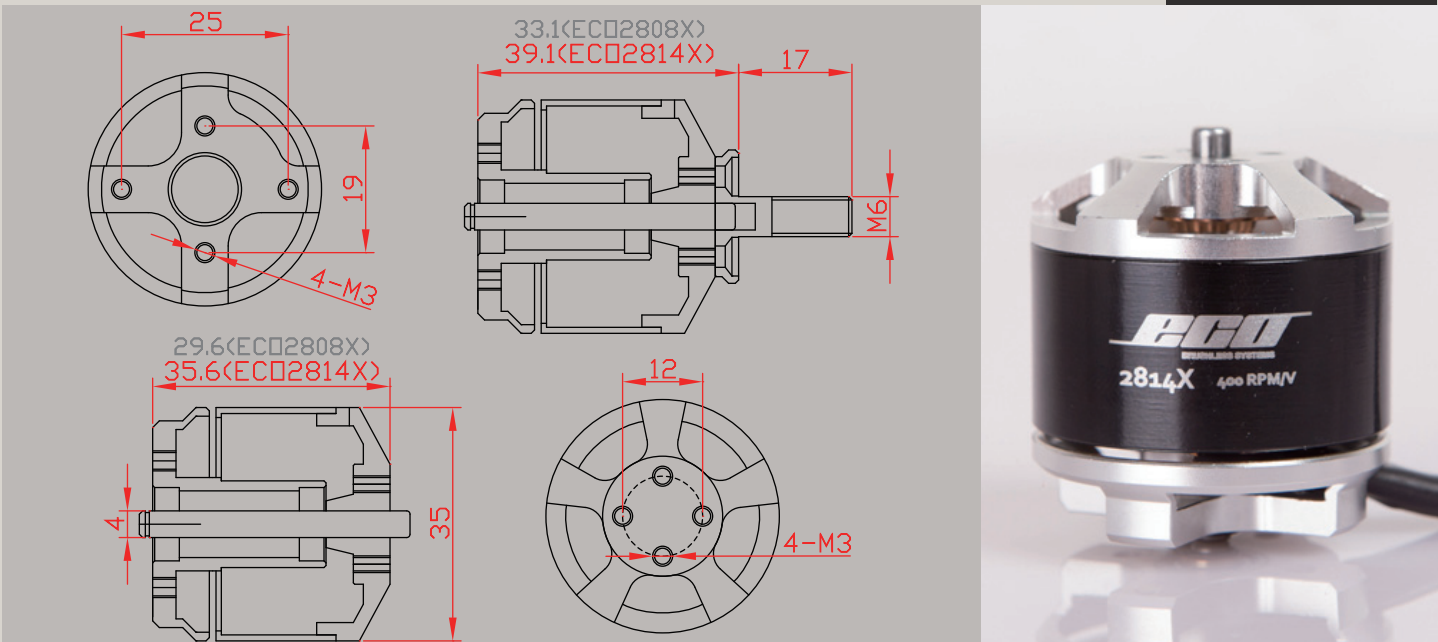


Dimensions



Specification

ECO-X Series	ECO 2814X		
Item NO. (商品编码)	51388	51389	51390
RPM/V(KV) (KV值)	700	500	400
Weight w/o wire(g)(重量)	91	91	91
Dimensions(mm,ODxL) (尺寸)	35x35.6	35x35.6	35x35.6
Mounting holes pitch (安装孔距)	19&25	19&25	19&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	0.2
Resistance(Ri)(mOhm) (电阻)	105	175	259
Peak power(W)[15s] (峰值功率)	260	294	250
Bursts current(A)[15s] (最大电流)	17.6	13.3	11.3
Cruising power(W)[8+mins] (巡航功率)	143	162	138
Propeller(No. of Cell, Prop.) (螺旋桨配置)	4S, 10x5, 11x5, 12x5	6S, 10x5, 11x5, 12x5	6S, MRP11x5.5, 12x5, 13x5
Recommended ESC (调速器)	XC-301-MR	XC-301-MR	XC-301-MR
Max. weightof quad-copter(kg)(4轴重量)	1.8	2.0	1.7
Max. weightof hex-copter(kg)(6轴重量)	2.4	2.7	2.3

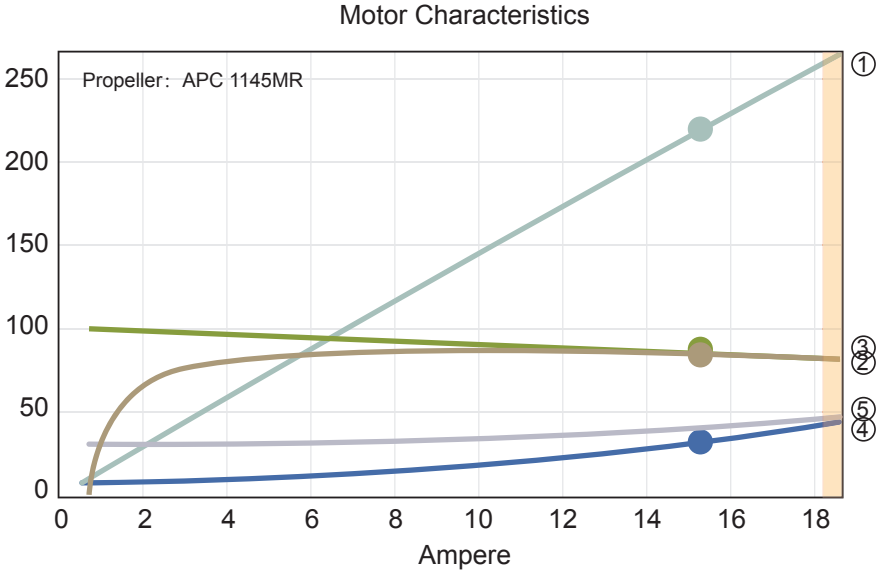
ECO 2814X (700KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	9.24A
Voltage(电压):	14.51V
Revolutions(转速):	9193rpm
Electric Power(输入功率):	134.1W
Mech. Power(输出功率):	116.8W
Efficiency(效率):	87.1%

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



Voltage (V)	Propeller	Throttle(%)	Thrust(g)	Ampere(A)	Power(W)	g/W	RPM
工作电压	螺旋桨	油门	拉力	电流	功率	效率	转速
14.8V (4S LIPO)	APC 1045MR	50%	480	3.4	50.6	9.5	5682
		60%	570	4.4	65.3	8.7	6197
		70%	680	5.5	81.3	8.4	6754
		85%	930	8.6	126.5	7.3	7877
		100%	1180	11.7	173.2	6.8	8725
	APC 1145MR	50%	590	3.9	57.3	10.3	5151
		60%	730	5.1	75.9	9.6	5691
		70%	870	6.8	99.9	8.7	6342
		85%	1210	10.7	158.5	7.6	7388
		100%	1490	14.9	221.1	6.7	8202
	APC 1245MR	50%	640	4.2	62.6	10.2	4962
		60%	800	5.9	86.6	9.2	5442
		70%	1030	8.2	121.2	8.5	6060
		85%	1360	12.8	189.1	7.2	7002
		100%	1690	17.4	257.1	6.6	7680

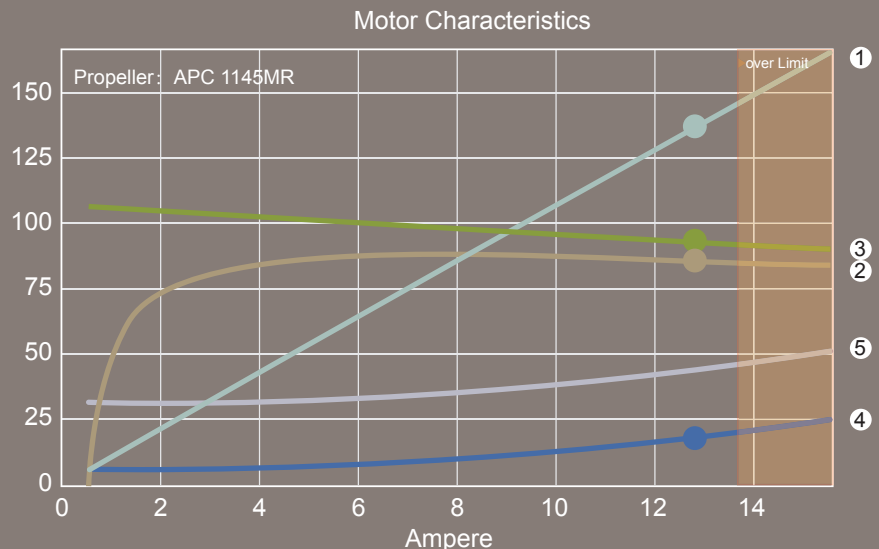
ECO 2814X (500KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	7.68A
Voltage(电压):	21.79V
Revolutions(转速):	9917rpm
Electric Power(输入功率):	167.3W
Mech. Power(输出功率):	147.5W
Efficiency(效率):	88.2%

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



Voltage (V)	Propeller	Throttle(%)	Thrust(g)	Ampere(A)	Power(W)	g/W	RPM
工作电压	螺旋桨	油门	拉力	电流	功率	效率	转速
22.2V (6S LIPO)	APC 1045MR	50%	580	2.9	63.9	9.1	6205
		60%	700	3.6	79.9	8.8	6642
		70%	830	4.6	101.9	8.1	7337
		85%	1160	7.3	161.8	7.2	8545
		100%	1440	10.1	223.8	6.4	9522
	APC 1145MR	50%	730	3.2	71.9	10.1	5674
		60%	890	4.4	97.9	9.1	6171
		70%	1100	5.9	131.9	8.3	6900
		85%	1490	9.5	211.8	7.0	8014
		100%	1790	12.6	279.7	6.4	8871
	MRP-12	50%	770	3.6	79.4	9.7	5142
		60%	1020	5.2	115.1	8.9	5691
		70%	1260	7.0	155.6	8.1	6274
		85%	1570	9.6	213.6	7.4	7062
		100%	1860	12.9	285.7	6.5	7654

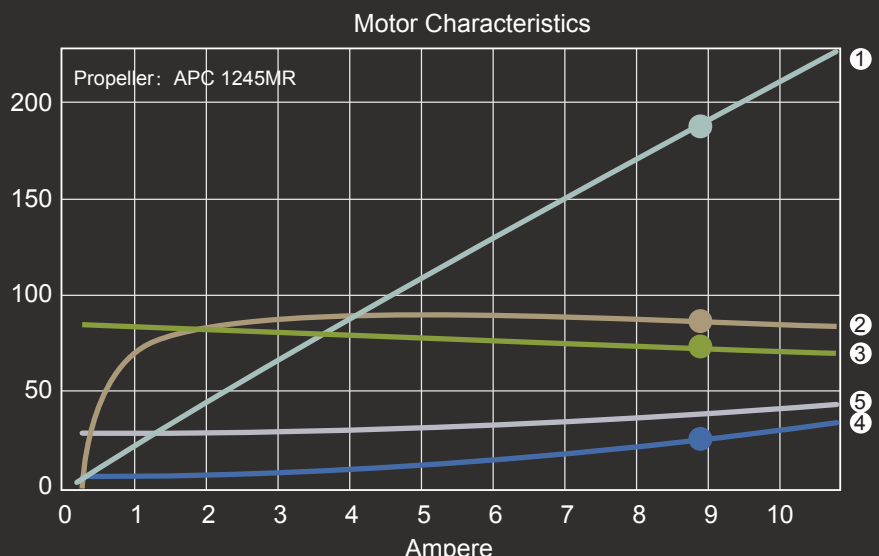
ECO 2814X (400KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	4.8A
Voltage(电压):	21.68V
Revolutions(转速):	7928rpm
Electric Power(输入功率):	104.1W
Mech. Power(输出功率):	92.6W
Efficiency(效率):	88.9%

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



Voltage (V)	Propeller	Throttle(%)	Thrust(g)	Ampere(A)	Power(W)	g/W	RPM
工作电压	螺旋桨	油门	拉力	电流	功率	效率	转速
22.2V (6S LIPO)	APC 1145MR	50%	430	2.0	44.0	9.8	4971
		60%	540	2.5	55.9	9.7	5348
		70%	650	3.2	71.9	9.0	5802
		85%	910	5.0	111.9	8.1	6814
		100%	1150	7.0	155.8	7.4	7620
	APC 1245MR	50%	460	2.1	46.0	10.0	4520
		60%	630	3.0	65.9	9.6	5134
		70%	780	4.0	87.9	8.9	5682
		85%	1080	6.2	137.9	7.8	6540
		100%	1380	8.6	189.8	7.3	7268
	APC 1355MR	50%	540	2.5	55.9	9.7	4200
		60%	750	3.9	85.9	8.7	4782
		70%	940	5.2	115.9	8.1	5348
		85%	1280	7.9	175.8	7.3	6180
		100%	1540	10.7	237.8	6.5	6754