

Specification



ECO-X Series	ECO 2212X		
Item NO. (商品编码)	51380	51381	51382
RPM/V(KV) (KV值)	2250	1250	980
Weight w/o wire(g)(重量)	50	50	50
Dimensions(mm,ODxL) (尺寸)	28x29	28x29	28x29
Mounting holes pitch (安装孔距)	16&19	16&19	16&19
Input wire (线规格)	20AWG, 400mm	20AWG, 400mm	20AWG, 400mm
Poles (槽极数)	12N14P	12N14P	12N14P
Idle Current(Io) @10V(A) (空载电流)	1.2	0.5	0.4
Resistance(Ri)(mOhm) (电阻)	43	103	140
Peak power(W)[15s] (峰值功率)	230	146	128
Bursts current(A)[15s] (最大电流)	20.7	13.1	11.5
Cruising power(W)[8+mins] (巡航功率)	127	80	70
Propeller(No. of Cell, Prop.) (螺旋桨配置)	3S, 7x3	3S, 8x4, 9x5 4S, 7x3, 8x4	3S, 8x4, 9x4, 10x5 4S, 7x3.5, 8x4
Recommended ESC (调速器)	XC-22-Lite	XC-22-Lite	XC-22-Lite
Max. weightof quad-copter(kg)(4轴重量)	1.6	1.0	0.9
Max. weightof hex-copter(kg)(6轴重量)	2.1	1.3	1.2

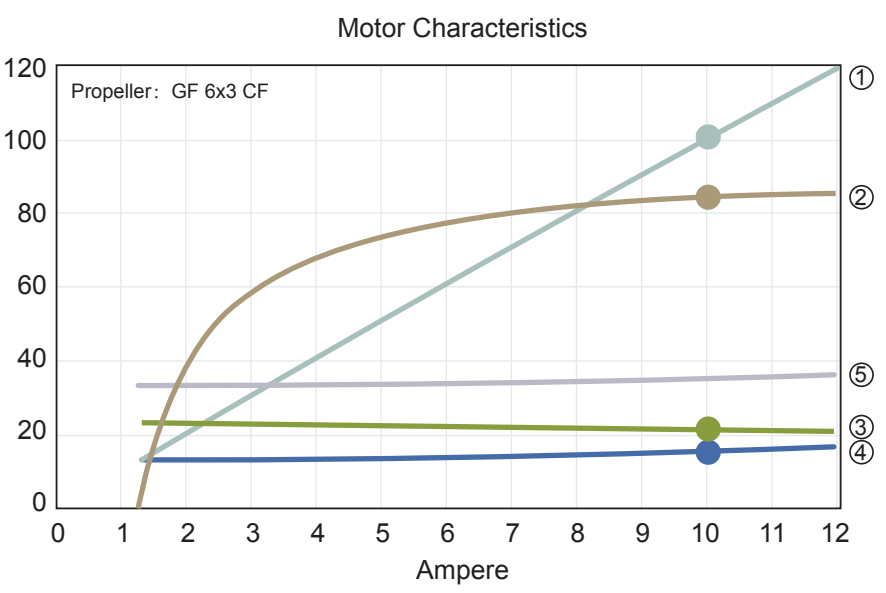
ECO 2212X (2250KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	15.79A
Voltage(电压):	9.85V
Revolutions(转速):	20019rpm
Electric Power(输入功率):	155.5W
Mech. Power(输出功率):	134.7W
Efficiency(效率):	86.6%

- ① el. Power [in 1W]
- ② Efficiency [%]
- ③ max. Revolutions [in 1000rpm]
- 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
11.1V (3S LIPO)	GWS 5030	50%	310	5.5	60.9	5.1	18788
		60%	360	6.3	69.9	5.1	19928
		70%	380	6.8	75.9	5.0	20700
		85%	410	7.7	84.9	4.8	21694
	GWS 6030	100%	470	9.1	100.9	4.7	23348
		50%	420	6.9	76.9	5.5	16740
		60%	480	8.2	90.9	5.3	17820
		70%	540	9.3	102.9	5.2	18754
	GF 6x3 CF	85%	630	11.0	121.9	5.2	19654
		100%	Propeller Overloaded 螺旋桨过载				
		50%	450	8.2	90.9	5.0	14931
		60%	520	9.8	108.9	4.8	16105
		70%	570	11.3	125.9	4.5	16765
		85%	680	13.9	153.8	4.4	18471
	MRP-7	100%	840	18.7	207.8	4.0	20700
		50%	530	9.2	101.9	5.2	13400
		60%	620	11.4	126.9	4.9	14117
		70%	710	13.8	152.8	4.6	15162
		85%	910	18.8	208.8	4.4	16765
		100%	1080	24.9	276.7	3.9	18548

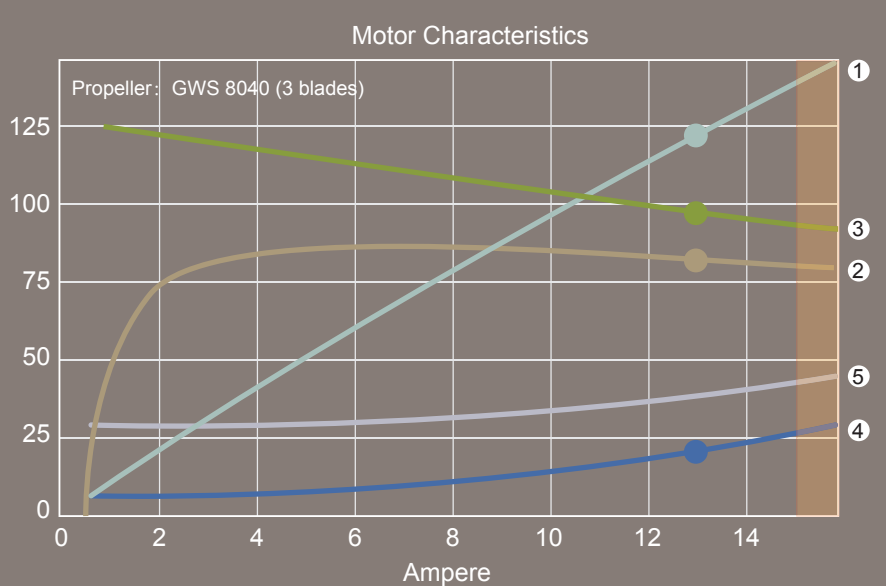
ECO 2212X (1250KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	6.69A
Voltage(电压):	9.92V
Revolutions(转速):	11189rpm
Electric Power(输入功率):	66.4W
Mech. Power(输出功率):	57.4W
Efficiency(效率):	86.5%

- 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
11.1V (3S LIPO)	APC 8045MR	50%	280	3.4	38.0	7.4	6651
		60%	360	4.6	50.9	7.1	7268
		70%	450	6.0	66.9	6.7	8065
		85%	600	9.4	103.9	5.8	9265
	APC 9045MR	100%	730	12.6	139.9	5.2	10208
		50%	360	4.1	45.0	8.0	5931
		60%	460	5.5	60.9	7.5	6497
		70%	590	7.8	86.9	6.8	7440
	GWS 8040 (3 blades)	85%	750	11.7	129.9	5.8	8485
		100%	900	15.6	172.8	5.2	9231
		50%	300	3.3	37.0	8.1	7002
		60%	360	4.2	47.0	7.7	7697
14.8V (4S LIPO)	APC 8045MR	70%	440	5.4	59.9	7.3	8382
		85%	590	8.2	90.9	6.5	9737
		100%	740	11.2	123.9	6.0	10765
		50%	440	5.0	73.3	6.0	8074
	APC 8045MR	60%	560	6.8	99.9	5.6	8837
		70%	700	9.5	139.9	5.0	9874
		85%	900	14.0	206.5	4.4	11082
		100%	1060	18.7	277.1	3.8	12085
	MRP-7	50%	350	3.3	49.3	7.1	10714
		60%	420	4.1	61.3	6.9	11640
		70%	490	5.0	74.6	6.6	12385
		85%	600	6.8	101.2	5.9	13885
	GWS 7035 (3 blades)	100%	730	9.3	137.2	5.3	15548
		50%	270	2.9	42.6	6.3	11948
		60%	320	3.6	53.3	6.0	12728
		70%	360	4.1	61.3	5.9	13534
		85%	440	5.2	77.3	5.7	14700
		100%	570	7.2	106.6	5.3	16414

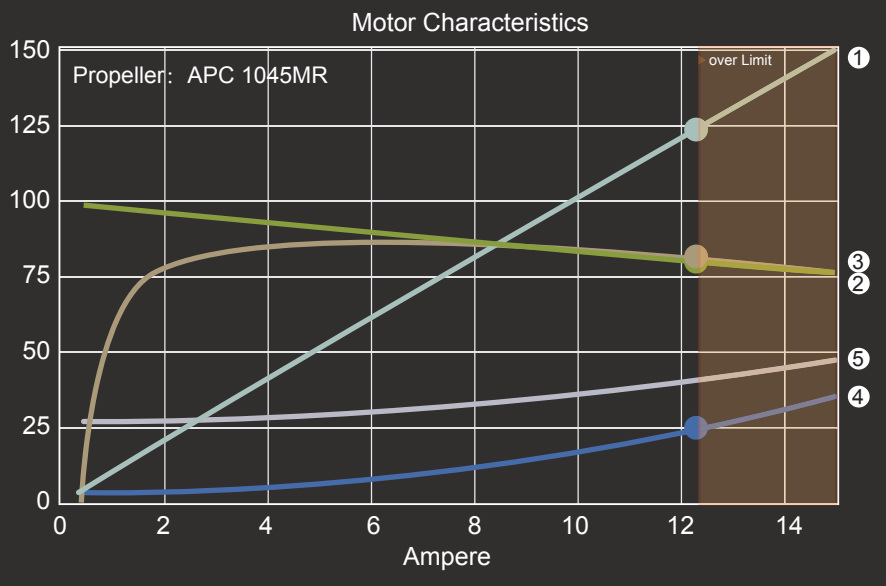
ECO 2212X (980KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	5.34A
Voltage(电压):	10.3V
Revolutions(转速):	9078rpm
Electric Power(输入功率):	55W
Mech. Power(输出功率):	47.3W
Efficiency(效率):	86%

- 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
11.1V (3S LIPO)	GWS 8040 (3 blades)	50%	220	2.1	23.0	9.6	6120
		60%	260	2.6	29.0	9.0	6634
		70%	310	3.2	36.0	8.6	7088
		85%	430	5.0	54.9	7.8	8305
	APC 9045MR	100%	540	6.7	73.9	7.3	9240
		50%	280	2.6	29.0	9.7	5245
		60%	340	3.4	38.0	9.0	5751
		70%	430	4.6	50.9	8.4	6342
	APC 1045MR	85%	590	7.3	80.9	7.3	7448
		100%	720	9.9	109.9	6.6	8228
		50%	310	2.7	30.0	10.3	4705
		60%	420	4.1	45.0	9.3	5442
14.8V (4S LIPO)	APC 1045MR	70%	520	5.6	61.9	8.4	6120
		85%	680	8.5	93.9	7.2	7088
		100%	830	11.4	126.9	6.5	7680
		50%	180	1.8	26.6	6.8	10140
	GWS 7035 (3 blades)	60%	220	2.2	32.0	6.9	10911
		70%	250	2.5	37.3	6.7	11502
		85%	290	3.0	44.0	6.6	12240
		100%	390	4.1	59.9	6.5	13662
	MRP-7	50%	250	2.2	32.0	7.8	9394
		60%	300	2.6	38.6	7.8	9985
		70%	350	3.1	45.3	7.7	10671
		85%	430	4.1	59.9	7.2	11837
	APC 8045MR	100%	540	5.5	81.3	6.6	13165
		50%	360	3.2	46.6	7.7	7071
		60%	450	4.2	62.6	7.2	7800
		70%	540	5.6	82.6	6.5	8605
		85%	730	8.7	129.2	5.6	9994
		100%	880	11.9	175.8	5.0	11014