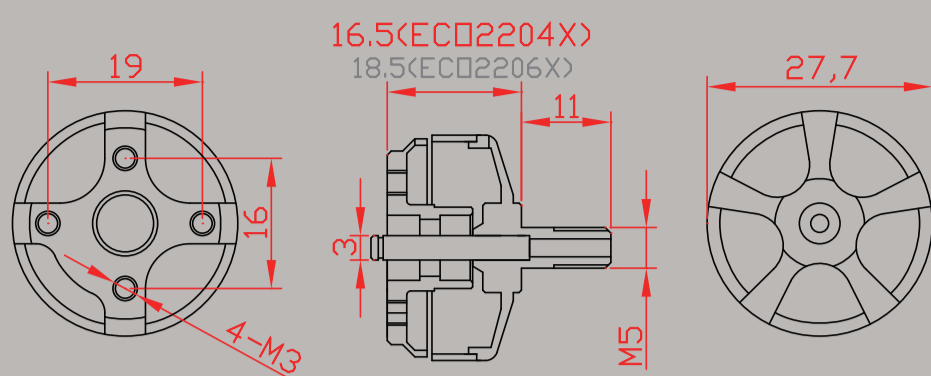


Dimensions



Specification

ECO-X Series	ECO 2204X	
Item NO.	51294	51377
RPM/V(KV)	2300	1800
Weight w/o wire(g)	21	21
Dimensions(mm,ODxL)	28x16.5	28x16.5
Mounting holes pitch	16&19	16&19
Input wire	22AWG, 50mm	22AWG, 50mm
Poles	12N14P	12N14P
Idle Current(Io) @10V(A)	0.6	0.5
Resistance(Ri)(mOhm)	104	133
Peak power(W)[15s]	96	109
Bursts current(A)[15s]	8.7	7.3
Cruising power(W)[8+mins]	53	60
Propeller(No. of Cell, Prop.)	3S, GWS 5x3, GF 6x3	3S, GWS 5x3, 6x3, 7x3.5 4S, GF 5x3 CF
Recommended ESC	XC-12-Lite	XC-12-Lite
Max. weightof quad-copter(kg)	0.66	0.75
Max. weightof hex-copter(kg)	0.88	1.00

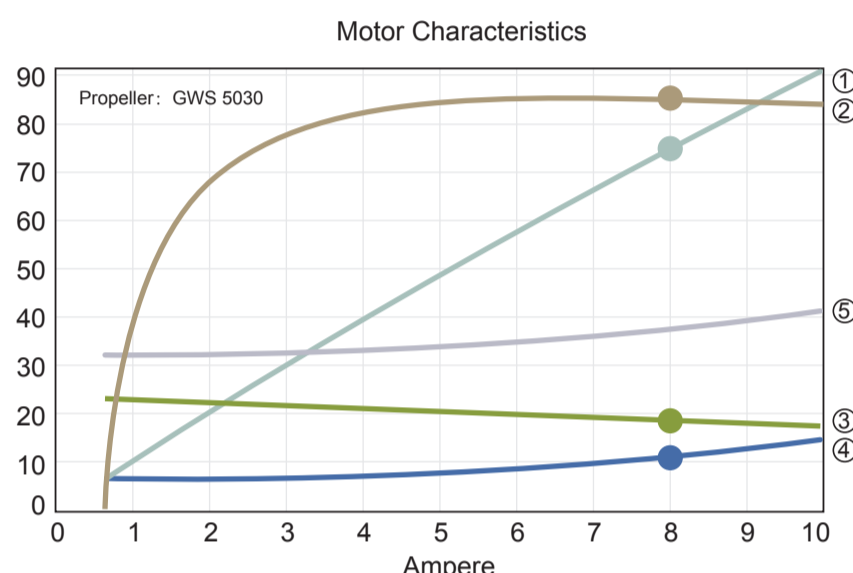
ECO 2204X (2300KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	6.87A
Voltage(电压):	9.53V
Revolutions(转速):	19673rpm
Electric Power(输入功率):	65.5W
Mech. Power(输出功率):	55.9W
Efficiency(效率):	85.3%

- 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%	170	2.7	30.0	5.7	14648	
		60%	200	3.3	37.0	5.4	15900	
		70%	220	3.8	42.0	5.2	17074	
		85%	300	5.1	56.9	5.3	18960	
		100%	380	6.8	75.9	5.0	21111	
	GWS 6030	50%	220	3.3	37.0	6.0	12402	
		60%	270	4.3	48.0	5.6	13122	
		70%	350	5.8	63.9	5.5	14674	
		85%	440	8.4	92.9	4.7	16937	
	Propeller Overloaded 螺旋桨过载							
	GF 6x3 CF	50%	250	3.8	42.0	6.0	11425	
		60%	300	4.6	50.9	5.9	12402	
		70%	380	6.5	71.9	5.3	13731	
		85%	520	9.9	109.9	4.7	16105	
	GWS 5030 (3 blades)	100%	620	13.2	146.9	4.2	17820	
		50%	220	3.0	33.0	6.7	13688	
60%		250	3.6	40.0	6.3	14828		
70%		280	4.3	48.0	5.8	16020		
85%	360	5.9	65.9	5.5	18471			
100%	450	8.2	90.9	5.0	20502			

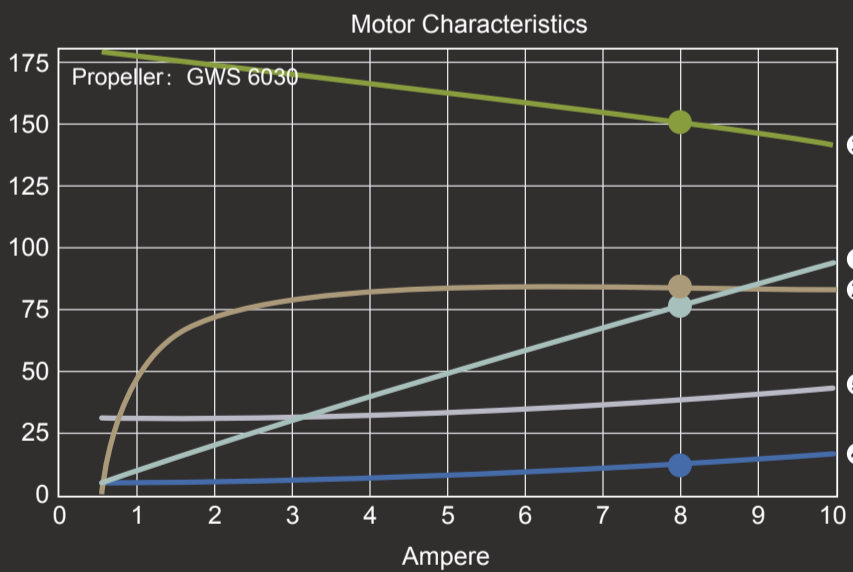
ECO 2204X (1800KV)

Motor @ Optimum Efficiency

最佳效率

Current(电流):	5.81A
Voltage(电压):	9.89V
Revolutions(转速):	15920rpm
Electric Power(输入功率):	57.5W
Mech. Power(输出功率):	48.8W
Efficiency(效率):	84.9%

- 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 5030	50%	120	1.8	20.0	6.0	12368
		60%	140	2.2	24.0	5.8	13517
		70%	170	2.5	28.0	6.1	14357
		85%	220	3.3	37.0	6.0	16260
		100%	290	4.4	49.0	5.9	18120
	GWS 5030 (3 blades)	50%	150	2.0	22.0	6.8	11562
		60%	180	2.3	26.0	6.9	12617
		70%	210	2.9	32.0	6.6	13645
		85%	270	4.1	45.0	6.0	15582
	GWS 6030	100%	340	5.4	59.9	5.7	17520
		50%	170	2.2	24.0	7.1	10928
		60%	210	2.7	30.0	7.0	11854
		70%	240	3.3	37.0	6.5	12882
	FC 6045 (3 blades)	85%	340	5.1	56.9	6.0	14905
		100%	430	6.9	76.9	5.6	16602
		50%	230	3.2	36.0	6.4	8451
60%		300	4.6	50.9	5.9	9385	
GWS 5030 (3 blades)	70%	360	6.4	70.9	5.1	10568	
	85%	440	9.4	103.9	4.2	11948	
	100%	550	13.0	143.9	3.8	13105	
	50%	240	2.8	31.0	7.7	14305	
GWS 5030 (3 blades)	60%	280	3.4	38.0	7.4	15985	
	70%	330	4.1	46.0	7.2	17108	
	85%	440	6.1	67.9	6.5	19748	
	Propeller Overloaded 螺旋桨过载						
GF 5x3 CF	50%	200	2.6	29.0	6.9	15034	
	60%	240	3.2	36.0	6.7	16508	
	70%	290	3.9	43.0	6.8	17597	
	85%	370	5.6	61.9	6.0	20065	
100%	470	7.7	85.9	5.5	22731		