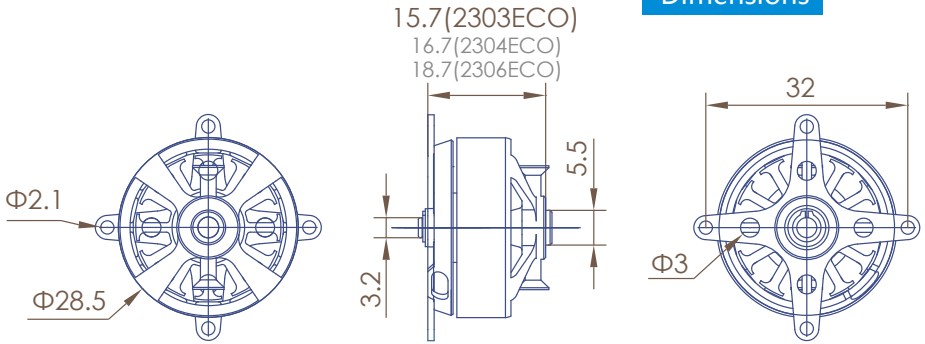




ECO 2303C-V2

Dimensions

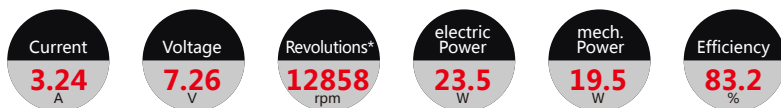


Specification

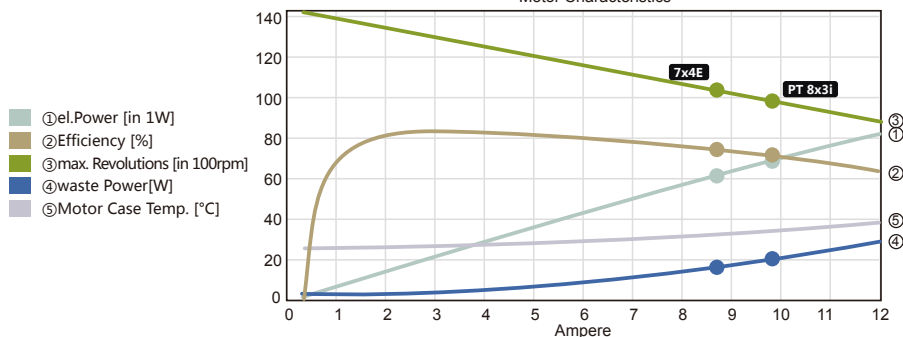
ECO-C Series	ECO 2303C		
SKU(商品编码)	51635	51636	51637
KV(KV值)	2000	1800	1470
Turns(匝数)	23	25	31
Weight(g)(重量)	19	19	19
Dimensions(D x L)[mm](尺寸)	28.5x15.7	28.5x15.7	28.5x15.7
Slots & Poles(槽数, 极数)	12N14P	12N14P	12N14P
Ri(mOhm)(电阻)	170.2	276.0	377.0
Io @10V (A)(空载电流)	0.4	0.4	0.3
No.of Cells(LiPo)(适用电池)	2.3	2.3	2.3
Max. EfficiencyCurrent[A](效率电流)	7	6	5
Max. Burst Current (15S)[A](最大电流)	11.5	10	8
Max. Power(15S)[W](最大功率)	92	80	96
Max. Torque [N*M](最大扭矩)	0.066	0.064	0.062
Shaft diameter(mm)(轴径)	3.175	3.175	3.175
Mountingholes pitch(安装孔距)	32	32	32
Input Connectors(输入链接)	GC2.0	GC2.0	GC2.0
RecommendedESC(调速器)	XC-12-LITE or XC1010BA	XC-12-LITE or XC1010BA	XC-12-LITE or XC1010BA
Propeller(螺旋桨)	2S: 7x4E, PT 8x3i 3S: 5x3E	2S: PT 9x3E, 8x4.75F 3S: 5x3E, 5.1x4.5E	2S: 9x4.75F, 10x5E 3S: 7x4E, PT8x2.3i
Class(适用机种)	100-150g airplanes.g. F3P or indoor Freestyle		

ECO 2303C (2000KV)

7.4V Motor @ Optimum Efficiency 最佳效率点



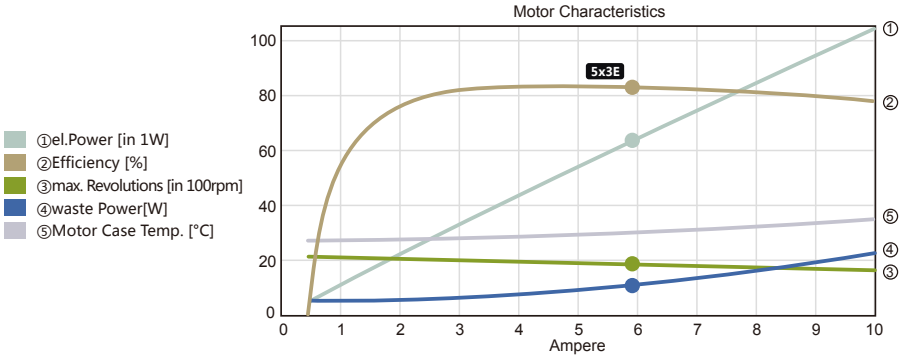
Motor Characteristics



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)	
7x4E									
7.4V (2S LIPO)	5600	47	1.3	7.4	9.4	77.7	116	12.3	
	6300	54	1.8	7.3	13.4	77.6	147	10.9	
	7000	61	2.6	7.3	18.5	77.3	181	9.8	
	7700	69	3.4	7.3	24.8	76.7	219	8.8	
	8400	77	4.5	7.3	32.5	75.9	260	8	
	9100	85	5.9	7.2	41.7	75.1	306	7.3	
	9800	94	7.5	7.2	52.7	74.2	355	6.7	
	10277	100	8.8	7.1	61.8	73.2	390	6.3	
	PT 8x3i								
	4900	42	1.1	7.4	8.2	76.2	99	12.1	
5600	49	1.7	7.3	12.3	76	130	10.5		
6300	57	2.4	7.3	17.6	75.4	164	9.3		
7000	64	3.4	7.3	24.5	74.5	203	8.3		
7700	73	4.6	7.3	33	73.6	245	7.4		
8400	82	6.1	7.2	43.5	72.5	292	6.7		
9100	91	8	7.2	56.2	71.4	342	6.1		
9714	100	10	7.1	69.9	70	390	5.6		

11.1V Motor @ Optimum Efficiency 最佳效率点

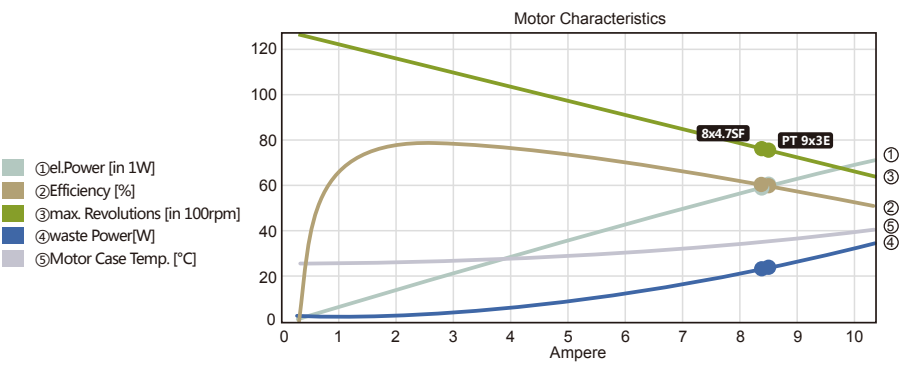
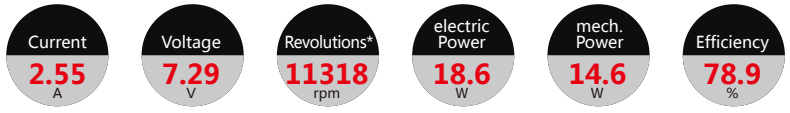




Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
5x3E								
11.1V (3S LIPO)	5600	27	0.2	11.1	2.2	66.1	32	14.7
	7000	34	0.3	11.1	3.8	73.4	49	13
	8400	42	0.6	11.1	6.2	77.8	71	11.5
	9800	49	0.9	11.1	9.5	80.5	97	10.2
	11200	56	1.3	11	13.9	82.2	127	9.1
	12600	64	1.8	11	19.5	83.2	160	8.2
	14000	72	2.4	11	26.6	83.8	198	7.4
	15400	80	3.2	11	35.2	84.1	239	6.8
	16800	88	4.2	10.9	45.7	84.2	285	6.2
	18200	97	5.4	10.9	58.2	84.1	334	5.7
18640	100	5.9	10.8	63.2	83.4	351	5.6	

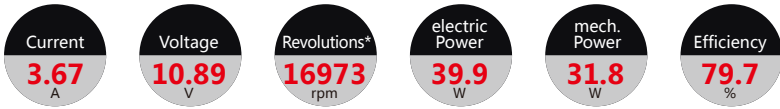
ECO 2303C (1800KV)

7.4V Motor @ Optimum Efficiency 最佳效率点



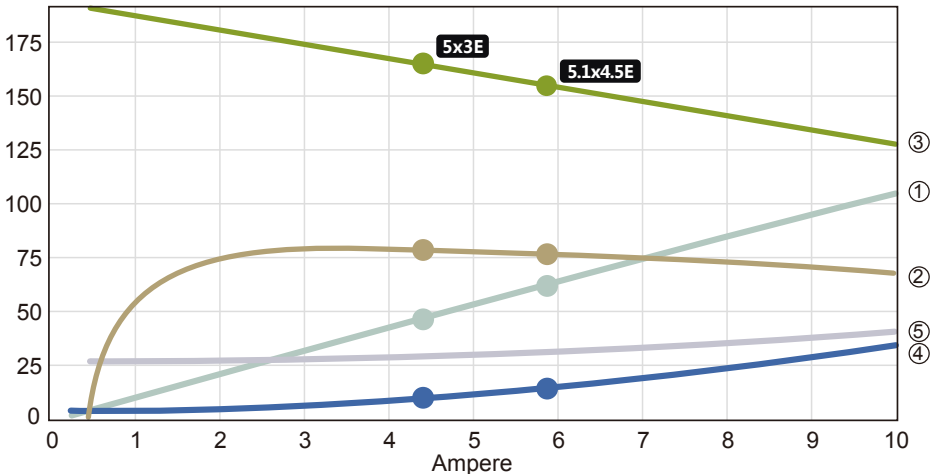
Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)	
8x4.75F									
7.4V (2S LIPO)	4500	50	1.6	7.4	11.6	66.7	119	10.2	
	5000	57	2.2	7.3	16.2	65.8	147	9.1	
	5500	64	3	7.3	21.9	64.6	178	8.1	
	6000	72	4	7.3	29	63.4	212	7.3	
	6500	81	5.3	7.2	37.6	62.2	249	6.6	
	7000	90	6.8	7.2	48	60.9	288	6	
	7489	100	8.6	7.1	60.7	59.3	330	5.4	
	PT 9x3E								
	4000	42	1.1	7.4	7.9	67.6	104	13.1	
	4500	49	1.6	7.4	11.3	67	131	11.6	
	5000	56	2.2	7.3	15.8	66.1	162	10.3	
	5500	64	3	7.3	21.3	65	196	9.2	
	6000	72	3.9	7.3	28.2	63.8	233	8.3	
	6500	80	5.1	7.2	36.6	62.6	274	7.5	
7000	89	6.6	7.2	46.6	61.3	317	6.8		
7500	99	8.3	7.1	58.5	60.1	364	6.2		
7537	100	8.6	7.1	60.2	59.6	368	6.1		

11.1V Motor @ Optimum Efficiency 最佳效率点



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

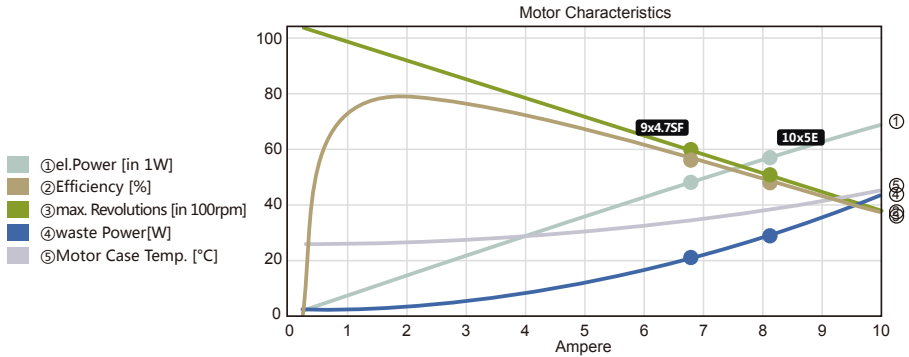
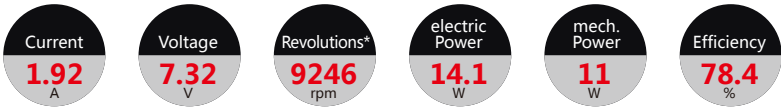
Motor Characteristics



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Voltage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
11.1V (3S LIPO)	5x3E							
	4800	26	0.1	11.1	1.6	55.8	23	14.5
	6000	33	0.2	11.1	2.7	64.5	36	13.4
	7200	40	0.4	11.1	4.3	70.3	52	12.1
	8400	47	0.6	11.1	6.5	74.1	71	11
	9600	54	0.8	11.1	9.4	76.7	93	9.9
	10800	62	1.2	11	13.1	78.3	118	9
	12000	69	1.6	11	17.7	79.4	145	8.2
	13200	77	2.1	11	23.3	80	176	7.5
	14400	85	2.8	11	30.2	80.4	209	6.9
	15600	93	3.5	10.9	38.3	80.5	246	6.4
	16569	100	4.3	10.9	46.5	79.6	277	6
	5.1x4.5E							
	3300	18	0.1	11.1	1	49.6	17	18.3
	4400	25	0.2	11.1	1.8	61.6	31	17.1
	5500	31	0.3	11.1	3.2	69.1	49	15.3
	6600	38	0.5	11.1	5.1	73.6	70	13.6
	7700	45	0.7	11.1	7.9	76.3	95	12.1
	8800	52	1	11.1	11.5	77.9	124	10.8
	9900	59	1.5	11	16.2	78.8	157	9.7
	11000	66	2	11	22.1	79.2	194	8.8
	12100	74	2.7	11	29.5	79.3	235	8
	13200	82	3.5	10.9	38.3	79.1	280	7.3
	14300	90	4.5	10.9	48.9	78.9	328	6.7
	15400	99	5.7	10.8	61.4	78.5	381	6.2
	15496	100	5.9	10.8	63.7	77.5	386	6.1

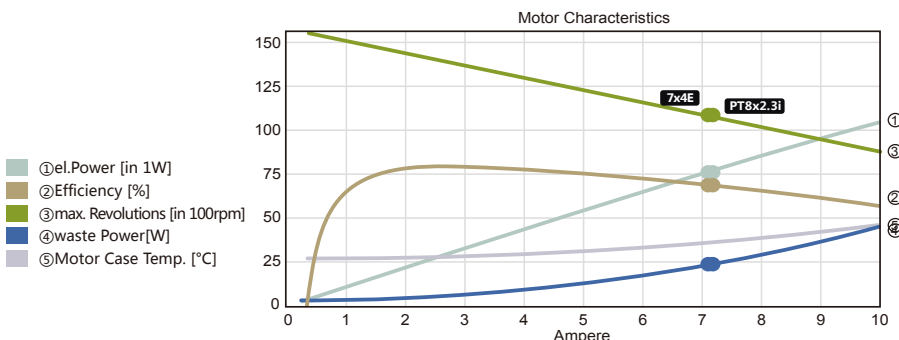
ECO 2303C (1470KV)

7.4V Motor @ Optimum Efficiency 最佳效率点



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
7.4V (2S LIPO)	9x4.75F							
	3200	43	0.9	7.4	6.7	65.1	94	14.1
	3600	50	1.3	7.4	9.7	64.3	119	12.3
	4000	58	1.9	7.3	13.5	63.2	148	10.9
	4400	66	2.5	7.3	18.4	61.9	178	9.7
	4800	74	3.4	7.3	24.4	60.6	212	8.7
	5200	83	4.4	7.3	31.7	59.3	249	7.9
	5600	92	5.7	7.2	40.5	57.9	289	7.1
	5899	100	6.8	7.2	48.6	56.6	321	6.6
	10x5E							
	3000	46	1.4	7.4	10	58.6	121	12.1
	3300	53	1.9	7.3	13.6	57.2	147	10.8
	3600	60	2.5	7.3	18.1	55.9	174	9.6
	3900	67	3.3	7.3	23.6	54.5	205	8.7
	4200	75	4.2	7.3	30.2	53.1	237	7.9
	4500	83	5.3	7.2	38.1	51.7	272	7.1
	4800	92	6.7	7.2	47.4	50.5	310	6.5
	5050	100	8.1	7.2	57.1	49.1	343	6

11.1V Motor @ Optimum Efficiency 最佳效率点



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
11.1V (3S LIPO)	7x4E							
	5600	44	0.9	11.1	9.6	74.5	99	10.3
	6400	51	1.3	11	14.4	74.4	130	9
	7200	59	1.9	11	20.6	73.9	164	8
	8000	67	2.6	11	28.6	73.1	203	7.1
	8800	76	3.5	10.9	38.5	72.1	245	6.4
	9600	85	4.7	10.9	50.7	71.1	292	5.8
	10400	94	6.1	10.8	65.5	70	343	5.2
	10832	100	7.1	10.8	76.1	68.7	372	4.9
	PT8x2.3i							
	5600	44	0.9	11.1	9.8	74.4	116	11.8
	6400	51	1.3	11	14.7	74.2	151	10.3
	7200	59	1.9	11	21.1	73.7	191	9.1
	8000	67	2.7	11	29.2	72.9	236	8.1
	8800	76	3.6	10.9	39.4	71.9	286	7.3
	9600	85	4.8	10.9	51.9	70.8	340	6.5
	10400	95	6.3	10.8	67.1	69.7	399	6
	10783	100	7.2	10.8	76.8	68.4	429	5.6