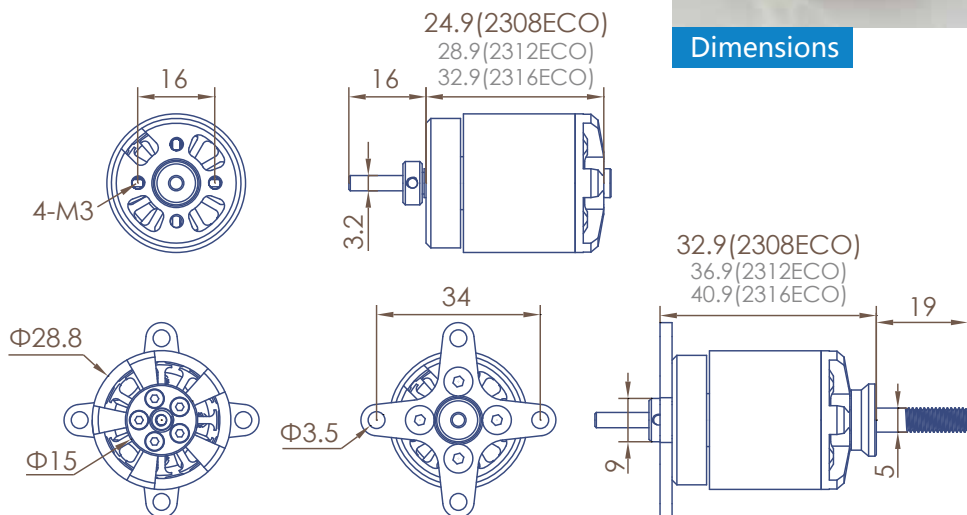


ECO 2308C-V2



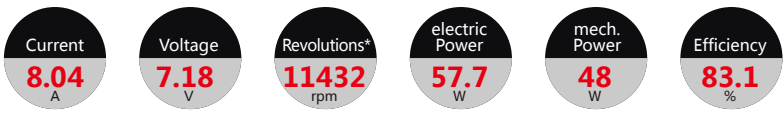
Dimensions

Specification

ECO-C Series	ECO 2308C			
SKU(商品编码)	51644	51645	51646	51647
KV(KV值)	1800	1500	1180	980
Turns(匝数)	9	11	14	17
Weight(g)(重量)	47	47	47	47
Dimensions(D x L)[mm](尺寸)	28.8x24.9	28.8x24.9	28.8x24.9	28.8x24.9
Slots & Poles(槽数, 极数)	12N14P	12N14P	12N14P	12N14P
Ri(mOhm)(电阻)	68.0	78.0	128.5	189.0
Io @10V (A)(空载电流)	1.0	0.7	0.5	0.4
No.of Cells(LiPo)(适用电池)	2..3	2..3	2..3	3..4
Max. EfficiencyCurrent[A](效率电流)	15	14	12	10
Max. Burst Current (15S)[A](最大电流)	25	23	20	17
Max. Power(15S)[W](最大功率)	200	184	240	204
Max. Torque [N*M](最大扭矩)	0.159	0.176	0.194	0.199
Shaft diameter(mm)(轴径)	3.175	3.175	3.175	3.175
Mountingholes pitch(安装孔距)	16/16	16/16	16/16	16/16
Input Connectors(输入链接)	GC3.5	GC3.5	GC3.5	GC3.5
RecommendedESC(调速器)	XC-22-LITE or XC2512BA	XC-22-LITE or XC2512BA	XC-22-LITE or XC2512BA	XC-22-LITE or XC2512BA
Propeller(螺旋桨)	2S: 10x5E, 9x6E 3S: 6x5.5E, 7x3E	2S: 10x5E, 11x5E 3S: 8x4E, 9x4.7E	2S: 11x6E, 10x8E 3S: 9x4.7SF, 9x6E	3S: 9x6E, 10x7E 4S: 7x5E, 8x6E
Class(适用机种)	Wings and Little Jets 400-600g300E class			

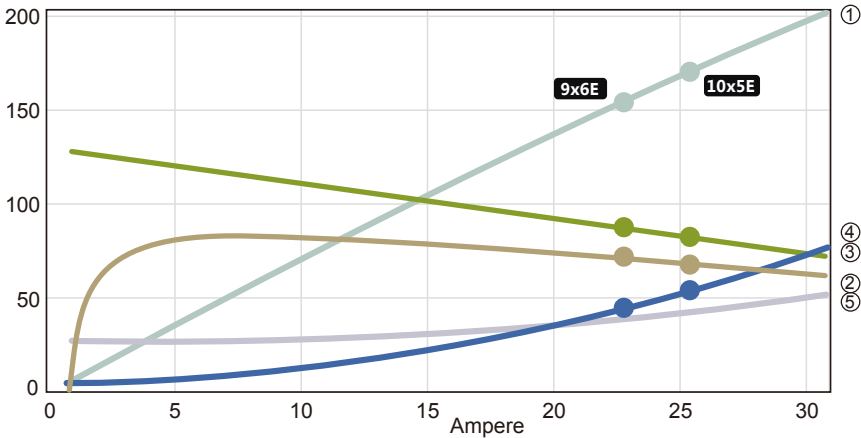
ECO 2308C (1800KV)

7.4V 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)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
7.4V (2S LIPO)	9x6E							
	3000	27	0.9	7.4	6.3	72.5	106	16.7
	3600	33	1.5	7.4	10.6	75.1	153	14.4
	4200	39	2.3	7.4	16.6	76.2	208	12.5
	4800	46	3.4	7.3	24.7	76.5	271	11
	5400	53	4.9	7.3	35.2	76.2	343	9.7
	6000	61	6.8	7.3	48.7	75.6	424	8.7
	6600	68	9.3	7.2	65.4	74.9	513	7.8
	7200	77	12.3	7.1	85.9	74	610	7.1
	7800	86	16	7.1	110.7	73.1	716	6.5
	8400	95	20.6	7	140.1	72.1	830	5.9
	8660	100	23	6.9	155.8	71.3	883	5.7
	10x5E							
	3000	28	1.1	7.4	8	73.2	121	15.2
	3600	34	1.9	7.4	13.5	74.6	174	12.9
	4200	41	3	7.3	21.4	74.9	237	11.1
	4800	48	4.5	7.3	32.1	74.5	310	9.6
	5400	56	6.5	7.3	46.3	73.7	392	8.5
	6000	64	9.1	7.2	64.3	72.7	484	7.5
	6600	73	12.5	7.1	87	71.5	586	6.7
	7200	83	16.7	7.1	114.8	70.3	697	6.1
	7800	93	22	6.9	148.6	69.1	819	5.5
	8147	100	25.8	6.9	172.5	68.1	893	5.2

11.1V Motor @ Optimum Efficiency 最佳效率点

Current
11.54
A

Voltage
10.66
V

Revolutions*
17038
rpm

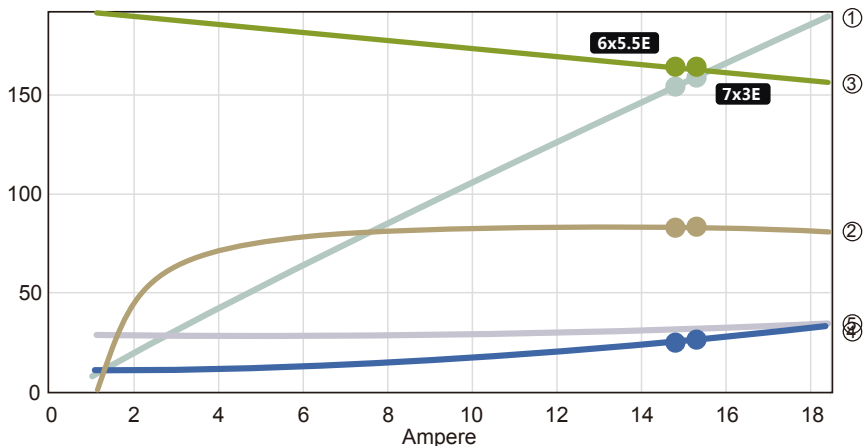
electric Power
123.1
W

mech. Power
103.1
W

Efficiency
83.7
%

- 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)	6x5.5E							
	2400	13	0.1	11.1	1.2	34.8	18	15
	3600	20	0.2	11.1	2.7	53.5	41	15.4
	4800	26	0.5	11.1	5.2	65.6	74	14.2
	6000	33	0.8	11.1	9.1	73	115	12.6
	7200	40	1.4	11.1	14.9	77.5	166	11.2
	8400	47	2.1	11	22.8	80.3	226	9.9
	9600	54	3	11	33.3	82	295	8.9
	10800	62	4.3	11	46.8	83	373	8
	12000	70	5.9	10.9	63.8	83.6	460	7.2
	13200	78	7.9	10.9	84.6	83.9	557	6.6
	14400	86	10.3	10.8	109.7	84	663	6
	15600	95	13.2	10.7	139.6	83.9	778	5.6
	16282	100	15.3	10.6	160.6	83.2	847	5.3
	7x3E							
	4800	26	0.5	11.1	5.2	65.8	64	12.2
	6000	33	0.8	11.1	9.2	73.2	100	10.8
	7200	40	1.4	11.1	15	77.6	144	9.6
	8400	47	2.1	11	23	80.4	195	8.5
	9600	54	3.1	11	33.6	82.1	255	7.6
	10800	62	4.3	11	47.3	83.1	323	6.8
	12000	70	5.9	10.9	64.4	83.6	399	6.2
	13200	78	7.9	10.9	85.5	83.9	482	5.6
	14400	86	10.4	10.8	110.9	84	574	5.2
	15600	95	13.3	10.7	141.2	83.9	674	4.8
	16260	100	15.4	10.6	161.7	83.1	732	4.5

ECO 2308C (1500KV)

7.4V Motor @ Optimum Efficiency 最佳效率点

Current
6.42
A

Voltage
7.22
V

Revolutions*
9670
rpm

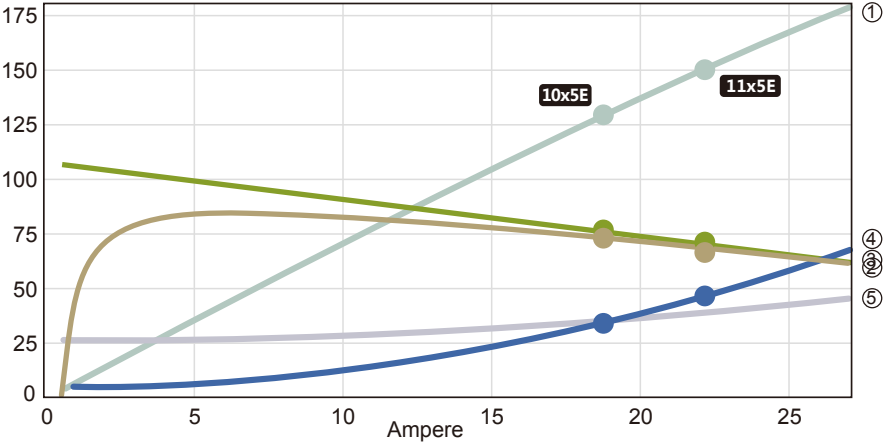
electric Power
46.4
W

mech. Power
39.2
W

Efficiency
84.6
%

- 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)
7.4V (2S LIPO)	10x5E							
	3000	32	1	7.4	7.6	76.7	121	15.9
	3500	38	1.6	7.4	11.9	78.1	165	13.9
	4000	45	2.4	7.3	17.6	78.5	215	12.2
	4500	51	3.5	7.3	25.1	78.5	272	10.8
	5000	58	4.8	7.3	34.6	78.1	336	9.7
	5500	65	6.5	7.3	46.5	77.5	407	8.8
	6000	73	8.6	7.2	60.9	76.8	484	8
	6500	81	11.1	7.2	78.2	76	568	7.3
	7000	89	14.2	7.1	98.8	75.1	659	6.7
	7500	98	17.8	7	123	74.2	757	6.2
	7583	100	18.6	7	128.3	73.8	774	6
	11x5E							
	3000	34	1.5	7.4	11.2	76.1	161	14.3
	3500	41	2.5	7.3	17.8	76.1	219	12.3
	4000	48	3.7	7.3	26.8	75.6	287	10.7
	4500	55	5.4	7.3	38.7	74.7	363	9.4
	5000	63	7.6	7.2	53.8	73.6	448	8.3
	5500	72	10.3	7.2	72.8	72.4	542	7.4
	6000	81	13.8	7.1	96.1	71.2	645	6.7
	6500	91	18.1	7	124.4	70	757	6.1
	6913	100	22.6	6.9	152.8	68.7	856	5.6

11.1V Motor @ Optimum Efficiency 最佳效率点

Current
8.7
A

Voltage
10.22
V

Revolutions*
13740
rpm

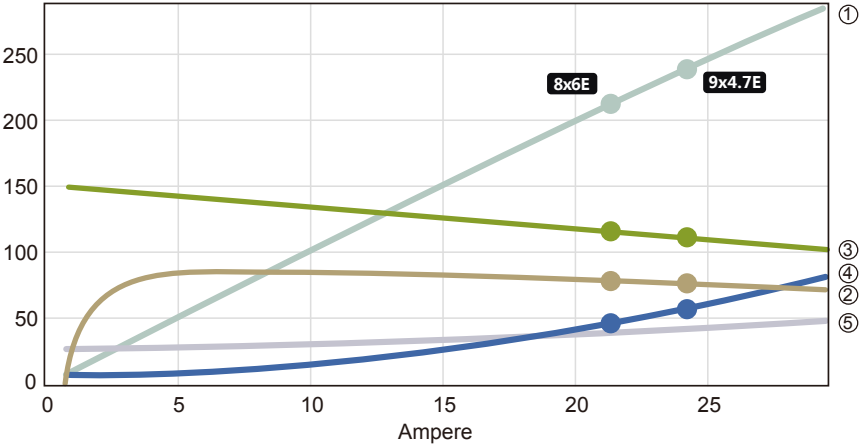
electric Power
89
W

mech. Power
75.9
W

Efficiency
85.3
%

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

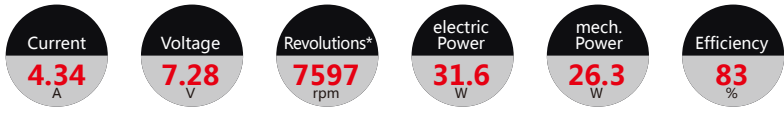
Motor Characteristics



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Voltage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
11.1V (3S LIPO)	8x6E							
	4000	29	0.8	10.4	8.7	78.4	132	15.2
	4800	35	1.4	10.4	14.6	80.8	190	13.1
	5600	42	2.2	10.4	22.8	81.9	259	11.4
	6400	49	3.3	10.4	33.9	82.3	339	10
	7200	55	4.7	10.3	48.3	82.2	429	8.9
	8000	63	6.5	10.3	66.6	81.8	529	7.9
	8800	70	8.7	10.3	89.2	81.3	640	7.2
	9600	78	11.5	10.2	116.7	80.6	762	6.5
	10400	86	14.9	10.1	149.7	79.9	894	6
	11200	95	18.9	10	188.8	79.1	1037	5.5
	11613	100	21.5	10	213.6	78.3	1115	5.2
	9x4.7E							
	3200	23	0.6	10.4	5.8	75.7	94	16.3
	4000	30	1	10.4	10.8	79.3	148	13.7
	4800	36	1.8	10.4	18.3	80.8	212	11.6
	5600	43	2.8	10.4	28.9	81.2	289	10
	6400	50	4.2	10.3	43.2	81	378	8.7
	7200	57	6	10.3	61.9	80.5	478	7.7
	8000	65	8.4	10.3	85.7	79.8	590	6.9
	8800	73	11.4	10.2	115.3	78.9	714	6.2
	9600	82	15.1	10.1	151.4	78	850	5.6
	10400	91	19.6	10	194.9	77	997	5.1
	11104	100	24.6	9.9	242.2	75.8	1137	4.7

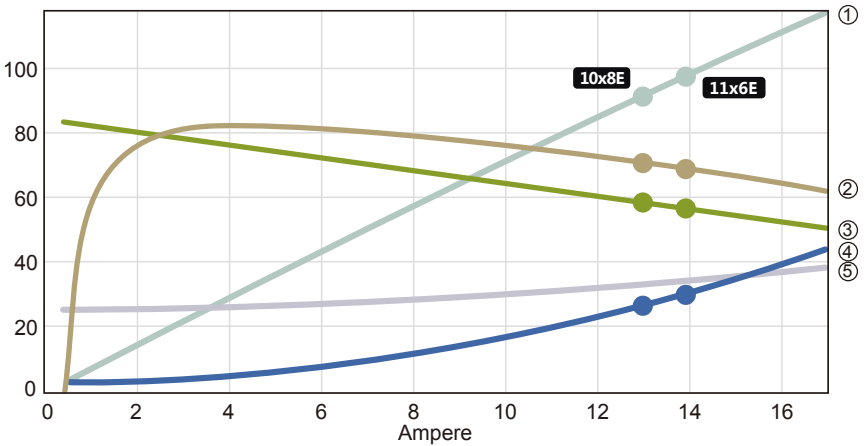
ECO 2308C (1180KV)

7.4V 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)
7.4V (2S LIPO)	10x8E							
	2000	28	0.5	7.4	3.9	71.9	86	22.3
	2400	34	0.9	7.4	6.4	74.3	124	19.2
	2800	40	1.4	7.4	10.1	75.2	169	16.7
	3200	47	2.1	7.4	15.1	75.3	220	14.6
	3600	54	3	7.3	21.6	74.9	279	12.9
	4000	62	4.1	7.3	29.8	74.3	344	11.5
	4400	70	5.6	7.3	40.2	73.4	417	10.4
	4800	78	7.4	7.2	52.9	72.4	496	9.4
	5200	87	9.6	7.2	68.2	71.4	582	8.5
	5600	96	12.3	7.1	86.5	70.3	675	7.8
	5755	100	13.5	7.1	94.9	69.7	713	7.5
	11x6E							
	2400	34	1	7.4	7.1	74.1	124	17.4
	2800	41	1.5	7.4	11.2	74.7	168	15.1
	3200	48	2.3	7.4	16.7	74.5	220	13.2
	3600	55	3.3	7.3	24	73.9	278	11.6
	4000	63	4.6	7.3	33.3	73.1	344	10.3
	4400	72	6.3	7.3	44.9	72.1	416	9.3
	4800	80	8.3	7.2	59.2	71	495	8.4
	5200	89	10.8	7.2	76.6	69.8	581	7.6
	5600	99	13.9	7.1	97.2	68.7	674	6.9
	5625	100	14.2	7.1	99.2	68.4	680	6.9

11.1V Motor @ Optimum Efficiency 最佳效率点

Current
6.07
A

Voltage
10.87
V

Revolutions*
11414
rpm

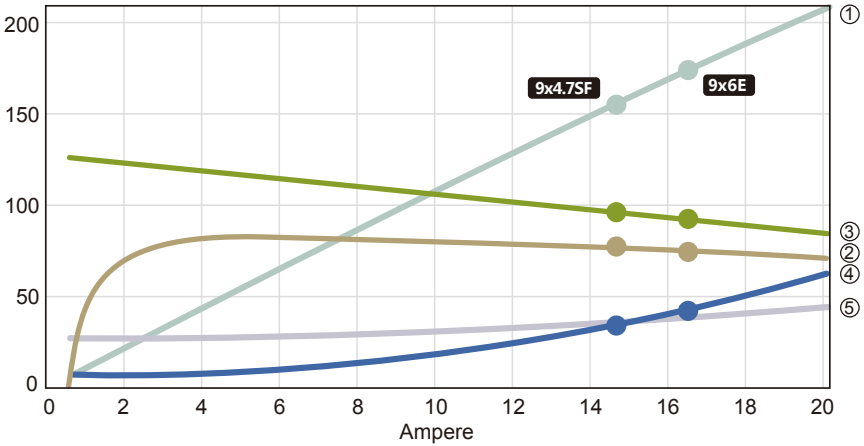
electric
Power
66
W

mech.
Power
55.5
W

Efficiency
84.2
%

- 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)	Propeller (RPM)	Throttle (%)	Current (A)	Voltage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
11.1V (3S LIPO)	9x4.7SF							
	2800	24	0.4	11.1	4	72.4	72	17.9
	3500	31	0.7	11.1	7.4	77.1	113	15.2
	4200	37	1.1	11.1	12.4	79.5	163	13.1
	4900	44	1.8	11	19.5	80.6	221	11.4
	5600	52	2.6	11	29	80.9	289	10
	6300	59	3.8	11	41.3	80.7	366	8.8
	7000	67	5.3	10.9	57	80.3	452	7.9
	7700	75	7.1	10.9	76.5	79.7	547	7.1
	8400	84	9.3	10.8	100.2	79	651	6.5
	9100	93	12.1	10.7	128.7	78.2	763	5.9
	9602	100	14.6	10.6	153.8	77.1	850	5.5
	9x6E							
	2800	25	0.5	11.1	5	74.5	92	18.4
	3500	31	0.9	11.1	9.4	77.9	144	15.4
	4200	38	1.4	11.1	15.9	79.3	208	13
	4900	46	2.3	11	25.2	79.6	283	11.2
	5600	54	3.5	11	37.7	79.3	369	9.8
	6300	62	5	10.9	54.1	78.7	467	8.6
	7000	70	7	10.9	75.1	77.9	577	7.7
	7700	79	9.5	10.8	101.2	76.9	698	6.9
	8400	89	12.6	10.7	133.1	75.9	830	6.2
	9100	99	16.4	10.6	171.6	74.8	975	5.7
	9136	100	16.8	10.6	175.6	74.3	982	5.6

ECO 2308C (980KV)

11.1V Motor @ Optimum Efficiency 最佳效率点

Current
4.49
A

Voltage
10.93
V

Revolutions*
9462
rpm

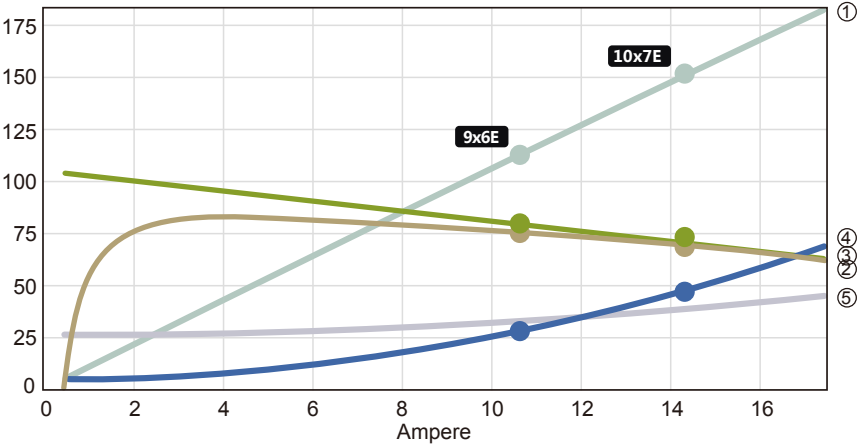
electric Power
49.1
W

mech. Power
40.7
W

Efficiency
82.9
%

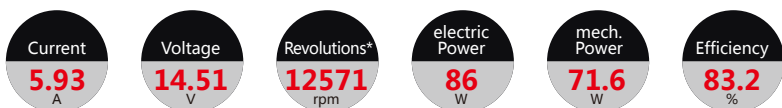
- ① el. Power [in 1W]
- ② Efficiency [%]
- ③ max. Revolutions [in 100rpm]
- ④ waste Power[W]
- ⑤ Motor Case Temp. [°C]

Motor Characteristics



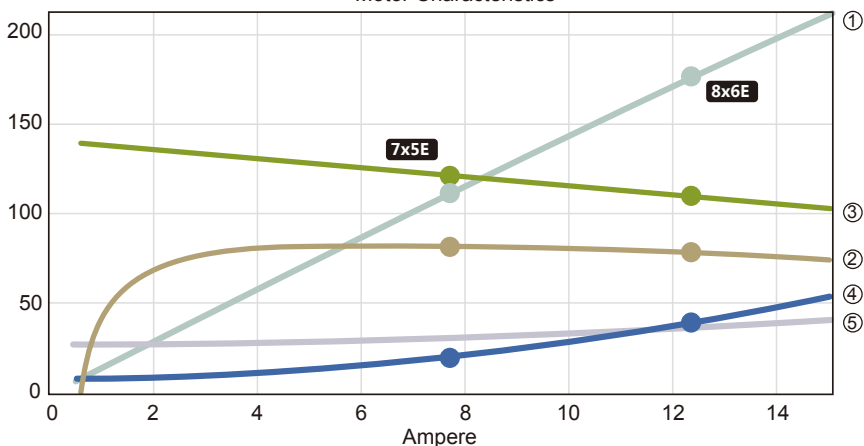
Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Voltage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
11.1V (3S LIPO)	9x6E							
	3000	32	0.6	11.1	6.1	75	106	17.3
	3600	39	0.9	11.1	10.2	77.6	153	14.9
	4200	46	1.5	11.1	16	78.8	208	12.9
	4800	54	2.2	11	23.8	79.1	271	11.4
	5400	62	3.1	11	34	79	343	10.1
	6000	70	4.3	11	46.9	78.6	424	9
	6600	79	5.8	10.9	62.9	77.9	513	8.2
	7200	88	7.6	10.9	82.4	77.2	610	7.4
	7800	97	9.9	10.8	105.9	76.4	716	6.8
	7961	100	10.7	10.8	114.1	75.7	746	6.5
	10x7E							
	3000	34	1	11.1	10.8	75.4	170	15.6
	3500	41	1.6	11.1	17.2	75.7	231	13.4
	4000	48	2.4	11	25.8	75.2	301	11.7
	4500	56	3.4	11	37.1	74.5	381	10.3
	5000	63	4.7	11	51.6	73.5	471	9.1
	5500	72	6.4	10.9	69.7	72.4	570	8.2
	6000	80	8.6	10.8	92	71.2	678	7.4
	6500	90	11.2	10.8	118.9	70	796	6.7
	7000	99	14.3	10.7	151.2	68.7	923	6.1
	7014	100	14.6	10.6	153.7	68.3	926	6

14.8V 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)
7x5E								
14.8V (4S LIPO)	3600	27	0.2	14.8	3.7	65.8	60	16.2
	4500	34	0.4	14.8	6.5	73.1	93	14.4
	5400	41	0.7	14.8	10.6	77.5	135	12.7
	6300	48	1.1	14.8	16.2	80.2	183	11.3
	7200	56	1.6	14.7	23.7	81.8	239	10.1
	8100	63	2.3	14.7	33.4	82.8	303	9.1
	9000	71	3.1	14.7	45.5	83.3	374	8.2
	9900	79	4.1	14.6	60.4	83.5	452	7.5
	10800	87	5.4	14.6	78.4	83.6	538	6.9
	11700	96	6.9	14.5	99.8	83.4	632	6.3
	12108	100	7.8	14.5	111.9	82.6	677	6
	8x6E							
14.8V (4S LIPO)	3200	25	0.3	14.8	4.8	72.5	85	17.6
	4000	31	0.6	14.8	8.8	77.4	132	15
	4800	38	1	14.8	14.7	79.8	190	12.9
	5600	45	1.6	14.7	23.1	81	259	11.2
	6400	53	2.3	14.7	34.3	81.4	339	9.9
	7200	60	3.3	14.7	48.8	81.3	429	8.8
	8000	68	4.6	14.6	67.3	80.9	529	7.9
	8800	76	6.2	14.5	90.2	80.4	640	7.1
	9600	85	8.2	14.5	118	79.8	762	6.5
	10400	94	10.6	14.4	151.4	79	894	5.9
	10902	100	12.5	14.3	178	77.9	982	5.5