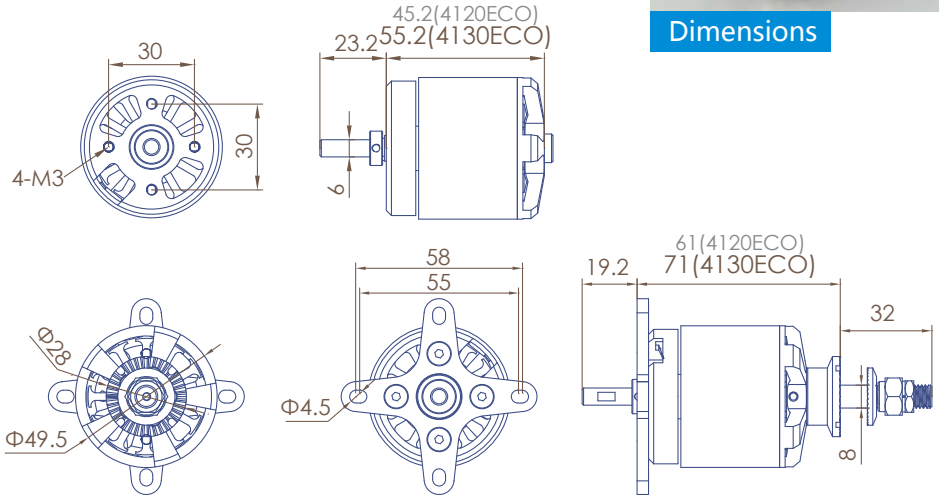




Dimensions



## Specification

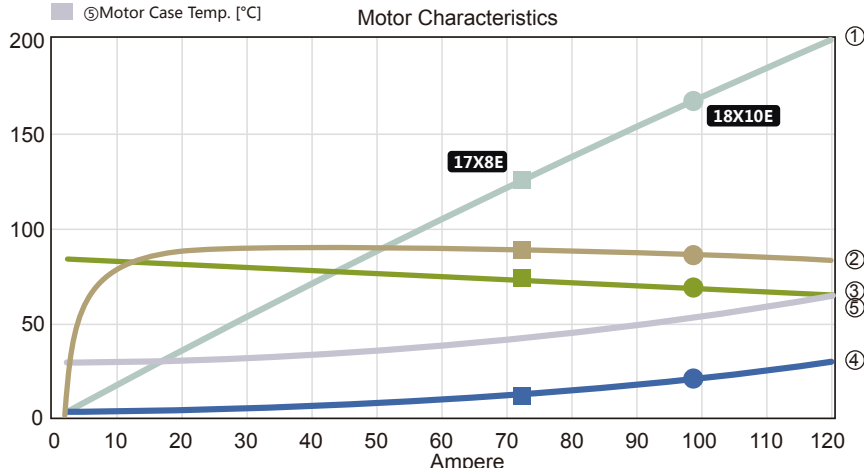
ECO-C Series	ECO 4130C		
SKU(商品编码)	51677	51678	51686
KV(KV值)	470	375	290
Turns(匝数)	5.5	7	9
Weight(g)(重量)	380	380	380
Dimensions(D x L)[mm](尺寸)	49.5x55.2	49.5x55.2	49.5x55.2
Slots & Poles(槽数, 极数)	12N14P	12N14P	12N14P
Ri(mOhm)(电阻)	16.4	25.2	38.8
I <sub>o</sub> @10V (A)(空载电流)	1.5	1.1	0.8
No.of Cells(LiPo)(适用电池)	5.6	6	8
Max. EfficiencyCurrent[A](效率电流)	54	48	39
Max. Burst Current (15S)[A](最大电流)	90	80	65
Max. Power(15S)[W](最大功率)	1800	1920	2080
Max. Torque [N*M](最大扭矩)	2.20	2.45	2.57
Shaft diameter(mm)(轴径)	6	6	6
Mountingholes pitch(安装孔距)	30/30	30/30	30/30
Input Connectors(输入链接)	GC4.0	GC4.0	GC4.0
RecommendedESC(调速器)	XC8018BA		XC10036HV
Propeller(螺旋桨)	5S: 18x10E, 17x8E 6S: 16x8, 15x8	6S: 17x10E, 17x12E	8S: 17x12E, 18x10E
Class(适用机种)	0.80 - .110 4-stroke		

# ECO 4130C (470KV)

## 18.5V Motor @ Optimum Efficiency 最佳效率点



- ① el. Power [in 10W]
- ② Efficiency [%]
- ③ max. Revolutions [in 100rpm]
- ④ waste Power[W]
- ⑤ Motor Case Temp. [°C]



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Voltage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
<b>17X8E</b>								
18.5V (5S LIPO)	2500	31	3	18.5	54.4	83	661	12.1
	3000	37	4.9	18.4	90.6	86.2	952	10.5
	3500	44	7.7	18.4	140.7	88.1	1296	9.2
	4000	50	11.4	18.4	207.4	89.3	1692	8.2
	4500	57	16.1	18.3	293.1	89.9	2142	7.3
	5000	64	22.1	18.2	400.6	90.3	2644	6.6
	5500	71	29.6	18.1	532.5	90.4	3199	6
	6000	79	38.7	18	691.4	90.4	3807	5.5
	6500	87	49.6	17.9	880.1	90.3	4468	5.1
	7000	95	62.7	17.7	1101.5	90.1	5182	4.7
7320	100	72.6	17.6	1264.9	89.8	5667	4.5	
<b>18X10E</b>								
18.5V (5S LIPO)	2000	25	2.4	18.5	44	82.6	628	14.3
	2500	31	4.5	18.4	82.4	86.2	981	11.9
	3000	38	7.6	18.4	139.4	88	1412	10.1
	3500	45	12	18.3	219.2	88.9	1922	8.8
	4000	52	18	18.3	326	89.2	2511	7.7
	4500	59	25.8	18.2	464.2	89.2	3178	6.8
	5000	67	35.7	18.1	638.1	89	3923	6.1
	5500	75	48.2	17.9	852.4	88.7	4747	5.6
	6000	83	63.6	17.7	1111.9	88.3	5649	5.1
	6500	92	82.4	17.5	1421.2	87.8	6630	4.7
6893	100	100.4	17.2	1707.9	87.3	7457	4.4	

## 22.2V Motor @ Optimum Efficiency 最佳效率点

Current  
**50.68**  
A

Voltage  
**21.32**  
V

Revolutions\*  
**9285**  
rpm

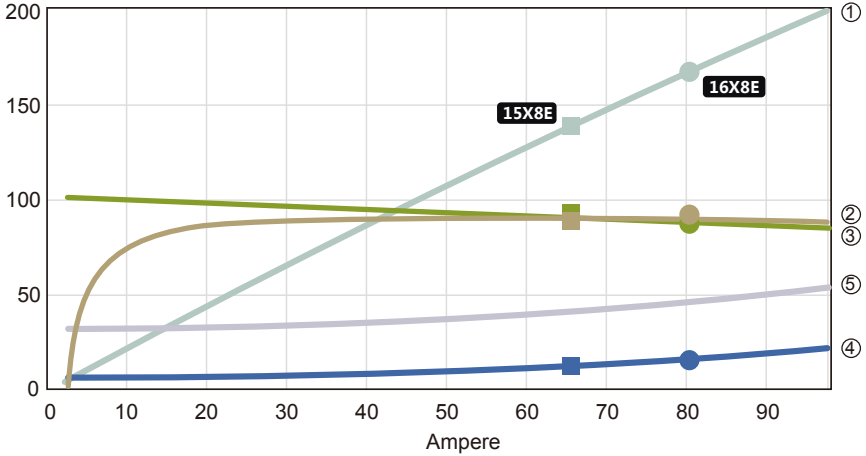
electric Power  
**1080.6**  
W

mech. Power  
**986.8**  
W

Efficiency  
**91.3**  
%

- ① el. Power [in 10W]
- ② Efficiency [%]
- ③ max. Revolutions [in 100rpm]
- ④ waste Power [W]
- ⑤ Motor Case Temp. [°C]

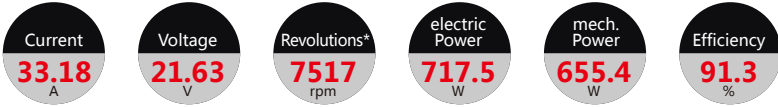
Motor Characteristics



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
22.2V (6S LIPO)	<b>15X8E</b>							
	3600	37	4.3	22.1	95.7	85.5	942	9.8
	4200	43	6.7	22.1	147.9	87.8	1282	8.7
	4800	50	9.9	22.1	217.3	89.2	1674	7.7
	5400	56	14	22	306.3	90.1	2118	6.9
	6000	63	19.2	21.9	417.5	90.7	2615	6.3
	6600	70	25.5	21.8	553.8	91	3165	5.7
	7200	77	33.3	21.7	717.6	91.2	3766	5.2
	7800	84	42.6	21.6	911.9	91.2	4420	4.8
	8400	92	53.6	21.4	1139.4	91.2	5126	4.5
	9000	100	66.7	21.2	1402.8	91.1	5885	4.2
	9014	100	67.2	21.2	1413	90.9	5902	4.2
	<b>16X8E</b>							
	3000	31	3.3	22.2	72.6	84.4	794	10.9
	3600	37	5.5	22.1	121.3	87.3	1143	9.4
	4200	44	8.6	22.1	188.9	89	1555	8.2
	4800	50	12.7	22	279	90	2031	7.3
	5400	57	18.1	21.9	394.8	90.5	2571	6.5
	6000	64	24.9	21.8	540	90.8	3174	5.9
	6600	71	33.3	21.7	718.1	90.9	3841	5.3
	7200	79	43.6	21.5	932.8	90.8	4571	4.9
	7800	87	56.1	21.4	1187.7	90.7	5364	4.5
8400	95	71	21.1	1486.7	90.5	6221	4.2	
8772	100	81.8	21	1700.9	90.2	6784	4	

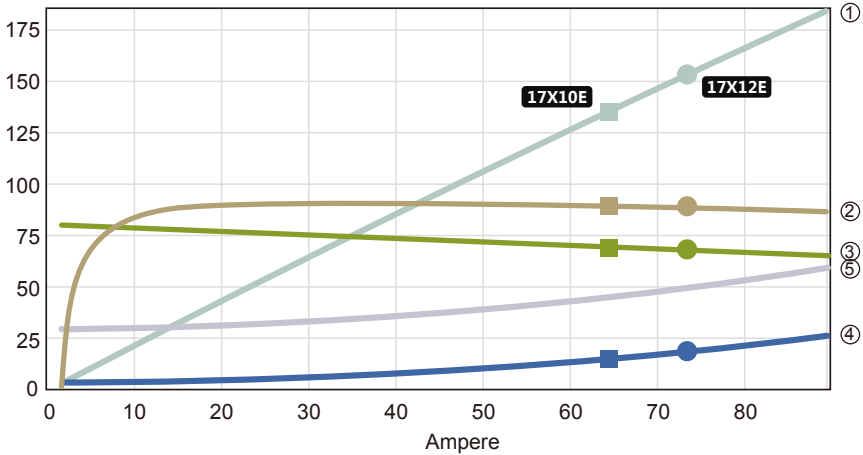
# ECO 4130C (375KV)

## 22.2V Motor @ Optimum Efficiency 最佳效率点



- ① el.Power [in 10W]
- ② Efficiency [%]
- ③ max. Revolutions [in 100rpm]
- ④ waste Power[W]
- ⑤ Motor Case Temp. [°C]

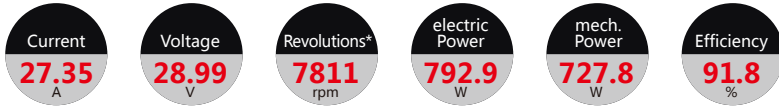
Motor Characteristics



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
22.2V (6S LIPO)	<b>17X10E</b>							
	2500	32	3	22.2	66.2	85.3	826	12.5
	3000	39	5	22.1	111.2	87.8	1190	10.7
	3500	46	7.9	22.1	174	89.1	1619	9.3
	4000	53	11.8	22	257.8	89.8	2115	8.2
	4500	60	16.7	21.9	365.9	90.1	2677	7.3
	5000	68	23.1	21.9	501.6	90.1	3305	6.6
	5500	75	30.9	21.7	668.3	90	3999	6
	6000	83	40.5	21.6	869.7	89.8	4759	5.5
	6500	92	52.1	21.4	1109.4	89.5	5585	5
	6974	100	65.4	21.2	1378.3	89.1	6429	4.7
	<b>17X12E</b>							
	2500	33	3.6	22.1	78.5	86.4	991	12.6
	3000	39	6	22.1	132.7	88.3	1428	10.8
	3500	47	9.5	22.1	208.5	89.2	1943	9.3
	4000	54	14.2	22	310	89.6	2538	8.2
	4500	61	20.3	21.9	441.1	89.6	3212	7.3
	5000	69	28	21.8	606.1	89.5	3966	6.5
	5500	77	37.7	21.6	809.3	89.2	4799	5.9
	6000	85	49.5	21.5	1055	88.8	5711	5.4
6500	94	64	21.2	1347.9	88.4	6702	5	
6816	100	74.8	21.1	1563.4	88	7370	4.7	

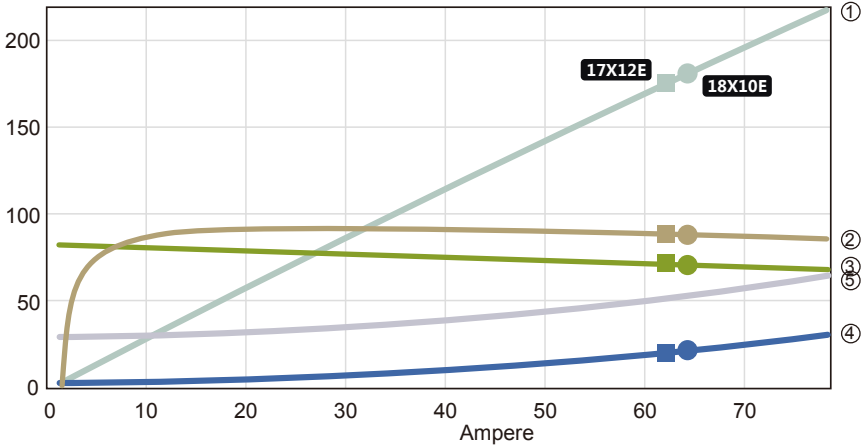
# ECO 4130C (290KV)

## 29.6V Motor @ Optimum Efficiency 最佳效率点



- ① el.Power [in 10W]
- 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)	
<b>17X12E</b>									
29.6V (8S LIPO)	2500	31	2.6	29.5	78	86.9	991	12.7	
	3000	38	4.5	29.5	131.9	88.8	1428	10.8	
	3500	45	7.1	29.5	207.3	89.7	1943	9.4	
	4000	52	10.5	29.4	308	90.1	2538	8.2	
	4500	59	15	29.3	438.2	90.2	3212	7.3	
	5000	66	20.7	29.2	601.9	90.1	3966	6.6	
	5500	73	27.8	29	803.3	89.9	4799	6	
	6000	81	36.4	28.9	1046.8	89.5	5711	5.5	
	6500	89	46.9	28.7	1336.8	89.1	6702	5	
	7000	98	59.3	28.4	1677.8	88.7	7773	4.6	
	7135	100	63.3	28.3	1783.6	88.5	8076	4.5	
	<b>18X10E</b>								
	2500	31	2.8	29.5	81.5	87.2	981	12	
	3000	38	4.7	29.5	138	88.9	1412	10.2	
3500	45	7.4	29.5	217.1	89.7	1922	8.9		
4000	52	11	29.4	322.9	90.1	2511	7.8		
4500	59	15.8	29.3	459.7	90.1	3178	6.9		
5000	66	21.7	29.2	631.7	89.9	3923	6.2		
5500	74	29.2	29	843.5	89.6	4747	5.6		
6000	82	38.3	28.8	1099.7	89.3	5649	5.1		
6500	90	49.3	28.6	1404.9	88.8	6630	4.7		
7000	98	62.6	28.3	1764	88.4	7689	4.4		
7094	100	65.5	28.3	1842.2	88.2	7897	4.3		