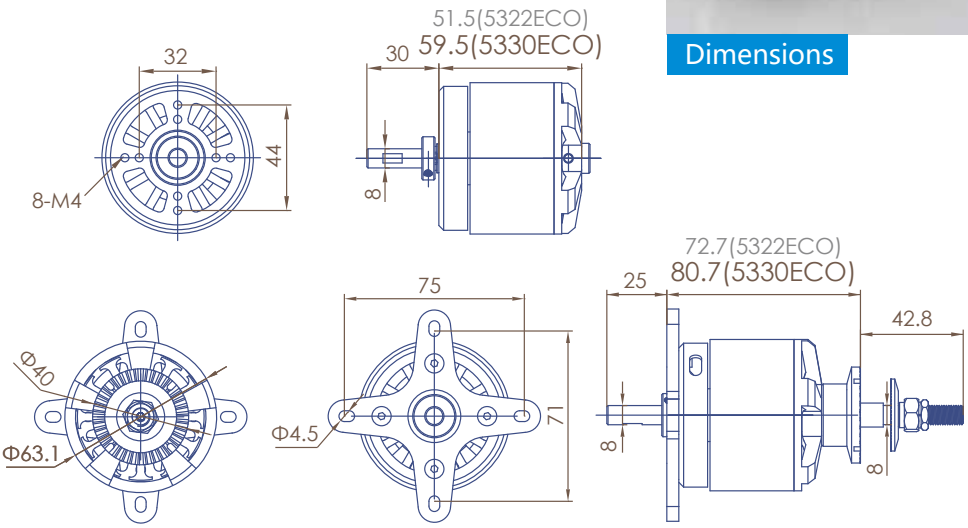
POWERED BY DUALSKY

ECO 5330C-V2

Dimensions



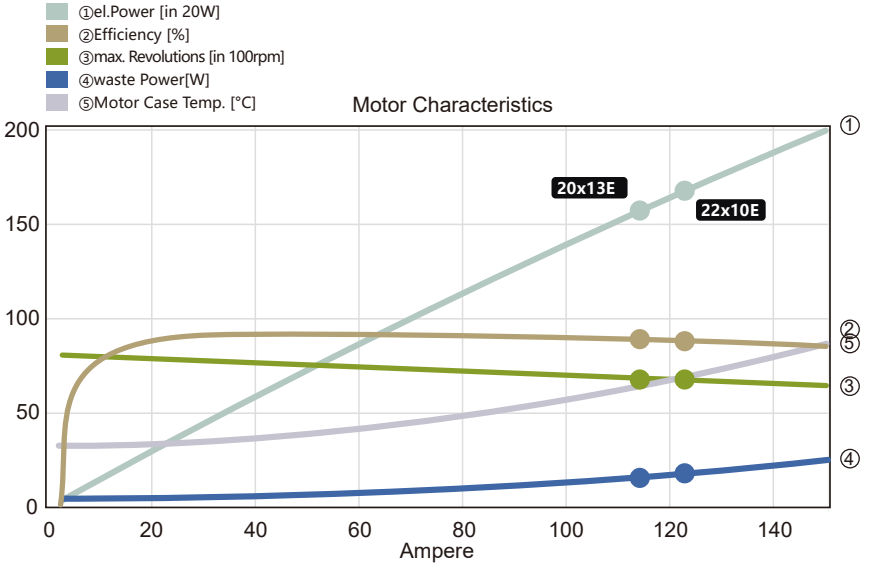
Specification

ECO-C Series	ECO 5330C		
SKU(商品编码)	51682	51683	51684
KV(KV值)	280	225	205
Turns(匝数)	8	10	11
Weight(g)(重量)	640	640	640
Dimensions(D x L)[mm](尺寸)	63.1x59.5	63.1x59.5	63.1x59.5
Slots & Poles(槽数，极数)	12N14P	12N14P	12N14P
Ri(mOhm)(电阻)	17.8	36.2	43.0
Io @10V (A)(空载电流)	1.4	1.0	0.8
No.of Cells(LiPo)(适用电池)	8	10	10..12
Max. EfficiencyCurrent[A](效率电流)	60	55	50
Max. Burst Current (15S)[A](最大电流)	100	90	85
Max. Power(15S)[W](最大功率)	3200	3600	3400
Max. Torque [N*M](最大扭矩)	4.10	4.59	4.76
Shaft diameter(mm)(轴径)	8	8	8
Mountingholes pitch(安装孔距)	32/44	32/44	32/44
Input Connectors(输入链接)	GC4.0	GC4.0	GC4.0
RecommendedESC(调速器)	XC10036HV	XC10036HV	XC10036HV
Propeller(螺旋桨)	8S: 20x13E, 22x10E	10S: 20.5x12WE, 21x13E, 22x10E	10S: 20.5x12WE, 21x13E, 21x14E 12S: 19x10E, 19x12E
Class(适用机种)	1.40 - 1.80 4-stroke e.g. FAI. F3A & popular 78" 3D models		

ECO 5330C (280KV)

29.6V Motor @ Optimum Efficiency 最佳效率点

Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
52.35 A	28.6 V	7477 rpm	1497.2 W	1387.7 W	92.7 %

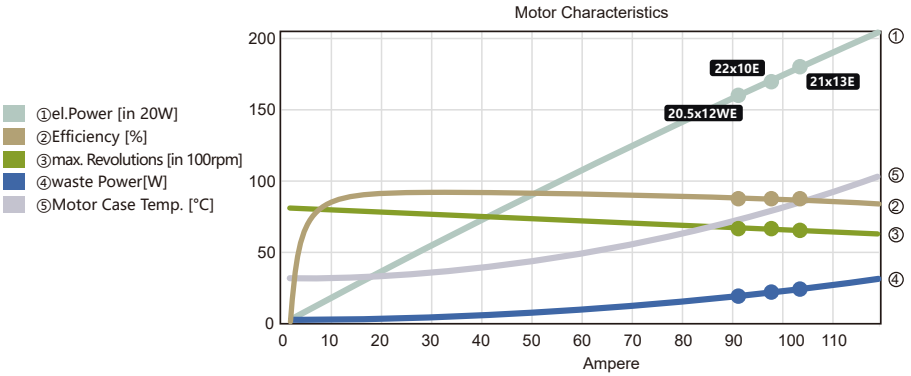


Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
29.6V (8S LIPO)	**20x13E**							
	2000	26	2.9	29.6	84.7	85.1	1119	13.2
	2500	32	5.4	29.5	159.2	88.4	1749	11
	3000	39	9.2	29.4	269.9	90.1	2519	9.3
	3500	46	14.5	29.4	424.7	90.9	3428	8.1
	4000	54	21.7	29.2	631.6	91.2	4477	7.1
	4500	61	31.1	29.1	898.7	91.3	5667	6.3
	5000	69	43.1	28.9	1234.4	91.2	6996	5.7
	5500	77	58	28.6	1647.2	91	8465	5.1
	6000	85	76.4	28.3	2145.8	90.6	10074	4.7
	6500	94	99	27.9	2739.1	90.3	11823	4.3
	6802	100	115.1	27.7	3153.8	90	12948	4.1
	22x10E							
	2500	33	6.1	29.5	178.3	88.9	1791	10
	3000	40	10.4	29.4	303.4	90.2	2579	8.5
	3500	47	16.4	29.3	478.6	90.8	3510	7.3
	4000	54	24.6	29.2	713	91	4584	6.4
	4500	62	35.3	29	1016.1	90.9	5802	5.7
	5000	70	49	28.8	1397.4	90.7	7163	5.1
	5500	78	66.1	28.5	1866.8	90.4	8667	4.6
	6000	87	87.4	28.1	2434.4	90	10314	4.2
	6500	96	113.5	27.7	3110.6	89.5	12105	3.9
	6692	100	125.3	27.5	3409	89.3	12832	3.8

ECO 5330C (225KV)

37V Motor @ Optimum Efficiency 最佳效率点

Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
35.4 A	36.18 V	7573 rpm	1280.5 W	1178.8 W	92.1 %

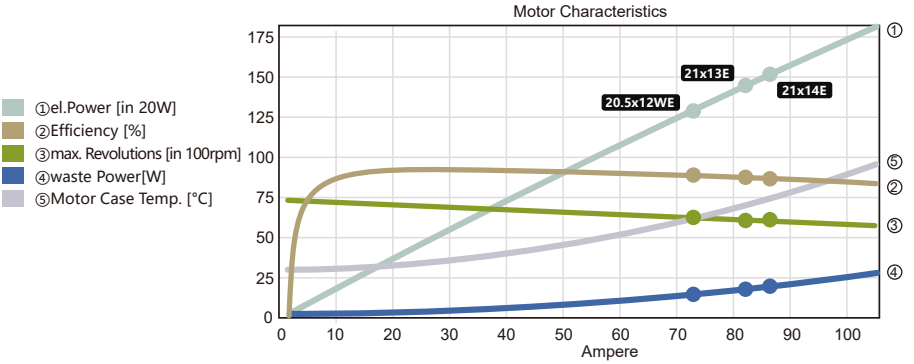


Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
37V (10S LIPO)	**20.5x12WE**							
	3000	40	7.5	36.8	276.9	89.5	2504	9
	3500	47	11.9	36.7	437.3	90	3408	7.8
	4000	54	17.9	36.6	652.2	90	4451	6.8
	4500	62	25.6	36.5	930.6	89.8	5633	6.1
	5000	69	35.5	36.3	1281.4	89.5	6954	5.4
	5500	78	47.9	36	1713.8	89.1	8415	4.9
	6000	86	63.1	35.7	2237.6	88.6	10014	4.5
	6500	95	81.6	35.3	2862.3	88	11753	4.1
	6759	100	92.9	35	3235.9	87.6	12706	3.9
	22x10E							
	3000	40	8.3	36.8	306.1	89.4	2579	8.4
	3500	47	13.2	36.7	484.5	89.7	3510	7.2
	4000	54	19.9	36.6	723.8	89.7	4584	6.3
	4500	62	28.5	36.4	1034.2	89.4	5802	5.6
	5000	70	39.6	36.2	1425.7	88.9	7163	5
	5500	79	53.5	35.9	1909	88.4	8667	4.5
	6000	87	70.7	35.5	2494.8	87.8	10314	4.1
	6500	97	91.7	35.1	3194.4	87.2	12105	3.8
	6662	100	99.7	34.9	3456.3	86.9	12718	3.7
	21x13E							
	3000	40	9	36.8	330.7	89.4	2915	8.8
	3500	47	14.3	36.7	524.1	89.5	3968	7.6
	4000	55	21.6	36.5	784.1	89.3	5183	6.6
	4500	63	31	36.3	1121.5	88.9	6560	5.8
	5000	71	43.1	36.1	1547.5	88.4	8099	5.2
	5500	79	58.3	35.8	2073.9	87.8	9799	4.7
	6000	89	77.2	35.4	2712.5	87.2	11662	4.3
	6500	98	100.3	34.9	3475.7	86.5	13687	3.9
	6586	100	105	34.8	3629.6	86.3	14052	3.9

ECO 5330C (205KV)

37V Motor @ Optimum Efficiency 最佳效率点

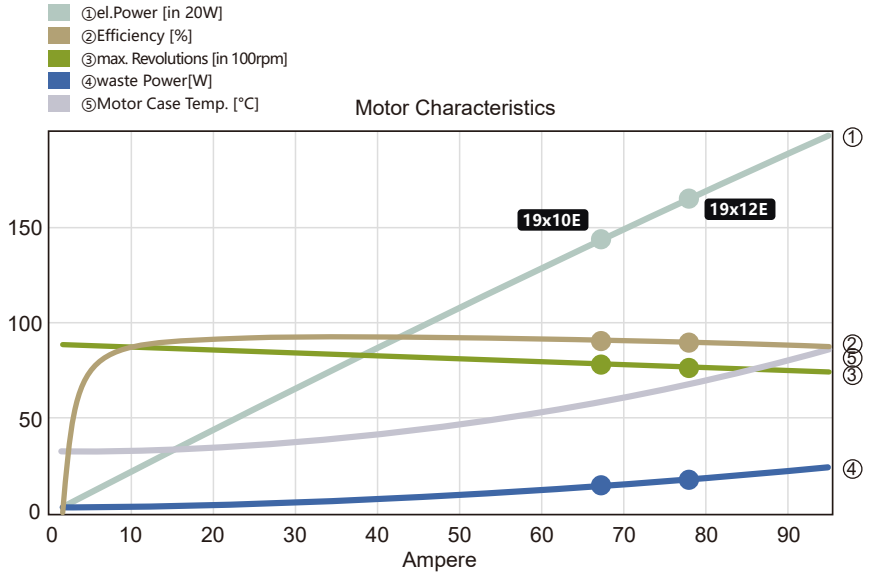
Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
28.31 A	36.34 V	6948 rpm	1028.9 W	951.4 W	92.5 %



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
37V (10S LIPO)	**20.5x12WE**							
	2800	40	6.1	36.9	224.2	89.8	2181	9.7
	3200	46	9.1	36.8	332.8	90.3	2848	8.6
	3600	53	12.9	36.7	472.9	90.5	3605	7.6
	4000	59	17.8	36.6	649	90.5	4451	6.9
	4400	66	23.8	36.5	865.6	90.3	5385	6.2
	4800	73	31.1	36.3	1127.2	90	6409	5.7
	5200	80	39.9	36.2	1438.5	89.7	7522	5.2
	5600	87	50.4	35.9	1804.5	89.3	8723	4.8
	6000	94	62.8	35.7	2229.9	88.9	10014	4.5
	6295	100	73.4	35.5	2589.9	88.5	11025	4.3
	21x13E							
	2800	41	7.3	36.8	267.6	89.8	2540	9.5
	3200	47	10.9	36.8	398.4	90	3317	8.3
	3600	53	15.5	36.7	567.6	90	4198	7.4
	4000	60	21.4	36.5	780.6	89.7	5183	6.6
	4400	67	28.8	36.4	1043	89.4	6272	6
	4800	74	37.7	36.2	1360.5	89	7464	5.5
	5200	81	48.6	36	1739.1	88.5	8759	5
	5600	89	61.5	35.7	2184.7	88	10159	4.7
	6000	97	76.8	35.4	2703.4	87.4	11662	4.3
	6150	100	83.4	35.2	2924.1	87.2	12254	4.2
	21x14E							
	2800	41	7.9	36.8	288.4	89.7	2735	9.5
	3200	47	11.7	36.8	430	89.8	3572	8.3
	3600	54	16.8	36.6	613.3	89.7	4521	7.4
	4000	61	23.2	36.5	844.2	89.4	5582	6.6
	4400	67	31.2	36.3	1129	88.9	6754	6
	4800	75	41	36.1	1473.8	88.4	8038	5.5
	5200	82	52.8	35.9	1885.2	87.9	9433	5
	5600	90	66.9	35.6	2369.7	87.4	10940	4.6
	6000	98	83.7	35.2	2934.2	86.8	12559	4.3
	6086	100	87.9	35.2	3071.8	86.6	12920	4.2

44.4V Motor @ Optimum Efficiency 最佳效率点

Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
33.21 A	43.49 V	8321 rpm	1444 W	1337.7 W	92.6 %



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
44.4V (12S LIPO)	**19x10E**							
	3000	35	3.9	44.3	170.7	89.3	1661	9.7
	3500	41	6	44.2	267.2	90.5	2261	8.5
	4000	48	9	44.2	395.8	91.2	2953	7.5
	4500	54	12.8	44.1	561.6	91.5	3737	6.7
	5000	61	17.5	44	769.4	91.7	4614	6
	5500	67	23.5	43.8	1024.6	91.6	5583	5.4
	6000	74	30.6	43.6	1332.3	91.5	6644	5
	6500	81	39.2	43.4	1697.9	91.3	7798	4.6
	7000	88	49.5	43.2	2126.8	91	9043	4.3
	7500	96	61.5	42.9	2624.4	90.7	10381	4
	7773	100	69	42.7	2933.2	90.4	11150	3.8
	19x12E							
	3000	36	4.6	44.3	203.5	89.8	1993	9.8
	3500	42	7.2	44.2	319.9	90.7	2713	8.5
	4000	48	10.8	44.1	475.3	91.2	3543	7.5
	4500	55	15.4	44	676	91.3	4485	6.6
	5000	61	21.2	43.9	928	91.2	5537	6
	5500	68	28.4	43.7	1237.9	91	6699	5.4
	6000	75	37.2	43.5	1612.1	90.7	7973	4.9
	6500	83	47.8	43.2	2057.3	90.4	9357	4.5
	7000	90	60.4	42.9	2580.3	90	10852	4.2
	7500	98	75.3	42.5	3187.9	89.6	12458	3.9
	7615	100	79.3	42.4	3348.1	89.4	12843	3.8

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