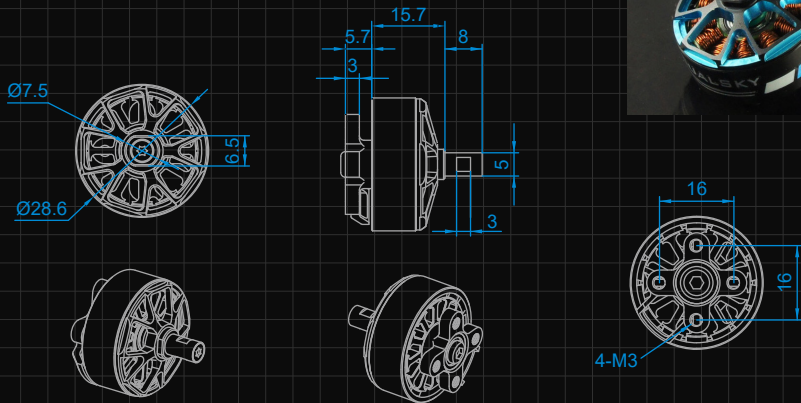


Dimension 尺寸图



* Please ask us for 3D design drawings.

Specification 参数

NAME 型号	XM2308TY-10	XM2308TY-14	XM2308TY-19
SKU 商品编码	52142	52143	52144
RPM / V (KV) KV值	3000	2130	1580
Weight (g) 重量		39	
Diameter (mm) 直径		28.6	
Length (mm) 长度		21.4	
Diameter of Shaft(mm) 轴径		5, hollow	
Pitch of holes (mm) 安装孔距		16/16	
Input Connectors 输入插头		GC2.0 , 3 Pairs	
Slots & Poles 槽数, 极数		12N14P	
Io@10V(A)空载电流	2.35 @7V	1.65	0.95
Resistance(Ri)(mOhm) 电机内阻	28.3	38	75
No. of Cells(LiPo) 适用电池	2 ¹ ..3	2..3 ¹	3 ¹ ..4
Max. EfficiencyCurrent(A) 效率电流	25	20	16
Max. Burst Current (15S)[A] 峰值电流	50	40	32
Max. Power(15S)[W] 峰值功率	400	480	384
Torque (mNM) 扭矩	227	256	276
Recommended ESC 推荐调速器	XC4018BA 15° (Middle)	XC4018BA 15° (Middle)	XC4018BA 15° (Middle)
Propeller 螺旋桨	2S ¹ : 7x5, 8x4, 8x5 ² , 7x4 (3-Blade) 3S: 5x5, 6x3, 6x4, 6x3 (3-Blade)	2S: 9x4, 9x5, 9x6, 8x4 (3-Blade) 3S ¹ : 7x4, 7.5x5, 8x4, 7x4 (3-Blade)	3S ¹ : 9x4, 9x5, 9x6 ² , 8x4 (3-Blade) 4S: 7x4, 7x5, 8x4, 7x4 (3-Blade)
Applications 适用级别	F5K, eRES(F5L), ASFC P5B, FPV wings		

注: ¹ Suggested working voltage(NOC) 建议工作电压(串联节数)

² Good throttle management needed 可在有效控制油门的情况下使用

7.4V

XM2308TY-10 (3000KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



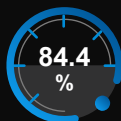
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

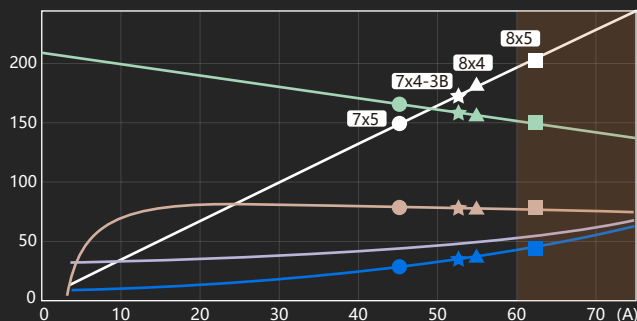
EL.POWER 电功率 [IN 2W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 2W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
7x5							
	9600	50	7.8	56.1	82.8	425	7.6
	10800	57	11	79.3	83.4	538	6.8
	13200	73	20.5	144.5	83.5	804	5.6
	14400	81	27	188.1	83.3	957	5.1
	15600	90	34.9	240.1	82.9	1123	4.7
	16848	100	45.5	307.6	81.9	1310	4.3
8x4							
	9600	52	10.7	76.9	82.4	508	6.6
	10800	60	15.4	109.5	82.4	643	5.9
	12000	68	21.5	150.8	82	794	5.3
	13200	77	29.1	201.9	81.6	960	4.8
	14400	87	38.8	264.1	80.9	1143	4.3
	15892	100	54.8	363.1	79.6	1392	3.8
8x5							
	8800	49	10.5	74.9	81.5	533	7.1
	9900	56	15.1	106.9	81.2	675	6.3
	12100	72	28.6	197.8	80.1	1009	5.1
	13200	81	38.1	259.2	79.4	1200	4.6
	14300	91	49.9	332.9	78.6	1409	4.2
	15153	100	62	404.4	77.4	1582	3.9
7x4 (3-Blade)							
	10400	52	10.3	78.6	83.1	509	6.5
	11700	60	14.8	111.7	83.2	645	5.8
	13000	68	20.5	153.6	83	796	5.2
	14300	77	27.8	205.3	82.7	963	4.7
	15600	86	36.8	268.1	82.2	1146	4.3
	17352	100	53.2	377.2	80.8	1418	3.8

7.4V
(2S LIPO)

11.1V

XM2308TY-10 (3000KV)

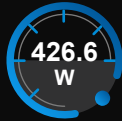
Motor @ Optimum Efficiency 优化效率点



Current
电流



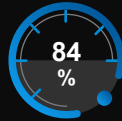
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

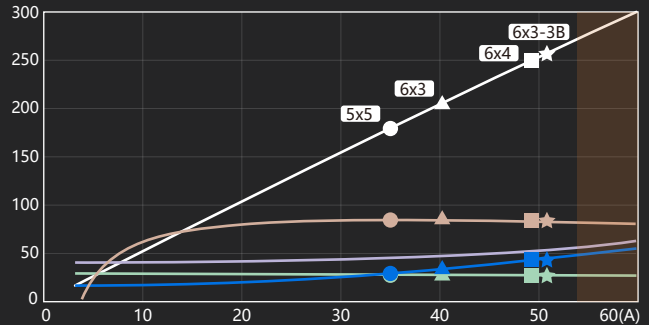
EL.POWER 电功率 [IN 2W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 1000RPM]

WASTE POWER
损耗功率 [IN 2W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
11.1V (3S LIPO)				5x5			
	16800	55	7.3	79.4	81.5	475	6
	18900	63	10.3	111.5	82.7	601	5.4
	21000	71	14.1	151.5	83.5	742	4.9
	23100	79	18.7	200.5	83.9	897	4.5
	25200	87	24.5	259.5	84.2	1068	4.1
	28152	100	34.9	363.2	83.5	1333	3.7
				6x3			
	16800	56	8.9	96.8	83.2	492	5.1
	18900	64	12.6	136.5	84	623	4.6
	21000	72	17.4	186.1	84.5	769	4.1
	23100	81	23.3	247	84.8	930	3.8
25200	90	30.6	320.4	84.8	1107	3.5	
27463	100	40.7	419	83.9	1315	3.1	
			6x4				
16000	54	10.2	110.1	84.3	595	5.4	
18000	62	14.5	155.8	84.8	753	4.8	
20000	70	20	213.2	85	930	4.4	
22000	79	27	283.7	85	1125	4	
24000	88	35.6	368.9	84.9	1339	3.6	
26424	100	49.4	500.5	83.8	1623	3.2	
			6x3 (3-Blade)				
16000	55	10.5	114.1	84.4	569	5	
18000	62	15	161.5	84.8	721	4.5	
20000	71	20.8	221.1	85	890	4	
22000	79	28	294.4	85	1076	3.7	
24000	88	37	382.9	84.8	1281	3.3	
26280	100	50.6	511.5	83.7	1536	3	

7.4V

XM2308TY-14 (2130KV)

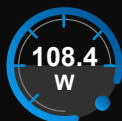
Motor @ Optimum Efficiency 优化效率点



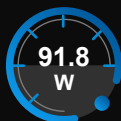
Current
电流



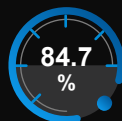
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

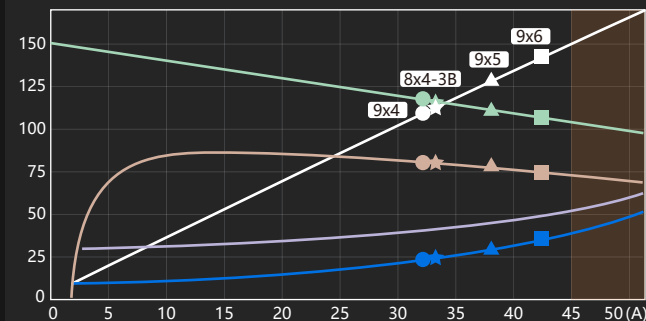
EL.POWER 电功率 [IN 2W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 2W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)	
7.4V (2S LIPO)	9x4							
		7200	55	7.3	52.6	81.4	407	7.7
		8100	63	10.4	74.8	81.4	515	6.9
		9000	71	14.4	103	81.2	636	6.2
		9900	80	19.4	137.9	80.7	769	5.6
		10800	90	25.7	180.4	80.1	915	5.1
		11701	100	33.7	233	79.1	1074	4.6
	9x5							
		6400	49	6.5	46.8	80.3	402	8.6
		7200	57	9.2	66.6	80.3	508	7.6
		8800	73	17.3	123.1	79.4	760	6.2
		9600	81	22.9	161.2	78.7	904	5.6
		10400	90	29.7	207	77.9	1061	5.1
		11199	100	38.4	263.1	76.8	1230	4.7
	9x6							
		6400	51	7.9	56.9	79.3	482	8.5
	7200	59	11.4	81.4	78.8	610	7.5	
	8000	67	15.8	112.7	78.2	753	6.7	
	8800	76	21.5	151.6	77.3	911	6	
	9600	85	28.6	199.2	76.4	1085	5.4	
	10767	100	42.4	288.5	74.7	1364	4.7	
8x4 (3-Blade)								
	7200	51	5.9	45.2	81.8	364	8.1	
	8100	58	8.3	64.1	82.1	461	7.2	
	9900	74	15.5	117.4	81.9	689	5.9	
	10800	82	20.4	153.2	81.4	820	5.4	
	11700	91	26.3	196	80.9	962	4.9	
	12606	100	33.8	248.8	80	1117	4.5	

11.1V

XM2308TY-14 (2130KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



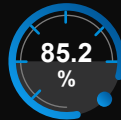
Revolutions
转速



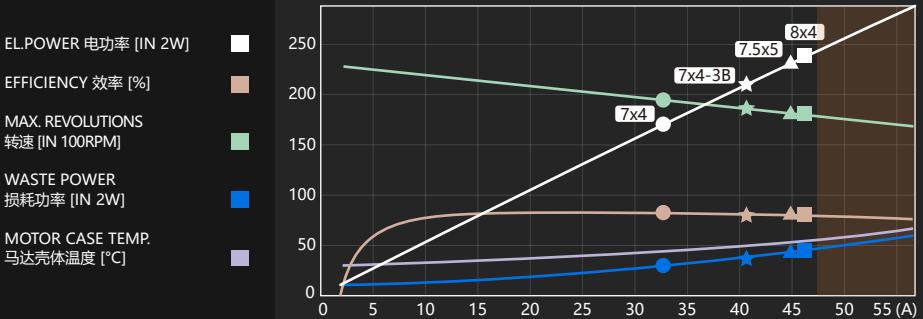
electric Power
电功率



mech. Power
机械功率



Efficiency
效率



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
11.1V (3S LIPO)	7x4						
	11200	54	6.4	70	84.2	463	6.6
	12600	61	9.1	99	84.8	586	5.9
	14000	69	12.5	135.4	85.1	724	5.3
	15400	77	16.8	180.1	85.1	876	4.9
	16800	85	22	234.3	84.9	1042	4.4
	19030	100	33.1	345.8	83.9	1337	3.9
	7.5x5						
	10400	52	8.6	93	83.6	614	6.6
	11700	60	12.3	132.6	83.5	777	5.9
	13000	68	17.1	182.6	83.2	959	5.3
	14300	76	23.1	244.4	82.7	1161	4.7
	15600	85	30.5	319.7	82.1	1381	4.3
	17547	100	45.7	465.9	80.6	1748	3.8
	8x4						
	10400	52	8.9	96.5	83.5	596	6.2
	11700	60	12.8	137.6	83.3	754	5.5
	13000	68	17.7	189.6	82.9	931	4.9
	14300	77	24	254	82.4	1127	4.4
15600	86	31.8	332.4	81.8	1341	4	
17432	100	46.6	475	80.2	1675	3.5	
7x4 (3-Blade)							
10400	51	7.1	77.8	84	509	6.6	
11700	58	10.2	110.4	84.2	645	5.8	
14300	74	18.9	202.4	83.9	963	4.8	
15600	82	25	264	83.5	1146	4.3	
16900	91	32.3	337.6	83	1345	4	
18100	100	41	421.9	82	1543	3.7	

11.1V

XM2308TY-19 (1580KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



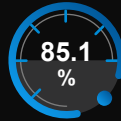
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

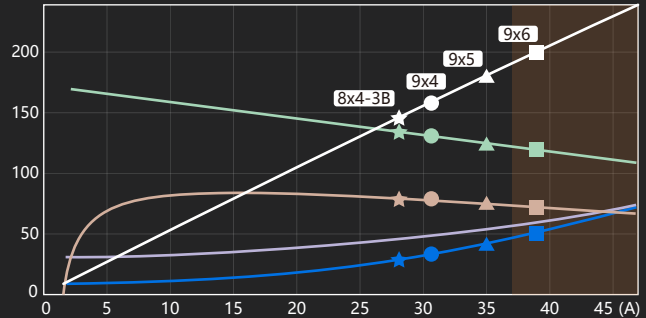
EL.POWER 电功率 [IN 2W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 2W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
11.1V (3S LIPO)	9x4						
	8000	55	6.5	71.1	82.6	502	7.1
	9000	63	9.4	101.7	82.2	636	6.3
	10000	71	13	140.5	81.6	785	5.6
	11000	80	17.6	188.6	80.9	949	5
	12000	89	23.3	247.3	80.1	1130	4.6
	13036	100	30.9	324	78.8	1333	4.1
	9x5						
	7200	50	6	65.7	81.5	508	7.7
	8100	58	8.6	94.1	81	643	6.8
	9900	73	16.3	175	79.5	961	5.5
	10800	82	21.6	229.8	78.6	1144	5
	11700	91	28.1	295.7	77.6	1343	4.5
	12478	100	35.2	366.5	76.3	1527	4.2
9x6							
7200	52	7.4	80.2	80.1	610	7.6	
8100	59	10.7	115.4	79.2	772	6.7	
9000	68	14.9	160.2	78.3	953	5.9	
9900	77	20.3	216.2	77.2	1153	5.3	
10800	86	27	284.8	76.1	1373	4.8	
11997	100	38.9	402.6	74.1	1694	4.2	
8x4 (3-Blade)							
8000	54	5.6	60.9	83.2	450	7.4	
9000	62	8	86.8	83.1	569	6.6	
10000	70	11	119.6	82.8	703	5.9	
11000	78	14.9	160.2	82.3	850	5.3	
12000	87	19.6	209.6	81.6	1012	4.8	
13382	100	28.2	297.3	80.2	1259	4.2	

14.8V

XM2308TY-19 (1580KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



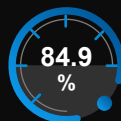
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

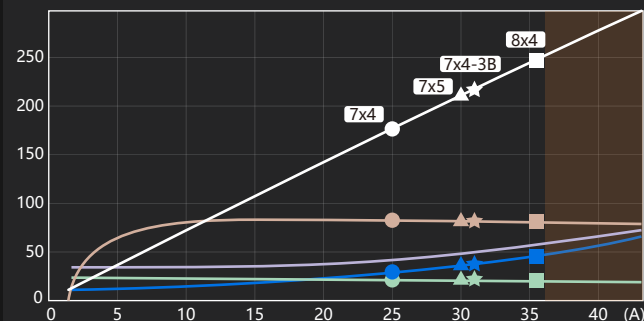
EL.POWER 电功率 [IN 2W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 1000RPM]

WASTE POWER
损耗功率 [IN 2W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
7x4							
11200	54	54	4.7	69.4	84.9	463	6.7
12600	61	61	6.7	98.3	85.4	586	6
14000	69	69	9.3	134.6	85.5	724	5.4
15400	77	77	12.4	179.3	85.5	876	4.9
16800	85	85	16.2	233.4	85.3	1042	4.5
19230	100	100	25.2	356.5	84	1365	3.8
7x5							
11200	55	55	5.9	86.6	85.1	579	6.7
12600	63	63	8.5	123.2	85.1	733	5.9
14000	71	71	11.7	169.4	85	904	5.3
15400	79	79	15.7	226.3	84.7	1094	4.8
16800	88	88	20.7	295.2	84.2	1302	4.4
18655	100	100	29.4	412.8	82.9	1606	3.9
8x4							
10400	52	52	6.5	95.5	84.3	596	6.2
11700	60	60	9.4	136.3	84.1	754	5.5
13000	67	67	13	187.9	83.7	931	5
15600	84	84	23.2	329.6	82.5	1341	4.1
16900	93	93	30.1	422.6	81.8	1574	3.7
17750	100	100	35.9	499.6	80.6	1736	3.5
7x4 (3-Blade)							
11200	55	55	6.6	96	84.9	591	6.2
12600	63	63	9.4	136.8	84.8	748	5.5
14000	71	71	13.1	188.4	84.5	923	4.9
15400	80	80	17.6	252	84.1	1117	4.4
16800	89	89	23.2	329.3	83.6	1329	4
18373	100	100	31.4	440	82.2	1589	3.6

14.8V
(4S LIPO)