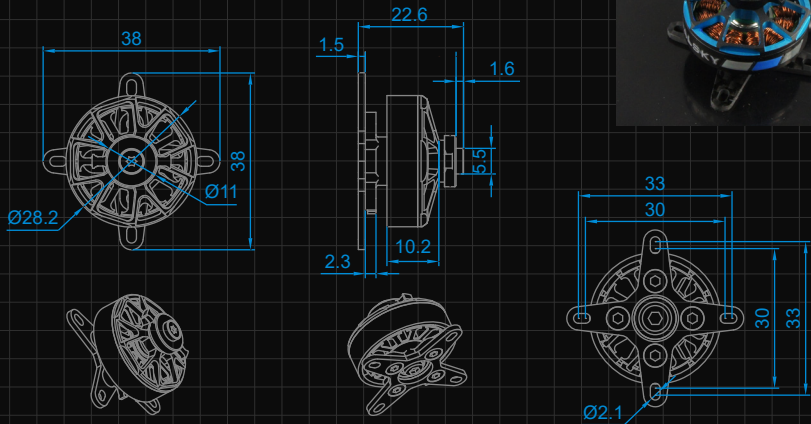


## Dimension 尺寸图



\* Please ask us for 3D design drawings.

## Specification 参数

NAME 型号	XM2304TY-26	XM2304TY-32	XM2304TY-38
SKU 商品编码	52133	52134	52135
RPM / V (KV) KV值	2300	1900	1600
Weight (g) 重量		24.7	
Diameter (mm) 直径		28.2	
Length (mm) 长度		22.6	
Diameter of Shaft(mm) 轴径		4, hollow	
Pitch of holes (mm) 安装孔距		16/16,30/33 w/ motor mount	
Input Connectors 输入插头		GC2.0 , 3 Pairs	
Slots & Poles 槽数, 极数		12N14P	
Io@10V(A)空载电流	0.80 @7V	0.73	0.55
Resistance(Ri)(mOhm) 电机内阻	72.8	106	151
No. of Cells(LiPo) 适用电池	2'..3	2'..3	2'..3 <sup>1</sup>
Max. EfficiencyCurrent(A) 效率电流	11.5	9.5	8.2
Max. Burst Current (15S)[A] 峰值电流	23	19	16.3
Max. Power(15S)[W] 峰值功率	184	152	196
Torque (mNM) 扭矩	136	136	139
Recommended ESC 推荐调速器	XC-22-Lite 15° (Middle)	XC-22-Lite 15° (Middle)	XC-22-Lite 15° (Middle)
Propeller 螺旋桨	2S <sup>1</sup> : 8x4, 8x5, 9x4 <sup>2</sup> , 8x4 (3-Blade) 3S: 5x5, 6x3, 6x4, 6x3 (3-Blade)	2S <sup>1</sup> : 9x4, 9x5, 9x6, 8x4 (3-Blade) 3S: 6x5, 7x3, 7x4, 7x4 (3-Blade) <sup>2</sup>	2S: 9x5, 9x6, 10x5 9x5 (3-Blade) 3S <sup>1</sup> : 7x5, 8x4, 8x4.3, 7x4 (3-Blade)
Applications 适用级别	Micro Speed	Indoor F3P, freestyle	Indoor F3P, freestyle

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

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

# 7.4V

# XM2304TY-26 (2300KV)

Motor @ Optimum Efficiency 优化效率点



Current  
电流



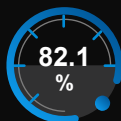
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

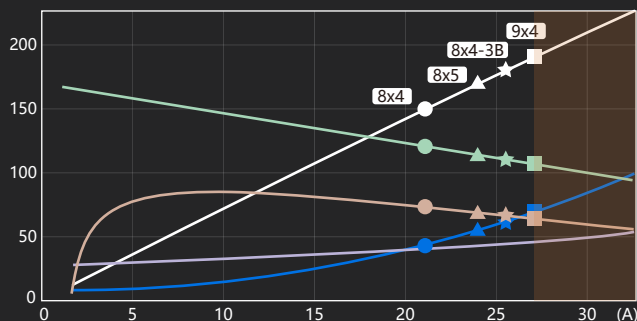
EL.POWER 电功率 [IN 1W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS  
转速 [IN 100RPM]

WASTE POWER  
损耗功率 [IN 1W]

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)	<b>8x4</b>							
		7200	55	4.8	34.7	77	286	8.2
		8000	62	6.7	48	76.4	353	7.3
		8800	70	9	64.6	75.5	427	6.6
		9600	78	11.9	84.9	74.6	508	6
		10400	87	15.5	109.4	73.6	596	5.5
		11491	100	21.8	152.5	71.7	728	4.8
	<b>8x5</b>							
		6400	50	4.3	31.1	75.5	282	9.1
		7200	58	6.2	44.7	74.7	357	8
		8800	74	11.9	84.2	72.4	533	6.3
		9600	84	15.8	111.1	71.2	635	5.7
		10400	93	20.6	143.8	70	745	5.2
		10893	100	24.4	169.4	68.7	817	4.8
<b>9x4</b>								
	6300	52	5.5	39.4	72.7	311	7.9	
	7000	59	7.7	55	71.6	384	7	
	7700	67	10.5	74.4	70.3	465	6.2	
	8400	75	14	98.5	69	554	5.6	
	9100	84	18.3	127.6	67.7	650	5.1	
	10210	100	27.4	188.5	65.2	818	4.3	
<b>8x4 (3-Blade)</b>								
	6400	51	4.8	34.9	74.4	288	8.3	
	7200	59	7	50.4	73.3	364	7.2	
	8000	68	9.9	70.3	72.1	450	6.4	
	8800	77	13.5	95.3	70.8	544	5.7	
	9600	86	18	126	69.5	648	5.1	
	10616	100	25.7	177.2	67.3	792	4.5	

# 11.1V

# XM2304TY-26 (2300KV)

Motor @ Optimum Efficiency 优化效率点



Current  
电流



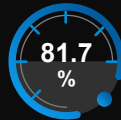
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

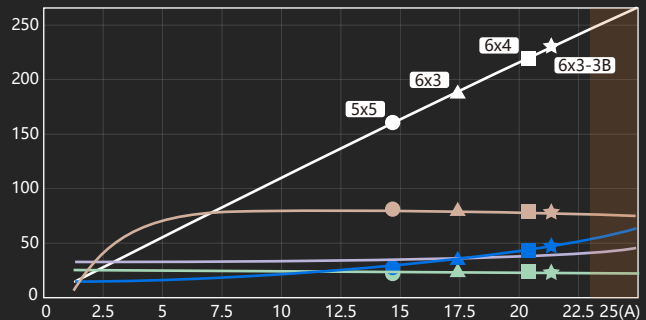
EL.POWER 电功率 [IN 1W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS  
转速 [IN 1000RPM]

WASTE POWER  
损耗功率 [IN 1W]

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)				<b>5x5</b>			
	11200	49	2.2	23.8	80.6	211	8.9
	12800	57	3.2	35	81.9	276	7.9
	16000	72	6.2	67.5	82.9	431	6.4
	17600	81	8.3	89.7	83	521	5.8
	19200	89	10.8	116.6	82.9	620	5.3
	21173	100	14.8	159.3	81.6	754	4.7
				<b>6x3</b>			
	12000	54	3.3	35.7	82.2	251	7
	13500	61	4.6	50.5	82.7	318	6.3
	15000	69	6.4	69.2	82.8	392	5.7
	16500	77	8.5	92.2	82.8	475	5.1
	19500	93	14.3	153.1	82.3	663	4.3
	20590	100	17.3	184.1	80.9	739	4
			<b>6x4</b>				
12000	55	4.4	47.6	82.3	335	7	
13500	63	6.2	67.7	82.3	424	6.3	
15000	71	8.6	93.2	82	523	5.6	
16500	80	11.6	124.7	81.6	633	5.1	
18000	89	15.2	163	81.1	753	4.6	
19722	100	20.8	220.6	79.3	904	4.1	
			<b>6x3 (3-Blade)</b>				
12000	56	4.5	49.4	82.2	320	6.5	
13500	64	6.5	70.4	82.2	405	5.8	
15000	72	9	96.9	81.8	500	5.2	
16500	80	12.1	129.7	81.4	605	4.7	
18000	90	15.9	169.6	80.8	721	4.2	
19603	100	21.3	225.5	79.1	855	3.8	

# 7.4V

# XM2304TY-32 (1900KV)

Motor @ Optimum Efficiency 优化效率点



Current  
电流



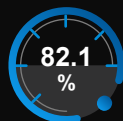
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

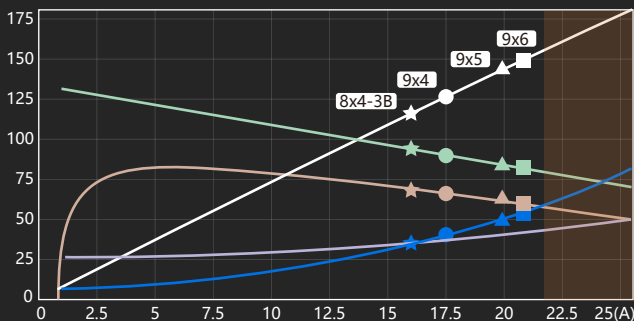
EL.POWER 电功率 [IN 1W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS  
转速 [IN 100RPM]

WASTE POWER  
损耗功率 [IN 1W]

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)
<b>9x4</b>							
	5400	51	3.4	24.5	73.8	229	9.4
	6000	58	4.7	33.9	73.1	282	8.3
	7200	74	8.4	60.1	71.2	407	6.8
	7800	82	10.9	77.6	70.2	477	6.2
	8400	90	13.8	98.4	69.1	554	5.6
	9024	100	17.7	125.2	67.6	639	5.1
<b>9x5</b>							
	5400	54	4.4	31.7	71.2	286	9
	6000	62	6.1	44.2	70	353	8
	6600	70	8.4	59.9	68.8	427	7.1
	7200	79	11.1	79.3	67.5	508	6.4
	7800	88	14.5	102.8	66.2	597	5.8
	8517	100	19.7	138.2	64.3	711	5.1
<b>9x6</b>							
	4800	49	3.8	27.3	69.8	271	9.9
	5400	57	5.5	39.6	68.5	343	8.7
	6000	66	7.7	55.4	67	424	7.6
	6600	75	10.6	75.4	65.5	513	6.8
	7200	84	14.2	100.3	64	610	6.1
	8096	100	21.3	148.9	61.5	771	5.2
<b>8x4 (3-Blade)</b>							
	5600	52	3.2	23.2	75.1	220	9.5
	6300	60	4.6	33.3	74.5	279	8.4
	7000	68	6.4	46.1	73.6	344	7.5
	7700	77	8.7	62.3	72.6	417	6.7
	8400	86	11.5	82.1	71.5	496	6
	9351	100	16.5	116.7	69.6	615	5.3

7.4V  
(2S LIPO)

# 11.1V

# XM2304TY-32 (1900KV)

Motor @ Optimum Efficiency 优化效率点



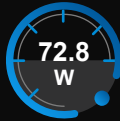
Current  
电流



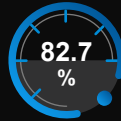
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

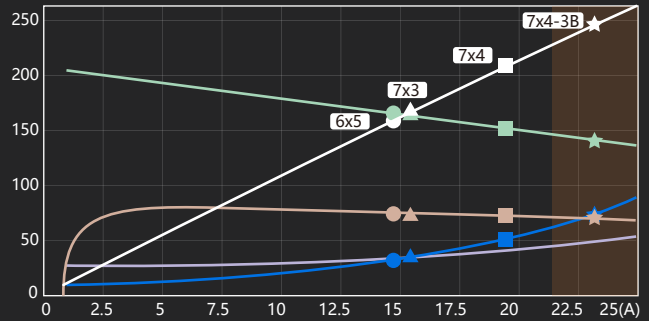
EL.POWER 电功率 [IN 1W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS  
转速 [IN 100RPM]

WASTE POWER  
损耗功率 [IN 1W]

MOTOR CASE TEMP.  
马达壳体温度 [°C]



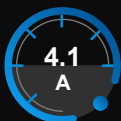
Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
				<b>6x5</b>			
	9600	53	2.8	30.8	81.5	268	8.7
	10800	61	4	43.6	81.8	339	7.8
	12000	69	5.5	59.9	81.7	418	7
	13200	77	7.3	79.9	81.5	506	6.3
	14400	85	9.6	104.3	81.1	603	5.8
	16446	100	14.8	159.3	79.4	786	4.9
				<b>7x3</b>			
	9600	54	3.1	34.3	81.3	255	7.4
	10800	62	4.5	48.7	81.4	323	6.6
	12000	70	6.2	67	81.2	399	6
	13200	78	8.3	89.6	80.7	482	5.4
	14400	86	10.8	117.2	80.2	574	4.9
	16164	100	15.9	170.1	78.6	723	4.3
				<b>7x4</b>			
	8800	51	3.3	35.7	80.1	286	8
	9900	58	4.7	50.9	79.9	362	7.1
	11000	66	6.5	70.3	79.4	447	6.4
	13200	82	11.5	123.7	78	643	5.2
	14300	91	14.8	158.9	77.2	755	4.7
	15341	100	18.9	201.3	75.7	869	4.3
				<b>7x4 (3-Blade)</b>			
	8800	54	4.7	50.8	77.8	365	7.2
	9900	62	6.7	73.2	77	461	6.3
	11000	70	9.4	101.7	75.9	570	5.6
	12100	80	12.8	137.4	74.8	689	5
	13200	89	17	181.2	73.7	820	4.5
	14326	100	22.7	239.1	71.8	966	4

11.1V  
(3S LIPO)

# 7.4V

# XM2304TY-38 (1600KV)

Motor @ Optimum Efficiency 优化效率点



Current  
电流



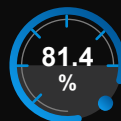
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

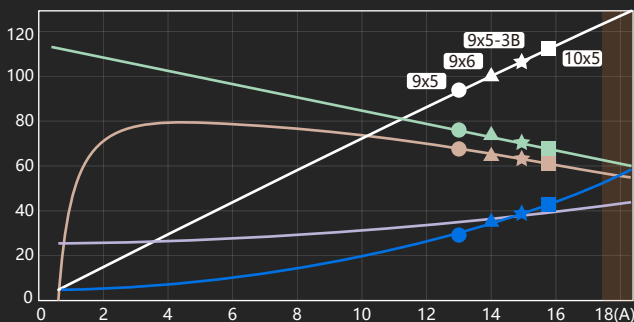
EL.POWER 电功率 [IN 1W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS  
转速 [IN 100RPM]

WASTE POWER  
损耗功率 [IN 1W]

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)
<b>9x5</b>							
4500	51	51	2.5	18	72.6	199	11
5000	58	58	3.4	24.9	71.9	245	9.8
6000	73	73	6.1	44.2	70	353	8
6500	81	81	7.9	57.1	69	414	7.3
7000	90	90	10.1	72.5	67.9	481	6.6
7558	100	100	13.1	93.7	66.3	560	6
<b>9x6</b>							
4500	53	53	3.1	22.3	70.4	238	10.7
5000	61	61	4.3	31	69.4	294	9.5
5500	69	69	5.8	41.9	68.2	356	8.5
6000	78	78	7.7	55.5	67	424	7.6
6500	86	86	10	71.9	65.7	497	6.9
7209	100	100	14.3	101.8	63.6	612	6
<b>10x5</b>							
4000	49	49	2.8	20.5	68.2	215	10.5
4500	57	57	4.1	29.8	66.9	272	9.2
5000	66	66	5.8	41.7	65.5	336	8.1
5500	75	75	7.9	56.8	63.9	407	7.2
6000	84	84	10.6	75.6	62.4	484	6.4
6745	100	100	15.8	112.3	59.9	612	5.4
<b>9x5 (3-Blade)</b>							
4500	56	56	3.6	26.4	68.4	253	9.6
5000	64	64	5.1	36.9	67.1	313	8.5
5500	72	72	7	50.2	65.8	378	7.5
6000	81	81	9.3	66.6	64.3	450	6.8
6500	91	91	12.1	86.5	62.9	529	6.1
6934	100	100	15.2	108	61.4	601	5.6

7.4V  
(2S LIPO)

# 11.1V

# XM2304TY-38 (1600KV)

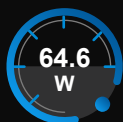
Motor @ Optimum Efficiency 优化效率点



Current  
电流



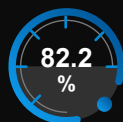
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

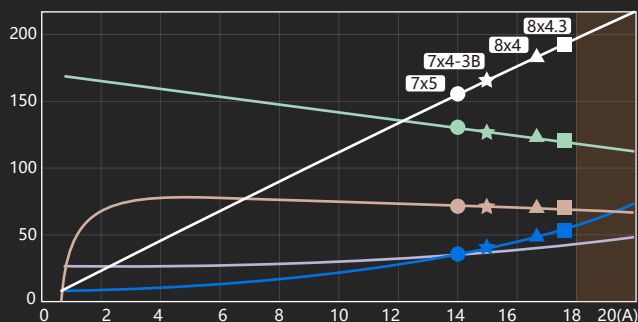
EL.POWER 电功率 [IN 1W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS  
转速 [IN 100RPM]

WASTE POWER  
损耗功率 [IN 1W]

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)
<b>7x5</b>							
	7200	49	2.3	24.7	79.1	239	9.7
	8100	57	3.2	35.3	79	303	8.6
	9900	72	6	65.3	78	452	6.9
	10800	80	7.9	85.5	77.3	538	6.3
	11700	88	10.1	109.9	76.5	632	5.7
	12891	100	14.1	151.4	74.7	767	5.1
<b>8x4</b>							
	7200	52	3.2	34.7	77	286	8.2
	8100	60	4.6	49.9	76.2	362	7.2
	9000	68	6.4	69.3	75.3	446	6.4
	9900	77	8.6	93.6	74.2	540	5.8
	10800	86	11.4	123.4	73.1	643	5.2
	12072	100	16.7	178.9	70.8	803	4.5
<b>8x4.3</b>							
	7200	53	3.4	37.6	76.3	307	8.2
	8100	61	5	54.2	75.4	389	7.2
	9000	69	6.9	75.5	74.3	480	6.4
	9900	78	9.4	102.1	73.1	581	5.7
	10800	88	12.5	134.8	71.9	691	5.1
	11873	100	17.4	185.5	69.9	835	4.5
<b>7x4 (3-Blade)</b>							
	7200	50	2.5	27.6	78.6	244	8.9
	8100	58	3.6	39.4	78.3	309	7.8
	9900	73	6.7	73.2	76.9	461	6.3
	10800	82	8.9	96.1	76	549	5.7
	11700	90	11.5	123.7	75.1	645	5.2
	12631	100	14.9	160.1	73.5	751	4.7