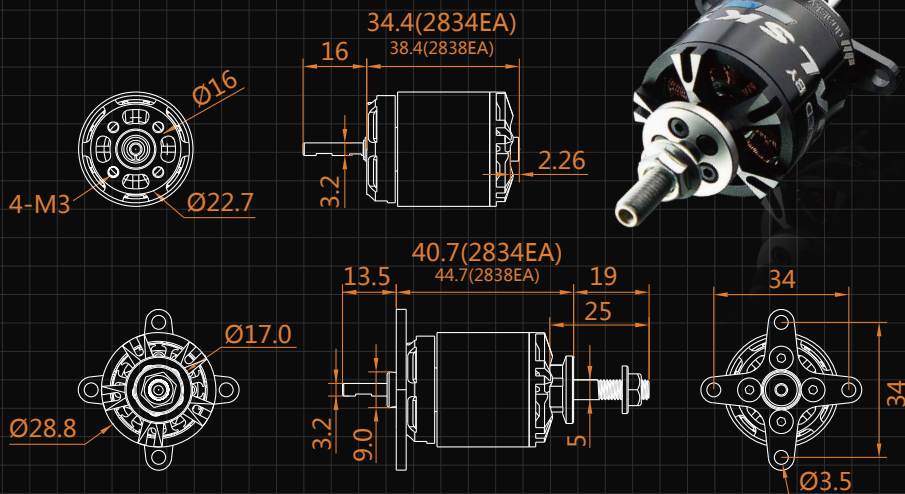


## Dimension 尺寸图



## Specification 规格

EA V3 SERIES	XM2834EA-8	XM2834EA-11	XM2834EA-13
SKU (商品编码)	51850	51851	51852
KV (KV值)	1900	1370	1160
Weight(g) (重量, 不含配件)	78	77	77
Dimensions(D x L)[mm] (尺寸)		28.8x34.4	
Diameter of Shaft (mm) (轴径)		3.175	
Spec. of Mounting Holes (安装孔距)		4-M3, 16/16	
Input Connectors (输入插头)		DB3	
Dimensions of Stator(mm) (定子尺寸)		2316	
Slots & Poles (槽数, 极数)		12N14P	
Ri(mOhm) (电机内阻)	17.5	33.5	43.0
Io@10V (A) (空载电流)	2.6	1.5	1.2
No. of Cells(LiPo) (适用电池)	2..3 <sup>1</sup>	2..3 <sup>1</sup>	2..3 <sup>1</sup>
Efficiency Current[A] (效率电流)	17.5	14.5	13.0
Burst Current (15S)[A] (峰值电流)	35	29	26
Peak Power(15S)[W] (峰值功率)	420	348	312
Peak Torque [N·M] (峰值扭矩)	0.22	0.25	0.27
Recommended ESC (推荐调速器)	XC4018BA	XC3012BA	XC3012BA
Recommended Propeller (螺旋桨)	2S: 10x5E, 10x8E <sup>2</sup> 3S <sup>1</sup> : 7x6E, 8x5E <sup>2</sup>	2S: 12x6E 3S <sup>1</sup> : 9x5E, 10x6E <sup>2</sup>	2S: 12x7E 3S <sup>1</sup> : 10x5E, 11x6E <sup>2</sup>
Application (适用级别)		15E, 480 class	

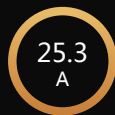
注: <sup>1</sup> Suggested working voltage(NOC) 建议工作电压(串联节数)

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

# 7.4V

# XM2834EA-8 (1900KV)

## Motor @ Optimum Efficiency 优化效率点



Current  
电流



Voltage  
电压



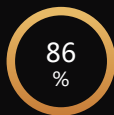
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

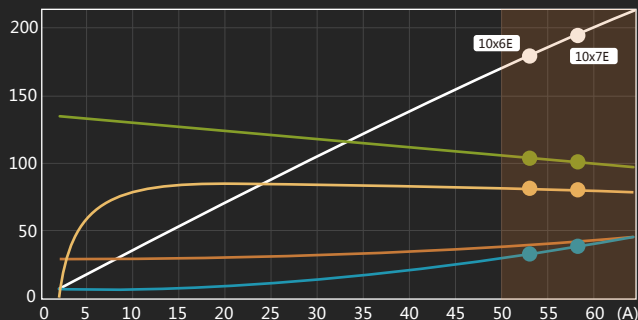
EL. POWER 电功率 [IN 2W]

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 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
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7.4V  
(2S LIPO)

10x6E								
4000	32	2.9	7.4	21.3	78	258	12.1	
4800	39	4.9	7.4	35.5	80.8	372	10.5	
5600	47	7.7	7.3	55.4	82.3	506	9.1	
6400	54	11.4	7.3	82.1	83	661	8.1	
7200	62	16.4	7.2	116.7	83.1	837	7.2	
8000	71	22.7	7.2	160.3	83	1033	6.4	
8800	80	30.8	7.1	214.3	82.6	1250	5.8	
9600	89	40.8	7	279.9	82.1	1488	5.3	
10400	100	53.2	6.9	358.5	81.5	1746	4.9	
10420	100	53.8	6.9	362.8	81.2	1753	4.8	
10x7E								
3500	28	2.3	7.4	17	76.4	231	13.6	
4200	34	3.9	7.4	28.2	79.6	332	11.8	
4900	41	6.1	7.3	43.8	81.3	452	10.3	
5600	48	9	7.3	64.8	82.1	591	9.1	
6300	54	12.9	7.3	92	82.4	748	8.1	
7000	62	17.8	7.2	126.3	82.3	923	7.3	
7700	69	24	7.2	168.7	82	1117	6.6	
8400	77	31.7	7.1	220.2	81.6	1329	6	
9100	86	41.2	7	281.9	81	1560	5.5	
9800	95	52.7	6.9	354.8	80.4	1809	5.1	
10113	100	59	6.9	393.7	79.8	1926	4.9	

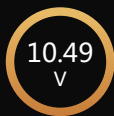
# 11.1V

# XM2834EA-8 (1900KV)

Motor @ Optimum Efficiency 优化效率点



Current  
电流



Voltage  
电压



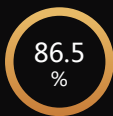
Revolutions  
转速



Electric Power  
电功率



Mech. Power  
机械功率



Efficiency  
效率

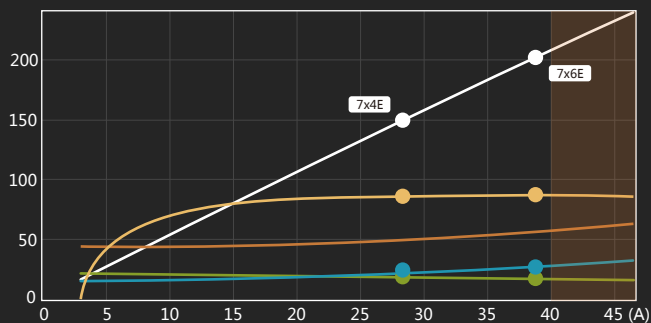
EL. POWER 电功率 [IN 2W]

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 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
<b>7x4E</b>								
5600	28		1.1	11.1	12	60.8	116	9.6
7000	35		1.9	11.1	20.5	69.4	181	8.8
8400	43		3	11.1	32.8	75.1	260	7.9
9800	50		4.5	11	49.6	78.9	355	7.2
11200	58		6.5	11	71.7	81.5	463	6.5
12600	65		9.2	11	99.9	83.2	586	5.9
14000	73		12.4	10.9	135.1	84.5	724	5.4
15400	81		16.5	10.9	178	85.3	876	4.9
16800	90		21.4	10.8	229.5	85.9	1042	4.5
18200	98		27.3	10.7	290.4	86.3	1223	4.2
18494	100		28.8	10.7	305.2	85.9	1263	4.1
<b>7x6E</b>								
6500	33		2.1	11.1	23.2	73.9	234	10.1
7800	40		3.4	11.1	37.6	78.8	337	9
9100	47		5.2	11	57.4	81.8	459	8
10400	54		7.7	11	83.7	83.8	599	7.2
11700	62		10.8	11	117.3	85.1	758	6.5
13000	69		14.8	10.9	159.4	85.9	936	5.9
14300	77		19.7	10.8	210.9	86.5	1132	5.4
15600	85		25.7	10.7	272.9	86.8	1348	4.9
16900	94		32.9	10.6	346.4	86.9	1582	4.6
17798	100		39	10.6	406.8	86.5	1754	4.3

11.1V  
(3S LIPO)

# 7.4V

# XM2834EA-11 (1370KV)

Motor @ Optimum Efficiency 优化效率点



Current  
电流



Voltage  
电压



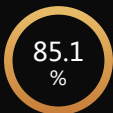
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

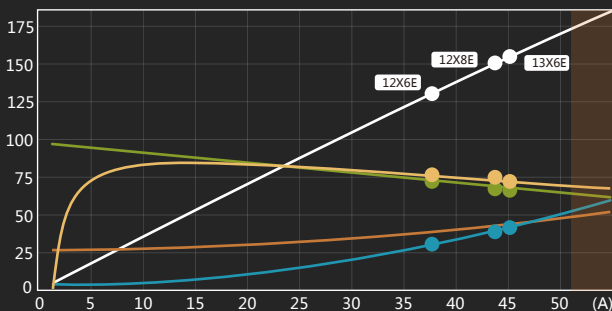
EL. POWER 电功率 [IN 2W]

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]



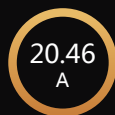
Voltage 电压 (V)	Propeller 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
<b>12X6E</b>								
4500	55		8.5	7.3	61.3	80	565	9.2
5000	62		11.7	7.3	84.4	79.7	697	8.3
5500	70		15.8	7.3	113.1	79.2	844	7.5
6000	78		20.8	7.2	148.1	78.6	1004	6.8
6500	87		27	7.2	190	77.8	1179	6.2
7000	96		34.4	7.1	239.8	77	1367	5.7
7230	100		38.5	7	267	76.4	1458	5.5
<b>12X8E</b>								
4000	50		8.1	7.3	58.8	78.2	595	10.1
4500	58		11.7	7.3	84.3	77.6	753	8.9
5000	66		16.4	7.2	116.9	76.8	930	8
5500	75		22.3	7.2	157.5	75.9	1125	7.1
6000	84		29.6	7.1	207.3	74.8	1339	6.5
6500	94		38.7	7	267.4	73.8	1572	5.9
6787	100		45.1	7	308.7	72.9	1713	5.6
<b>13X6E</b>								
4000	51		8.4	7.3	60.9	77.9	568	9.3
4500	58		12.2	7.3	87.5	77.3	718	8.2
5000	67		17	7.2	121.4	76.4	887	7.3
5500	75		23.2	7.2	163.7	75.4	1073	6.6
6000	85		30.9	7.1	215.5	74.4	1277	5.9
6500	95		40.4	7	278.2	73.2	1499	5.4
6736	100		45.9	7	313.5	72.5	1609	5.1

7.4V  
(2S LIPO)

# 11.1V

# XM2834EA-11 (1370KV)

Motor @ Optimum Efficiency 优化效率点



Current  
电流



Voltage  
电压



Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

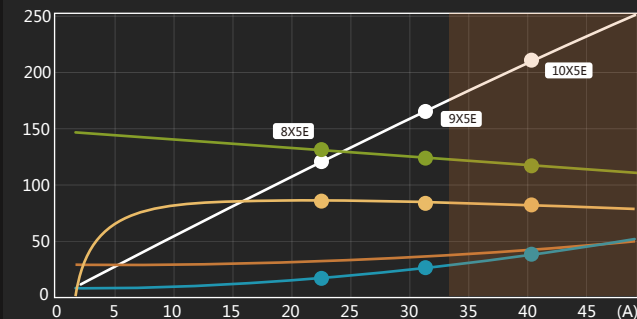
EL. POWER 电功率 [IN 2W]

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 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
11.1V (3S LIPO)	8X5E							
	7000	50	3.4	11.1	37.5	81	338	9
	8000	58	5	11	54.6	83.1	441	8.1
	9000	66	7	11	76.5	84.5	558	7.3
	10000	74	9.5	11	103.9	85.3	689	6.6
	11000	82	12.6	10.9	137.5	85.8	833	6.1
	12000	90	16.5	10.9	177.8	86.1	992	5.6
	13000	99	21	10.8	225.7	86.3	1164	5.2
	13141	100	21.8	10.8	234.5	85.9	1190	5.1
	9X5E							
	6300	46	3.9	11	42.9	82.7	389	9.1
	7200	53	5.7	11	63	84.2	508	8.1
	8100	61	8.1	11	88.8	85	643	7.2
	9000	68	11.2	10.9	121.3	85.4	794	6.6
	9900	76	14.9	10.9	161.1	85.5	961	6
	10800	84	19.5	10.8	209.3	85.5	1144	5.5
	11700	92	25	10.8	266.6	85.3	1343	5
	12476	100	30.9	10.7	326.6	84.7	1527	4.7
	10X5E							
	6300	48	5.9	11	64.6	83.7	534	8.3
	7200	55	8.8	11	96	84.2	697	7.3
	8100	63	12.6	10.9	136.6	84.2	883	6.5
	9000	72	17.5	10.9	187.9	84	1090	5.8
	9900	80	23.6	10.8	251.4	83.6	1319	5.2
10800	90	31.1	10.7	328.4	83	1569	4.8	
11700	100	40.4	10.5	420.6	82.4	1842	4.4	
11726	100	41.1	10.5	427.2	82	1850	4.3	

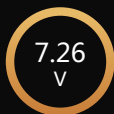
# 7.4V

# XM2834EA-13 (1160KV)

Motor @ Optimum Efficiency 优化效率点



Current  
电流



Voltage  
电压



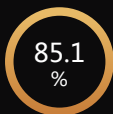
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

EL. POWER 电功率 [IN 2W]



EFFICIENCY 效率 [%]



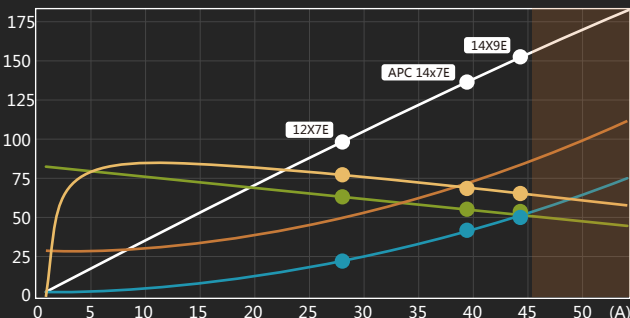
MAX. REVOLUTIONS  
转速 [IN 100RPM]



WASTE POWER  
损耗功率 [IN 2W]



MOTOR CASE TEMP.  
马达壳体温度 [°C]



Voltage 电压 (V)	Propeller 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
<b>12X7E</b>								
4000	57	57	6.9	7.3	50.1	80.3	521	10.4
4400	64	64	9.2	7.3	66.9	80.1	630	9.4
4800	71	71	12.1	7.3	87.2	79.6	750	8.6
5200	78	78	15.6	7.3	111.7	79.1	880	7.9
5600	86	86	19.7	7.2	140.6	78.5	1021	7.3
6000	94	94	24.6	7.2	174.4	77.8	1172	6.7
6287	100	100	28.8	7.1	203	77.1	1286	6.3
<b>APC 14x7E</b>								
3200	49	49	6.9	7.3	50.2	75.9	529	10.5
3600	57	57	10	7.3	72.4	75	670	9.3
4000	65	65	14.1	7.3	100.8	73.9	827	8.2
4400	74	74	19.2	7.2	136.3	72.7	1001	7.3
4800	83	83	25.5	7.2	180.1	71.5	1191	6.6
5200	93	93	33.4	7.1	233.1	70.2	1398	6
5480	100	100	40.2	7	277.6	69.2	1552	5.6
<b>14X9E</b>								
3600	61	61	13.7	7.3	97.8	71.4	861	8.8
3900	67	67	17.7	7.2	126.3	70.3	1011	8
4200	75	75	22.7	7.2	160.3	69.2	1172	7.3
4500	82	82	28.6	7.1	200.5	68	1346	6.7
4800	90	90	35.7	7.1	247.5	66.9	1531	6.2
5100	99	99	44.1	7	302	65.7	1728	5.7
5129	100	100	45.2	7	309.1	65.5	1748	5.7

7.4V  
(2S LIPO)

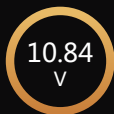
# 11.1V

# XM2834EA-13 (1160KV)

Motor @ Optimum Efficiency 优化效率点



Current  
电流



Voltage  
电压



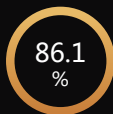
Revolutions  
转速



electric Power  
电功率



mech.Power  
机械功率



Efficiency  
效率

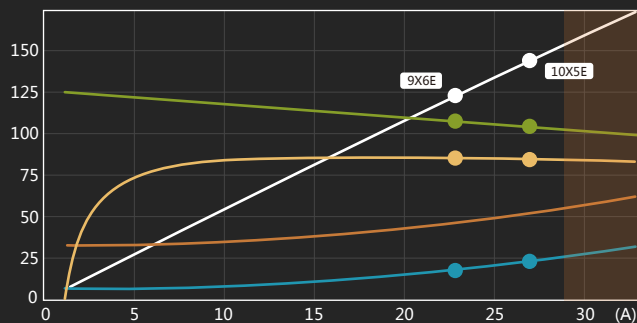
EL.POWER 电功率 [IN 2W]

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 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Volage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
<b>9X6E</b>								
11.1V (3S LIPO)	3200	27	0.7	11.1	8	70.1	121	15.1
	4000	34	1.3	11.1	14.2	76.7	188	13.2
	4800	41	2.1	11.1	23.4	80.7	271	11.6
	5600	48	3.3	11.1	36	83	369	10.2
	6400	56	4.8	11	52.9	84.4	482	9.1
	7200	63	6.8	11	74.7	85.2	610	8.2
	8000	71	9.3	11	102	85.6	753	7.4
	8800	79	12.5	10.9	135.5	85.7	911	6.7
	9600	88	16.3	10.9	176.1	85.6	1085	6.2
	10400	96	20.9	10.8	224.4	85.4	1273	5.7
10728	100	23.2	10.8	248.2	85	1355	5.5	
<b>10X5E</b>								
11.1V (3S LIPO)	3200	27	0.9	11.1	9.6	73.6	138	14.3
	4000	34	1.6	11.1	17.5	79.1	215	12.3
	4800	42	2.6	11.1	29.1	82.2	310	10.6
	5600	49	4.1	11	45.4	83.8	422	9.3
	6400	57	6.1	11	67.1	84.6	551	8.2
	7200	65	8.7	11	95.1	85	697	7.3
	8000	73	12	10.9	130.4	85	861	6.6
	8800	82	16.1	10.9	174	84.8	1042	6
	9600	91	21.1	10.8	226.8	84.4	1240	5.5
	10400	100	27.2	10.7	289.8	84	1455	5
10403	100	27.5	10.7	292.1	83.6	1456	5	