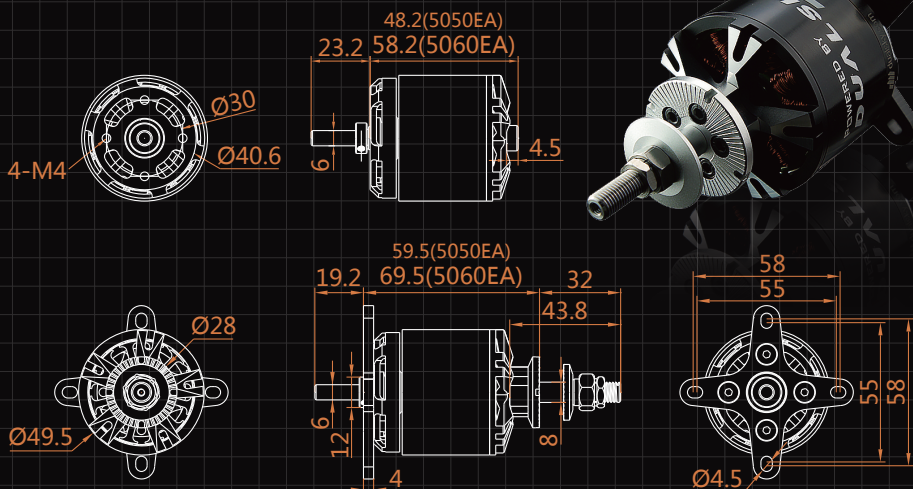


Dimension 尺寸图



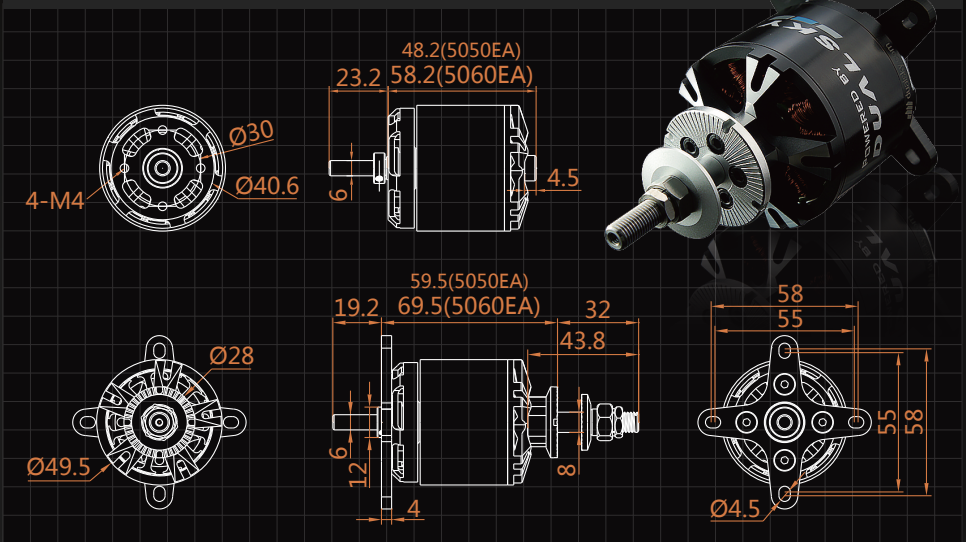
Specification 参数

NAME 型号	XM5060EA-9	XM5060EA-10	XM5060EA-12
SKU 商品编码	51865	51866	51867
RPM / V (KV) KV值	550	490	400
Weight (g) 重量	391	392	393
Dimensions(D x L)[mm] 尺寸	49.5x58.2		
Diameter of Shaft (mm) 轴径	6.0		
Spec. of Mounting Holes 安装孔距	4-M4, 30/30		
Input Connectors 输入插头	DB4		
Dimensions of Stator (mm) 定子尺寸	4130		
Slots & Poles 槽数, 极数	12N14P		
Io@10V(A)空载电流	2.1	1.8	1.4
Resistance(Ri)(mOhm) 电机内阻	12.0	14.0	18.5
No.of Cells(LiPo) 适用电池	5 ¹ .6	5..6 ¹	6 ¹
EfficiencyCurrent(A) 效率电流	50	47.5	42.5
Burst Current (15S)[A] 峰值电流	100	95	85
Peak Power(15S)[W] 峰值功率	2000	2280	2040
Peak Torque (mNm) 峰值扭矩	2.17	2.31	2.54
Recommended ESC 推荐调速器	SUMMIT 100		
Recommended Propeller 螺旋桨	5S ¹ : 16x8E, 17x10E ² 6S: 15x6, 16x8E ²	5S: 17x8E, 18x10E 6S ¹ : 15x8, 16x10E, 17x10E ²	6S: 16x12E, 17x10E, 17x12E
Applications 适用级别	90E, .75-.90 2-stroke Up to .110 4st		

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

Dimension 尺寸图



Specification 参数

NAME 型号	XM5060EA-14SE	XM5060EA-20SE
SKU 商品编码	52096	52120
RPM / V (KV) KV值	350	250
Weight (g) 重量	395	395
Dimensions(D x L)[mm] 尺寸	49.5x58.2	
Diameter of Shaft (mm) 轴径	6.0	
Spec. of Mounting Holes 安装孔距	4-M4, 30/30	
Input Connectors 输入插头	DB4	
Dimensions of Stator (mm) 定子尺寸	4130	
Slots & Poles 槽数, 极数	12N14P	
Io@10V(A)空载电流	1.1	0.64
Resistance(Ri)(mOhm) 电机内阻	23.5	44.0
No. of Cells(LiPo) 适用电池	6+, 8	10, 12 ¹
EfficiencyCurrent(A) 效率电流	40	30
Burst Current (15S)[A] 峰值电流	80	60
Peak Power(15S)[W] 峰值功率	1920	2664
Peak Torque (mNm) 峰值扭矩	2.73	2.87
Recommended ESC 推荐调速器	SUMMIT 100	SUMMIT 100HV
Recommended Propeller 螺旋桨	6S: 17x10E, 17x12E, 18x10E 8S: 15x8E, 16x10E, 17x8E	10S: 17x8E, 17x10E, 17x12E ² 12S ¹ : 15x10E, 16x8E, 16x10E ²
Applications 适用级别	90E, .75-.90 2-stroke Up to .110 4st	12S HV type for UAV

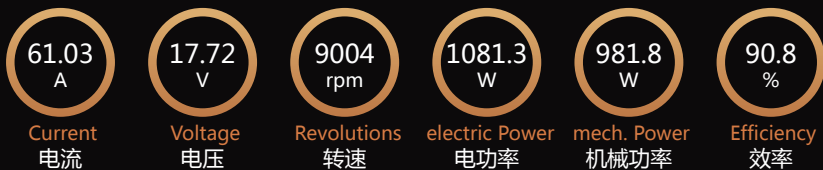
注: ¹ Suggested working voltage(NOC) 建议工作电压(串联节数)

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

18.5V

XM5060EA-9 (550KV)

Motor @ Optimum Efficiency 优化效率点



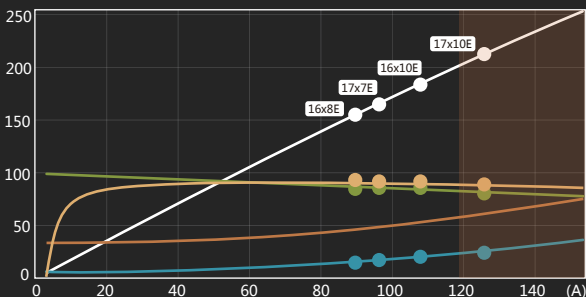
EL. POWER 电功率 [IN 10W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS 转速 [IN 100RPM]

WASTE POWER 损耗功率 [IN 10W]

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)
16x8E								
6000	66		30.1	18.2	543.3	90.2	3174	5.8
6600	73		40.3	18.1	721.9	90.4	3841	5.3
7200	81		52.8	17.9	937.1	90.4	4571	4.9
7800	89		67.8	17.8	1192.7	90.3	5364	4.5
8400	98		85.8	17.6	1492.2	90.1	6221	4.2
8568	100		91.7	17.5	1589.4	89.9	6472	4.1
16x10E								
5400	60		27.6	18.2	497.1	89.9	3214	6.5
6000	67		38	18.1	681.2	90	3968	5.8
6600	75		51.1	18	907.3	89.9	4801	5.3
7200	83		67.2	17.8	1180.2	89.7	5713	4.8
7800	92		86.7	17.6	1504.8	89.5	6705	4.5
8336	100		108	17.4	1849.3	89	7659	4.1
17x7E								
6000	66		33.7	18.1	606.4	90.2	3331	5.5
6600	74		45.2	18	806.7	90.2	4031	5
7200	82		59.3	17.9	1048.2	90.1	4797	4.6
7800	90		76.4	17.7	1335.3	90	5630	4.2
8400	99		96.9	17.5	1672	89.7	6529	3.9
8458	100		99.5	17.5	1713.3	89.5	6620	3.9
17x10E								
4800	53		24.8	18.2	447.6	89.3	3046	6.8
5400	61		35.6	18.1	637.1	89.4	3855	6.1
6000	69		49.3	18	875.6	89.2	4759	5.4
6600	77		66.7	17.8	1169.3	88.9	5758	4.9
7200	86		88.1	17.6	1524.8	88.5	6853	4.5
7800	96		114.5	17.3	1948.4	88.1	8043	4.1
8053	100		128	17.2	2157.7	87.7	8574	4

18.5V (5S LIPO)

22.2V

XM5060EA-9 (550KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



Voltage
电压



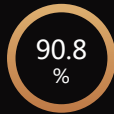
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

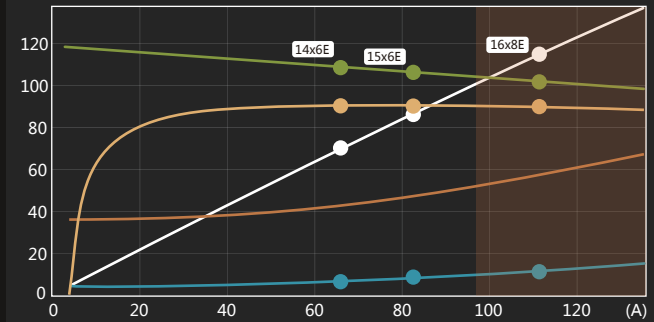
EL. POWER 电功率 [IN 20W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 20W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



22.2V (6S LIPO)	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)
						14x6E			
	5600	49		9.2	22.1	202.4	86.6	1389	6.9
	6400	56		13.5	22	296.5	88.2	1815	6.1
	7200	64		19.1	22	417	89.3	2297	5.5
	8000	71		26.1	21.9	567.5	90	2835	5
	8800	79		34.7	21.8	751.5	90.5	3431	4.6
	9600	87		45.3	21.6	972.6	90.8	4083	4.2
	10400	95		57.9	21.5	1234.4	90.9	4791	3.9
	10835	100		65.9	21.4	1397.7	90.8	5201	3.7
						15x6E			
	5600	49		11.9	22	261.2	88.4	1709	6.5
	6400	57		17.6	22	384.7	89.6	2232	5.8
	7200	65		25	21.9	543.5	90.3	2825	5.2
	8000	72		34.3	21.8	742.2	90.7	3487	4.7
	8800	81		45.9	21.6	985.5	90.9	4219	4.3
	9600	89		60.1	21.4	1278.3	91	5022	3.9
	10400	98		77.3	21.2	1625.6	91	5893	3.6
	10588	100		82	21.2	1720.5	90.8	6108	3.6
						16x8E			
	5600	50		17.7	22	388.1	89.9	2419	6.2
	6300	57		25.2	21.9	549.6	90.4	3062	5.6
	7000	64		34.7	21.8	752.1	90.6	3780	5
	7700	71		46.6	21.6	1000.5	90.6	4574	4.6
	8400	79		61.1	21.4	1300	90.5	5444	4.2
	9100	87		78.6	21.2	1655.7	90.4	6389	3.9
	9800	95		99.7	20.9	2073	90.2	7409	3.6
	10168	100		112.9	20.8	2328.6	89.8	7977	3.4

18.5V

XM5060EA-10 (490KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



Voltage
电压



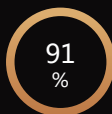
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

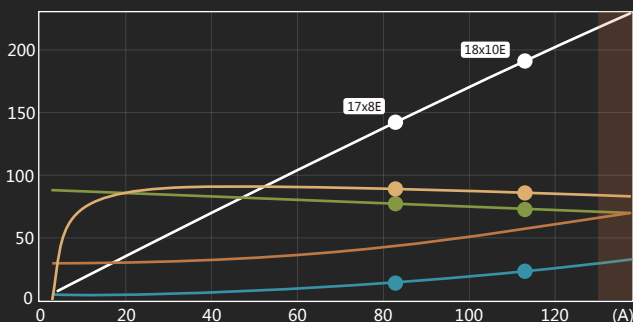
EL. POWER 电功率 [IN 10W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 10W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



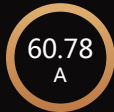
Voltage 电压 (V)	Propeller 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
17x8E								
4500	55	16.2	18.3	294.3	89.6	2142	7.3	
5000	61	22.1	18.3	401.6	90	2644	6.6	
5500	68	29.5	18.2	533.1	90.3	3199	6	
6000	75	38.5	18.1	691.4	90.4	3807	5.5	
6500	82	49.4	18	879.4	90.3	4468	5.1	
7000	90	62.2	17.8	1099.8	90.2	5182	4.7	
7500	97	77.4	17.7	1355.3	90	5949	4.4	
7654	100	82.9	17.6	1445.6	89.8	6196	4.3	
18x10E								
3500	43	12.1	18.4	219.9	88.6	1922	8.7	
4000	50	18	18.3	326.4	89.1	2511	7.7	
4500	57	25.7	18.2	463.9	89.3	3178	6.8	
5000	64	35.5	18.1	636.9	89.2	3923	6.2	
5500	71	47.8	18	849.9	89	4747	5.6	
6000	79	62.9	17.8	1107.5	88.6	5649	5.1	
6500	87	81.3	17.6	1414.4	88.2	6630	4.7	
7000	96	103.5	17.4	1775.4	87.8	7689	4.3	
7216	100	114.8	17.3	1955.2	87.5	8170	4.2	

18.5V
(5S LIPO)

22.2V

XM5060EA-10 (490KV)

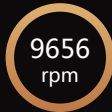
Motor @ Optimum Efficiency 优化效率点



Current
电流



Voltage
电压



Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

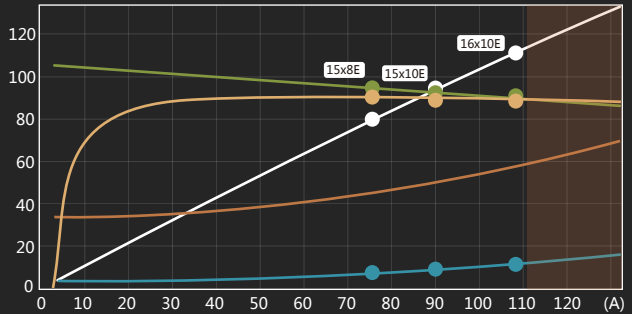
EL. POWER 电功率 [IN 20W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 20W]

MOTOR CASE TEMP.
马达壳体温度 [°C]

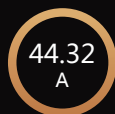


Voltage 电压 (V)	Propeller 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
22.2V (6S LIPO)	15x8E							
	4900	49	10.6	22.1	232.5	88.7	1744	7.5
	5600	56	15.7	22	342.7	89.9	2278	6.6
	6300	63	22.2	21.9	484.3	90.5	2883	6
	7000	71	30.5	21.8	661.6	90.9	3560	5.4
	7700	79	40.8	21.7	878.8	91.1	4307	4.9
	8400	87	53.4	21.5	1140.3	91.1	5126	4.5
	9100	96	68.5	21.3	1450.5	91.1	6016	4.1
	9421	100	76.7	21.2	1615	90.9	6448	4
	15x10E							
	4900	49	13.1	22	287.9	89.5	2180	7.6
	5600	57	19.5	22	426.2	90.3	2848	6.7
	6300	64	27.9	21.8	604.2	90.7	3604	6
	7000	72	38.4	21.7	827.5	90.8	4450	5.4
	7700	81	51.6	21.6	1101.5	90.8	5384	4.9
	8400	89	67.7	21.3	1432	90.7	6408	4.5
	9100	98	87.3	21.1	1824.6	90.5	7520	4.1
	9209	100	91.1	21.1	1898.3	90.3	7702	4.1
	16x10E							
	4200	42	10.8	22.1	236	89.1	1944	8.2
4800	49	16	22	349.1	89.9	2539	7.3	
5400	55	22.8	21.9	494.9	90.3	3214	6.5	
6000	62	31.4	21.8	677.9	90.4	3968	5.9	
6600	69	42	21.7	902.6	90.4	4801	5.3	
7200	77	55.1	21.5	1173.7	90.2	5713	4.9	
7800	84	71	21.3	1496	90	6705	4.5	
8400	92	90	21.1	1874.3	89.7	7777	4.1	
8928	100	110.2	20.8	2265.6	89.3	8784	3.9	

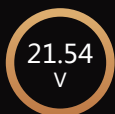
22.2V

XM5060EA-12 (400KV)

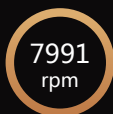
Motor @ Optimum Efficiency 优化效率点



Current
电流



Voltage
电压



Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

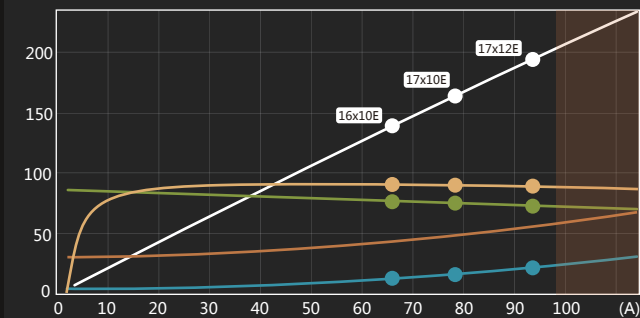
EL. POWER 电功率 [IN 10W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 10W]

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)
					16x10E			
	4000	49	9.3	22.1	203.7	89.1	1763	8.7
	4500	55	13.1	22	287.1	90	2232	7.8
	5000	62	17.9	22	391.5	90.6	2755	7
	5500	68	23.8	21.9	519.4	90.9	3334	6.4
	6000	75	31	21.8	673.2	91	3968	5.9
	6500	82	39.7	21.7	855.7	91.1	4656	5.4
	7000	90	49.9	21.6	1069.3	91	5400	5.1
	7500	97	61.9	21.4	1317	90.9	6199	4.7
	7676	100	66.8	21.4	1416	90.7	6494	4.6
					17x10E			
	4000	49	11.8	22.1	257.9	89.7	2115	8.2
	4500	56	16.7	22	365	90.3	2677	7.3
	5000	63	22.9	21.9	499.3	90.5	3305	6.6
	5500	70	30.6	21.8	664.1	90.6	3999	6
	6000	77	40.1	21.7	862.8	90.5	4759	5.5
	6500	84	51.4	21.6	1098.8	90.4	5585	5.1
	7000	92	64.9	21.4	1375.8	90.1	6478	4.7
	7484	100	80.5	21.2	1690.2	89.8	7404	4.4
					17x12E			
	4000	50	14.8	22	323.9	89.8	2511	7.8
	4500	57	21.1	21.9	460	90	3178	6.9
	5000	64	29.1	21.8	631	90	3923	6.2
	5500	71	39.1	21.7	841.4	89.9	4747	5.6
	6000	79	51.3	21.6	1095.5	89.6	5649	5.2
	6500	87	66	21.4	1398	89.3	6630	4.7
	7000	95	83.8	21.1	1753.5	88.9	7689	4.4
	7276	100	95.3	21	1979.7	88.5	8308	4.2

22.2V
(6S LIPO)

22.2V

XM5060EA-14SE (350KV)

Motor @ Optimum Efficiency 优化效率点

32.28
A

Current
电流

6980
rpm

Revolutions
转速

694.3
W

electric Power
电功率

634.8
W

mech. Power
机械功率

91.4
%

Efficiency
效率

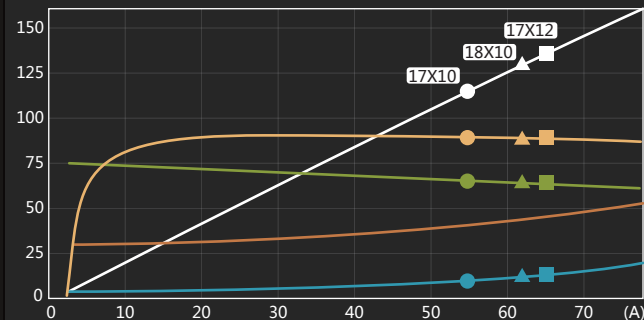
EL. POWER 电功率 [IN 10W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 10W]

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)
22.2V (6S LIPO)	17x10						
	3500	49	7.9	174	89.1	1619	9.3
	4000	57	11.7	257.3	89.9	2115	8.2
	5000	72	23	499.1	90.5	3305	6.6
	5500	81	30.9	664.4	90.5	3999	6
	6000	89	40.5	863.7	90.4	4759	5.5
	6592	100	54.7	1151	90.1	5744	5
	17x12						
	3600	51	10.8	236.8	89.6	2034	8.6
	4000	57	14.8	323.6	89.9	2511	7.8
	4800	70	25.9	558.5	90	3615	6.5
	5200	77	33.2	711.2	89.8	4243	6
	6000	92	52.1	1098.2	89.4	5649	5.1
	6416	100	64.9	1350.7	89	6460	4.8
	18x10						
	3600	51	10.3	226.1	89.5	2056	9.1
	4000	57	14.1	308.8	89.9	2538	8.2
	4800	70	24.6	532.4	90.1	3655	6.9
	5200	77	31.5	677.6	90	4289	6.3
	6000	91	49.5	1045.6	89.6	5711	5.5
6454	100	62.8	1308.6	89.2	6607	5	

29.6V

XM5060EA-14SE (350KV)

Motor @ Optimum Efficiency 优化效率点

41.73
A

Current
电流

9235
rpm

Revolutions
转速

1186.2
W

electric Power
电功率

1087.5
W

mech. Power
机械功率

91.7
%

Efficiency
效率

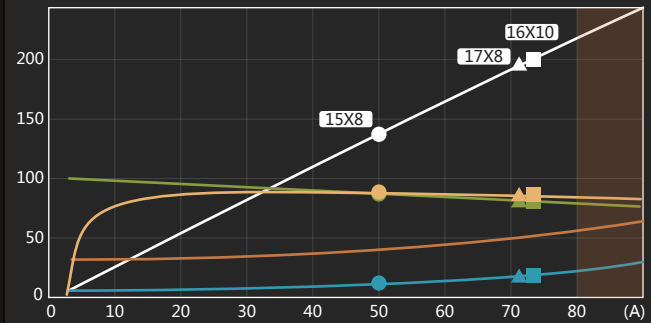
EL. POWER 电功率 [IN 10W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 10W]

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)
29.6V (8S LIPO)	15x8						
	4800	50	7.4	217.1	89.3	1674	7.7
	6000	63	14.3	416.4	91	2615	6.3
	6600	70	19	551.8	91.3	3165	5.7
	7200	77	24.7	714.6	91.6	3766	5.3
	8400	91	39.8	1133.1	91.7	5126	4.5
	9062	100	50.6	1426.7	91.5	5966	4.2
	16x10						
	4800	51	12.1	353.1	90.6	2437	6.9
	5400	58	17.2	500.9	90.9	3084	6.2
	6600	72	31.9	914.2	91	4607	5
	7200	80	41.9	1189	90.8	5482	4.6
	7800	88	54	1515.5	90.6	6434	4.2
	8599	100	74.4	2045.8	90	7820	3.8
	17x8						
	4800	51	11.9	346.3	90.6	2539	7.3
	5400	58	16.9	491.2	90.9	3214	6.5
	6600	72	31.3	896.2	91	4801	5.4
	7200	80	41	1165.3	90.9	5713	4.9
	7800	88	52.9	1485.2	90.7	6705	4.5
	8620	100	73.3	2019.1	90.1	8188	4.1

37V

XM5060EA-20SE (250KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



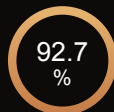
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

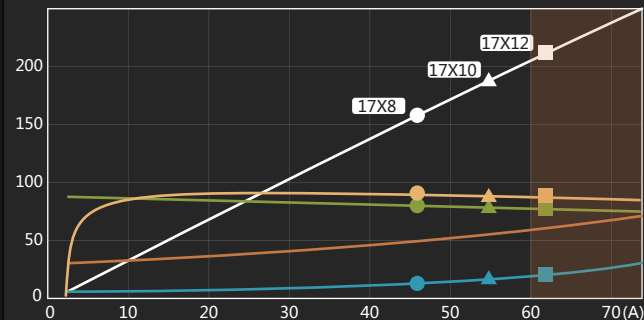
EL.POWER 电功率 [IN 10W] ■

EFFICIENCY 效率 [%] ■

MAX. REVOLUTIONS
转速 [IN 100RPM] ■

WASTE POWER
损耗功率 [IN 10W] ■

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)
37V (10S LIPO)	17x8						
	4800	56	9.5	348.3	91.8	2437	7
	5400	64	13.6	494.6	92.1	3084	6.2
	6000	72	18.7	678	92.1	3807	5.6
	6600	80	25	903.1	92.1	4607	5.1
	7200	88	32.8	1174.6	91.9	5482	4.7
	8019	100	46.1	1631.5	91.5	6800	4.2
	17x10						
	4200	49	8	292.9	91.4	2332	8
	4800	57	11.9	436	91.7	3046	7
	6000	73	23.6	852.7	91.6	4759	5.6
	6600	81	31.7	1138.1	91.3	5758	5.1
	7200	90	41.7	1482.6	91	6853	4.6
	7838	100	54.8	1924.9	90.5	8121	4.2
	17x12						
	4500	54	11.8	432.7	91.4	3212	7.4
	5000	60	16.3	594	91.3	3966	6.7
	5500	67	21.9	792.2	91.1	4799	6.1
	6500	82	36.9	1316.1	90.5	6702	5.1
	7000	89	46.7	1650.4	90.2	7773	4.7
7671	100	62.9	2190	89.5	9335	4.3	

44.4V

XM5060EA-20SE (250KV)

Motor @ Optimum Efficiency 优化效率点

31.91
A

Current
电流

10056
rpm

Revolutions
转速

1374.6
W

electric Power
电功率

1274.8
W

mech. Power
机械功率

92.7
%

Efficiency
效率

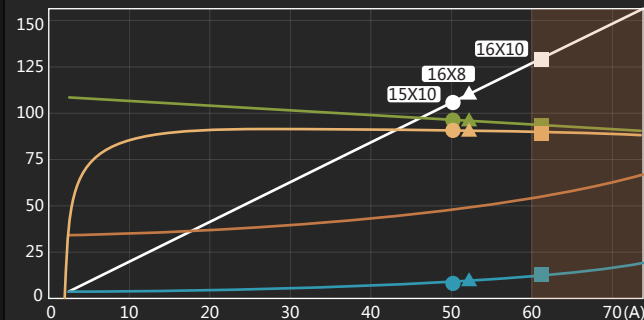
EL. POWER 电功率 [IN 20W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 20W]

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)
44.4V (12S LIPO)				15x10			
	5600	55	9.5	417.5	92.2	2848	6.8
	6300	62	13.5	592.7	92.5	3604	6.1
	7000	69	18.6	812.3	92.5	4450	5.5
	7700	77	25	1081.7	92.5	5384	5
	9100	93	42	1791.5	92.2	7520	4.2
	9640	100	50.6	2139	91.9	8439	3.9
				16x8			
	5600	55	9.8	432.3	92.2	2765	6.4
	6300	62	14	613.9	92.4	3499	5.7
	7000	69	19.3	841.6	92.5	4320	5.1
	7700	77	25.9	1121	92.4	5228	4.7
	8400	85	33.9	1457.7	92.3	6221	4.3
	9608	100	52	2196.2	91.8	8140	3.7
				16x10			
	5600	55	12.3	540.7	92.1	3456	6.4
	6300	63	17.6	769.7	92.2	4374	5.7
	7000	71	24.4	1057.3	92	5400	5.1
	7700	79	32.8	1410.8	91.8	6534	4.6
	8400	87	43.1	1837.5	91.5	7777	4.2
	9389	100	61.8	2586.7	90.9	9716	3.8