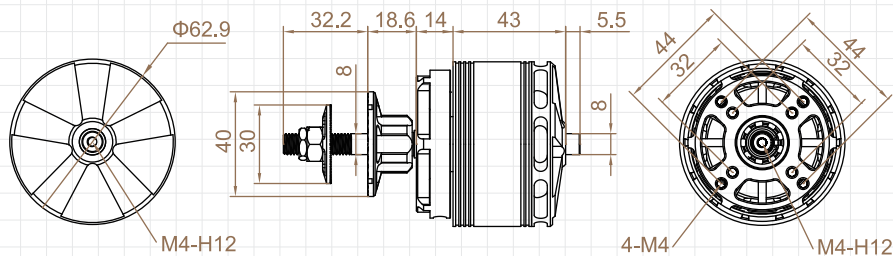




XM6355DA-V4

Dimensions 尺寸



Specification 参数

SKU 商品编码	52031	52032	52033	52034
NAME 型号	XM6355DA-18	XM6355DA-21	XM6355DA-25	XM6355DA-28
RPM / V (KV) KV值	280	245	205	180
Weight (g) 重量	530 - 550			
Diameter (mm) 直径	62.9			
Length (mm) 长度	57			
Diameter of Shaft(mm) 轴径	8			
Stator (DxL) [mm] 定子尺寸	53 x 25			
Slots & Poles 槽数, 极数	12N14P			
Motor mounting holes [Pitch, Size] (mm) 安装孔距	(A)32mm, 4-M4 (B)44mm, 4-M4			
Io@10V(A)空载电流	1.2	0.9	0.7	0.6
Resistance(Ri)(mOhm) 电机内阻	21.5	27.5	39	51
Nominal Voltage(V)[NOC] 电压	24-33.6V, 8S Lipo	24-42V, 8S-10S Lipo	30-42V, 10S Lipo	44.4V, 12S Lipo
Bursts current(A)[15s] 峰值电流	95	90	86	78
Peak Power (W) 峰值功率	3040	2880	3440	3744
Cruising power(W)[30 mins] 巡航	1824	1728	2064	2246
Torque (N*M) 扭矩	4.05	4.39	5.01	5.17
Propeller 螺旋桨	8S ¹ : 20x12E, 20.5x12WE, 21x13E ²	8S ¹ : 21.5x12WE, 22x10E, 23x10E 10S: 19x10E, 19x12E ² , 20x10E ²	10S ¹ : CF21x14E, 22x10E, 22x12E	12S ¹ : 20.5x12WE, 22x10E, 23x10E ²
Recommended ESC 推荐调速器	SUMMIT 120	SUMMIT 100HV	SUMMIT 100HV	SUMMIT 100HV
Applications 适用级别	E-conversion: 160E, .140-.170 2-stroke, Up to .185 4st Proved power for F3A and up to 78" freestyle airplanes, large scale gliders.			

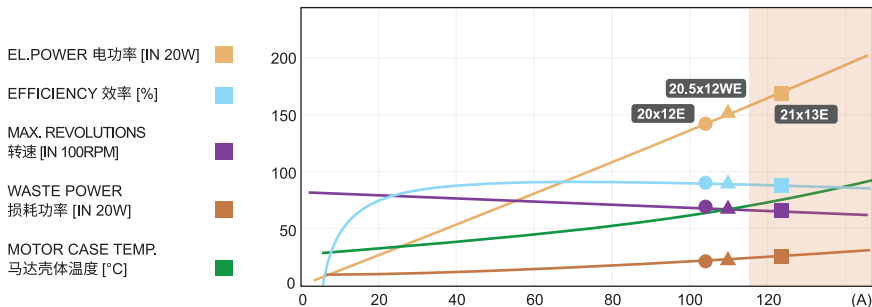
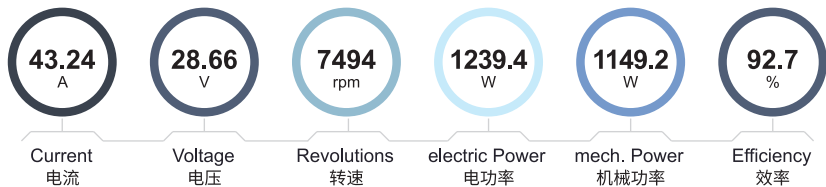
¹ Suggested working voltage(NOC) 建议工作电压(串联节数)

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

29.6V

XM6355DA-18 (280KV)

Motor @ Optimum Efficiency 优化效率点

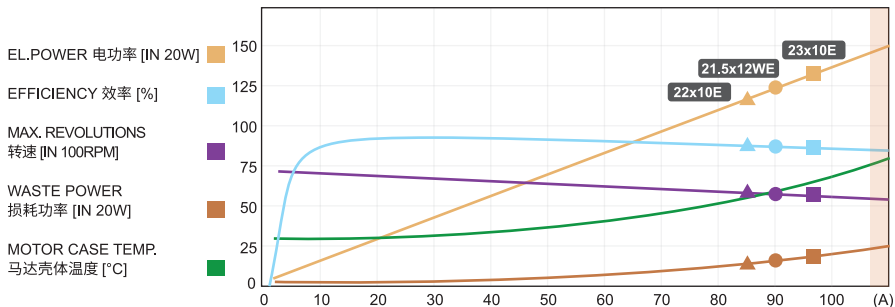
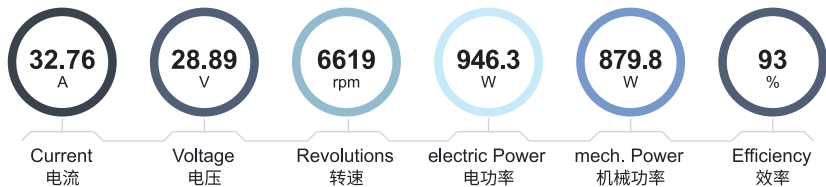


Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
29.6V (8S LIPO)	20x12E							
	3500	47	13.4	29.3	392.1	90.9	3164	8.1
	4500	61	28.8	29	832.3	91	5231	6.3
	5000	69	39.9	28.8	1144.6	90.8	6458	5.6
	5500	77	53.9	28.5	1528.9	90.4	7814	5.1
	6000	86	71.2	28.2	1993.7	90.1	9299	4.7
	6730	100	103.8	27.5	2839.6	89.3	11699	4.1
	20.5x12WE							
	3500	47	14.8	29.3	433.4	90.8	3408	7.9
	4500	62	32	29	922.5	90.6	5633	6.1
	5000	70	44.5	28.7	1269.9	90.3	6954	5.5
	5500	78	60.1	28.4	1698	89.9	8415	5
	6000	87	79.6	28	2216.2	89.4	10014	4.5
	6636	100	111.3	27.4	3025.9	88.7	12248	4
	21x13E							
	3600	49	19.4	29.2	565.3	90.3	4198	7.4
	4400	61	36.1	28.9	1037.5	89.9	6272	6
	4800	68	47.5	28.6	1352.6	89.5	7464	5.5
	5600	82	77.9	28	2169.7	88.6	10159	4.7
	6000	90	97.8	27.6	2683.6	88.1	11662	4.3
	6456	100	125.5	27.1	3373.3	87.4	13504	4

29.6V

XM6355DA-21 (245KV)

Motor @ Optimum Efficiency 优化效率点

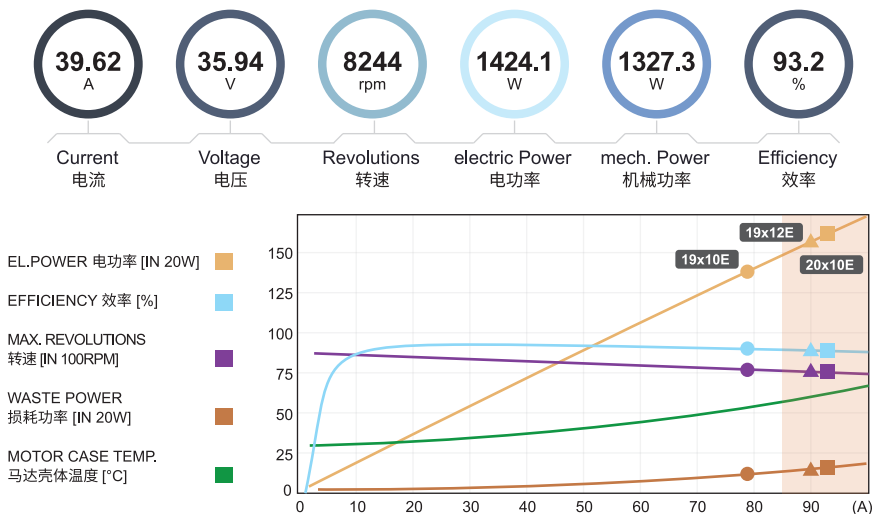


Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
29.6V (8S LIPO)	21.5x12WE							
	3200	49	13.7	29.3	400.8	90.8	3286	8.2
	4000	63	27.1	29.1	785.3	90.5	5134	6.5
	4400	70	36.5	28.9	1049.1	90.1	6213	5.9
	4800	78	48	28.6	1368.1	89.7	7393	5.4
	5200	86	62	28.4	1748.2	89.3	8677	5
	5868	100	92	27.8	2539.7	88.4	11050	4.4
	22x10E							
	3200	49	12.5	29.4	365.4	90.9	2934	8
	4000	62	24.6	29.1	714.4	90.9	4584	6.4
	4400	69	33.1	28.9	953.5	90.6	5547	5.8
	4800	77	43.4	28.7	1242.5	90.3	6601	5.3
	5600	93	71	28.2	1990.8	89.5	8985	4.5
	5941	100	86.2	27.9	2391.3	89	10113	4.2
	23x10E							
	3200	49	15	29.3	438.6	90.5	3352	7.6
	4000	63	29.8	29	861.2	90	5238	6.1
	4400	71	40.2	28.8	1151.5	89.6	6338	5.5
	4800	79	52.9	28.5	1502.9	89.1	7543	5
	5200	87	68.5	28.2	1921.9	88.6	8852	4.6
	5794	100	97.8	27.6	2688	87.7	10992	4.1

37V

XM6355DA-21 (245KV)

Motor @ Optimum Efficiency 优化效率点

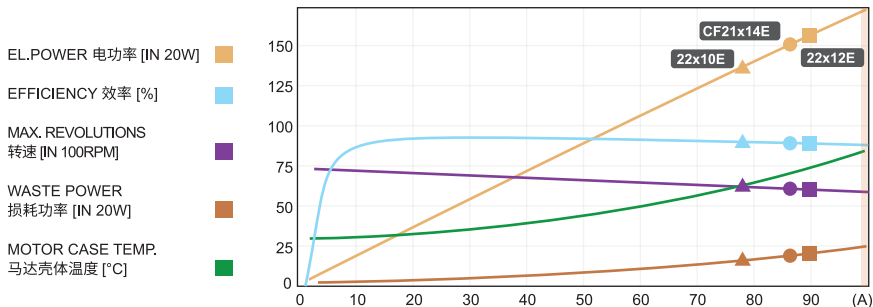
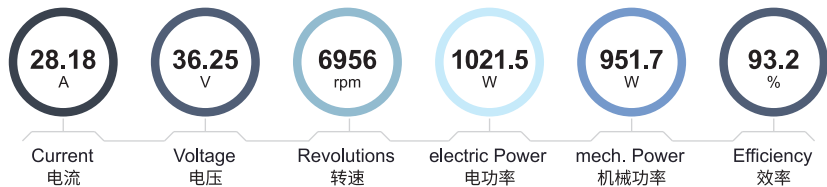


37V (10S LIPO)	Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
	19x10E								
	4000	48		10.7	36.7	393	91.9	2953	7.5
	5000	61		21	36.5	764.1	92.3	4614	6
	5500	68		28.1	36.3	1017.4	92.3	5583	5.5
	6500	82		47.2	35.8	1685.3	91.9	7798	4.6
	7000	89		59.7	35.5	2110.5	91.7	9043	4.3
	7678	100		80.4	35	2802.4	91.2	10881	3.9
	19x12E								
	4000	48		12.9	36.7	471.9	91.8	3543	7.5
	5000	62		25.4	36.4	921.2	91.9	5537	6
	5500	69		34.1	36.1	1228.5	91.7	6699	5.5
	6500	83		57.6	35.6	2040.4	91.1	9357	4.6
	7000	91		73	35.2	2558.2	90.8	10852	4.2
	7500	100		91.4	34.7	3159.6	90.4	12458	3.9
	20x10E								
	4000	48		13.2	36.7	482.9	91.8	3444	7.1
	5000	62		26	36.3	943.2	91.8	5381	5.7
	5500	69		34.9	36.1	1258.1	91.6	6512	5.2
	6500	84		59.1	35.5	2090.3	91	9095	4.4
	7000	92		74.9	35.1	2621.2	90.6	10548	4
	7493	100		93.8	34.7	3235	90.2	12085	3.7

37V

XM6355DA-25 (205KV)

Motor @ Optimum Efficiency 优化效率点

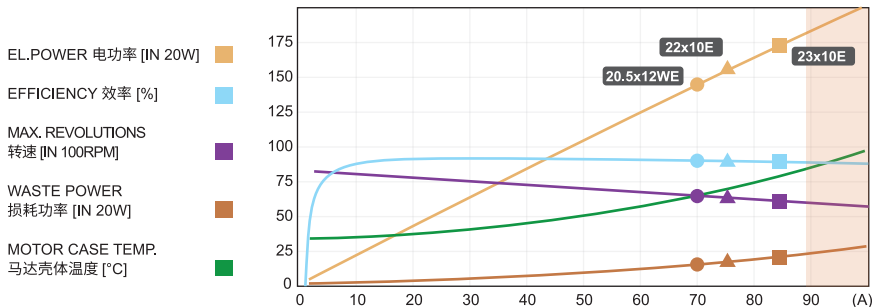
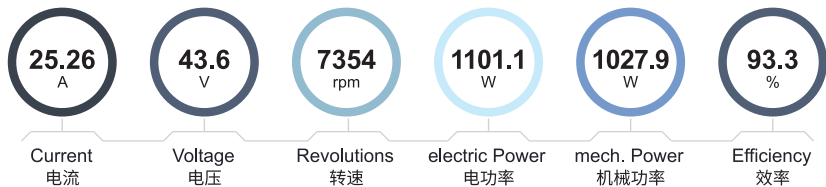


Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)	
37V (10S LIPO)	CF21x14E								
	3600	53	16.6	36.6	607.1	90.6	4521	7.4	
	4000	60	23	36.4	835.5	90.3	5582	6.7	
	4400	67	30.9	36.2	1116.9	89.9	6754	6	
	5200	82	52.4	35.7	1863.4	88.9	9433	5.1	
	5600	89	66.5	35.3	2341.2	88.4	10940	4.7	
	6102	100	88.2	34.8	3056.9	87.7	12988	4.2	
	22x10E								
	3600	53	14.2	14.2	36.6	519.3	91.1	3713	7.2
	4000	59	19.6	19.6	36.5	713.4	91	4584	6.4
	4800	73	34.4	34.4	36.1	1241	90.4	6601	5.3
	5200	80	44.3	44.3	35.9	1584.6	90	7747	4.9
	5600	87	56.1	56.1	35.6	1988.6	89.6	8985	4.5
	6230	100	79.2	79.2	35	2764.2	88.8	11119	4
	22x12E								
	3200	47	12	12	36.7	440	90.6	3521	8
	4000	60	23.8	23.8	36.4	864.2	90.1	5501	6.4
	4400	67	32	32	36.2	1155.7	89.7	6656	5.8
	5200	82	54.3	54.3	35.6	1929.1	88.7	9297	4.8
	5600	90	69	69	35.3	2424.4	88.1	10782	4.4
	6073	100	90.2	90.2	34.7	3121.2	87.4	12681	4.1

44.4V

XM6355DA-28 (180KV)

Motor @ Optimum Efficiency 优化效率点



44.4V (12S LIPO)	Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
	20.5x12WE								
	3500	48		9.8	44.1	430.1	91.5	3408	7.9
	4500	63		21	43.8	917.4	91.1	5633	6.1
	5000	71		29.1	43.5	1263.6	90.8	6954	5.5
	5500	80		39.2	43.2	1690.2	90.3	8415	5
	6000	88		51.6	42.9	2206.4	89.8	10014	4.5
	6628	100		71.2	42.3	3001.7	89.1	12221	4.1
	22x10E								
	3500	49		10.8	44.1	476.7	91.2	3510	7.4
	4500	64		23.4	43.7	1019.3	90.7	5802	5.7
	5000	72		32.4	43.4	1405.5	90.2	7163	5.1
	5500	81		43.8	43.1	1881.8	89.7	8667	4.6
	6000	90		57.8	42.7	2458.8	89.1	10314	4.2
	6543	100		76.6	42.1	3216.9	88.4	12265	3.8
	23x10E								
	3600	51		14.2	44	624.4	90.5	4243	6.8
	4000	57		19.7	43.8	859.8	90.2	5238	6.1
	4800	70		34.7	43.4	1501.3	89.2	7543	5
	5200	77		44.7	43.1	1920.1	88.7	8852	4.6
	6000	92		70.9	42.3	2987.6	87.6	11786	3.9
	6380	100		87	41.8	3621	87	13326	3.7