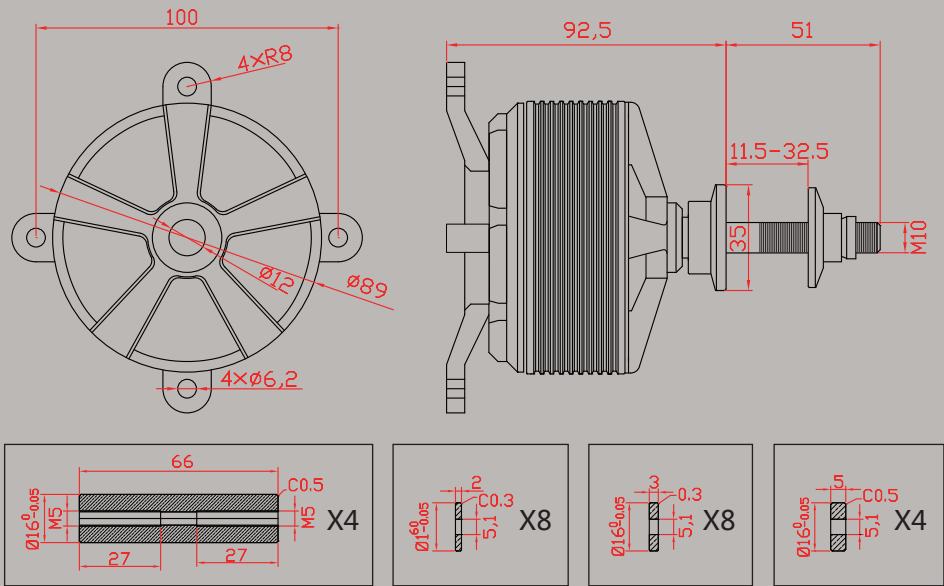


Dimensions

GA6000.8



ME5-80 (以上的数量为1套)



Specification



Xmotor GA6000 Specifications	GA6000.8
Item NO. (商品编码)	51295
RPM/V (KV值)	180RPM/V
Weight (重量)	1090g
Outer Diameter (外径)	90.2mm
Length w/ propeller mount (带桨座长度)	92mm
w/o propeller mount (不带桨座长度)	78mm
Diameter of Shaft (轴径)	10mm
Mounting holes pitch (安装孔距)	100mm
Slots,Poles (极数)	24, 28
Idle Current(Io) @10V (空载电流)	2.3A
Resistance(Ri) (电阻)	12.6mOhm
Nominal Voltage(V) (额定电压)	30-51V, 10-12SLipo
Peak power[15s] (峰值功率)	6800W(9.2HP) @ 8000RPM
Bursts current[15s] (最大电流)	140A
Cruising power[8 mins] (巡航功率)	3500W (4.8HP)
Recommended ESC (推荐调速器)	130A-160A HV Series
Propeller (NO ELECTIRC PROPELLER ALLOWED) (螺旋桨配置)	22x10, 22x12, 23x8, 23x10, 24x8, 24x9, 24x10 XOAR 24x10CF @ 12S, 125A, Thrust 17kg (w/ Fully charged 5000mAh 70C battery)
Weight of sports airplane (适用的运动型飞机重量)	Up to 17.1kg
Weight of 3D airplane (适用的3D机重量)	Up to 11.4kg
Applications (适用范围)	Designed for 50-60cc class fixed wing airplane or UAV system

GA6000.8 (180KV)

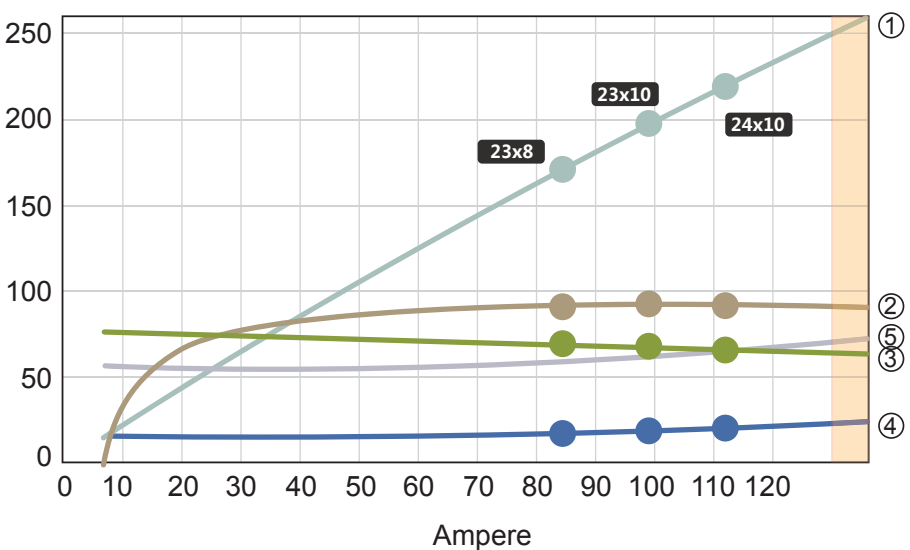
Motor @ Optimum Efficiency

最佳效率

Current(电流):	127.43A
Voltage(电压):	38.6V
Revolutions(转速):	6417rpm
Electric Power(输入功率):	4919W
Mech. Power(输出功率):	4489.3W
Efficiency(效率):	91.3%

- ① el. Power [in 20W]
- ②Efficiency [%]
- ③max. Revolutions [in 100rpm]
- ④waste Power [W]
- ⑤Motor Case Temp. [°C]

Motor Characteristic at Full Throttle



Voltage (V)	Propeller	Propeller (RPM)	Throttle (%)	Current (DC) (A)	Volage (DC) (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
44.4V (12S LIPO)	24x10	1500	20	1.6	44.3	68.7	70.5	837	12.2
		2000	26	3.3	44.3	144.1	79.8	1488	10.3
		2500	33	6	44.1	264.9	84.7	2325	8.8
		3000	40	10.1	44	443	87.5	3348	7.6
		3500	47	15.8	43.7	690.3	89.2	4557	6.6
		4000	54	23.6	43.4	1018.8	90.2	5951	5.8
		4500	62	33.7	42.9	1440.9	90.8	7532	5.2
		5000	70	46.7	42.4	1968.7	91.2	9299	4.7
		5500	79	63.1	41.7	2614.8	91.4	11252	4.3
		6000	88	83.7	40.8	3391.9	91.5	13391	3.9
		6500	99	109.4	39.7	4312.5	91.5	15716	3.6
		6565	100	113.4	39.5	4448.5	91.2	16030	3.6
	23x10	1500	20	1.4	44.3	61	67.1	737	12.1
		2000	26	2.8	44.3	125.6	77.2	1310	10.4
		2500	33	5.2	44.2	228.6	82.8	2046	9
		3000	40	8.7	44	379.9	86.1	2946	7.8
		3500	47	13.5	43.8	589.6	88.1	4010	6.8
		4000	54	20	43.5	867.9	89.3	5238	6
		4500	62	28.5	43.2	1224.8	90.1	6629	5.4
		5000	69	39.3	42.7	1670.7	90.6	8184	4.9
		5500	78	52.9	42.1	2216.1	90.9	9903	4.5
		6000	86	69.7	41.4	2871.5	91.1	11786	4.1
		6500	96	90.6	40.5	3647.4	91.2	13832	3.8
		6702	100	100.3	40.1	3995.1	91	14704	3.7
	23x8	2000	26	2.4	44.3	105.7	73.3	1048	9.9
		2500	33	4.3	44.2	189.7	79.8	1637	8.6
		3000	40	7.1	44.1	312.4	83.8	2357	7.5
		3500	47	11	43.9	482	86.2	3208	6.7
		4000	54	16.2	43.7	706.4	87.8	4190	5.9
		4500	61	23	43.4	994	88.9	5304	5.3
		5000	68	31.5	43	1352.7	89.6	6548	4.8
		5500	76	42.2	42.6	1791	90	7923	4.4
		6000	84	55.4	42	2317.2	90.3	9429	4.1
		6500	93	71.5	41.3	2939.6	90.5	11065	3.8
		6862	100	85	40.7	3444.1	90.4	12333	3.6