

Specification

Xmotor Multi-Rotor		XM7015MR 4.5 TURN	XM7015MR 5 TURN
RPM/V(KV值)	(KV)	370	330
Weight w/o wires(重量)	(g)	345	345
Diameter(直径)	(mm)	70	70
Length(长度)	(mm)	40	40
Diameter of Shaft(轴径)	(mm)	4.0, 8.0	4.0, 8.0
Mounting holes pitch(安装孔距)	(mm)	30/30	30/30
Slots,Poles(极数)		24, 28	24, 28
Idle Current(空载电流)	(Io) @10V(A)	1.8	1.6
Resistance(内阻)	(Ri)(mOhm)	36	40
Cruising power(巡航功率)	(W)[8 mins]	825	789
Bursts current(最大电流)	(A)[15s]	67	65
Peak power(峰值功率)	(W)[15s]	1500	1434
Input wire(输入线)		16AWG, 800mm	16AWG, 800mm
Recommended ESC(推荐调速器)		XC8018BA MR firmware	XC8018BA MR firmware
Setup 1(配置1)	(No. of Cell, Prop.)	6S, 20x6, 22x7	6S, 20x6, 22x7, 24x8
Weight of quad-copter(4轴重量)	(kg)	9.2	8.8
Weight of hex-copter(六轴重量)	(kg)	13.7	13.2

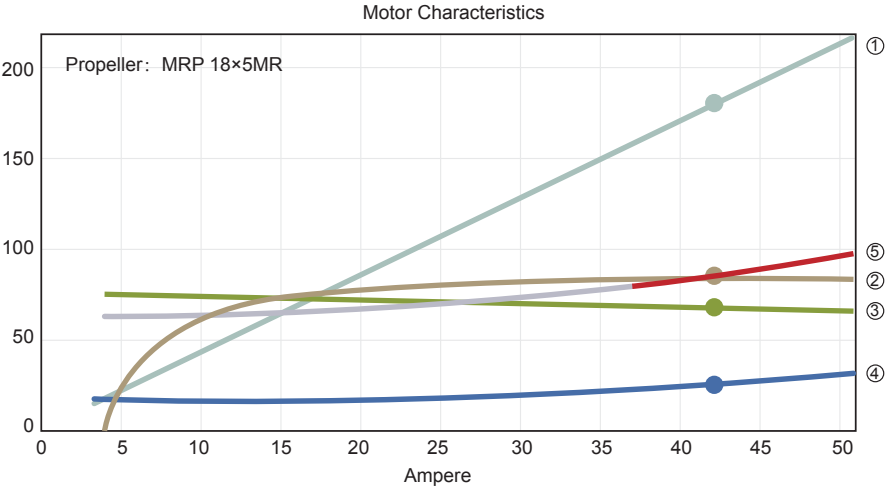
XM7015MR-4.5

Motor @ Optimum Efficiency

最佳效率

Current(电流):	45.63A
Voltage(电压):	21.47V
Revolutions(转速):	6845rpm
Electric Power(输入功率):	979.4W
Mech. Power(输出功率):	838.7W
Efficiency(效率):	85.6%

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



22.2V (6S Lipo)

Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率
Propeller: MRP 18×5				Propeller: MRP 20×6			
0.5kg	2.6	57.7	8.7	0.5kg	2.2	48.8	10.2
1kg	5.8	128.8	7.8	1kg	5.2	115.4	8.7
1.5kg	9.8	217.6	6.9	1.5kg	8.8	195.4	7.7
2kg	13.8	306.4	6.5	2kg	13	288.6	6.9
2.5kg	18.8	417.36	6	2.5kg	16.9	375.18	6.7
3kg	23.9	530.58	5.7	3kg	22.1	490.62	6.1
3.5kg	28.5	632.7	5.4	3.5kg	27.5	610.5	5.7
3.74kg	31.7	703.74	5.3	4kg	32.5	721.5	5.5
				4.5kg	39.3	872.46	5.2
				4.67kg	42.3	939.06	5
Propeller: MRP 22×7				Propeller: MRP 24×8			
0.5kg	2	44.4	11.3	0.5kg	2.1	46.6	10.7
1kg	5.1	113.2	8.8	1kg	5	111.0	9.0
1.5kg	8.3	184.3	8.1	1.5kg	8	177.6	8.4
2kg	12	266.4	7.5	2kg	12.2	270.8	7.4
2.5kg	16.1	357.4	7.0	2.5kg	16.6	368.5	6.8
3kg	20.6	457.3	6.6	3kg	21.3	472.9	6.3
3.5kg	25.8	572.76	6.1	3.5kg	25.8	572.76	6.1
4kg	32.4	719.28	5.6	4kg	31.5	699.3	5.7
4.5kg	39	865.8	5.2	4.5kg	37.7	836.94	5.4
4.53kg	42.1	934.62	4.8	4.7kg	42.6	945.72	5

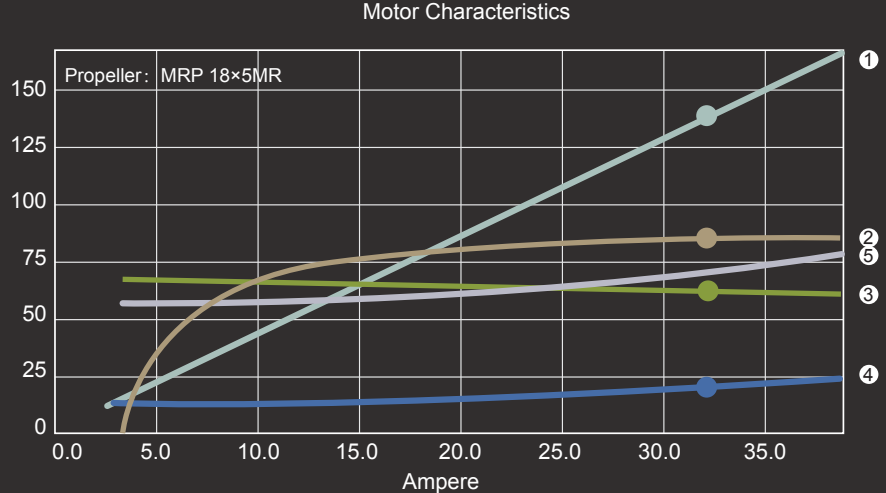
XM7015MR-5

Motor @ Optimum Efficiency

最佳效率

Current(电流):	39.65A
Voltage(电压):	21.56V
Revolutions(转速):	6201rpm
Electric Power(输入功率):	854.8W
Mech. Power(输出功率):	736W
Efficiency(效率):	86.1%

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



22.2V (6S Lipo)

Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率
Propeller: MRP 18×5				Propeller: MRP 20×6			
0.5kg	2.5	55.5	9.0	0.5kg	2.1	46.6	10.7
1kg	5.7	126.5	7.9	1kg	5.2	115.4	8.7
1.5kg	9.3	206.5	7.3	1.5kg	8.6	190.9	7.9
2kg	13.8	306.4	6.5	2kg	12.3	273.1	7.3
2.5kg	18.1	401.82	6.2	2.5kg	16.6	368.5	6.8
3kg	23.3	517.26	5.8	3kg	21.7	481.7	6.2
3.3kg	25.9	574.98	5.7	3.5kg	26.5	588.3	6.1
				4kg	31.2	692.64	5.8
				4.5kg	36.1	801.42	5.6
				4.57kg	37.5	832.5	5.5
Propeller: MRP 22×7				Propeller: MRP 24×8			
0.5kg	2	44.4	11.3	0.5kg	2	44.4	11.3
1kg	5	111.0	9.0	1kg	4.7	104.3	9.6
1.5kg	8.2	182.0	8.2	1.5kg	7.6	168.7	8.9
2kg	12.1	268.6	7.4	2kg	11.1	246.4	8.1
2.5kg	15.6	346.3	7.2	2.5kg	15.6	346.3	7.2
3kg	21.2	470.6	6.4	3kg	19.7	437.3	6.9
3.5kg	26.3	583.86	6	3.5kg	24.5	543.9	6.4
4kg	32	710.4	5.6	4kg	30.5	677.1	5.9
4.5kg	36.7	814.74	5.5	4.5kg	43.1	956.82	4.7
4.98kg	44	976.8	5.1	4.52kg	44.3	983.46	4.6