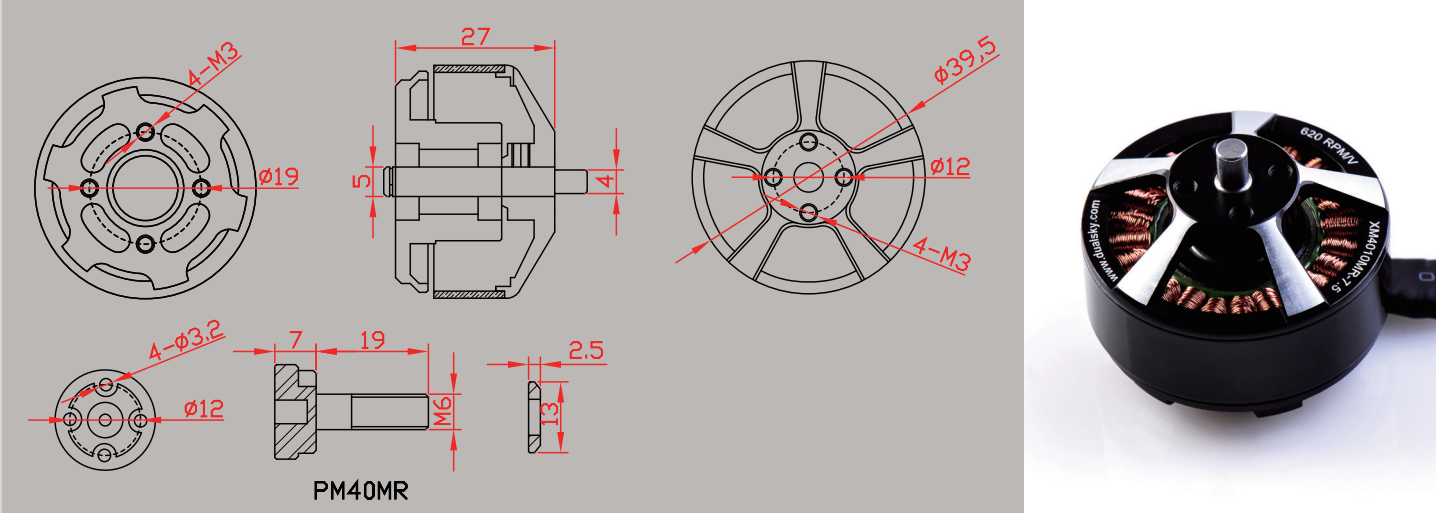


Dimensions



Specification

Xmotor Multi-Rotor		XM4010MR 5 TURNS	XM4010MR 6.5 TURNS	XM4010MR 7.5 TURNS
RPM/V(KV值)	(KV)	930	710	620
Weight w/o wires(重量)	(g)	80	80	80
Diameter(直径)	(mm)	39.5	39.5	39.5
Length(长度)	(mm)	27	27	27
Diameter of Shaft(轴径)	(mm)	4.0, 5.0	4.0, 5.0	4.0, 5.0
Mounting holes pitch(安装孔距)	(mm)	19/19	19/19	19/19
Slots,Poles(极数)		24N28P	24N28P	24N28P
Idle Current(空载电流)	(Io) @10V(A)	1.5	0.8	0.7
Resistance(内阻)	(Ri)(mOhm)	43	66	87
Cruising power(巡航功率)	(W)[8 mins]	183	195	209
Bursts current(最大电流)	(A)[15s]	30	24	21
Peak power(峰值功率)	(W)[15s]	333	354	380
Input wire(输入线)		18AWG, 600mm	18AWG, 600mm	18AWG, 600mm
Recommended ESC(推荐调速器)		XC-401-MR	XC-301-MR	XC-301-MR
Setup 1(配置1)	(No. of Cell, Prop.)	3S, 10x5, 11x5	3-4S, 10x5	4-5S, 10x5
Weight of quad-copter(4轴重量)	(kg)	2.0	2.2	2.3
Weight of hex-copter(六轴重量)	(kg)	3.1	3.2	3.5

XM4010MR-5

Motor @ Optimum Efficiency

最佳效率

Current(电流):	19.63A
Voltage(电压):	10.91V
Revolutions(转速):	9078rpm
Electric Power(输入功率):	214.1W
Mech. Power(输出功率):	182.3W
Efficiency(效率):	85.1%

Motor Characteristics

Propeller: APC 11×4.5MR

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

Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速	Efficiency (%) 最大螺距时马达效率
Motor @ Maximum , 11.1V (3S Lipo)						
APC 9×4.5MR	828g	12.23	134.2	6.2	9431	82.9
MRP 10×4.5	1082g	17.05	186.4	5.8	9201	84.9
APC 10×5E	1184g	18.5	202.0	5.9	9132	85.1
APC 11×4.5MR	1354g	22.86	248.7	5.5	8924	85
MRP 12×4.5	1635g	29.55	319.5	5.1	8606	83.9

XM4010MR-6.5

Motor @ Optimum Efficiency

最佳效率

Current(电流):	15.95A
Voltage(电压):	14.61V
Revolutions(转速):	9337rpm
Electric Power(输入功率):	233W
Mech. Power(输出功率):	200.9W
Efficiency(效率):	86.2%

Motor Characteristics

Propeller: APC 11×4.5MR

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

Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速	Efficiency (%) 最大螺距时马达效率
11.1V (3S Lipo)						
APC 10×5E	732g	8.86	97.6	7.5	7182	85.7
Motor @ Maximum , 14.8V (4S Lipo)						
APC 9×4.5MR	871g	9.73	142.0	6.1	9671	84.1
MRP 10×4.5	1143g	13.67	200.1	5.7	9460	86
APC 11×4.5MR	1440g	18.47	269.4	5.35	9202	86.2
MRP 12×4.5	1749g	24.06	349.3	5.01	8902	85.1

XM4010MR-7.5

Motor @ Optimum Efficiency

最佳效率

Current(电流):	16.79A
Voltage(电压):	18.26V
Revolutions(转速):	10106rpm
Electric Power(输入功率):	306.7W
Mech. Power(输出功率):	260.5W
Efficiency(效率):	85%

Motor Characteristics

Propeller: MRP 10×4.5

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

Propeller 螺旋桨	Thrust 拉力	Ampere 电流	Watt 功率	g/W 效率	RPM 转速	Efficiency (%) 最大螺距时马达效率
14.8V (4S Lipo)						
APC 10×5E	975g	10.3	151.2	6.5	8288	84.9
Motor @ Maximum , 18.5V (5S Lipo)						
APC 10×3.8SF	1157g	12.67	232.2	5.0	10356	84.1
APC 9×4.5MR	1029g	10.15	186.3	5.5	10509	82.4
MRP 10×4.5	1346g	14.17	259.4	5.2	10265	84.6
APC 11×4.5MR	1690g	19.05	347.3	4.9	9969	84.9