

Specification

3rd Generation Heavy duty series for Multi-copter	XM5010HD-9
Item NO. (商品编码)	51445
RPM/V (KV值)	390RPM/V
Weight w/o wires (重量)	130g
Diameter (直径)	49mm
Length (长度)	32mm
Diameter of Shaft (轴径)	IN:6.0mm, Out:4.0mm
Propeller mounting holes [Pitch, Size] (桨安装孔距)	12mm, 4-M3
Motor mounting holes [Pitch, Size] (马达安装孔距)	(A)25mm , 4-M3 (B)32mm , 3-M3
Slots,Poles (极数)	24, 28
Idle Current(Io) @10V(空载电流)	0.7A
Resistance(Ri) (电阻)	110mOhm
Nominal Voltage (额定电压)	22.2V, 6S Lipo
Cruising power[30 mins] (巡航功率)	300W
Bursts current[30s] (最大电流)	25A
Peak power[30s] (峰值功率)	560W
Input Wire (线规格)	18AWG, 600mm
Recommended ESC (调速器)	XC-301-MR
Propeller (螺旋桨配置)	MRP 15"
Propeller adapters (螺旋桨适配器)	Yes
Centrifugal fan (离心式风扇设计)	Yes
Dynamic balanced rotor (转子动平衡)	Yes
Heavy duty design (大负载设计)	Yes
Water & dust proof (防水防尘)	Yes (IP34)
Maintenance free (免维护)	Yes
Weight of Quad-copter (4轴重量)	3.4kg
Weight of Hex-copter (6轴重量)	5.1kg
Weight of Oct-copter (8轴重量)	6.8kg
Memo (备注)	For business aerial photography

XM5010HD (390KV)

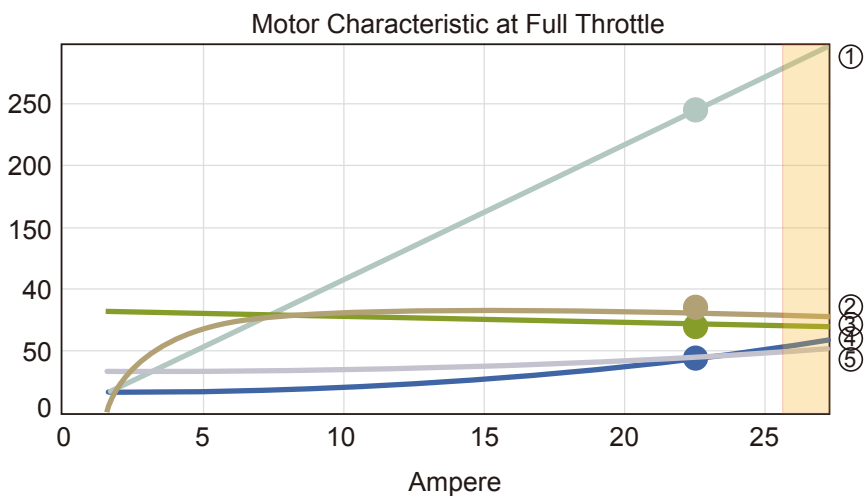
Motor @ Optimum Efficiency

最佳效率

Current(电流):	15.82A
Voltage(电压):	21.96V
Revolutions(转速):	7552rpm
Electric Power(输入功率):	347.4W
Mech. Power(输出功率):	288.3W
Efficiency(效率):	83%

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

Propeller Dualsky MRP 15X5



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (DC) (A)	Volage (DC) (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
22.2V (6S LIPO)	3000	38	1.7	22.2	36.9	80.3	454	12.3
	3500	45	2.6	22.2	57.2	82.2	618	10.8
	4000	52	3.8	22.2	84.2	83.2	807	9.6
	4500	59	5.4	22.1	119.2	83.8	1021	8.6
	5000	66	7.4	22.1	163.2	83.9	1261	7.7
	5500	74	9.9	22.1	217.3	83.9	1527	7.0
	6000	81	12.9	22	282.8	83.7	1817	6.4
	6500	89	16.4	22	360.9	83.4	2131	5.9
	7000	97	20.7	21.9	452.8	83	2472	5.5
	7181	100	22.7	21.9	497.3	81.9	2601	5.2