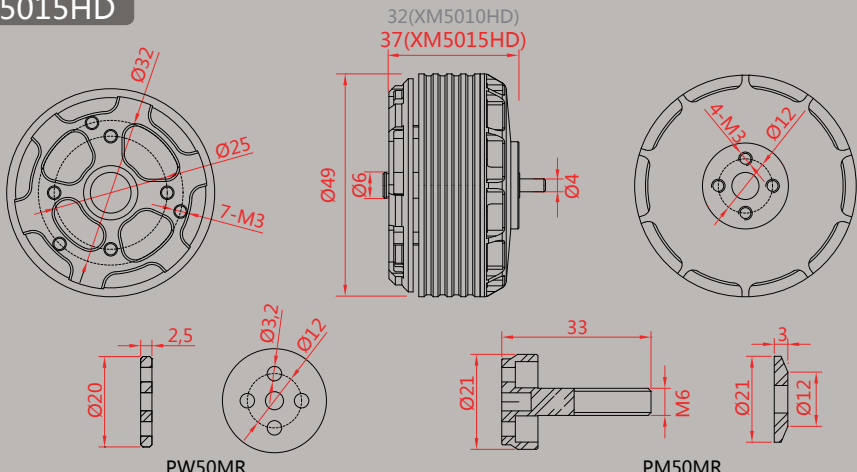


Dimensions

XM5015HD



Specification

2nd Generation Heavy duty series for Multi-copter	XM5015HD-6	XM5015HD-7
Item NO. (商品编码)	51446	51447
RPM/V (KV) (KV值)	390	340
Weight w/o wires(g) (重量)	165	165
Diameter(mm) (直径)	49	49
Length(mm) (长度)	37	37
Diameter of Shaft(mm) (轴径)	IN:6.0, Out:4.0	IN:6.0, Out:4.0
Propeller mounting holes [Pitch, Size] (mm) (桨安装孔距)	12mm, 4-M3	12mm, 4-M3
Motor mounting holes [Pitch, Size] (mm) (马达安装孔距)	(A)25mm , 4-M3 (B)32mm , 3-M3	(A)25mm , 4-M3 (B)32mm , 3-M3
Slots,Poles (极数)	24, 28	24, 28
Idle Current(Io) @10V(A) (空载电流)	1.1	0.8
Resistance(Ri)(mOhm) (电阻)	80	100
Nominal Voltage(V) (额定电压)	22.2V, 6S Lipo	22.2V, 6S Lipo
Cruising power(W)[30 mins] (巡航功率)	380	350
Bursts current(A)[30s] (最大电流)	31	29
Peak power(W)[30s] (峰值功率)	700	640
Input Wire (线规格)	18AWG, 600mm	18AWG, 600mm
Recommended ESC (调速器)	XC-401-MR	XC-401-MR
Propeller (螺旋桨配置)	MRP 16"	MRP 17"
Propeller adapters (螺旋桨适配器)	Yes	Yes
Centrifugal fan (离心式风扇设计)	Yes	Yes
Dynamic balanced rotor (转子动平衡)	Yes	Yes
Heavy duty design (大负载设计)	Yes	Yes
Water & dust proof (防水防尘)	Yes (IP34)	Yes (IP34)
Maintenance free (免维护)	Yes	Yes
Weight of Quad-copter(kg) (4轴重量)	4.3	3.9
Weight of Hex-copter(kg) (6轴重量)	6.4	5.8
Weight of Oct-copter(kg) (8轴重量)	8.5	7.8
Memo (备注)	For business aerial photography	

XM5015HD (390KV)

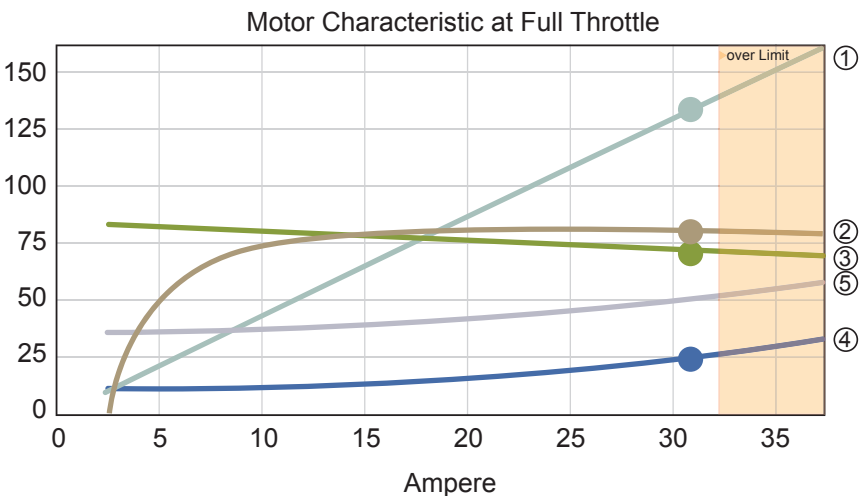
Motor @ Optimum Efficiency

最佳效率

Current(电流):	23.08A
Voltage(电压):	21.86V
Revolutions(转速):	7464rpm
Electric Power(输入功率):	504.5W
Mech. Power(输出功率):	413.5W
Efficiency(效率):	82%

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

Propeller Dualsky MRP 16X5



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)	2500	32	1.4	22.2	31.4	74.8	406	12.9
	3000	38	2.3	22.2	51.7	78.6	584	11.3
	3500	45	3.6	22.2	79.8	80.8	796	10.0
	4000	52	5.3	22.1	117.3	82	1039	8.9
	4500	59	7.5	22.1	165.7	82.7	1314	7.9
	5000	66	10.3	22.1	226.4	83	1622	7.2
	5500	74	13.7	22	301.2	83.1	1963	6.5
	6000	82	17.9	22	391.6	82.9	2337	6.0
	6500	89	22.9	21.9	499.4	82.7	2742	5.5
	7000	97	28.8	21.8	626.2	82.4	3180	5.1
	7139	100	31.1	21.8	676.4	81.2	3308	4.9

XM5015HD (340KV)

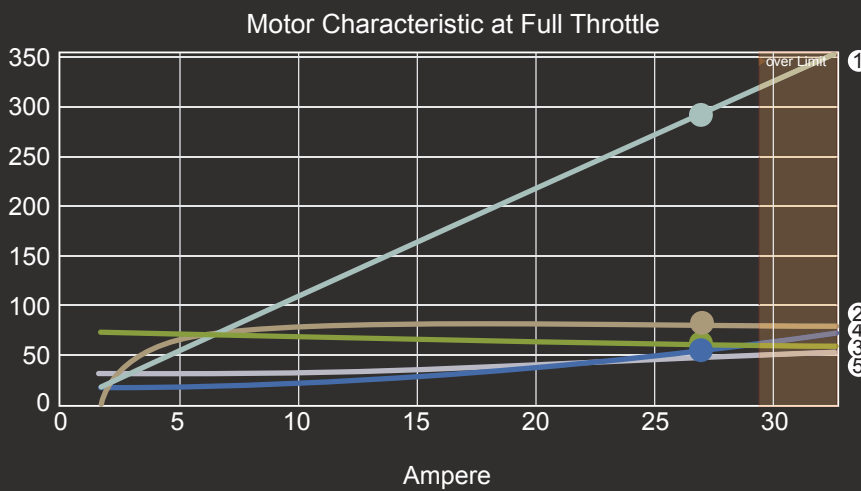
Motor @ Optimum Efficiency

最佳效率

Current(电流):	17A
Voltage(电压):	21.95V
Revolutions(转速):	6593rpm
Electric Power(输入功率):	373.1W
Mech. Power(输出功率):	310.7W
Efficiency(效率):	83.3%

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

Propeller Dualsky MRP 17



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)	2400	35	1.6	22.2	36.1	79	482	13.4
	2800	42	2.5	22.2	55.7	81.3	657	11.8
	3200	48	3.7	22.2	81.8	82.6	858	10.5
	3600	54	5.2	22.1	115.5	83.2	1086	9.4
	4000	61	7.2	22.1	157.9	83.5	1340	8.5
	4400	68	9.5	22.1	210	83.6	1621	7.7
	4800	75	12.4	22	273.2	83.4	1929	7.1
	5200	82	15.9	22	348.4	83.2	2263	6.5
	5600	89	20	21.9	437	82.8	2626	6.0
	6000	97	24.7	21.9	540.2	82.4	3014	5.6
	6155	100	27.2	21.9	593	81.4	3172	5.3