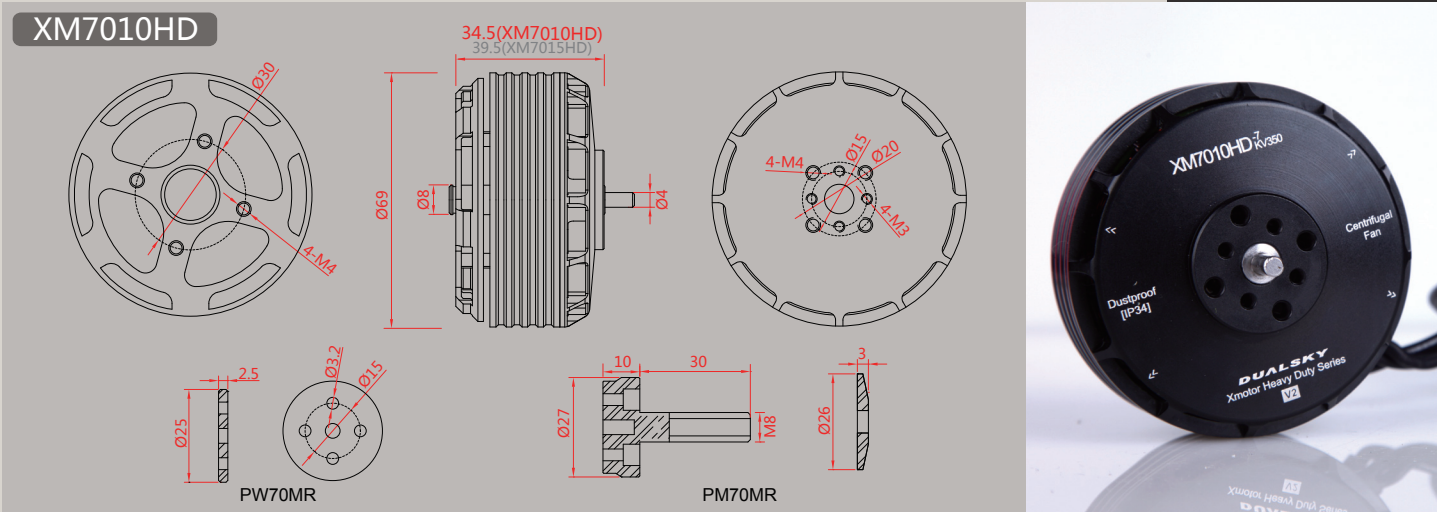


Dimensions



Specification

2nd Generation Heavy duty series for Multi-copter	XM7010HD-7	XM7010HD-16
Item NO. (商品编码)	51448	51449
RPM/V (KV) (KV值)	350	155 High Voltage
Weight w/o wires(g) (重量)	280	280
Diameter(mm) (直径)	69	69
Length(mm) (长度)	34.5	34.5
Diameter of Shaft(mm) (轴径)	IN:8.0, Out:4.0	IN:8.0, Out:4.0
Propeller mounting holes [Pitch, Size] (mm) (桨安装孔距)	(A)15mm, 4-M3 (B)20mm, 4-M4	(A)15mm, 4-M3 (B)20mm, 4-M4
Motor mounting holes [Pitch, Size] (mm) (马达安装孔距)	30mm, 4-M4	30mm, 4-M4
Slots,Poles (极数)	24, 28	24, 28
Idle Current(Io) @10V(A) (空载电流)	1.4	0.5
Resistance(Ri)(mOhm) (电阻)	50	140
Nominal Voltage(V) (额定电压)	22.2V, 6S Lipo	30-51V, 10-12S Lipo
Cruising power(W)[30 mins] (巡航功率)	660	770
Bursts current(A)[30s] (最大电流)	54	32
Peak power(W)[30s] (峰值功率)	1200	1400
Input Wire (线规格)	16AWG, 800mm	16AWG, 800mm
Recommended ESC (调速器)	PCU 60	PCU 80HV
Propeller (螺旋桨配置)	MRP 18"	MRP 18"-20"
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)	7.4	8.6
Weight of Hex-copter(kg)(6轴重量)	11.1	12.9
Weight of Oct-copter(kg) (8轴重量)	14.7	17.2
Memo (备注)	For business aerial photography	For business aerial photography and agriculture spray

XM7010HD (350KV)

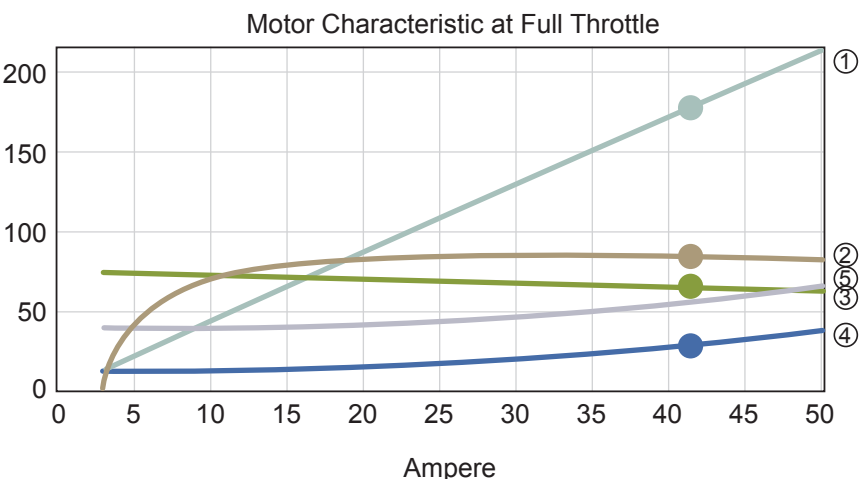
Motor @ Optimum Efficiency

最佳效率

Current(电流):	31.88A
Voltage(电压):	21.72V
Revolutions(转速):	6753rpm
Electric Power(输入功率):	692.7W
Mech. Power(输出功率):	583W
Efficiency(效率):	84.2%

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

Propeller Dualsky MRP 18X6



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	35	2.5	22.2	54.5	78.2	653	12.0
	3000	42	4.1	22.1	90.4	81.4	941	10.4
	3500	50	6.4	22.1	140.5	83.2	1281	9.1
	4000	58	9.4	22.1	207.2	84.2	1673	8.1
	4500	66	13.4	22	293.2	84.7	2119	7.2
	5000	74	18.3	22	401.4	84.9	2616	6.5
	5500	82	24.5	21.9	534.6	84.9	3164	5.9
	6000	91	32	21.8	695.5	84.7	3767	5.4
	6500	100	41.1	21.7	887.3	84.4	4420	5.0
	6509	100	41.8	21.7	901.8	83.6	4432	4.9

XM7010HD (155KV High Voltage)

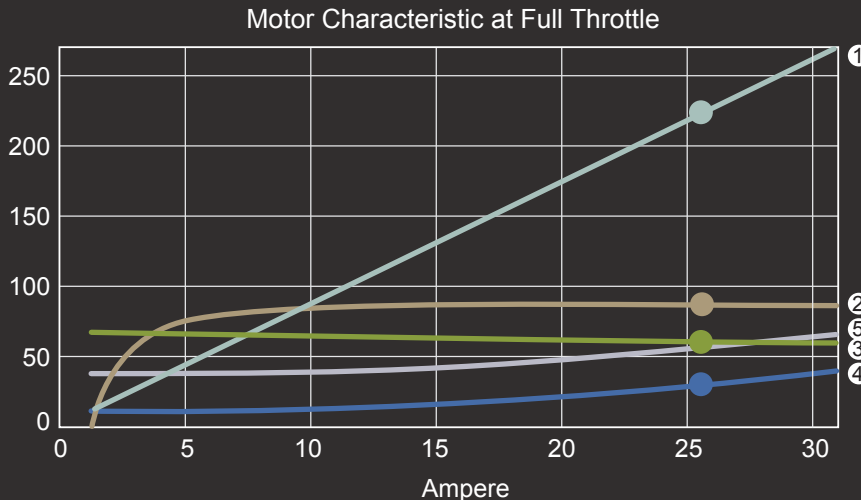
Motor @ Optimum Efficiency

最佳效率

Current(电流):	17.86A
Voltage(电压):	43.91V
Revolutions(转速):	6169rpm
Electric Power(输入功率):	784.4W
Mech. Power(输出功率):	686.8W
Efficiency(效率):	87.6%

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

Propeller Dualsky MRP 20X6



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (DC) (A)	Volage (DC) (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
44.4V (12S LIPO)	2000	31	1.0	44.4	45.8	81	641	14.0
	2400	38	1.7	44.4	76.2	84.2	923	12.1
	2800	44	2.7	44.3	118.4	86.1	1257	10.6
	3200	51	3.9	44.3	174.6	87.1	1641	9.4
	3600	58	5.6	44.3	247	87.7	2077	8.4
	4000	65	7.6	44.2	337.8	87.9	2564	7.6
	4400	72	10.2	44.1	449.3	88	3102	6.9
	4800	79	13.3	44.1	583.9	87.9	3692	6.3
	5200	86	16.9	44	743.9	87.7	4333	5.8
	5600	93	21.3	43.9	931.8	87.5	5026	5.4
	5945	100	25.8	43.8	1126.4	86.7	5663	5.0

Propeller : JXF 29x9.5 CF

Voltage (V)	Propeller (RPM)	Throttle (%)	Current (DC) (A)	el. Power (W)	Thrust (g)	Spec. Thrust (g/W)
22.2V (6S LIPO)	1400	50%	5.2	114.9	1770	15.4
	1720	60%	8.5	187.9	2400	12.8
	1930	70%	12.2	269.6	3000	11.1
	2170	80%	15.9	351.4	3580	10.2
	2450	90%	20.0	442.0	4120	9.3
	2600	100%	24.8	548.1	4660	8.5