

Specification

Heavy duty series for Multi-copter	XM9010HD-6	XM9010HD-13	XM9010HD-14.5
Item NO. (商品编码)	51452	51453	51547
RPM/V (KV) (KV值)	300	140 High Voltage	125
Weight w/o wires(g) (重量)	525	525	525
Diameter(mm) (直径)	89	89	89
Length(mm) (长度)	46.5	46.5	46.5
Diameter of Shaft(mm) (轴径)	IN:10.0, Out:6.0	IN:10.0, Out:6.0	IN:10.0, Out:6.0
Propeller mounting holes	(A)20mm, 4-M4	(A)20mm, 4-M4	(A)20mm, 4-M4
[Pitch, Size] (mm) (桨安装孔距)	(B)32mm, 4-M4	(B)32mm, 4-M4	(B)32mm, 4-M4
Motor mounting holes	(A)32mm, 4-M4	(A)32mm, 4-M4	(A)32mm, 4-M4
[Pitch, Size] (mm) (马达安装孔距)	(B)44mm, 4-M4	(B)44mm, 4-M4	(B)44mm, 4-M4
Slots,Poles (极数)	24, 28	24, 28	24, 28
Idle Current(Io) @10V(A) (空载电流)	2.5	0.8	0.6
Resistance(Ri)(mOhm) (电阻)	32	70	68
Nominal Voltage(V) (额定电压)	22.2V, 6S Lipo	30-51V, 10-12S Lipo	30-51V, 10-12S Lipo
Cruising power(W)[30 mins] (巡航功率)	1150	1420	1200
Bursts current(A)[30s] (峰值电流)	94	58	50
Peak power(W)[30s] (峰值功率)	2100	2600	2220
Input Wire (线规格)	14AWG, 1000mm	14AWG, 1000mm	14AWG, 1000mm
Recommended ESC (调速器)	PCU 100	PCU 80HV	PCU 80HV
Propeller (螺旋桨配置)	MRP 22-24"	MRP 24"	MRP 26"
Propeller adapters (螺旋桨适配器)	Yes	Yes	Yes
Centrifugal fan (离心式风扇设计)	Yes	Yes	Yes
Dynamic balanced rotor (转子动平衡)	Yes	Yes	Yes
Heavy duty design (大负载设计)	Yes	Yes	Yes
Water & dust proof (防水防尘)	Yes (IP34)	Yes (IP34)	Yes (IP34)
Maintenance free (免维护)	Yes	Yes	Yes
Weight of Quad-copter(kg)(4轴重量)	12.8	15.8	14.5
Weight of Hex-copter(kg)(6轴重量)	19.2	23.7	22
Weight of Oct-copter(kg)(8轴重量)	25.6	31.6	30
Memo (备注)	For business agriculture spray 用于工业级多旋翼或农业植保多旋翼		

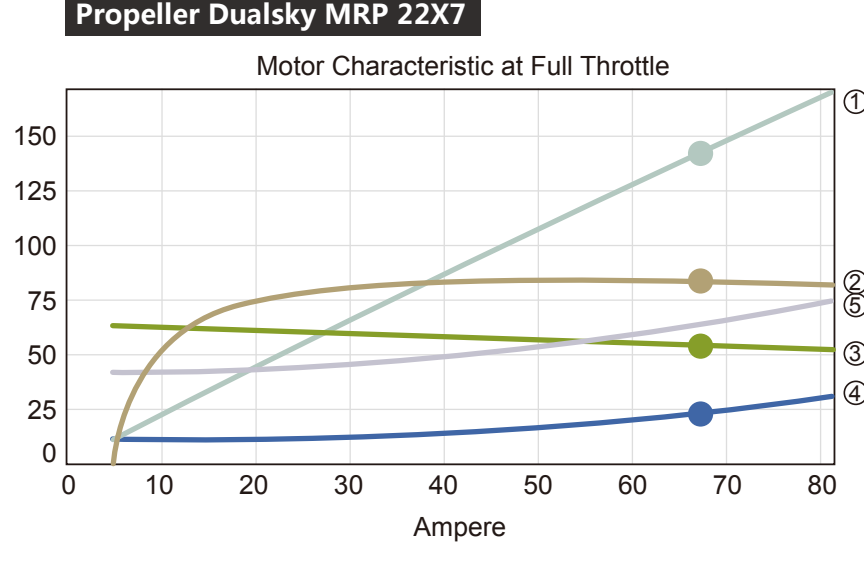
XM9010HD (300KV)

Motor @ Optimum Efficiency

优化效率

Current(电流):	50.07A
Voltage(电压):	21.45V
Revolutions(转速):	5707rpm
Electric Power(输入功率):	1074.3W
Mech. Power(输出功率):	901W
Efficiency(效率):	83.9%

Propeller Dualsky MRP 22X7



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)	2000	33	3.6	22.2	78.9	75.1	930	11.8
	2400	40	5.9	22.1	129.4	79.1	1339	10.3
	2800	47	9.1	22.1	199.4	81.5	1822	9.1
	3200	54	13.3	22	292.6	82.9	2380	8.1
	3600	62	18.9	22	412.7	83.7	3012	7.3
	4000	70	25.9	21.9	563.5	84.1	3718	6.6
	4400	78	34.6	21.8	748.9	84.2	4499	6.0
	4800	86	45.3	21.6	973	84.1	5354	5.5
	5200	94	58.2	21.5	1239.8	84	6283	5.1
	5439	100	67.9	21.3	1437.8	83.1	6874	4.8

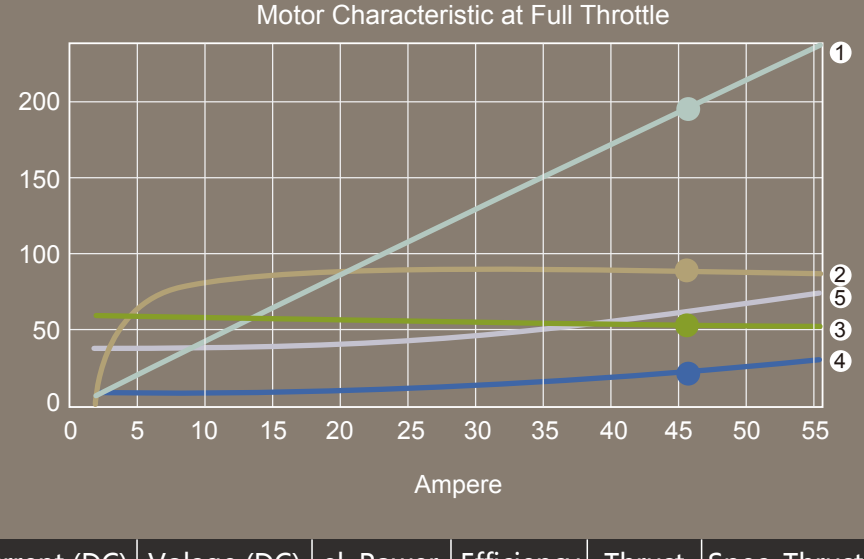
XM9010HD (140KV High Voltage)

Motor @ Optimum Efficiency

优化效率

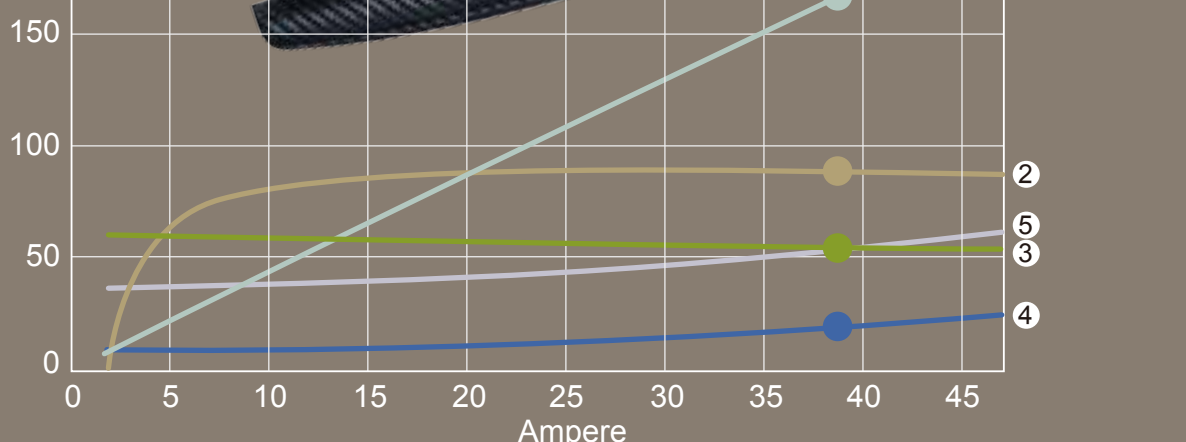
Current(电流):	30.08A
Voltage(电压):	43.57V
Revolutions(转速):	5588rpm
Electric Power(输入功率):	1310.7W
Mech. Power(输出功率):	1171.3W
Efficiency(效率):	89.4%

Propeller Dualsky MRP 24X8



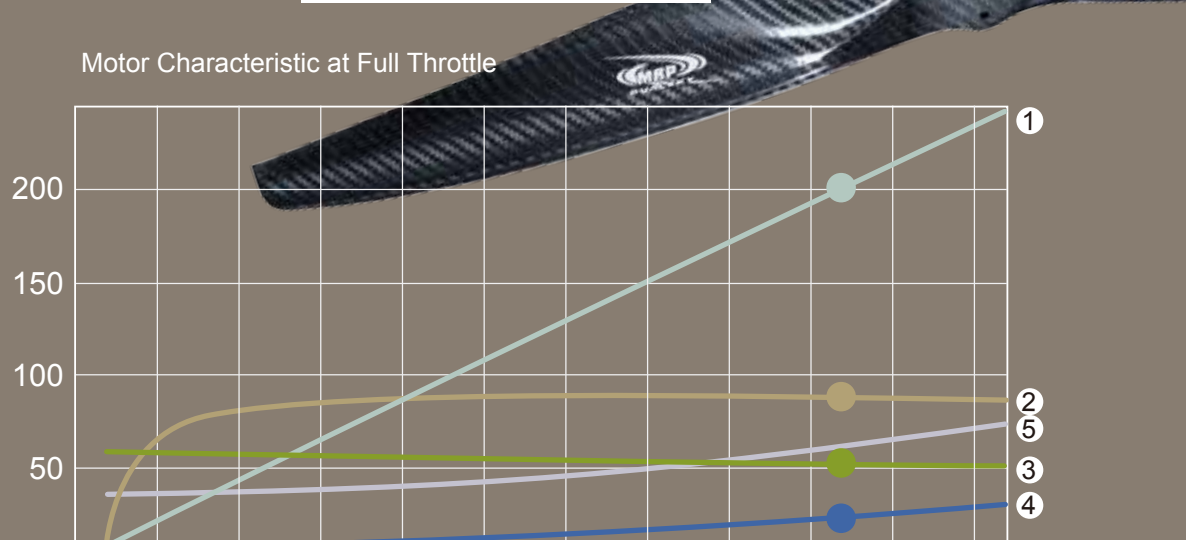
Voltage (V)	Propeller (RPM)	Throttle (%)	Current (DC) (A)	Volage (DC) (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
44.4V (12S LIPO)	1600	27	1.3	44.4	58.5	80.5	847	14.5
	2000	35	2.4	44.3	108.3	84.8	1322	12.2
	2400	42	4.1	44.3	182.2	87.2	1904	10.5
	2800	49	6.5	44.2	285.2	88.4	2592	9.1
	3200	57	9.6	44.2	422.7	89.1	3386	8.0
	3600	64	13.6	44.1	600	89.4	4286	7.1
	4000	72	18.8	43.9	822.7	89.4	5290	6.4
	4400	80	25.1	43.8	1096.4	89.3	6401	5.8
	4800	88	32.8	43.6	1426.9	89.1	7618	5.3
	5200	97	42.1	43.3	1820.1	88.8	8940	4.9
5350	100	46.3	43.2	1996.2	88.3	9466	4.7	

Propeller Dualsky MRP 24CF



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)	1600	28	1.2	44.4	52	81.1	870	16.9
	2000	35	2.2	44.3	96	85.3	1360	14.2
	2400	42	3.7	44.3	162	87.4	1958	12.1
	2800	49	5.7	44.2	253	88.6	2666	10.5
	3200	57	8.5	44.1	373	89.1	3482	9.3
	3600	64	12.0	44	530	89.3	4406	8.3
	4000	72	16.6	43.9	729	89.3	5440	7.5
	4400	80	22.2	43.7	972	89.1	6582	6.8
	4800	89	29.1	43.5	1264	88.8	7833	6.2
	5200	97	37.3	43.3	1614	88.5	9192	5.7
5318	100	40.3	43.2	1739	88.1	9614	5.5	

Propeller Dualsky MRP 26CF



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)	1800	31	2.0	44.3	88	85.4	1362	15.4
	2100	37	3.2	44.3	140	87.1	1853	13.3
	2400	42	4.6	44.3	206	88.1	2421	11.8
	2700	48	6.6	44.2	293	88.6	3084	10.4
	3000	54	9.0	44.1	399	88.8	3783	9.5
	3300	60	12.1	44	533	88.8	4578	8.6
	3600	66	15.8	43.9	692	88.7	5448	7.9
	3900	72	20.2	43.8	883	88.5	6393	7.2
	4200	78	25.4	43.6	1107	88.2	7416	6.7
	4500	85	31.5	43.4	1365	87.8	8512	6.2
4800	91	38.5	43.2	1664	87.5	9686	5.8	
5100	98	46.7	43	2009	87.1	10934	5.4	
5165	100	48.9	42.9	2097	86.7	11213	5.3	

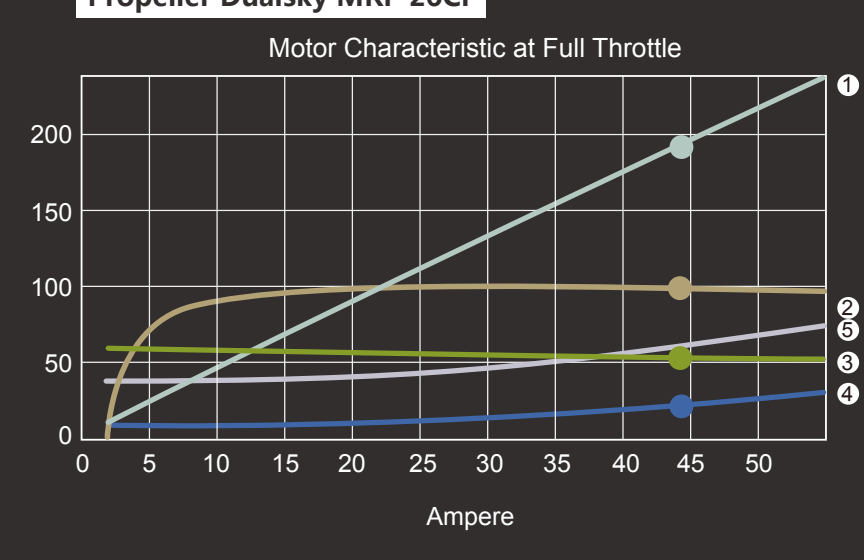
XM9010HD (125KV)

Motor @ Optimum Efficiency

优化效率

Current(电流):	28A
Voltage(电压):	44V
Revolutions(转速):	4950rpm
Electric Power(输入功率):	1232W
Mech. Power(输出功率):	1108.8W
Efficiency(效率):	90%

Propeller Dualsky MRP 26CF



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MRP 22CF						
电源电压	Voltage (V) 工作电压	Throttle(%) 油门	Thrust(Kg) 拉力	Ampere(A) 电流	Power(W) 功率	g/W 效率
45	44.98	30%	1.07	2.1	94.5	11.33
45	44.96	40%	1.50	3.6	161.9	9.27
45	44.93	50%	2.16	5.9	265.1	8.15
45	44.89	60%	3.22	9.7	435.5	7.39
45	44.84	70%	4.20	14.0	627.8	6.69
45	44.78	80%	5.40	19.7	882.2	6.12
45	44.70	90%	6.83	27.0	1206.9	5.66
45	44.67	100%	7.20	29.5	1317.8	5.46

MRP 24CF						
电源电压	Voltage (V) 工作电压	Throttle(%) 油门	Thrust(Kg) 拉力	Ampere(A) 电流	Power(W) 功率	g/W 效率
45	44.98	30%	1.56	2.1	94.5	16.52
45	44.95	40%	2.38	4.1	197.8	12.03
45	44.92	50%	3.04	7.1	318.9	9.53
45	44.86	60%	4.34	12.4	556.3	7.80
45	44.80	70%	5.66	18.0	806.4	7.02
45	44.72	80%	7.02	25.3	1131.4	6.20
45	44.62	90%	8.73	34.1	1521.6	5.74
45	44.58	100%	9.21	38.1	1698.4	5.42

MRP 26CF						
电源电压	Voltage (V) 工作电压	Throttle(%) 油门	Thrust(Kg) 拉力	Ampere(A) 电流	Power(W) 功率	g/W 效率
45	44.97	30%	2.20	2.4	107.9	20.38
45	44.94	40%	3.34	5.4	242.7	13.76
45	44.91	50%	4.07	8.5	381.7	10.66
45	44.84	60%	5.70	14.8	663.6	8.59
45	44.76	70%	7.03	21.4	957.9	7.34
45	44.67	80%	8.56	29.9	1335.6	6.41
45	44.55	90%	10.00	40.9	1821.9	5.49
45	44.51	100%	10.60	44.0	1958.5	5.41