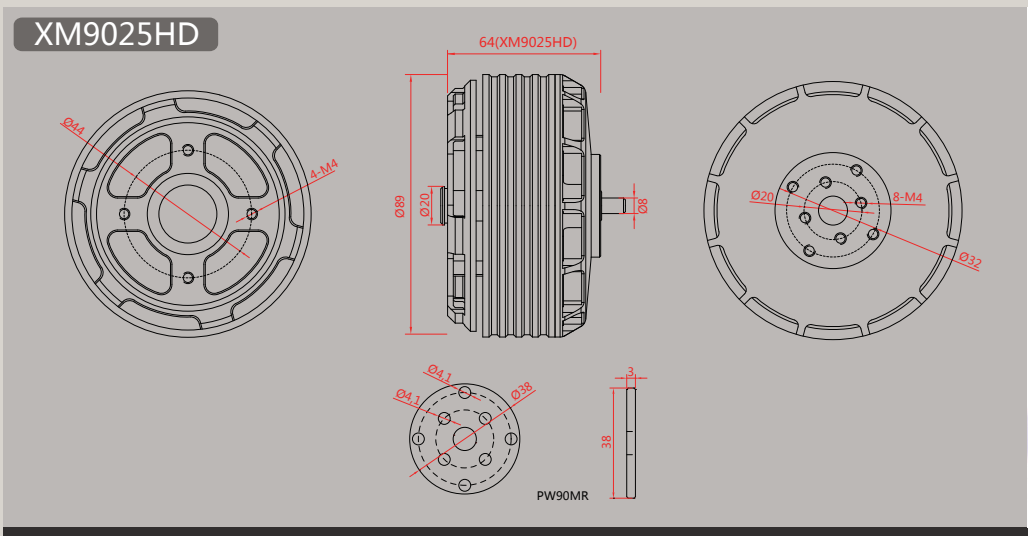
POWERED BY DUALSKY

Dimensions



Specification

2nd Generation Heavy duty series for Multi-copter	XM9025HD-6
Item NO. (商品编码)	51455
RPM/V (KV值)	120RPM/V High Voltage
Weight w/o wires (重量)	1000g
Diameter (直径)	89mm
Length (长度)	64.0mm
Diameter of Shaft (轴径)	IN:20.0mm, Out:8.0mm
Propeller mounting holes [Pitch, Size] (桨安装孔距)	(A)20mm, 4-M4 (B)32mm, 4-M4
Motor mounting holes [Pitch, Size] (马达安装孔距)	(A)32mm, 4-M4 (B)44mm, 4-M4
Slots,Poles (极数)	24, 28
Idle Current(Io) @10V (空载电流)	1.4A
Resistance(Ri) (电阻)	36mOhm
Nominal Voltage (额定电压)	30-51V, 10-12S Lipo
Cruising power[30 mins] (巡航功率)	2730W
Bursts current[30s] (最大电流)	112A
Peak power[30s] (峰值功率)	5000W
Input Wire (线规格)	12AWG, 1000mm
Recommended ESC (调速器)	PCU 80HV
Propeller (螺旋桨配置)	28-30" Multcopter Propeller
Propeller adapters (螺旋桨适配器)	N/A
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)	30.4kg
Weight of Hex-copter (6轴重量)	45.6kg
Weight of Oct-copter (8轴重量)	60.8kg
Memo (备注)	For business agriculture spray

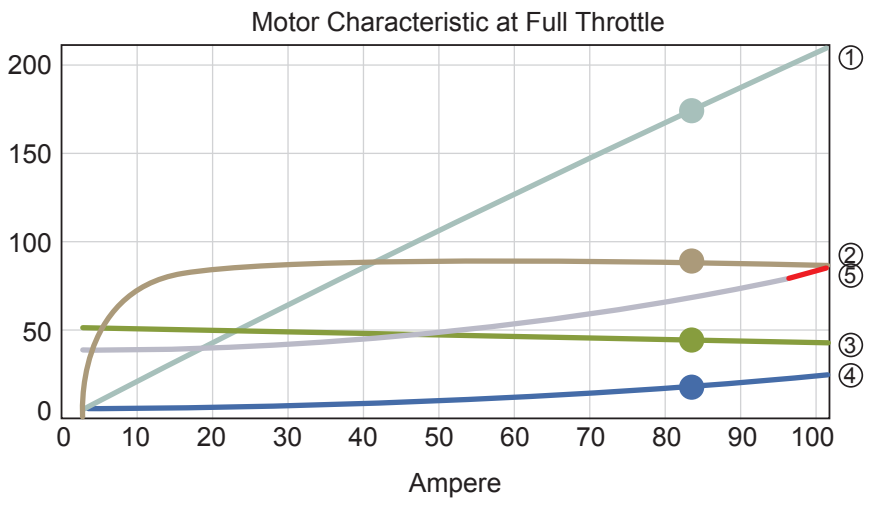
XM9025HD (120KV High Voltage)

Motor @ Optimum Efficiency
最佳效率

Current(电流):	50.81A
Voltage(电压):	43V
Revolutions(转速):	4761rpm
Electric Power(输入功率):	2185.1W
Mech. Power(输出功率):	1979.2W
Efficiency(效率):	90.6%

① el. Power [in 20W]
②Efficiency [%]
③max. Revolutions [in 100rpm]
④waste Power[W]
⑤Motor Case Temp. [°C]
Motor Case Temp.overlimit [°C]

Propeller Dualsky MRP 30X10



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)	1500	30	3.2	44.3	141.4	83.7	1817	12.8
	1800	36	5.3	44.3	236	86.6	2616	11.1
	2100	43	8.3	44.2	367.6	88.3	3560	9.7
	2400	49	12.3	44.1	542.8	89.3	4650	8.6
	2700	56	17.5	44	768.3	89.8	5884	7.7
	3000	63	24.1	43.8	1051.1	90.1	7264	6.9
	3300	70	32.2	43.6	1398.1	90.1	8791	6.3
	3600	77	42.1	43.3	1816.7	90.1	10461	5.8
	3900	84	54	43	2313.9	89.9	12278	5.3
	4200	92	68.2	42.7	2897.4	89.7	14239	4.9
	4489	100	84.7	42.3	3562	89.2	16266	4.6

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