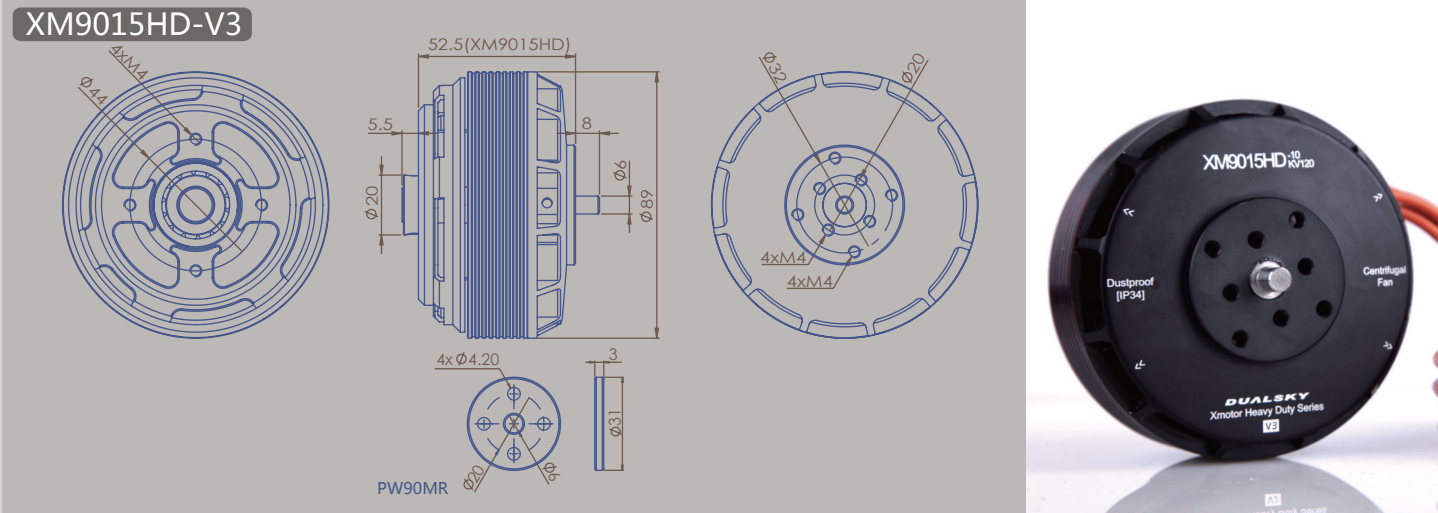


Dimensions



Specification

Heavy duty series for Multi-copter	XM9015HD-10
Item NO. (商品编码)	51454
RPM/V (KV值)	120RPM/V High Voltage
Weight w/o wires (重量)	665g
Diameter (直径)	89mm
Length (长度)	51.5mm
Diameter of Shaft (轴径)	IN:10.0mm, Out:6.0mm
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)	0.9A
Resistance(Ri) (电阻)	58mOhm
Nominal Voltage (额定电压)	30-51V, 10-12S Lipo
Cruising power[30 mins] (巡航功率)	1770W
Bursts current[30s] (最大电流)	72A
Peak power[30s] (峰值功率)	3200W
Input Wire (线规格)	14AWG, 1000mm
Recommended ESC (调速器)	PCU 80HV
Propeller (螺旋桨配置)	24-26" Multcopter Propeller
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)	19.6kg
Weight of Hex-copter (6轴重量)	29.5kg
Weight of Oct-copter (8轴重量)	39.3kg
Memo (备注)	For business agriculture spray

XM9015HD (120KV High Voltage)

螺旋桨：FALCON 29X9.5			电压：12s满电(48V )		
拉力 (kg)	油门 (%)	电压 (V)	电流 (A)	功率 (W)	效率 (g/W)
3.8	30	48	7.5	362	10.5
5	40	48	10.3	494	10.1
6.1	45	48	13.8	663	9.2
7	50	48	17.9	859	8.1
8.7	62.5	48	24.8	1192	7.3
10	75	48	32	1536	6.5
11.6	82.5	48	40.3	1933	6.0
13	90	48	49	2352	5.5
14.8	95	48	60.5	2902	5.1
15.5	100	48	66.6	3197	4.8

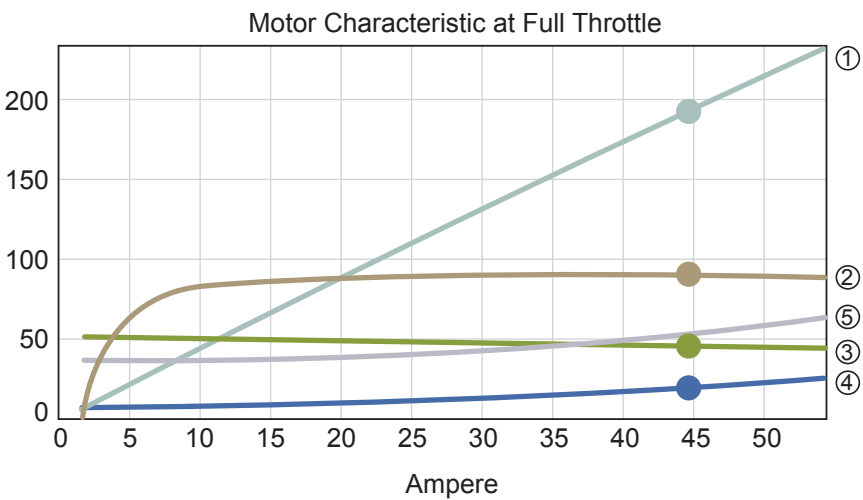
Motor @ Optimum Efficiency

最佳效率

Current(电流):	32.39A
Voltage(电压):	43.51V
Revolutions(转速):	4813rpm
Electric Power(输入功率):	1409.1W
Mech. Power(输出功率):	1274.1W
Efficiency(效率):	90.4%

- ① el. Power [in 10W]
- ②Efficiency [%]
- ③max. Revolutions [in 100rpm]
- ④waste Power[W]
- ⑤Motor Case Temp. [°C]

Propeller Dualsky MRP 26X8



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	1.6	44.4	71.9	80.8	1029	14.3
	1800	36	2.7	44.3	118.6	84.6	1481	12.5
	2100	42	4.1	44.3	183.3	87	2016	11.0
	2400	49	6.1	44.2	269.1	88.4	2633	9.8
	2700	55	8.6	44.2	379.2	89.3	3332	8.8
	3000	61	11.7	44.1	517	89.9	4114	8.0
	3300	68	15.6	44	685.8	90.2	4979	7.3
	3600	75	20.3	43.9	888.9	90.3	5924	6.7
	3900	82	25.9	43.7	1129.9	90.4	6953	6.2
	4200	89	32.5	43.6	1412.1	90.3	8064	5.7
	4500	96	40.2	43.4	1739.2	90.2	9258	5.3
	4671	100	45.3	43.3	1954.4	89.9	9977	5.1