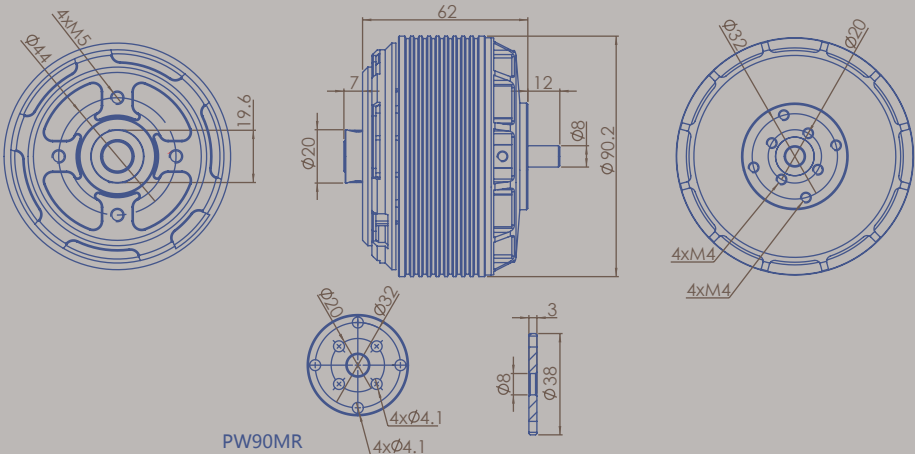


Dimensions

XM9025HD-V3



Specification

|   |                                |
|---|--------------------------------|
| 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<br>[Pitch, Size] (桨安装孔距) | (A)20mm, 4-M4<br>(B)32mm, 4-M4 |
| Motor mounting holes<br>[Pitch, Size] (马达安装孔距)    | (A)32mm, 4-M4<br>(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)

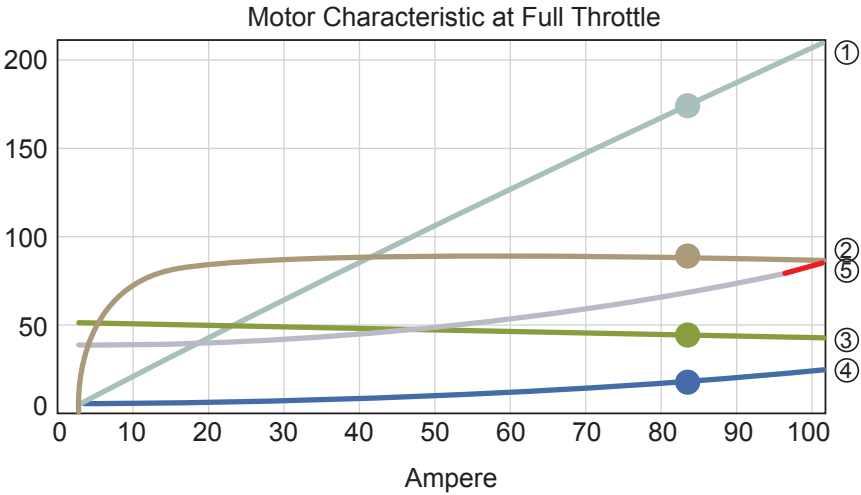
Motor @ Optimum Efficiency

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<br>(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                |