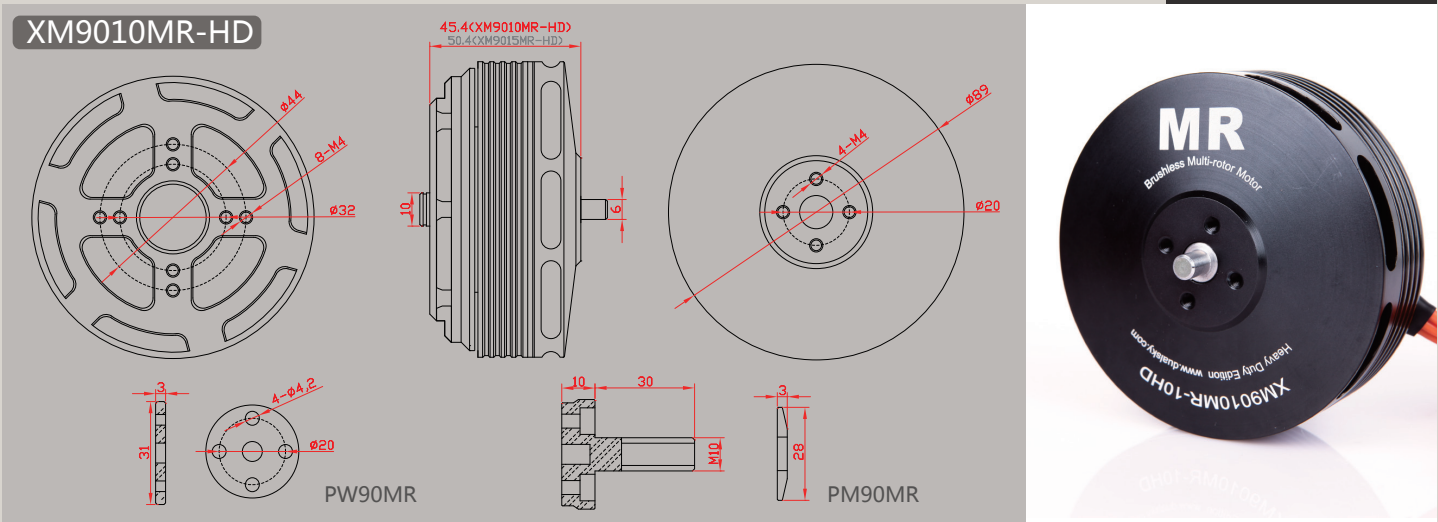


Dimensions



Specification

|  |   |
|--|---|
| Heavy duty motor for Multi-Rotor               | XM9010MR-10HD   |
| Item NO. (商品编码)                                | 51315   |
| RPM/V (KV值)                                    | 185RPM/V  |
| Weight w/o wires (重量)                          | 485g  |
| Diameter (直径)                                  | 89mm  |
| Length (长度)                                    | 45.4mm  |
| Diameter of Shaft (轴径)                         | IN:10.0mm, Out:6.0mm                                      |
| Propeller mounting holes[Pitch, Size] (桨安装孔间距) | 20mm, 4-M4  |
| Motor mounting holes [Pitch, Size] (马达安装孔间距)   | (A)32mm, 4-M4, (B)44mm, 4-M4                              |
| Slots,Poles (极数)                               | 24, 28  |
| Idle Current(Io) @10V (空载电流)                   | 1.3A  |
| Resistance(Ri) (电阻)                            | 65mOhm  |
| Nominal Voltage (额定电压)                         | 30-51V, 10-12S Lipo                                       |
| Cruising power[30mins] (巡航功率)                  | 1400W   |
| Bursts current[30s] (最大电流)                     | 57A   |
| Peak power[30s] (峰值功率)                         | 2540W   |
| Input Wire (输入线)                               | 14AWG, 1000mm   |
| Recommended ESC (推荐调速器)                        | PCU 80HV  |
| Propeller (螺旋桨配置)                              | MRP 18x5, Max thrust 8.2kg<br>MRP 20x6, Max thrust 10.3kg |
| Propeller adapters (桨适配器)                      | Yes   |
| Centrifugal fan (离心式风扇)                        | Yes   |
| Dynamic balanced rotor (动平衡转子)                 | Yes   |
| High heavy design (高重设计)                       | Yes   |
| Water & duty proof (防水防尘)                      | Yes (IP34)  |
| Maintenance free (免费维修)                        | Yes   |
| Weight of Quad-copter (四旋翼重量)                  | 15.5kg  |
| Weight of Hex-copter (六旋翼重量)                   | 23kg  |
| Weight of Oct-copter (八旋翼重量)                   | 31kg  |

XM9010HD (185KV)

| Voltage (V)<br>工作电压 | Propeller<br>螺旋桨 | Throttle(%)<br>油门 | Thrust(g)<br>拉力 | Ampere(A)<br>电流 | Power(W)<br>功率 | g/W<br>效率 |
|---------------------|------------------|-------------------|-----------------|-----------------|----------------|-----------|
| 44.4V<br>(12S LIPO) | MRP 18×5         | 50%               | 3890            | 13.2            | 586.3          | 6.6       |
|                     |                  | 60%               | 5780            | 22.5            | 999.7          | 5.8       |
|                     |                  | 70%               | 7620            | 34.4            | 1526.9         | 5.0       |
|                     |                  | 85%               | 7880            | 36.3            | 1611.3         | 4.9       |
|                     |                  | 100%              | 8240            | 36.5            | 1619.7         | 5.1       |
|                     | MRP 20×6         | 50%               | 5140            | 18.5            | 822.5          | 6.2       |
|                     |                  | 60%               | 7380            | 30.5            | 1354.0         | 5.5       |
|                     |                  | 70%               | 9960            | 46.7            | 2075.3         | 4.8       |
|                     |                  | 85%               | 10090           | 50.5            | 2244.0         | 4.5       |
|                     |                  | 100%              | 10300           | 50.6            | 2248.2         | 4.6       |