



## Specification

| 3rd Generation Heavy duty series for Multi-copter      | XM5015HD-6                       | XM5015HD-7                       |
|--|----------------------------------|----------------------------------|
| Item NO. (商品编码)  | 51446                            | 51447                            |
| RPM/V (KV) (KV值)                                       | 390                              | 340                              |
| Weight w/o wires(g) (重量)                               | 165                              | 165                              |
| Diameter(mm) (直径)                                      | 49                               | 49                               |
| Length(mm) (长度)  | 37                               | 37                               |
| Diameter of Shaft(mm) (轴径)                             | IN:6.0, Out:4.0                  | IN:6.0, Out:4.0                  |
| Propeller mounting holes<br>[Pitch, Size] (mm) (桨安装孔距) | 12mm, 4-M3                       | 12mm, 4-M3                       |
| Motor mounting holes<br>[Pitch, Size] (mm) (马达安装孔距)    | (A)25mm , 4-M3<br>(B)32mm , 3-M3 | (A)25mm , 4-M3<br>(B)32mm , 3-M3 |
| Slots,Poles (极数)                                       | 24, 28                           | 24, 28                           |
| Idle Current(Io) @10V(A) (空载电流)                        | 1.1                              | 0.8                              |
| Resistance(Ri)(mOhm) (电阻)                              | 80                               | 100                              |
| Nominal Voltage(V) (额定电压)                              | 22.2V, 6S Lipo                   | 22.2V, 6S Lipo                   |
| Cruising power(W)[30 mins] (巡航功率)                      | 380                              | 350                              |
| Bursts current(A)[30s] (最大电流)                          | 31                               | 29                               |
| Peak power(W)[30s] (峰值功率)                              | 700                              | 640                              |
| Input Wire (线规格)                                       | 18AWG, 600mm                     | 18AWG, 600mm                     |
| Recommended ESC (调速器)                                  | XC-401-MR                        | XC-401-MR                        |
| Propeller (螺旋桨配置)                                      | MRP 16"                          | MRP 17"                          |
| Propeller adapters (螺旋桨适配器)                            | Yes                              | Yes                              |
| Centrifugal fan (离心式风扇设计)                              | Yes                              | Yes                              |
| Dynamic balanced rotor (转子动平衡)                         | Yes                              | Yes                              |
| Heavy duty design (大负载设计)                              | Yes                              | Yes                              |
| Water & dust proof (防水防尘)                              | Yes (IP34)                       | Yes (IP34)                       |
| Maintenance free (免维护)                                 | Yes                              | Yes                              |
| Weight of Quad-copter(kg)(4轴重量)                        | 4.3                              | 3.9                              |
| Weight of Hex-copter(kg)(6轴重量)                         | 6.4                              | 5.8                              |
| Weight of Oct-copter(kg) (8轴重量)                        | 8.5                              | 7.8                              |
| Memo (备注)  | For business aerial photography  |                                  |

# XM5015HD (390KV)

### Motor @ Optimum Efficiency

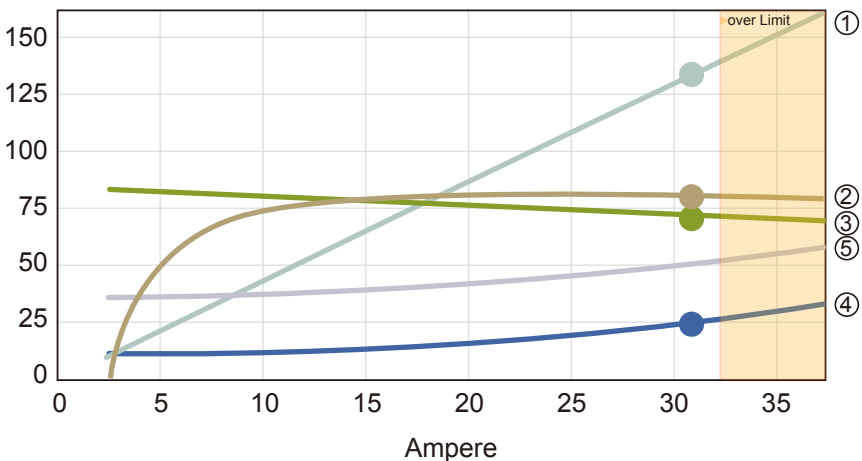
## 最佳效率

|                       |         |
|-----------------------|---------|
| Current(电流):          | 23.08A  |
| Voltage(电压):          | 21.86V  |
| Revolutions(转速):      | 7464rpm |
| Electric Power(输入功率): | 504.5W  |
| Mech. Power(输出功率):    | 413.5W  |
| Efficiency(效率):       | 82%     |

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

## Propeller Dualsky MRP 16X5

### Motor Characteristic at Full Throttle



| 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) | 2500            | 32           | 1.4              | 22.2            | 31.4          | 74.8           | 406        | 12.9               |
|                 | 3000            | 38           | 2.3              | 22.2            | 51.7          | 78.6           | 584        | 11.3               |
|                 | 3500            | 45           | 3.6              | 22.2            | 79.8          | 80.8           | 796        | 10.0               |
|                 | 4000            | 52           | 5.3              | 22.1            | 117.3         | 82             | 1039       | 8.9                |
|                 | 4500            | 59           | 7.5              | 22.1            | 165.7         | 82.7           | 1314       | 7.9                |
|                 | 5000            | 66           | 10.3             | 22.1            | 226.4         | 83             | 1622       | 7.2                |
|                 | 5500            | 74           | 13.7             | 22              | 301.2         | 83.1           | 1963       | 6.5                |
|                 | 6000            | 82           | 17.9             | 22              | 391.6         | 82.9           | 2337       | 6.0                |
|                 | 6500            | 89           | 22.9             | 21.9            | 499.4         | 82.7           | 2742       | 5.5                |
|                 | 7000            | 97           | 28.8             | 21.8            | 626.2         | 82.4           | 3180       | 5.1                |
| 7139            | 100             | 31.1         | 21.8             | 676.4           | 81.2          | 3308           | 4.9        |                    |

# XM5015HD (340KV)

## Motor @ Optimum Efficiency

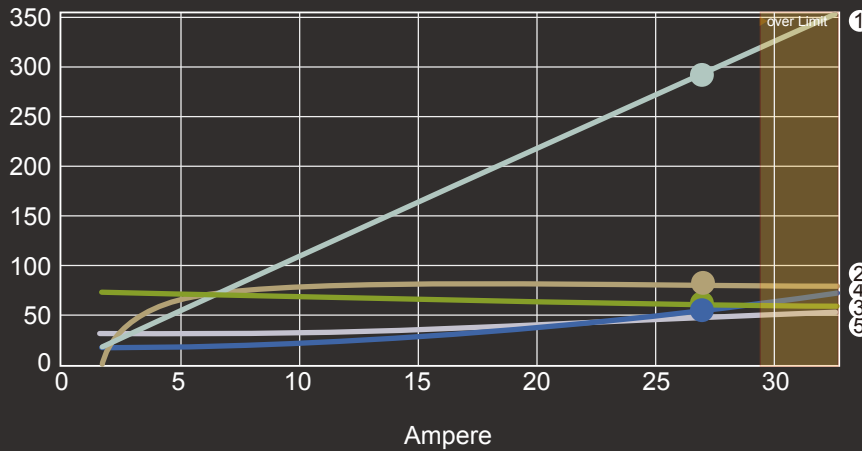
## 最佳效率

|                       |         |
|-----------------------|---------|
| Current(电流):          | 17A     |
| Voltage(电压):          | 21.95V  |
| Revolutions(转速):      | 6593rpm |
| Electric Power(输入功率): | 373.1W  |
| Mech. Power(输出功率):    | 310.7W  |
| Efficiency(效率):       | 83.3%   |

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

## Propeller Dualsky MRP 17

### Motor Characteristic at Full Throttle



| 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) | 2400            | 35           | 1.6              | 22.2            | 36.1          | 79             | 482        | 13.4               |
|                 | 2800            | 42           | 2.5              | 22.2            | 55.7          | 81.3           | 657        | 11.8               |
|                 | 3200            | 48           | 3.7              | 22.2            | 81.8          | 82.6           | 858        | 10.5               |
|                 | 3600            | 54           | 5.2              | 22.1            | 115.5         | 83.2           | 1086       | 9.4                |
|                 | 4000            | 61           | 7.2              | 22.1            | 157.9         | 83.5           | 1340       | 8.5                |
|                 | 4400            | 68           | 9.5              | 22.1            | 210           | 83.6           | 1621       | 7.7                |
|                 | 4800            | 75           | 12.4             | 22              | 273.2         | 83.4           | 1929       | 7.1                |
|                 | 5200            | 82           | 15.9             | 22              | 348.4         | 83.2           | 2263       | 6.5                |
|                 | 5600            | 89           | 20               | 21.9            | 437           | 82.8           | 2626       | 6.0                |
|                 | 6000            | 97           | 24.7             | 21.9            | 540.2         | 82.4           | 3014       | 5.6                |
| 6155            | 100             | 27.2         | 21.9             | 593             | 81.4          | 3172           | 5.3        |                    |