Power and torque requirements of enthusiasts, the high output 800MX motor was born in Align's R&D lab. With dramatic increase in torque and power output, capable of 5100 watts continuous power output and 11000 watts of burst power! 800MX Motor has passed various thorough inspections made by our technical department, including motive testing, static testing, magnetic field testing, heat resistance and magnetic loss testing, running balance and vibration testing, noise testing, and many hours of actual loading and flying testing, etc. Align is proud to provide the latest innovations in RC Modelling to its consumers. Please enjoy your Align products safely.

The motor rotates in different direction with different brand ESCs. If the wrong rotating direction happens, please switch any two cables to make the motor rotates in right direction.

### SPECIFICATION 尺寸規格

<table>
<thead>
<tr>
<th>KV</th>
<th>520KV (RPM/V)</th>
<th>Input Voltage</th>
<th>125</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stator Diameter</td>
<td>45 mm</td>
<td>Stator Thickness</td>
<td>30mm</td>
</tr>
<tr>
<td>Stator Arms</td>
<td>12</td>
<td>Magnet Poles</td>
<td>10</td>
</tr>
<tr>
<td>Max continuous current</td>
<td>115A</td>
<td>Max instantaneous current</td>
<td>250A (2sec/2sec)</td>
</tr>
<tr>
<td>Max continuous power</td>
<td>5100W</td>
<td>Max instantaneous power</td>
<td>11000W (2sec/2sec)</td>
</tr>
<tr>
<td>Dimension</td>
<td>Shaft φ 8x56.7x109.4mm</td>
<td>Weight</td>
<td>Approx. 518g</td>
</tr>
</tbody>
</table>

### FEATURES 特性說明

1. 800MX features high efficiency, superior power, excellent torque, low current draw and low temperature; it's capable of maintaining consistent torque and head speed through continuous 3D maneuvers.
2. Due to the 800MX's high efficiency and low current draw, the standard equipment 120A electronic speed controller are sufficient to experience the power of this motor, and extend battery longevity.
3. The 800MX motor armature had a special balance adjust to the serious shaking problem.
4. Maintenance free, high torque, high efficiency, stable and quiet.
5. High-speed ball bearings, powerful magnetic outrunner rotor.
6. Suitable for other 700 sized models with φ 8mm hole diameter for motor shaft reared.

### ILLUSTRATION 接線示意图

![BL Speed Controller 電子遙控接收器接線示意圖](image)

DC Power

Brushless Motor 無刷馬達

Red Blue Black

Black+

Red+

Throttle Signal (Racalver) 頭部訊號 (接收器)

### Instruction

1. 800MX馬達具有高效率、高扭力、低電流與低溫之表現，成套的3D動作可以省去電池扭力輸出，攪拌飛行都能維持一致的動力輸出，頭部幾乎可以維持在完全可使，不抖動。
2. 800MX馬達之高效率、低電流表現，電子遙控器只需要標準120A的標準配備，就能完全發揮馬達之威力，與延長電池的使用壽命。
3. 800MX馬達轉子皆經過特殊平衡校正，改良一般無刷外轉馬達平衡不佳，易產生嚴重震動的缺失。
4. 低耗電、高扭力、高效率、低電流、低溫運、控制穩定。
5. 低噪音、抗震性、抗電磁干擾。
6. 適用其他使用φ 8mm頭部螺紋的700級機型。