520MX (1600KV/3527) MOTOR USERMANUAL

This new Brushless motor developed by the ALIGN POWER R&D TEAM, is packed with the latest, cutting edge technology available today. It features exceptional levels of high-torque power. The 520MX utilizes an 8-pole outrunner stator-rotor and unrivalled NdFeB extra strong magnets that traditional magnets cannot compare to. Also included is a high temperature, wear-resisting, low friction, double ZZ high efficiency bearing. The 500MX will be the most revolutionary motor operating on low current amperage, and delivering high torque to RC models.

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.

<table>
<thead>
<tr>
<th>KV</th>
<th>Input Voltage</th>
<th>Stator Diameter</th>
<th>Stator Thickness</th>
<th>Max continuous current</th>
<th>Max continuous power</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>1600KV</td>
<td>44.4V</td>
<td>35 mm</td>
<td>27 mm</td>
<td>85A</td>
<td>1900W</td>
<td>Shaft φ 6x45x71.7 mm</td>
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</tbody>
</table>

**FEATURES**

1. Brand new 520MX motor is especially designed for power upgraded T-REX 500X, normally found in 600 Class high spec helicopter, that enthusiasts can clearly feel the dramatic increase in power and torque, while taking advantage of its higher efficiency, lower current and temperature benefits.
2. The 520MX motor armature had a special balance adjust to improve the serious shaking problem.
3. Maintenance free, high torque, high efficiency, stable and quiet.
4. High-speed ball bearings, powerful magnetic outrunner rotor.
5. Suitable for T-REX 500X helicopters.

**SPECIFICATION**

**ILLUSTRATION**