

520MX (1600KV/3527) MOTOR USER MANUAL

馬達說明書

ALIGN

520MX (1600KV/3527) MOTOR 關於520MX (1600KV/3527) 馬達

CE FC

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 6-pole outrunner stator-rotor and unrivaled 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.

由亞拓動力團隊獨家研發出新款的無刷馬達，具有超高扭力特色，採用9槽矽鋼片、6極外轉子以及傳統磁鐵無法比擬的鈹鐵超強磁鐵，搭配高溫耐磨的雙ZZ超高效能精密軸承設計，電流低、扭力強，將是下一波動革命中的最具代表性的一顆星。

SPECIFICATION 尺寸規格

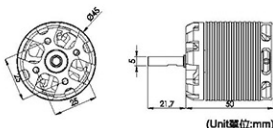


ILLUSTRATION 接線示意圖



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.

由於各品牌電子變速器的馬達啟動轉向不盡相同，若發生轉向錯誤時，請將馬達與電子變速器的接線任兩條對調即可。

KV KV值	1600KV(RPM/V)	Input voltage 輸入電壓	6S
Stator Diameter 定子外徑	35 mm	Stator Thickness 定子高度	27mm
Stator Arms 矽鋼片槽數	9	Magnet Poles 磁鐵極數	6
Max continuous current 最大持續電流	85A	Max instantaneous current 最大瞬間電流	130A(2sec/2秒)
Max continuous power 最大持續功率	1900W	Max instantaneous power 最大瞬間功率	2750W(2sec/2秒)
Dimension 尺寸	Shaft 軸 ϕ 5x45x71.7mm	Weight 重量	Approx.約 267g

FEATURES 特性說明

- 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.
- The 520MX motor armature had a special balance adjust to improve the serious shaking problem.
- Maintenance free, high torque, high efficiency, stable and quiet.
- High-speed ball bearings, powerful magnetic outrunner rotor.
- Suitable for T-REX 500X helicopters.
- 針對T-REX 500X動力提升的全新520MX馬達，屬於600級直昇機用的高規格等級，在飛行上會感受到動力與扭力的大幅提升，亦有高效率、低耗電與低溫的優異表現。
- 520MX馬達轉子皆經過特殊平衡校正，改善一般無外殼外轉馬達平衡不佳，易產生嚴重震動的缺失。
- 免保養、高扭力、高效率、低噪音、低溫昇、控制穩定。
- 高速滾珠軸承、高磁通外轉子。
- 適用T-REX 500X系列直昇機。

亞拓電器股份有限公司
ALIGN CORPORATION LIMITED

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2017.Feb.14 G20561