

300MX (3700KV/2216) MOTOR USERMANUAL 馬達說明書 ALIGN

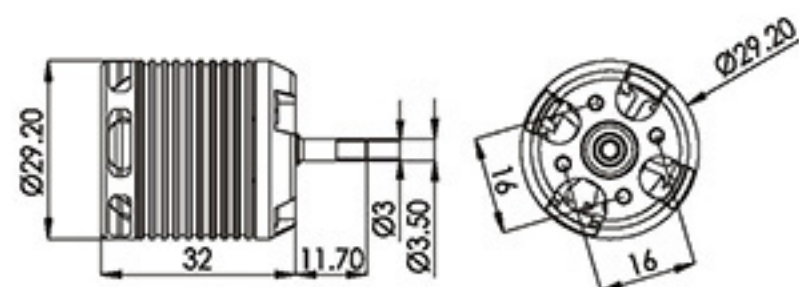
300MX MOTOR 關於300MX馬達



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 300MX utilizes an 6-pole outrunner stator-rotor and unrivaled Ndfb 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 300MX will be the most revolutionary motor operating on low current amperage, and delivering high torque to RC models.

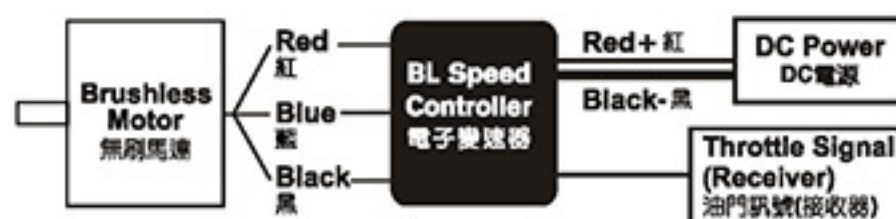
由亞拓動力團隊獨家研發出新款的無刷馬達，具有超高扭力特色，採用9槽矽鋼片、6極外轉子以及傳統磁鐵無法比擬的鈹鐵錒超強磁鐵，搭配高溫耐磨的雙ZZ超高效能精密軸承設計，電流低、扭力強，將是下一波動革命中的最具代表性的一顆星。

SPECIFICATION 尺寸規格



(Unit單位:mm)

WIRING 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	3700KV(RPM/V)	Input Voltage 輸入電壓	3S
Stator Diameter 定子外徑	21.9 mm	Stator Thickness 定子高度	16mm
Stator Arms 矽鋼片槽數	9	Magnet Poles 磁鐵極數	6
Max Continuous Current 最大持續電流	24A	Max Instantaneous Current 最大瞬間電流	36A(5sec/5秒)
Max Continuous Power 最大持續功率	260W	Max Instantaneous Power 最大瞬間功率	400W(5sec/5秒)
Dimension 尺寸	Shaft 軸 $\phi 3.5 \times 29.2 \times 43.7 \text{mm}$	Weight 重量	Approx.約 70g

FEATURES 特性說明

1. The 300MX has a light, compact design. Gilt terminals are included for simple connection with ESC. The motor operates with very high efficiency, and low power consumption. The motors will provide many hours of smooth, reliable, quiet, and efficient flying.
2. The motors feature High-speed ball bearings, powerful magnetic outrunner rotor.
3. These new brush less motors are designed with a new radiator system. The motors are built with an integrated cooling fan and has air ingress/egress vents, circulating cool air inside The rotor Continuously. The motors efficiently lower operating temperature.

1. 體積小、高效率低耗電、無噪音、控制穩定！
2. 高速滾珠軸承、高磁通外轉子。
3. 特殊風扇型轉子設計，可有效降低馬達負載運轉溫度。