



570KV Brushless Motor for Fixed Wing Drone

\$179.69

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Long shaft 570KV brushless motor for sale, stator diameter 28mm, stator thickness 20mm, fixed wing drone motor battery 3-4S, with propeller drone stator end cap hollow design around, but also increase the heat dissipation area, so that better heat dissipation.

SKU: **BLDC-FWD-570**

Speed KV (RPM/V) *

570KV

- 1 +

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Overview

Reviews

Overview

Small brushless motor for fixed wing drone, low price, speed options from 570KV, 860KV to 1250KV, recommended to use with propellers, enhanced anti-loop, safe and stable, the active heat sink can greatly reduce the motor temperature, improve the life of brushless motor.

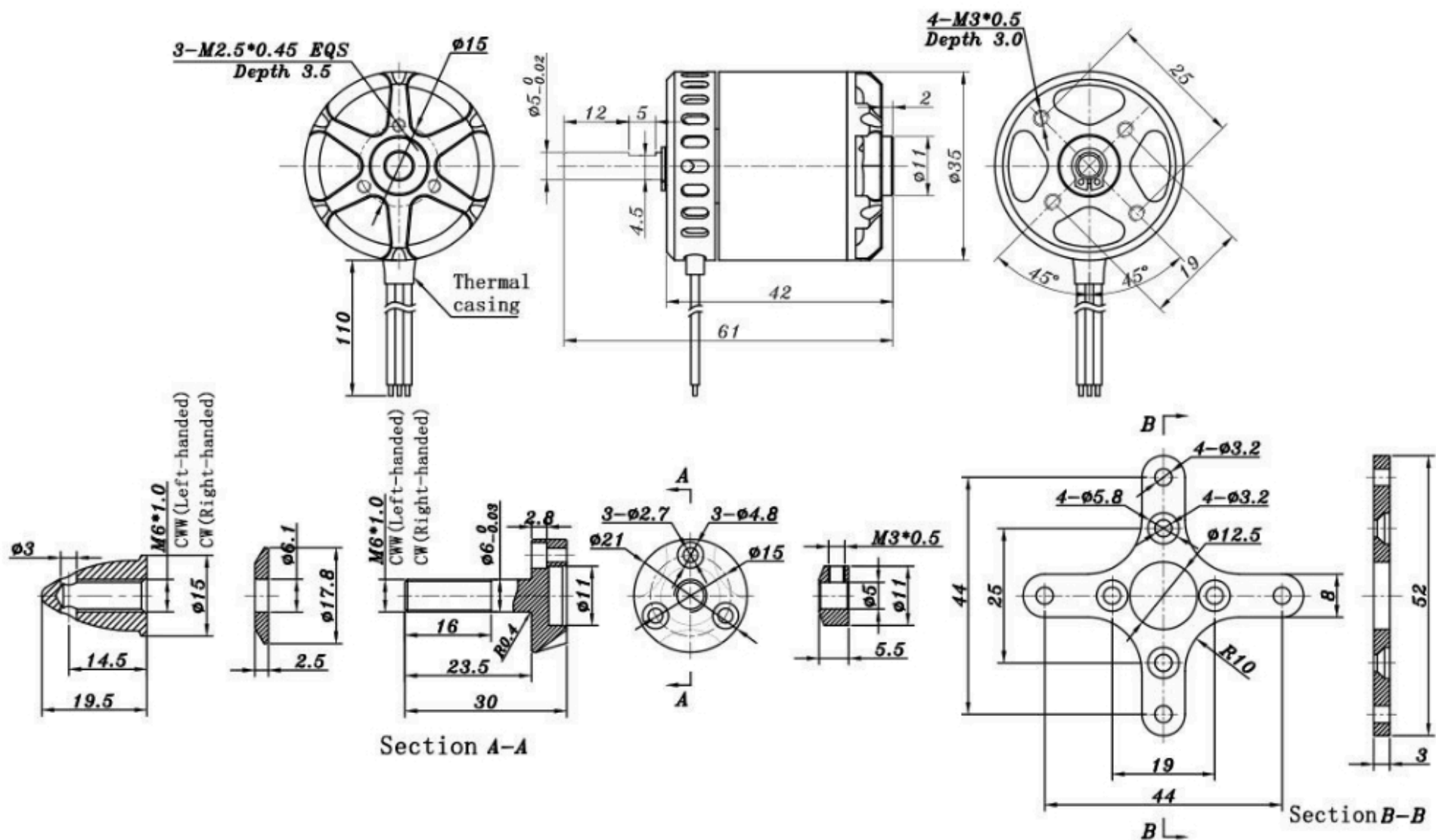
Basic Specifications

Model	BLDC-X2820-570	BLDC-X2820-860	BLDC-X2820-1000	BLDC-X2820-1250
Motor KV	570KV	860KV	1000KV	1250KV
Stator Diameter	28			
Stator Thickness	20			
Number of Slots	12N14P			
Interphase Internal Resistance	53mΩ	25.8mΩ	18.5mΩ	13.1mΩ
Motor Size	Motor length: 42mm	φ35.0*61.0mm	φ35.0*61.0mm	φ35.0*61.0mm
Shaft Diameter	5.0mm			
Motor Silicone Wire Specifications	20AWG 110mm			
Motor Weight	145g	143g	147g	144g
Operating Rated Voltage (Lipo)	/	3-4S		
No-Load Current	0.83A	1.2A/10V	1.2A/10V	2.5A/10V
Maximum Continuous Power	1325W	960W	1036W	1172W
Maximum Continuous Current	53A/30s	65A/30s	70A/1min	79A/30s
ESC Recommended	50-60A	50-60A	60-80A	80A
Recommended Propeller Specifications	EOLO12*6/EOLO13*7	APC13*6.5/APC13*8	4S(APC11*5.5	APC12*6/APC1050

Features

- 570KV/860KV/1000KV/1250KV Brushless motor cool magic blue rotor end cap with six contours, strong and sturdy. High quality white metallic paint with blue end caps for a more chic layered aesthetic. The stator end caps are hollowed out around the perimeter, which also increases the heat dissipation area for better heat dissipation.
- Each drone brushless motor is made by strict dynamic balancing. Original NSK bearings for lower noise and smoother operation. High precision CNC machined parts, fine assembly process to achieve higher runout and concentricity standards.
- Circular magnet 0.2MM air gap, lower iron loss 0.2MM core, full hand winding, super high slot fill rate.

Dimensions (Unit: mm)



Tips: The relationship between motor and propeller, ESC?

The model number of motor products is generally based on KV value. For example, the model number 2312KV960, 23 means the outer rotor diameter of the motor is 23mm, 12 means the height of the rotor is 12mm, KV means the actual speed of the motor increases 960r/min for every 1V increase in voltage.

Many people think that the large KV motor increases the propeller to provide a large lift load, in fact, it is not. Because the high KV motor relative to the same level of low KV motor, high speed but small torque, the larger the propeller, the greater the lift, but the corresponding need for greater force to drive, the smaller the motor KV, the greater the rotation force, the higher the propeller speed, the greater the lift, in summary, large propellers need to use low KV motor, and vice versa, the need for high KV motor. That is to say, large with low, small with high.

ESC is an electronic speed controller, the role is to control the speed of the motor according to the control signal, the DC input of the battery into a certain frequency of AC output used to control the speed of the motor.

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