

Hobbywing 1/8 Brushless Engines

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New Brushless engines from Hobbywing for 1/8 scale chassis. All engines are equipped with a sensor and with the newest technology. Made out of highest quality material and precisely manufactured you will receive maximum power and a very reliable engine.



Features

Full-sensored Mode

The first motor (in the world) with a built-in chip which helps ESC identify it's a HOBBYWING motor (when pairing with XERUN XR8/XR8 Plus) and form a power system which can work in the "Full-Sensored" mode and provide users with the better performance and smoother control.

Note: this motor is also applicable to other ESCs, but it cannot work in the Sensored mode at all times.

Turbo Timing Technology

When pairing this motor with HW XERUN XR8 series of ESCs, the Turbo Timing, which is widely adopted in 1/10th scale on-road racing, can be enabled and unleash the utmost power of the motor.

Bi-directional Adjustable Timing

The bi-directional adjustable mechanical timing, can meet the different power demands of various applications. (Note: bi-direction means CW/CCW)

Advanced Hall Sensing System

The first "error-free" Hall sensing system (HOBBYWING's patent) (in the RC field) adopted by this motor guarantees users the steady operation in the "Full-Sensored" mode. A separate high-speed high precision encoder always outputs the clean signals (indicate the rotor's location) and not be affected by other signal interference.

Low Cogging Torque

The first motor adopted the innovative 4-pole-8-magnet "staggered pole" rotor (HOBBYWING-patented design) (in the RC field) has the extremely low cogging effect and low torque pulsation (it's reduced by 85% when comparing with traditional 1/8th scale motors).

Quality Materials & Excellent Design

- CNC-machined aluminum ribbed heatsink case with the sensor port covered by silicon O-ring seal guarantees users the effective heat dissipation and dust prevention.
- 4xM3 mounting holes and 2xM4 mounting holes on the front case are applicable to various motor mounts.
- New-style U gold-plated tabs with extremely-low internal resistance allows users to solder output wires easily and firmly on.
- The use of double insulated windings (240°C R-rated), NMB bearings from Japan, and the high-intensity adhesive (340°C) guarantees users the outstanding performance and super durability.

Wide Applications

This motor is not only applicable to popular 1/8th scale racing vehicles like Cobra e-Truggy, TLR 8ight-E 3.0, AE RC8.2e, TEAM C DEX8T and Serpent-977E, but also other trucks, buggies, touring cars and etc.

Technical Data

Item No.:30401900

- Scale: 1/8
- Type: Brushless sensored
- Pole: 4
- RPM/Volt: 1600 kv
- LiPo: 2-6S
- No Load Current: 2,8A
- Timing: 20-40 Degrees (adjustable)
- Outer Diameter: 42mm
- Length: 68mm

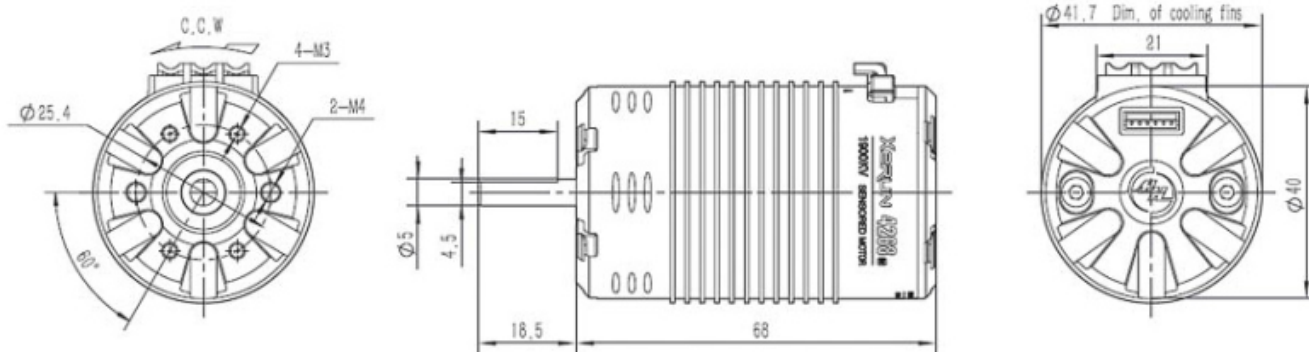
- Shaft Diameter: 5mm
- Weight: 322g
- Application: 1/8 Short Course / Buggy / Truggy &/ Touring Cars or Rally

Item No.:30401901

- Scale: 1/8
- Type: Brushless sensored
- Pole: 4
- RPM/Volt: 1900 kv
- LiPo: 2-6S
- No Load Current: 4,5A
- Timing: 20-40 Degrees (adjustable)
- Outer Diameter: 42mm
- Length: 68mm
- Shaft Diameter: 5mm
- Weight: 325g
- Application: 1/8 Short Course / Buggy / Truggy &/ Touring Cars or Rally

Item No.:30401902

- Scale: 1/8
- Type: Brushless sensored
- Pole: 4
- RPM/Volt: 2600 kv
- LiPo: 2-4S
- No Load Current: 4,6A
- Timing: 20-40 Degrees (adjustable)
- Outer Diameter: 42mm
- Length: 68mm
- Shaft Diameter: 5mm
- Weight: 328g
- Application: 1/8 Short Course / Buggy / Truggy &/ Touring Cars or Rally



Pictures



