BLDC	ESC / Motor Recommendations						Typical Application								
	X89-BM	Remora	X89	X89Pro	Talon25	X89Drag	1/32 Scale	1/24 Scale	Womp	Flexi / F1 / Indy	Wing Car	NASCAR	Hardbody	Retro	EuroSport
Is ESC Programmable	No	Yes	No	No	Yes	No									
1106.1800Kv															
1106.2200Kv															
1106.3000Kv															
1106.3200Kv															
1106.4500Kv															
1106.6500Kv															
1106.9000Kv															Prod24
1106.11000Kv		* *													ES32/ES24
1106.18000Kv		* *													ES32/ES24
1106.23000Kv		* *													ES32/ES24

*** * - Programming required**

BLDC	Drag Racing Recommendations					
	X89-BM	Remora	X89	X89Pro	Talon25	X89Drag
1106.3200Kv					Door Car / Dragster	Dragster
1106.4500Kv					Door Car / Dragster	
1404.2800Kv					Door Car / Dragster	
1404.3100Kv					Door Car / Dragster	
1207.6000Kv						Funny Car

These recommendations will help ensure a successful installation. Gear ratio selection, tire diameter, body downforce, and your car's racing weight may all affect the choice of brushless motor and/or ESC.

Carefully monitor the heat levels of both the BLDC motor and ESC during testing. Run five laps and measure temperatures with a laser heat gun. If temperatures rise too high, adjust the rollout ratio. For long component life, keep temperatures below 100°F (38°C). Sustained operation above 140°F (60°C) will significantly reduce component life.

⚠ Important: If the car "cogs" at any time, stop immediately and correct the issue. Continuing to run the car in this state can permanently damage the BLDC motor and/or ESC.

11/26/2025