

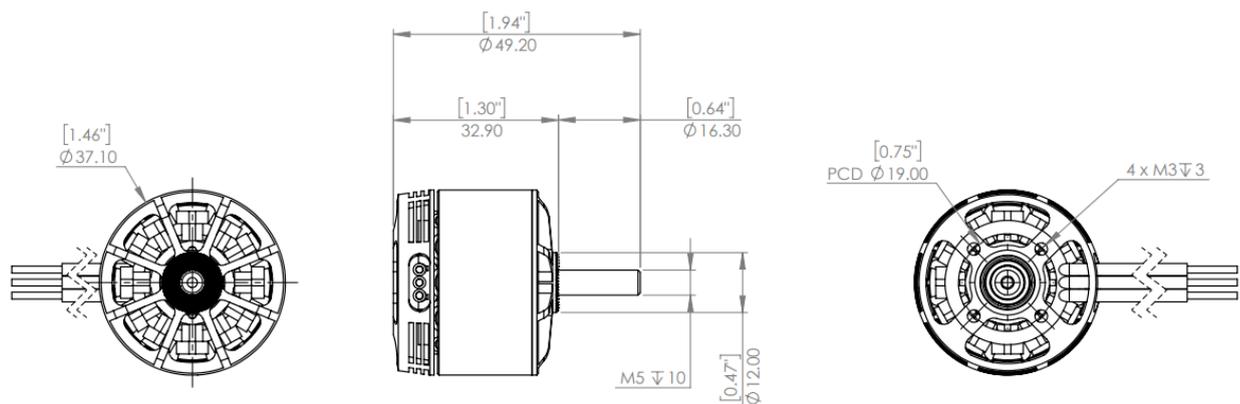
3115 SL

900 KV

MOTOR SPECIFICATIONS

Kv (Motor Velocity Constant)	900 RPM/V
Kt (Motor Torque Constant)	0.013 Nm/A @ 10812 RPM
Maximum Continuous Current*	24A [180s]
Maximum Continuous Power*	597 W [180s]
Power Density	5.28 W/g [Rated], 10.38 W/g [Maximum]
Voltage Range	18V - 24V [6S LiPo]
I _o [XX@V]	2.47A [24@V]
Inductance per phase (Winding Inductance)	0.026 [≈0.03] mH
R _{ph} (Wind Resistance per phase)	0.045 [≈0.03] Ω
Stator Poles	12S
Magnetic Poles	14P
Bearings	Dual 685-zz
Stick Out Shaft Diameter	∅ 12 mm
Motor Diameter	∅ 37 mm
Motor Length	32.90 mm
Motor Weight	113 g ± 5 g
Mount Pattern @ 90 deg	4 X M3 @ PCD ∅ 19 mm ↓ 3 mm
Compatible Propeller Size	7 " inch to 10 " inch
Propeller Mount Pattern	M5 ↓ 10 mm

2D CAD



3115 SL 900 KV - TEST DATA

Note: The test data provided below is subject to environmental and testing conditions, including but not limited to temperature, humidity, altitude, and the equipment used. Results may vary depending on specific testing parameters and conditions.

Propeller	VT 1050-TRI BLADE GFN		
ESC	TM 60A 6S	Power Supply / Battery	HWB - 22000 mAh 6S
Test Date:	13-12-2025	Humidity:	40 %
		Environmental Temp:	28 ° C
			Cross-winds: Mild

PWM - Throttle%	Voltage	Current (A)	RPM	Thrust (g)	Torque (N*m)	Electrical Power (W)	Efficiency	Temp (Celcius)
1300 - 30	24.89	4.74	6545	629	0.115	118.0	5.3	
1400 - 40	24.75	8.99	7677	877	0.158	222.5	3.9	
1500 - 50	24.62	12.73	8903	1193	0.215	313.4	3.8	
1600 - 60	24.42	18.32	9986	1497	0.277	447.4	3.4	
1700 - 70	24.2	24.67	10812	1787	0.33	597.0	3.0	
1800 - 80	23.96	31.64	11515	2046	0.383	758.1	2.7	
1900 - 90	23.71	39.37	12205	2270	0.423	933.5	2.4	
1950 - 95	23.57	43.57	12508	2388	0.447	1026.9	2.3	
2000 - 100	23.37	50.23	12913	2586	0.486	1173.9	2.2	

Note: Specifications and drawings may be revised without notice. Vector Technics assumes no liability for reliance on unverified data.