

VECTOR TECHNICS

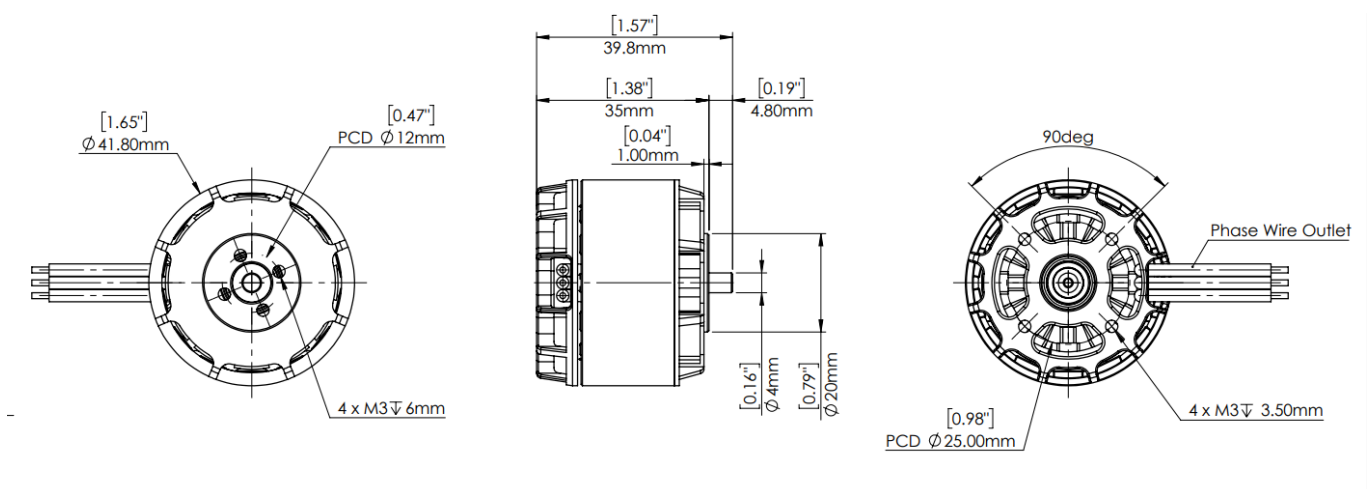
3515 PRO

400 KV

MOTOR SPECIFICATIONS

Kv (Motor Velocity Constant)	400 RPM/V
Kt (Motor Torque Constant)	0.022 Nm/A
Maximum Continuous Current*	10A [180s]
Maximum Continuous Power*	203.52 [180s]
Power Density	1.45 W/g [Rated], 3.26 W/g [Maximum]
Voltage Range	22V - 25V [6S LiPo]
Io (@ 24V)	1.14A (@ 24V)
Inductance per phase (Winding Inductance)	0.081 mH $\pm$ 10%
Rph (Wind resistance per phase)	0.109 Ω $\pm$ 10%
Stator Poles	12S
Magnetic Poles	14P
Bearings	Dual 619_ 4-2z
Stick Out Shaft Diameter	$\varnothing$ 20 mm
Motor Diameter	$\varnothing$ 41.80 mm
Motor Length	35 mm
Motor Weight	140 g $\pm$ 2 g
Mount Pattern @ 90 deg	6 X M3 @ PCD $\varnothing$ 19 mm $\downarrow$ 3.5 mm
Compatible Propeller Size	12 " inch to 14 " inch
Propeller Mount Pattern	4 X M3 @ PCD $\varnothing$ 12 mm $\downarrow$ 6 mm

2D CAD



3515 PRO 400 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	P14x4.8 CF				
ESC	40A 2-6S			Power Supply / Battery	HWB 22000mAh 6S 25C
Test Date:	07-09-2026	Humidity:	20 %	Environmental Temp:	32 ° C
				Cross-winds: Mild	

PWM - Throttle%	Voltage	Current (A)	RPM	Thrust (g)	Torque (N*m)	Electrical Power (W)	Efficiency (g/ W)	Temp (° C)
1300 - 30	25.1	1.0	2910.0	247.0	0.05	24.9	9.9	50° C [@70% 10 min Constant]
1400 - 40	25.1	2.0	3827.0	428.0	0.09	51.1	8.4	
1500 - 50	25.0	3.5	4621.0	639.0	0.13	86.5	7.4	
1600 - 60	24.9	5.5	5430.0	891.0	0.19	137.1	6.5	
1700 - 70	24.8	8.2	6241.0	1185.0	0.24	203.5	5.8	
1800 - 80	24.7	11.4	6938.0	1485.0	0.30	280.7	5.3	57° C [Maximum]
1900 - 90	24.6	15.1	7583.0	1786.0	0.36	370.5	4.8	
2000 - 100	24.4	18.7	8136.0	2027.0	0.42	457.4	4.4	