

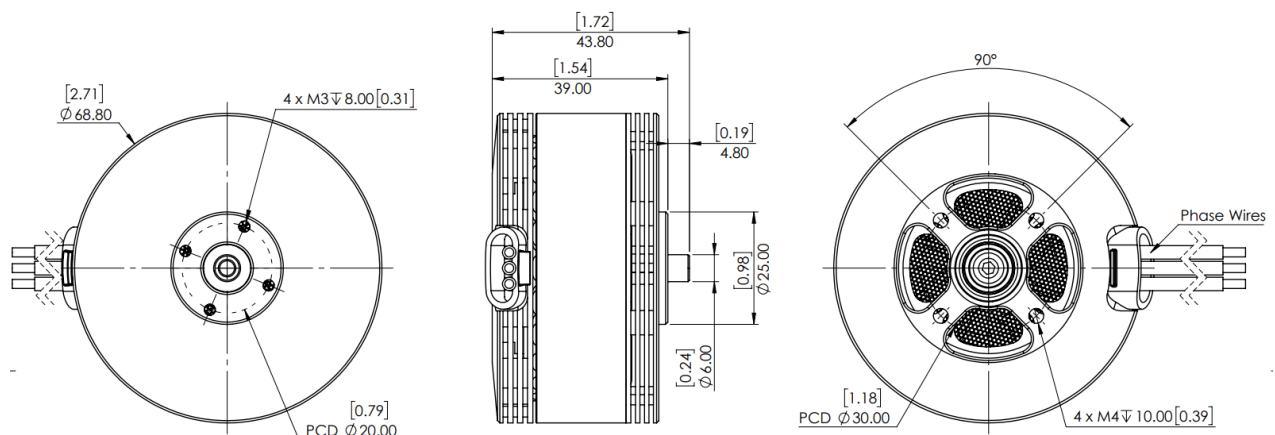
6015 PRO

340 KV

MOTOR SPECIFICATIONS

Kv (Motor Velocity Constant)	340 RPM/V
Kt (Motor Torque Constant)	0.0407 Nm/A @ 4508 RPM
Maximum Continuous Current*	40A (180s)
Maximum Continuous Power*	900W (180s)
Power Density	2.43 W/g (Rated), 3.87 W/g (Maximum)
Voltage Range	22V - 25V (6S LiPo)
I _o (24@V)	2.8A (24@V)
Inductance per phase (Winding Inductance)	0.020 (±0.03) mH
R _{ph} (Wind Resistance per phase)	0.03 (±0.03) Ω
Stator Poles	24S
Magnetic Poles	28P
Bearings	Triple 626 -2Z Sealed
Stick Out Shaft Diameter	ø 6 mm
Motor Diameter	ø 68.8 mm
Motor Length	39 mm
Motor Weight	389 g ± 5 g
Mount Pattern @ 90 deg	4 X M4 @ PCD ø 30 mm with ↓ 10 mm
Compatible Propeller Size	22 " inch to 24 " inch
Propeller Mount Pattern	4 X M3 @ PCD ø 20 mm ↓ 8 mm

2D CAD



Note: Specifications and drawings may be revised without notice. Vector Technics assumes no liability for reliance on unverified data.
All Dimensions in millimeters (mm)

6015 PRO 340 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	22 x 6.6 CF_FX					
ESC	80 A 6S			Power Supply / Battery	TB - 22000 mAh 6S	
Test Date:	03-10-2024	Humidity:	64 %	Environmental Temp:	31 ° C	Cross-winds: Moderate

PWM - Throttle%	Voltage	Current (A)	RPM	Thrust (g)	Torque (N*m)	Electrical Power (W)	Efficiency	Temp (Celcius)
1300 - 30	24.9	1.6	1722	593	0.15	39.8	14.9	48 ° C [@70% 10 min Constant]
1400 - 40	24.8	3.9	2396	1188	0.31	96.7	12.3	
1500 - 50	24.6	8.8	3184	2053	0.54	216.5	9.5	
1600 - 60	24.3	16.2	3933	3161	0.78	393.7	8.0	
1700 - 70	23.9	25.5	4508	4202	1.04	609.5	6.9	
1800 - 80	23.5	38.2	5088	5088	1.32	897.7	5.7	48 ° C [Maximum]
1900 - 90	23	51.6	5553	5553	1.57	1186.8	4.7	
1950 - 95	22.7	59.5	5756	5756	1.73	1350.7	4.3	
2000 - 100	22.6	63.3	5845	5845	1.73	1430.6	4.1	

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