

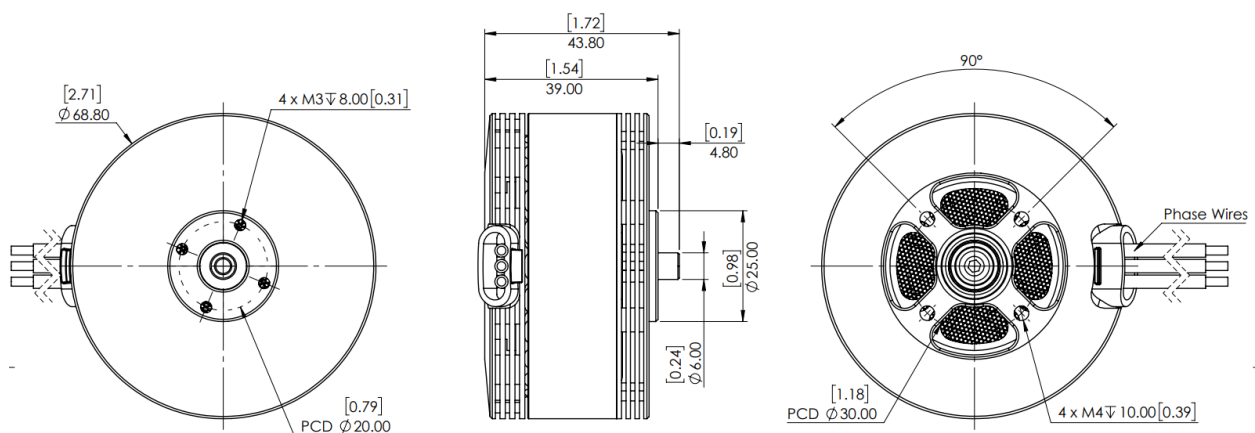
6015 PRO

150 KV

MOTOR SPECIFICATIONS

Kv (Motor Velocity Constant)	150 RPM/V
Kt (Motor Torque Constant)	0.075 Nm/A @ 4558 RPM
Maximum Continuous Current*	30A (180s)
Maximum Continuous Power*	1415W (180s)
Power Density	3.72 W/g (Rated), 4.22 W/g (Maximum)
Voltage Range	44V - 50V (12S LiPo)
I _o (48@V)	1.6A (48@V)
Inductance per phase (Winding Inductance)	0.091 (±0.03) mH
R _{ph} (Wind Resistance per phase)	0.09 (±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	363 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 150 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	2480 CFRP_FX			Power Supply / Battery	2 x TB - 22000 mAh 12S	
ESC	80A 12 S			Environmental Temp:	36°C	Cross-winds: Mild
Test Date:	06-03-2025	Humidity:	12%			

PWM - Throttle%	Voltage	Current (A)	RPM	Thrust (g)	Torque (N*m)	Electrical Power (W)	Efficiency	Temp (Celcius)
1300 - 30	49.5	1.7	1770	1023	0.34	84.2	12.2	71 ° C [@70% 10 min Constant]
1400 - 40	49.3	4.3	2450	2059	0.64	212.0	9.7	
1500 - 50	49	9.3	3198	3598	1.08	455.7	7.9	
1600 - 60	48.6	15.9	3817	5137	1.52	772.7	6.6	
1700 - 70	48.1	24.9	4324	6689	2.02	1197.7	5.6	
1800 - 80	47.5	35.2	4778	8248	2.48	1672.0	4.9	76 ° C [Maximum]
1900 - 90	46.8	47.3	5180	9679	2.89	2213.6	4.4	
1950 - 95	46.6	50.6	5268	9980	2.98	2358.0	4.2	
2000 - 100	46.6	50.3	5272	9953	2.95	2344.0	4.2	

Propeller	VT 2408 CFRP_FX			Power Supply / Battery	2 x TB - 22000 mAh 12S	
ESC	60A 12 S			Environmental Temp:	31°C	Cross-winds: Moderate
Test Date:	04-03-2025	Humidity:	46%			

PWM - Throttle%	Voltage	Current (A)	RPM	Thrust (g)	Torque (N*m)	Electrical Power (W)	Efficiency	Temp (Celcius)
1300 - 30	49.4	1.9	2024	1471	0.42	93.9	15.7	59° C [@70% 10 min Constant]
1400 - 40	49.2	4.7	2697	2476	0.73	231.2	10.7	
1500 - 50	48.9	9.1	3336	3753	1.11	445.0	8.4	
1600 - 60	48.4	15.9	3982	5473	1.59	769.6	7.1	
1700 - 70	47.7	24.9	4540	7215	2.08	1187.7	6.1	
1800 - 80	46.9	35.5	4991	8687	2.51	1665.0	5.2	63 ° C [Maximum]
1900 - 90	46	48.4	5340	9794	2.84	2226.4	4.4	
1950 - 95	45.9	50.3	5373	9797	2.82	2308.8	4.2	
2000 - 100	45.9	50.1	5333	9619	2.77	2299.6	4.2	

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