

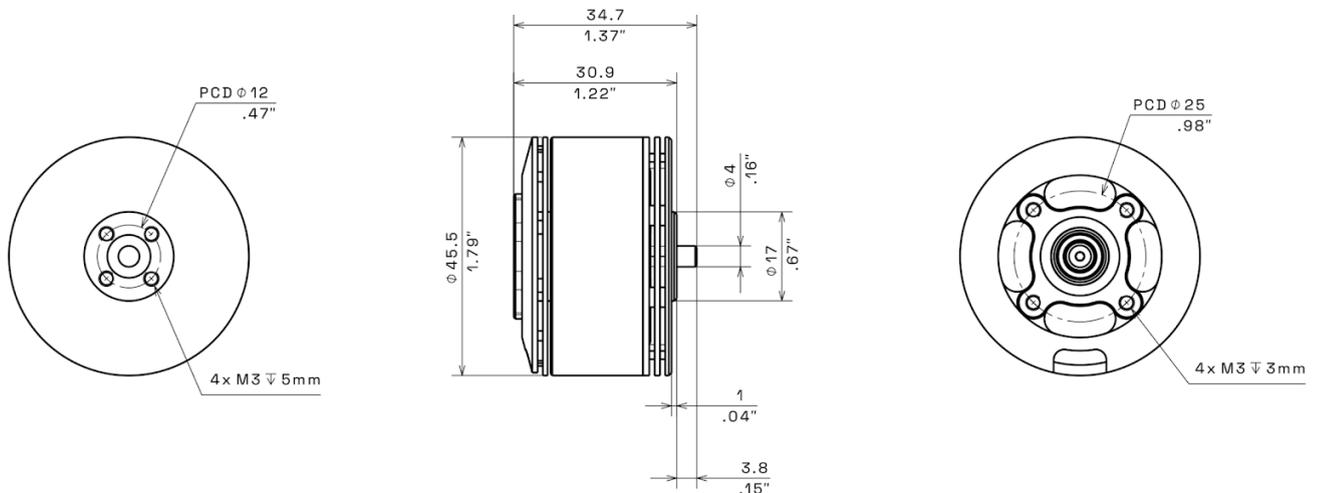
# 4015 PRO

## 340 KV

### MOTOR SPECIFICATIONS

Kv (Motor Velocity Constant)	340 RPM/V
Kt (Motor Torque Constant)	0.032 Nm/A @ 5706 RPM
Maximum Continuous Current*	15A [180s]
Maximum Continuous Power*	357W [180s]
Power Density	1.85 W/g [Rated], 2.68 W/g [Maximum]
Voltage Range	22V - 25V [ 6S LiPo]
I <sub>o</sub> [24@V]	0.9A [24@V]
Inductance per phase (Winding Inductance)	0.042 [ ≈0.03] mH
R <sub>ph</sub> (Wind Resistance per phase)	0.08 [ ≈0.03] Ω
Stator Poles	18S
Magnetic Poles	24P
Bearings	Triple 619/4-2RS Sealed
Stick Out Shaft Diameter	∅ 3.8 mm
Motor Diameter	∅ 45.5 mm
Motor Length	30.9 mm
Motor Weight	165 g ± 2 g
Mount Pattern @ 90 deg	4 X M3 @ PCD ∅ 25 mm ↓ 3 mm
Compatible Propeller Size	14 " inch to 18 " inch
Propeller Mount Pattern	4 X M3 @ PCD ∅ 12 mm ↓ 5 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]

## 4015 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.

<b>Propeller</b>	ACP 13 x 6.5 EP_FX			<b>Power Supply / Battery</b>	TB - 22000 mAh 6S	
<b>ESC</b>	HW 40 A 6 S			<b>Environmental Temp:</b>	31 ° C	<b>Cross-winds:</b> Mild
<b>Test Date:</b>	14-05-2025	<b>Humidity:</b>	46 %			

PWM - Throttle%	Voltage	Current (A)	RPM	Thrust (g)	Torque (N*m)	Electrical Power (W)	Efficiency	Temp (Celcius)
1300 - 30	25	1.2	2841	238	0.05	29.9	8.0	45 ° C [@70% 10 min Constant]
1400 - 40	25	2.2	3719	407	0.08	53.9	7.6	
1500 - 50	24.9	3.7	4680	658	0.12	93.0	7.1	
1600 - 60	24.8	4.4	4995	752	0.14	108.6	6.9	
1700 - 70	24.7	6.2	5702	1012	0.19	153.6	6.6	
1800 - 80	24.6	8.9	6480	1322	0.25	217.9	6.1	47 ° C [Maximum]
1900 - 90	24.5	12.2	7197	1655	0.31	297.4	5.6	
1950 - 95	24.4	12.8	7324	1725	0.33	312.8	5.5	
2000 - 100	24.4	12.9	7314	1744	0.33	315.5	5.5	

<b>Propeller</b>	ACP 14 x 8.5 EP_FX			<b>Power Supply / Battery</b>	TB - 22000 mAh 6S	
<b>ESC</b>	HW 40 A 6 S			<b>Environmental Temp:</b>	31 ° C	<b>Cross-winds:</b> Mild
<b>Test Date:</b>	14-05-2025	<b>Humidity:</b>	46 %			

PWM - Throttle%	Voltage	Current (A)	RPM	Thrust (g)	Torque (N*m)	Electrical Power (W)	Efficiency	Temp (Celcius)
1300 - 30	25	1.2	2445	254	0.06	30.5	8.3	47 ° C [@70% 10 min Constant]
1400 - 40	24.9	2.3	3184	434	0.11	57.5	7.5	
1500 - 50	24.9	3.9	3926	683	0.16	95.9	7.1	
1600 - 60	24.8	6	4671	1010	0.22	149.8	6.7	
1700 - 70	24.6	8.9	5392	1337	0.29	218.5	6.1	
1800 - 80	24.5	12.8	6062	1752	0.38	313.7	5.6	49 ° C [Maximum]
1900 - 90	24.3	17.5	6679	2063	0.48	424.9	4.9	
1950 - 95	24.2	18.3	6804	2161	0.49	443.8	4.9	
2000 - 100	24.2	18.6	6776	2127	0.51	450.5	4.7	

<b>Propeller</b>	SR 15 x 5.8 CF_FX			<b>Power Supply / Battery</b>	TB - 22000 mAh 6S	
<b>ESC</b>	HW 40 A 6 S			<b>Environmental Temp:</b>	31 ° C	<b>Cross-winds:</b> Mild
<b>Test Date:</b>	14-05-2025	<b>Humidity:</b>	46 %			

PWM - Throttle%	Voltage	Current (A)	RPM	Thrust (g)	Torque (N*m)	Electrical Power (W)	Efficiency	Temp (Celcius)
1300 - 30	25	1.2	2519	263	0.06	30.4	8.7	47 ° C [@70% 10 min Constant]
1400 - 40	24.9	2.3	3272	484	0.1	56.9	8.5	
1500 - 50	24.9	3.7	3984	739	0.15	92.3	8.0	
1600 - 60	24.8	5.9	4690	1091	0.22	145.9	7.5	
1700 - 70	24.7	8.6	5408	1454	0.28	211.5	6.9	
1800 - 80	24.5	12.3	6085	1897	0.37	302.0	6.3	50 ° C [Maximum]
1900 - 90	24.3	16.8	6734	2351	0.47	409.4	5.7	
1950 - 95	24.3	17.7	6820	2446	0.48	428.8	5.7	
2000 - 100	24.3	17.6	6824	2426	0.48	427.8	5.7	

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