

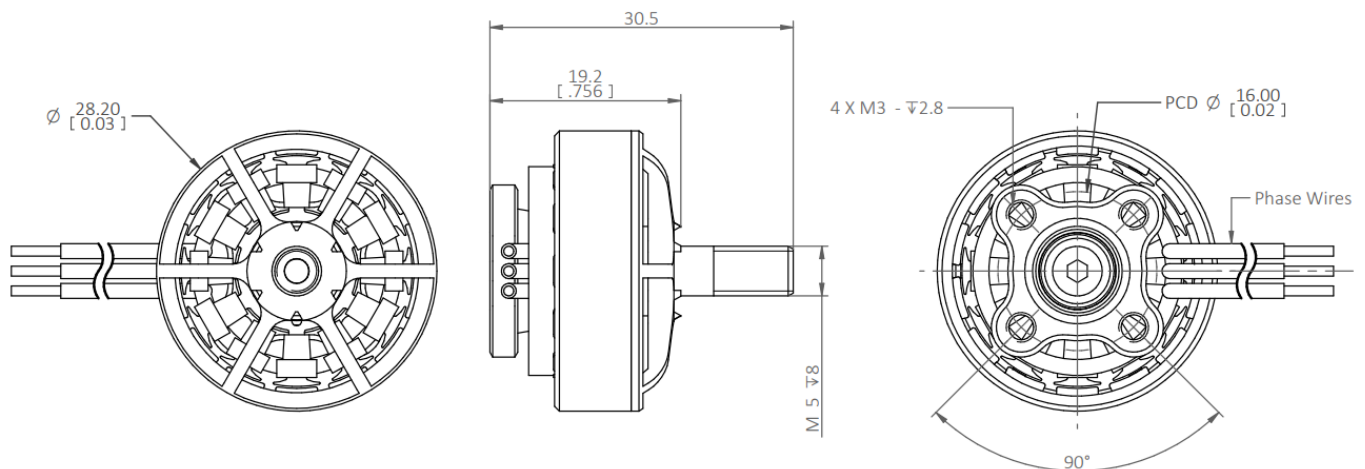
2306 FPV

1750 KV

MOTOR SPECIFICATIONS

Kv (Motor Velocity Constant)	1750 RPM/V
Kt (Motor Torque Constant)	0.0086 Nm/A
Maximum Continuous Current*	5.54 A (180s)
Maximum Continuous Power*	92.3 W (180s)
Power Density	2.8 W/g (Rated), 8.7 W/g (Maximum)
Voltage Range	15V - 25V (4S - 6S LiPo)
I _o (@ 16V)	1.55 A (@ 16V)
Inductance per phase (Winding Inductance)	0.0178 mH ± 5%
R _{ph} (Wind resistance per phase)	0.094 Ω ± 5%
Stator Poles	12S
Magnetic Poles	14P
Bearings	637_5_x-2z
Stick Out Shaft Diameter	ø 5 mm
Motor Diameter	ø 28.20 mm
Motor Length	19.2 mm
Motor Weight	32 g ± 2 g
Mount Pattern @ 90 deg	4X M3 @ PCD ø 16 mm ↓ 2.8 mm
Compatible Propeller Size	5" inch
Propeller Mount Pattern	M5 ↓ 8 mm

2D CAD



2306 SL 1750 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	51 X 31-3_PC			Power Supply / Battery	Powertron 0–30 VDC, 0–100 A	
ESC	60A PRO 3-6S					
Test Date:	12-08-2026	Humidity:	60 %	Environmental Temp:	31° C	Cross-winds: Mild

PWM - Throttle%	Voltage	Current (A)	RPM	Thrust (g)	Torque (N*m)	Electrical Power (W)	Efficiency (g/W)	Temp (° C)
1250-40	16.9	0.45	5724	41	0.005	0.1	5.4	60 ° C [@70% 10 min Constant]
1350 -50	16.8	1.44	9692	123	0.014	24.2	5.1	
1450 -60	16.8	3.2	13275	239	0.026	53.6	4.5	
1550 -70	16.7	5.54	16324	362	0.039	92.3	3.9	
1650 -80	16.5	9	19222	516	0.056	148.6	3.5	70 ° C [Maximum]
1750 -90	16.3	13.44	21891	676	0.073	219.4	3.1	
1800 -95	16.2	16.42	23389	770	0.083	266.0	2.9	
1850 -100	16.2	17.21	23868	789	0.087	279.6	2.8	