



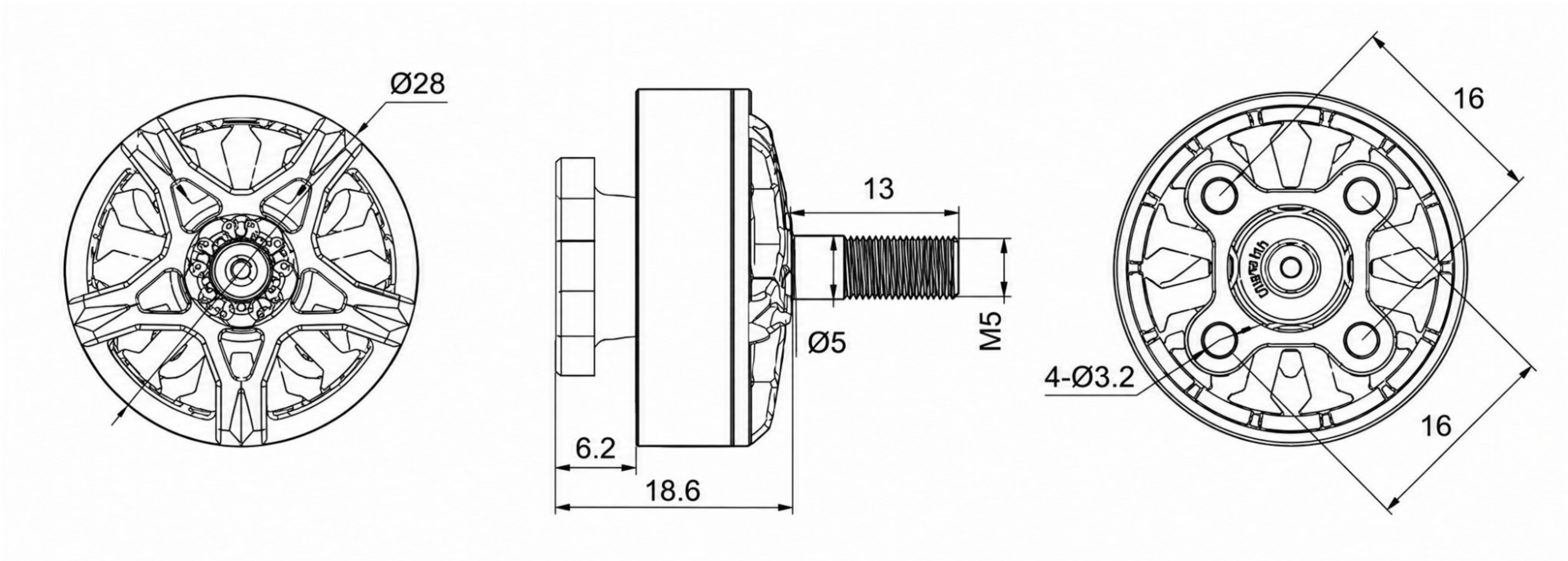
Pilotix 2306.5 FPV motor featuring a 1950KV rating and 23mm x 6.5mm stator dimensions. Operates within a voltage range of 18V to 25.2V with a rated voltage of 22.2V, delivering maximum power output of 1043.6W at maximum current draw of 43.81A. The motor exhibits 71mΩ internal resistance and 0.82A no-load current at 7.4V. Physical construction includes a 28mm diameter body with 31.6mm height, 5mm x 13mm shaft, and 16 x 16mm M3 mounting pattern. Equipped with 20AWG silicone cables measuring 130mm in length. Total weight is 32.7g.

Product details	
Model	2306.5 1950KV
SKU	7537
Electrical specification	
Motor KV	1950 KV
Rated voltage	22.2 V
Operating voltage range	18 - 25.2 V
Maximum current	43.81 A
Maximum power	1043.6 W
No-load current	0.82 A @ 7.4 V
Internal resistance	71 mΩ
Mechanical specifications	
Stator size	23 x 6.5 mm
Shaft size	5 x 13 mm
Motor dimensions	28 x 31.6 mm
Silicone cable	20 AWG
Cable length	130 mm
Mounting	16 x 16 mm (M3)
Weight	32.7 g

Common

Warranty	2 years
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Mechanical specification



Motor performance data

Throttle -%	Commutation Speed -RPM	Vol - V	Current -A	Thrust -gf	Torque -N*m	Motor Temperature end-°C	Total (Electrical) Power -W	Shaft Power -W	Motor Efficiency -%	Propeller Efficiency -gf/W	System Force Efficiency -gf/W
10	5381	24.02	0.38	27	0.003	27.4	9.1	1.7	18.7	15.8	3.0
20	10033	24.02	1.45	111	0.011	27.5	34.8	11.6	33.3	9.6	3.2
30	13435	24.01	2.94	213	0.021	28.2	70.6	29.5	41.8	7.2	3.0
40	17132	24.00	5.67	364	0.035	29.2	136.1	62.8	46.1	5.8	2.7
50	20373	23.98	9.09	522	0.049	31.4	218.0	104.5	47.9	5.0	2.4
60	23317	23.96	13.27	684	0.066	33.7	317.9	161.2	50.7	4.2	2.2
70	26117	23.94	19.10	865	0.085	37.5	457.3	232.5	50.8	3.7	1.9
80	28966	23.91	27.05	1073	0.108	43.1	646.8	327.6	50.6	3.3	1.7
90	31109	23.86	35.61	1236	0.128	54.3	849.7	417.0	49.1	3.0	1.5
100	32305	23.82	43.81	1325	0.139	71.4	1043.6	470.2	45.1	2.8	1.3