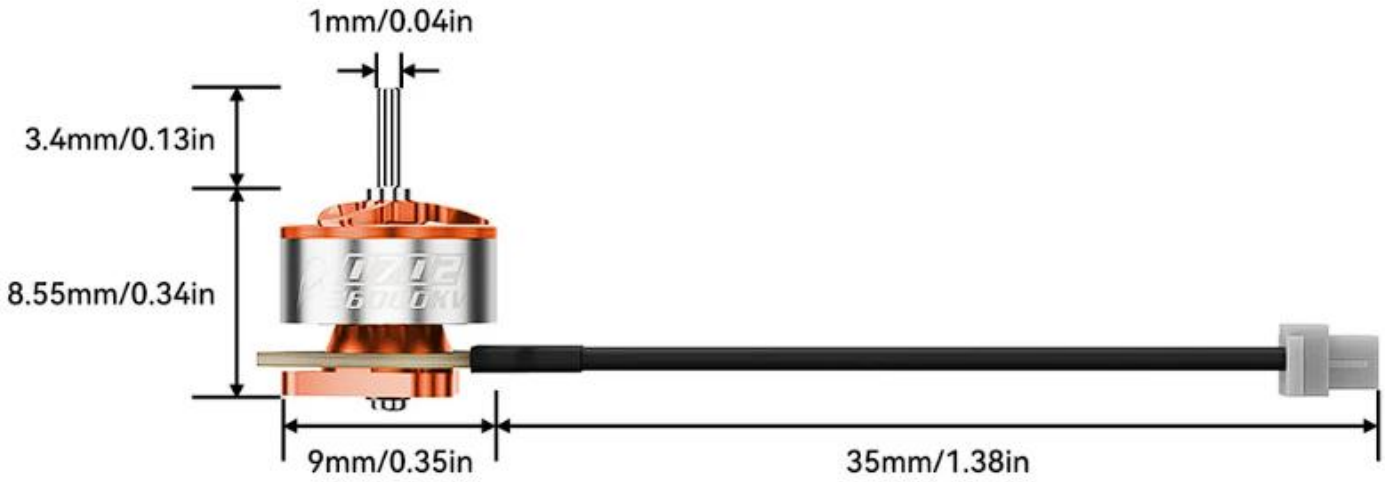
Bullet Points

- Industry-First 0.10mm Stator Core: Maximizes efficiency and reduces heat by minimizing magnetic losses, delivering a proven 0.1-0.2g/W improvement.
- Three Precision-Tuned Versions: Tailored for the Air65 II whoop with unique KV ratings and designs.
  - Champion (36000KV): Combines maximum power and responsiveness with durable dual-ball bearings for professional racing.
  - Racing (30000KV): Engineered for high RPM and instant response on technical race courses.
  - Freestyle (25000KV): Optimized for smooth, efficient flying with superior low-throttle torque.
- Enhanced Crash Durability: Built with an upgraded rotor housing and shaft design to withstand hard impacts and extend motor life.

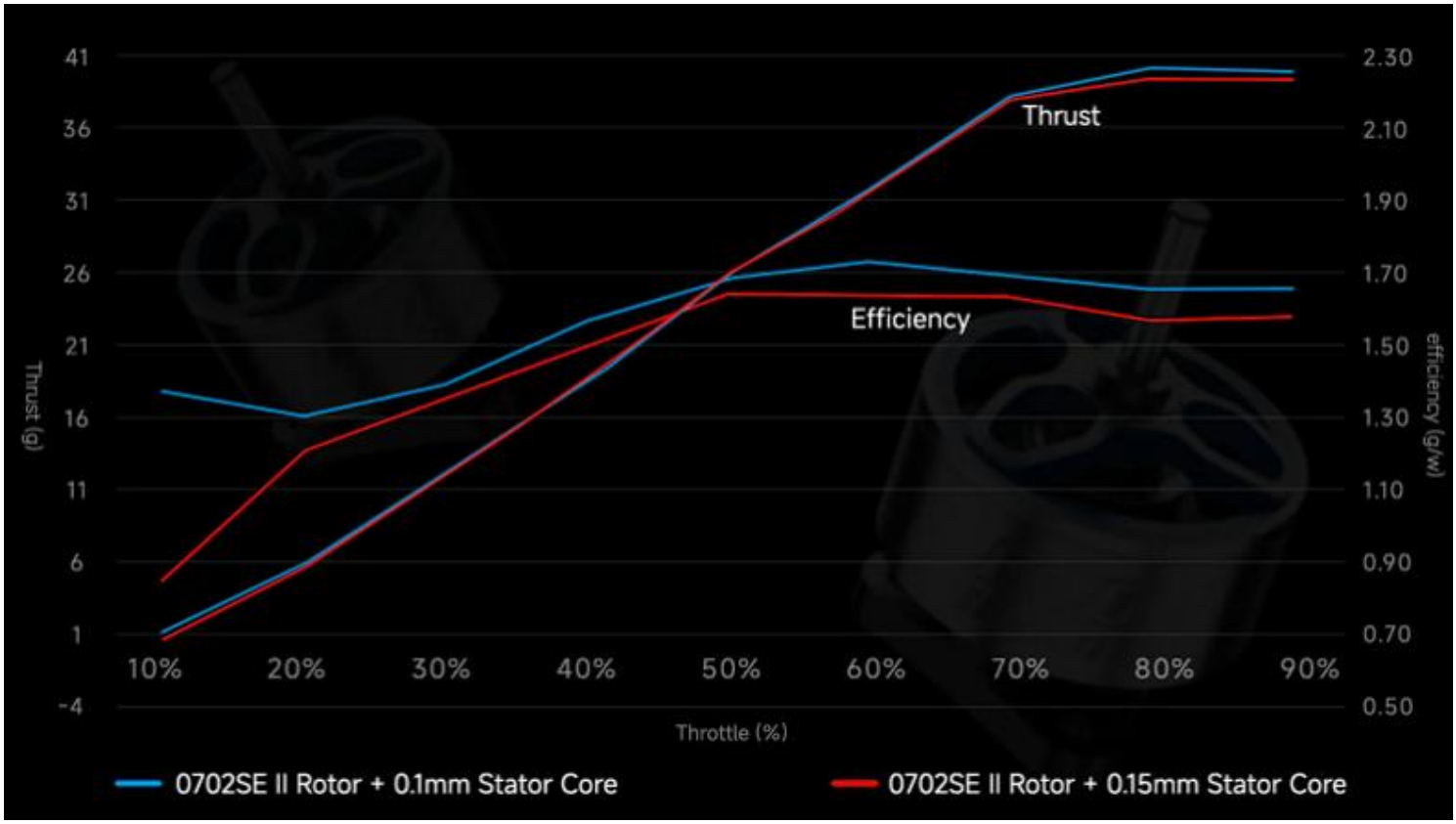
Specifications

	Champion	Racing	Freestyle
KV	36000KV	30000KV	25000KV
Maximum Power	27.53W	23.3W	15.01W
Maximum Current	7.17A	6.03A	3.86A
Bearing Type	Dual-ball bearings	Brass bushings	
Weight	1.59g	1.50g	
Rated Voltage	4.2V (1S)		
Shaft Diameter	ø1.0mm		
Shaft Length	3.4mm		
Wire Gauge	30AWG		
Wire Length	35mm		
Connector	JST1.25 3Pin		
Mounting Hole Size	3*M1.4 EQS Ø6.6mm		

Dimensions

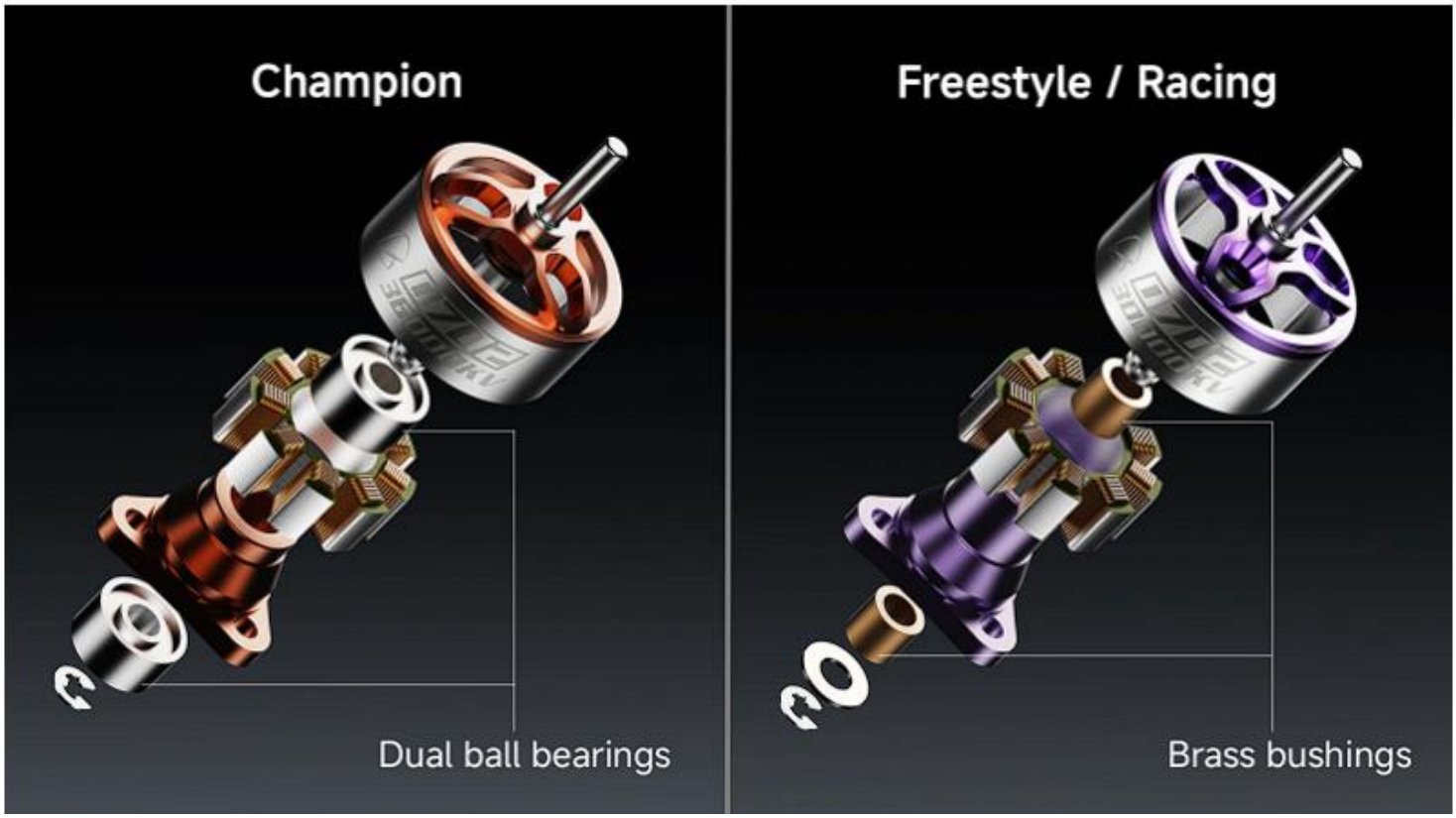


This ultra-thin design minimizes magnetic losses, dramatically improving energy conversion and reducing heat generation. Proven in testing, 0702 Brushless Motors (2026) deliver a significant efficiency gain of 0.1-0.2g/W compared to 0702 motors with a 0.15mm core.



Champion/Racing/Freestyle, Precision-Tuned

Designed exclusively for the Air65 II whoop, three distinct versions are precision-engineered to meet specific performance demands. Each features unique KV ratings, magnetic circuit designs, and winding processes for optimized power delivery. The Freestyle (25000KV) prioritizes smooth control with superior low-throttle torque for fluid, cinematic flying. The Racing (30000KV) delivers higher RPMs and razor-sharp response for agility on technical race courses. At the pinnacle, the Champion (36000KV) combines maximum power and instant throttle response with durable dual-ball bearings, engineered for dominant, professional-grade racing.



Enhanced Crash Durability

Engineered for resilience, the 0702 Brushless Motors (2026) feature an upgraded rotor housing material and a reinforced shaft design. This construction is built to withstand harder impacts during flight, significantly reducing the likelihood of damage from crashes.

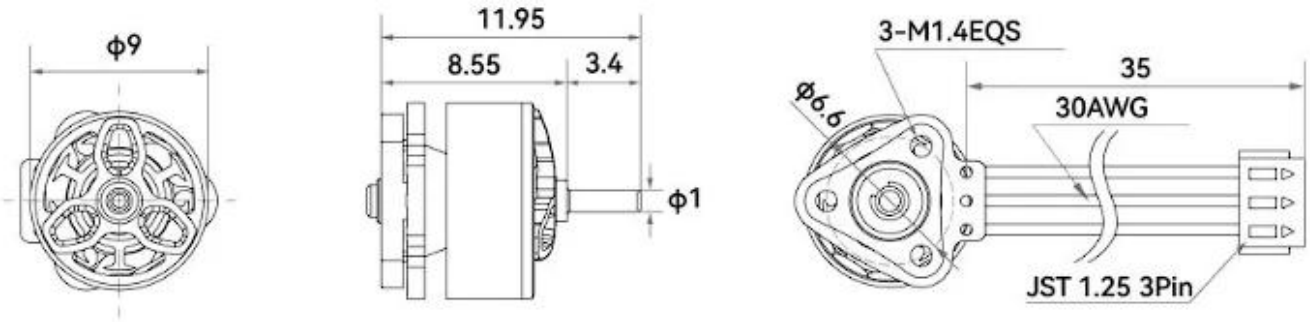
Recommended Parts

- Propellers: GF 1207 3-B Props (Champion/Racing), GF 1219S 3-B Props (Freestyle)
- Frame: Air65 II Frame, Air65 Champion Frame
- FC: Matrix 1S 5IN1 II
- Battery: LAVA II 1S 280mAh/320mAh Batt

Outline Drawing

0702 Champion/Racing/Freestyle

Unit: mm



Load Performance

Model	Propeller	Voltage (V)	Throttle (%)	Current (A)	Thrust (g)	Efficiency (g/w)	Input (W)	Speed (RPM)
Champion 0702 - 36000KV	GF 1207 -3P	3.92	20	0.74	2.0	0.69	2.90	5602
		3.92	30	1.15	6.4	1.42	4.51	25866
		3.91	40	1.93	11	1.46	7.54	33792
		3.90	50	2.75	15.7	1.46	10.72	40248
		3.89	60	3.48	20.6	1.52	13.53	45775
		3.88	70	4.24	25.5	1.55	16.43	51074
		3.87	80	5.13	30.5	1.54	19.83	55825
		3.85	90	6.03	34.8	1.50	23.21	59947
		3.84	100	7.17	39.3	1.43	27.53	63597

Racing 0702 - 30000KV	GF 1207 -3P	3.93	20	0.42	1.8	1.09	1.65	14757
		3.92	30	1.01	5.1	1.28	3.97	23541
		3.91	40	1.71	9.3	1.39	6.69	31298
		3.90	50	2.39	13.5	1.45	9.32	37570
		3.89	60	3.01	17.9	1.53	11.70	43046
		3.89	70	3.62	22	1.56	14.07	47557
		3.88	80	4.35	26.8	1.59	16.85	52514
		3.87	90	5.07	31.3	1.60	19.60	56887
		3.86	100	6.03	35.7	1.54	23.23	60394
Freestyle 0702 -25000KV	GF 1207 -3P	3.93	20	0.21	1.1	1.36	0.81	12534
		3.93	30	0.57	3.5	1.57	2.23	20705
		3.92	40	0.97	6.5	1.70	3.82	27855
		3.92	50	1.43	10.4	1.86	5.58	33787
		3.91	60	1.84	14.3	1.98	7.21	38905
		3.91	70	2.24	17.7	2.02	8.76	43233
		3.90	80	2.68	21.4	2.05	10.45	47380
		3.89	90	3.19	25.2	2.03	12.40	51113
		3.88	100	3.86	28.8	1.92	15.01	54755
Remark	The above data represents the test samples only.							