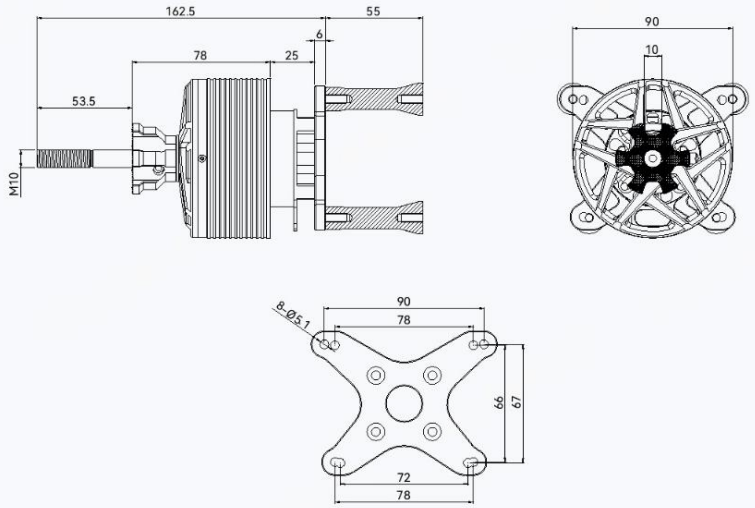
T-Motor AM910 Technische Daten

Product Drawing



Basic Specifications

Test Item	AM910	Motor Dimensions	Φ90*156.5mm
Output Shaft Diameter	10mm	Configuration	24N28P
Magnet Grade	Continuous operation at 180 °C	Coil Insulation Test	1000V Dielectric Withstand Test
Dynamic Balance Requirements Standards	≤5mg	Lead	Enameled Wire*160mm
Connector Specification	XT150-M-Male Connector, Red, Blue and black		

Technical Specifications

Motor KV	KV190	Idle Current (15V)	7.0A
Max. Power (60s)	8470W	Maximum Current (60s)	180A
Rated Operating Voltage (LiPo)	12S	Internal Resistance	6mΩ
Maximum Thrust	24.6kg	Weight (Incl. Cable)	1285g

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Recommended Setup

3D Aircraft Size	90~96 Inch	3D Aircraft Takeoff Weight	<24.6kg
Recommended ESC	AM216A	Recommended Battery	12S 5600~6600mAh
Recommended Propeller	AMZ 24*10、AMZ 25*10	Equivalent Engine	75CC
UAV Size	3.5~4.2m	UAV Takeoff Weight	<70kg
Recommended ESC	AM216A	Recommended Voltage	44.4~50.4V
Recommended Propeller	AMZ 24*10、AMZ 25*10	Equivalent Engine	100CC

Test Specifications

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N·m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (℃)
AM910 KV190	AMZ 24*10	40%	50.03	25.03	1252	4152	1.96	6283	5.02	/
		45%	49.96	29.69	1483	4430	2.24	7292	4.92	
		50%	49.87	35.06	1749	4703	2.55	8369	4.79	
		55%	49.76	40.83	2032	4973	2.89	9461	4.66	
		60%	49.63	48.18	2391	5277	3.30	10786	4.51	
		65%	49.48	56.40	2790	5575	3.72	12183	4.37	
		70%	49.28	66.28	3266	5896	4.21	13760	4.21	
		75%	49.08	78.16	3836	6211	4.73	15415	4.02	
		80%	48.86	90.28	4411	6519	5.28	17165	3.89	
		85%	48.59	106.65	5182	6829	5.89	19061	3.68	
		90%	48.32	121.84	5888	7092	6.46	20582	3.50	
		100%	47.82	149.23	7136	7518	7.53	21789	3.05	
Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N·m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (℃)
AM910 KV190	AMZ 25*10	40%	49.98	26.09	1304	3994	2.17	6955	5.33	/
		45%	49.90	31.68	1581	4274	2.51	8074	5.11	
		50%	49.79	37.35	1860	4538	2.86	9256	4.98	
		55%	49.65	44.46	2208	4841	3.26	10560	4.78	
		60%	49.50	53.23	2635	5146	3.72	12035	4.57	
		65%	49.32	62.44	3079	5459	4.26	13764	4.47	
		70%	49.10	75.28	3696	5786	4.85	15629	4.23	
		75%	48.86	88.47	4322	6100	5.45	17464	4.04	
		80%	48.61	102.31	4973	6394	6.07	19418	3.90	
		85%	48.33	119.77	5789	6672	6.72	21338	3.69	
		90%	47.98	138.15	6628	6942	7.46	22504	3.40	
		100%	47.28	179.12	8470	7409	8.95	24662	2.91	

Note: The motor temperature refers to the casing temperature measured after running the motor at 100% throttle for 10 minutes.
(This data was obtained from T-MOTOR's in-house testing platform and is provided for reference only. T-MOTOR reserves the right of final interpretation.)

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