

IV9 (IV7224)

Test Data									
Type	Voltage (V)	Throttle	Current (A)	Thrust (gf)	Torque (N·m)	Speed (RPM)	Power (W)	Efficiency (gf/W)	Operating Temperature (°C)
IV9 (IV7224) KV160 + 14S FOC IV150A + 24*10	48	30%	2.82	1338	0.47	2021	135	9.88	84 (Ambient Temperature: 25)
		35%	4.17	1887	0.62	2366	200	9.42	
		40%	5.99	2537	0.84	2719	288	8.82	
		45%	8.40	3318	1.04	3074	403	8.22	
		50%	11.25	4147	1.31	3426	540	7.68	
		55%	14.82	5063	1.59	3780	712	7.11	
		60%	19.22	6139	1.88	4130	923	6.65	
		65%	24.25	7239	2.25	4480	1165	6.21	
		70%	30.32	8460	2.59	4831	1456	5.81	
		75%	37.63	9843	3.02	5183	1806	5.45	
		80%	46.83	11433	3.48	5538	2247	5.09	
		85%	57.69	13138	4.00	5809	2767	4.75	
		90%	71.69	15377	4.47	6331	3439	4.47	
		95%	92.72	17584	5.43	6743	4439	3.96	
		100%	100.02	18467	5.73	6899	4787	3.86	
IV9 (IV7224) KV160 + 14S FOC IV150A + 24*12	48	30%	3.16	11579	0.55	2007	152	10.38	86 (Ambient Temperature: 25)
		35%	4.77	2197	0.75	2359	229	9.58	
		40%	6.87	2934	0.97	2710	331	8.87	
		45%	9.59	3778	1.24	3061	462	8.19	
		50%	12.99	4717	1.52	3410	625	7.55	
		55%	17.22	5790	1.87	3758	828	6.99	
		60%	22.27	6960	2.21	4105	1071	6.50	
		65%	28.39	8224	2.59	4451	1364	6.03	
		70%	35.24	9620	3.07	4795	1694	5.68	
		75%	44.34	11114	3.54	5148	2130	5.22	
		80%	54.82	12787	4.10	5502	2632	4.86	
		85%	68.17	14683	4.69	5872	3272	4.49	
		90%	86.99	17035	5.43	6298	4170	4.09	
		95%	98.84	18362	5.86	6510	4738	3.88	
		100%	98.82	18341	5.86	6509	4736	3.87	
IV9 (IV7224) KV160 + 14S FOC IV150A + 22*10	60	30%	3.14	1593	0.51	2568	188	8.47	91 (Ambient Temperature: 25)
		35%	4.59	2188	0.67	2994	275	7.97	
		40%	6.52	2915	0.88	3433	390	7.47	
		45%	9.00	3766	1.12	3876	539	6.99	
		50%	12.14	4757	1.40	4322	727	6.55	
		55%	15.97	5847	1.68	4765	956	6.12	
		60%	20.65	7036	2.03	5211	1236	5.69	
		65%	26.46	8417	2.39	5655	1584	5.32	
		70%	33.45	9905	2.83	6112	2001	4.95	
		75%	41.81	11572	3.29	6558	2501	4.63	
		80%	52.18	13423	3.91	7021	3120	4.30	
		85%	65.33	15508	4.49	7498	3904	3.97	
		90%	86.18	17336	5.37	8061	5140	3.37	
		95%	105.91	18458	6.11	8452	6318	2.92	
		100%	105.79	18443	6.10	8440	6309	2.92	
Note: Motor temperature is the motor surface temperature at 100% throttle running 3min. (Data above based on IPET SYSTEM benchtest are for reference only. Final interpretation rights reserved by IPET SYSTEM.)									

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IV9 (IV7224) KV190 + 14S FOC IV150A + 22*10	48	30%	3.85	1498	0.47	2521	185	8.11	84 (Ambient Temperature: 25)
		35%	5.50	2060	0.62	2925	264	7.82	
		40%	7.65	2721	0.81	3337	367	7.42	
		45%	10.46	3499	1.03	3765	501	6.98	
		50%	14.07	4441	1.27	4196	675	6.58	
		55%	18.39	5437	1.56	4627	881	6.17	
		60%	23.88	6594	1.88	5054	1144	5.76	
		65%	30.28	7796	2.21	5481	1451	5.37	
		70%	37.89	9151	2.56	5907	1815	5.04	
		75%	47.24	10678	3.01	6338	2263	4.72	
		80%	58.51	12321	3.47	6769	2801	4.40	
		85%	72.21	14094	3.96	7210	3456	4.08	
		90%	88.66	16547	4.57	7696	4239	3.90	
		95%	122.18	17393	5.63	8217	5832	2.98	
100%	121.67	17379	5.61	8203	5808	2.99			
Note: Motor temperature is the motor surface temperature at 100% throttle running 3min. (Data above based on IPET SYSTEM benchtest are for reference only. Final interpretation rights reserved by IPET SYSTEM.)									
Packing List									



IV9 (IV7224)*1



Parts Bag*1