

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	18.47	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.)

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) 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