IV7 (IV7215)

Test Data									
Type	Voltage (V)	Throttle	Current (A)	Thrust (gf)	Torque (N·m)	Speed (RPM)	Power (W)	Efficiency (gf/W)	Operating Temperature (℃)
IV7 (IV7215) KV170 + 14S FOC IV150A + 22*10	48	30%	2.13	1005	0.34	2151	103	9.78	52 (Ambient Temperature: 25)
		35%	3.18	1439	0.46	2525	154	9.37	
		40%	4.59	1978	0.61	2897	221	8.94	
		45%	6.38	2562	0.77	3269	308	8.33	
		50%	8.64	3248	0.98	3637	416	7.80	
		55%	11.34	4015	1.18	4010	547	7.34	
		60%	14.89	4867	1.41	4376	718	6.78	
		65%	18.98	5809	1.67	4744	915	6.35	
		70%	23.82	6833	1.97	5108	1148	5.95	
		75%	29.41	7899	2.26	5474	1417	5.58	
		80%	35.86	8957	2.56	5840	1727	5.19	
		85%	43.58	10185	2.89	6215	2098	4.86	
		90%	53.52	11645	3.30	6605	2575	4.52	
		95%	74.03	13984	3.67	7160	3559	3.93	
		100%	79.02	14667	4.16	7343	3795	3.87	
IV7 (IV7215) KV170 + 14S FOC IV150A + 19*12	60	30%	2.08	1072	0.36	2530	124	8.63	54 (Ambient Temperature: 25)
		35%	3.13	1523	0.49	2967	187	8.15	
		40%	4.52	2050	0.66	3410	270	7.60	
		45%	6.28	2643	0.83	3853	375	7.05	
		50%	8.48	3319	1.01	4293	506	6.57	
		55%	11.15	4090	1.21	4732	665	6.15	
		60%	14.50	4932	1.46	5169	864	5.71	
		65%	18.31	5823	1.72	5611	1091	5.34	
		70%	23.01	6783	1.99	6053	1372	4.95	
		75%	28.43	7819	2.28	6485	1694	4.62	
		80%	34.93	8958	2.61	6924	2082	4.30	
		85%	42.75	10196	2.97	7372	2547	4.00	
		90%	55.49	10382	3.62	7816	3305	3.14	
		95%	70.15	11700	4.20	8339	4175	2.80	
		100%	83.12	12631	4.62	8707	4945	2.55	
IV7 (IV7215) KV170 + 14S FOC IV150A + 20*10	60	30%	2.21	1174	0.37	2530	133	8.84	48 (Ambient Temperature: 25)
		35%	3.30	1691	0.51	2969	199	8.51	
		40%	4.77	2268	0.66	3412	287	7.90	
		45%	6.62	2932	0.84	3854	398	7.36	
		50%	9.01	3698	1.06	4301	542	6.83	
		55%	12.01	4513	1.28	4744	722	6.25	
		60%	15.56	5427	1.57	5182	936	5.80	
		65%	19.91	6486	1.82	5619	1197	5.42	
		70%	25.04	7626	2.13	6053	1505	5.07	
		75%	31.16	8817	2.46	6498	1873	4.71	
		80%	38.39	10122	2.87	6931	2307	4.39	
		85%	47.53	11583	3.28	7389	2856	4.06	
		90%	59.38	13275	3.79	7872	3567	3.72	
		95%	67.94	14347	4.10	8148	4078	3.52	
		100%	68.03	14318	4.13	8160	4085	3.51	

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.)

IV7 (IV7215)

Test Data									
Type	Voltage (V)	Throttle	Current (A)	Thrust (gf)	Torque (N·m)	Speed (RPM)	Power (W)	Efficiency (gf/W)	Operating Temperature (℃)
IV7 (IV7215) KV200 + 14S FOC IV150A + 19*12	48	30%	2.64	1058	0.35	2532	128	8.29	64 (Ambient Temperature: 25)
		35%	3.94	1478	0.49	2968	191	7.76	
		40%	5.69	2022	0.64	3411	275	7.34	
		45%	7.93	2643	0.81	3851	384	6.89	
		50%	10.73	3311	1.00	4292	519	6.38	
		55%	14.16	4051	1.21	4728	685	5.92	
		60%	18.29	4865	1.45	5165	884	5.50	
		65%	23.23	5771	1.72	5600	1124	5.14	
		70%	29.20	6776	1.98	6034	1411	4.80	
		75%	36.08	7837	2.25	6470	1743	4.50	
		80%	44.55	8956	2.67	6907	2151	4.16	
		85%	54.50	10169	3.05	7355	2631	3.87	
		90%	71.97	10618	3.65	7841	3472	3.06	
		95%	91.11	11834	4.21	8329	4390	2.70	
		100%	91.00	11789	4.20	8312	4386	2.69	
IV7 (IV7215) KV200 + 14S FOC IV150A + 20*10	48	30%	2.69	1087	0.36	2482	130	8.35	62 (Ambient Temperature: 25)
		35%	4.01	1565	0.48	2917	194	8.06	
		40%	5.78	2159	0.64	3358	280	7.71	
		45%	8.07	2798	0.81	3799	391	7.16	
		50%	10.88	3496	1.00	4236	527	6.64	
		55%	14.50	4318	1.25	4672	702	6.15	
		60%	18.72	5200	1.50	5107	906	5.74	
		65%	23.86	6197	1.74	5536	1154	5.37	
		70%	29.99	7250	2.02	5967	1451	5.00	
		75%	37.31	8439	2.33	6396	1804	4.68	
		80%	46.11	9692	2.79	6833	2230	4.35	
		85%	56.96	11082	3.20	7271	2752	4.03	
		90%	70.47	12610	3.62	7734	3403	3.71	
		95%	87.31	14237	4.11	8178	4211	3.38	
		100%	87.33	14224	4.10	8175	4215	3.38	
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



Packaging Box*1



IV7 (IV7215)*1



Parts Bag*1

Before using this product, please check if all the items listed above are included in the packaging.
If there are any missing items, please contact our online customer service or leave message to " info@ipetsystem.com " in time.