

T-Motor F90 1300KV Thrust Test

ESC signal (μs)	Thrust (gf)	Voltage (V)	Current (A)	Motor Electrical Speed (RPM)	Electrical Power (W)	Overall Efficiency (gf/W)	Propeller: Dalprop 6040
10%	11	16.73	0.08	2198	1.3	8.1	
20%	34	16.72	0.34	4269	5.7	6.0	
30%	71	16.71	0.75	6249	12.6	5.7	
40%	123	16.70	1.33	8150	22.2	5.5	
50%	189	16.68	2.11	9984	35.2	5.4	
60%	274	16.65	3.23	11917	53.7	5.1	
70%	374	16.61	4.68	13656	77.7	4.8	
80%	488	16.55	6.59	15500	109.1	4.5	
90%	624	16.49	9.00	17101	148.3	4.2	
100%	748	16.41	11.60	18794	190.4	3.9	
ESC signal (μs)	Thrust (gf)	Voltage (V)	Current (A)	Motor Electrical Speed (RPM)	Electrical Power (W)	Overall Efficiency (gf/W)	Propeller: Dalprop 6040
10%	15	20.92	0.11	2751	2.2	6.8	
20%	51	20.91	0.45	5304	9.3	5.4	
30%	112	20.89	1.02	7768	21.4	5.3	
40%	194	20.86	1.85	10136	38.7	5.0	
50%	303	20.82	3.04	12463	63.2	4.8	
60%	429	20.76	4.64	14639	96.3	4.5	
70%	585	20.69	6.80	16755	140.7	4.2	
80%	754	20.58	9.72	18888	200.1	3.8	
90%	939	20.46	13.08	20823	267.6	3.5	
100%	1117	20.30	17.10	22753	347.2	3.2	
ESC signal (μs)	Thrust (gf)	Voltage (V)	Current (A)	Motor Electrical Speed (RPM)	Electrical Power (W)	Overall Efficiency (gf/W)	Propeller: Dalprop 6040
10%	21	25.19	0.14	3309	3.5	6.1	
20%	75	25.16	0.58	6352	14.5	5.2	
30%	161	25.10	1.32	9256	33.1	4.9	
40%	288	25.00	2.51	12140	62.9	4.6	
50%	435	24.87	4.10	14682	102.0	4.3	
60%	608	24.69	6.24	17115	154.0	3.9	
70%	802	24.44	9.15	19408	223.7	3.6	
80%	1017	24.13	12.72	21654	307.0	3.3	
90%	1248	23.75	17.39	23975	413.1	3.0	
100%	1446	23.36	21.73	25728	507.6	2.8	
ESC signal (μs)	Thrust (gf)	Voltage (V)	Current (A)	Motor Electrical Speed (RPM)	Electrical Power (W)	Overall Efficiency (gf/W)	Propeller: Dalprop 7056
10%	14	16.77	0.10	2171	1.7	8.6	
20%	66	16.76	0.51	4146	8.6	7.7	
30%	149	16.74	1.31	5978	22.0	6.8	
40%	249	16.71	2.44	7595	40.9	6.1	
50%	377	16.67	4.11	9190	68.6	5.5	
60%	542	16.60	6.67	10794	110.8	4.9	
70%	730	16.52	9.92	12325	163.9	4.5	
80%	922	16.41	13.93	13760	228.6	4.0	
90%	1118	16.28	18.58	15111	302.3	3.7	
100%	1302	16.13	23.73	16281	382.7	3.4	
ESC signal (μs)	Thrust (gf)	Voltage (V)	Current (A)	Motor Electrical Speed (RPM)	Electrical Power (W)	Overall Efficiency (gf/W)	Propeller: Dalprop 7056
10%	25	20.97	0.15	2708	3.0	8.2	
20%	108	20.95	0.73	5117	15.4	7.0	
30%	231	20.92	1.82	7323	38.0	6.1	
40%	391	20.86	3.50	9294	73.1	5.4	
50%	606	20.77	6.34	11354	131.7	4.6	
60%	821	20.66	9.65	13031	199.5	4.1	
70%	1059	20.50	14.05	14641	288.0	3.7	
80%	1306	20.31	19.31	16251	392.2	3.3	
90%	1549	20.09	25.49	17651	512.0	3.0	
100%	1772	19.84	32.09	18773	636.7	2.8	
ESC signal (μs)	Thrust (gf)	Voltage (V)	Current (A)	Motor Electrical Speed (RPM)	Electrical Power (W)	Overall Efficiency (gf/W)	Propeller: Dalprop 7056
10%	37	25.19	0.19	3232	4.8	7.7	
20%	154	25.14	0.97	6070	24.3	6.3	
30%	324	25.03	2.40	8567	60.0	5.4	
40%	562	24.84	4.86	10973	120.8	4.7	
50%	807	24.58	8.15	12945	200.4	4.0	
60%	1068	24.23	12.43	14751	301.3	3.5	
70%	1325	23.83	17.42	16316	415.0	3.2	
80%	1594	23.34	23.64	17888	551.7	2.9	

90%	1849	22.79	30.42	19088	693.4	2.7
100%	2040	22.25	37.19	19811	827.3	2.5

