

**PM600L THRUST DATA**
**72V SUPPLY AND 35.5" x 12.1" PROPELLER**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
0	0	0.21	15	0.01	0	23.5	60
1468	20	4.36	314	3.36	10.7	27.2	79
1522	21	4.74	341	3.58	10.49	29.6	79
1568	22	5.13	370	3.82	10.34	31.7	79
1616	23	5.48	395	3.88	9.83	33.9	80
1659	24	5.93	427	4.25	9.95	36.1	81
1702	25	6.30	454	4.47	9.85	38.2	82
1741	26	6.71	483	4.62	9.56	40.2	83
1783	27	7.04	507	4.69	9.25	42.3	84
1821	28	7.33	528	4.86	9.2	44.2	83
1850	29	7.78	560	5.25	9.37	46.2	82
1893	30	8.23	593	5.31	8.96	48.1	83
1931	31	8.71	627	5.74	9.15	49.9	83
1962	32	9.15	659	5.89	8.94	51.8	83
2001	33	9.61	692	6.35	9.17	53.7	84
2043	34	10.07	725	6.51	8.98	55.5	83
2075	35	10.57	761	6.48	8.51	57.3	85
2122	36	11.00	792	6.77	8.55	59.0	86
2158	37	11.48	827	7.16	8.66	60.6	87
2194	38	12.12	873	7.11	8.15	62.4	88
2227	39	12.50	900	7.42	8.24	64.0	89
2264	40	13.12	945	7.79	8.24	65.5	93
2298	41	13.76	991	8.09	8.16	67.0	88
2345	42	14.37	1035	8.30	8.02	68.6	88
2379	43	14.84	1069	8.66	8.1	70.0	89
2419	44	15.81	1139	8.92	7.83	71.5	88
2457	45	16.38	1180	9.21	7.81	73.0	88
2498	46	16.86	1214	9.49	7.82	74.4	89
2531	47	17.74	1278	9.92	7.76	75.9	89
2571	48	18.57	1337	10.09	7.55	77.4	84
2602	49	19.34	1393	10.38	7.45	78.7	87
2647	50	20.11	1448	10.74	7.42	80.1	93
2687	51	20.66	1488	10.97	7.37	81.6	92
2722	52	21.68	1561	11.32	7.25	83.0	97
2756	53	22.65	1631	11.90	7.3	84.3	92
2799	54	23.32	1679	11.90	7.09	85.7	92
2833	55	24.43	1759	12.48	7.09	87.2	91

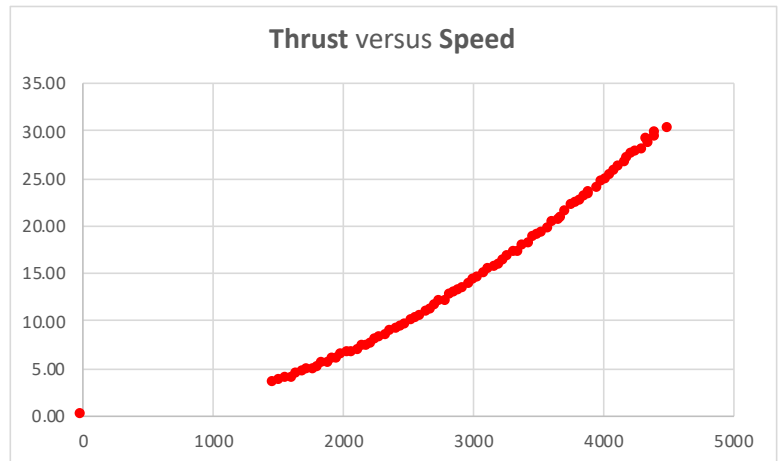
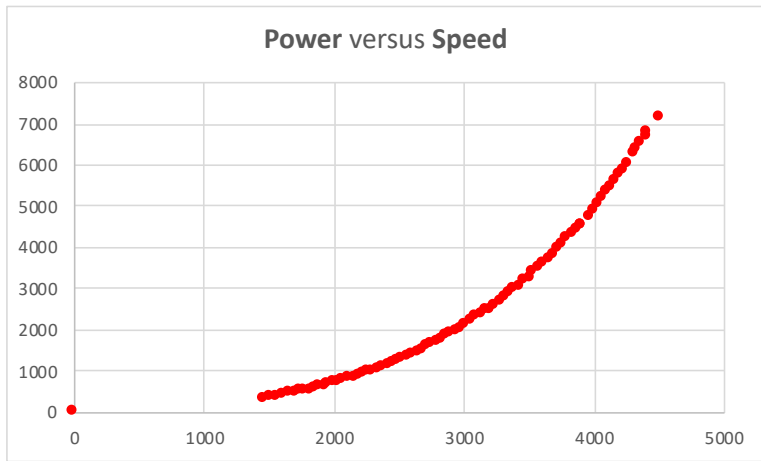
**PM600L THRUST DATA**
**72V SUPPLY AND 35.5" x 12.1" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
RPM	%	Amps	Watts	kgf	gf/W	°C	dB
2874	56	25.52	1838	12.83	6.98	88.7	90
2906	57	26.47	1906	12.97	6.8	90.2	90
2941	58	26.71	1923	13.29	6.91	91.5	91
2979	59	27.99	2015	13.73	6.81	92.7	92
3014	60	29.27	2108	14.05	6.67	96.3	93
3055	61	30.24	2177	14.23	6.54	97.7	91
3094	62	31.64	2278	14.69	6.45	98.6	94
3136	63	32.39	2332	15.18	6.51	99.9	94
3175	64	33.96	2445	15.37	6.29	100.9	94
3208	65	34.29	2469	15.59	6.31	102.0	92
3242	66	35.85	2581	16.14	6.25	103.4	93
3285	67	37.26	2683	16.54	6.16	104.7	95
3322	68	38.61	2780	17.02	6.12	106.1	94
3358	69	39.71	2859	17.14	5.99	107.3	94
3394	70	41.10	2959	17.73	5.99	108.6	94
3436	71	42.27	3044	17.83	5.86	110.0	94
3474	72	44.05	3172	18.59	5.86	111.3	95
3512	73	44.98	3239	18.81	5.81	112.7	95
3542	74	46.86	3374	19.10	5.66	114.2	95
3584	75	48.32	3479	19.59	5.63	115.8	96
3622	76	49.83	3588	20.13	5.61	117.3	97
3669	77	51.40	3701	20.36	5.5	119.2	95
3691	78	52.63	3790	20.70	5.46	120.7	96
3729	79	54.59	3931	21.22	5.4	122.1	96
3766	80	56.00	4032	21.90	5.43	124.0	98
3796	81	58.06	4181	22.21	5.31	125.6	97
3837	82	59.67	4297	22.39	5.21	127.7	98
3874	83	61.23	4409	22.80	5.17	129.4	96
3903	84	62.69	4514	23.42	5.19	131.5	92
3903	85	62.96	4534	23.01	5.08	133.2	97
3970	86	65.69	4730	23.85	5.04	134.8	97
4003	87	67.50	4860	24.36	5.01	137.0	99
4037	88	70.05	5043	24.58	4.87	139.1	98
4073	89	71.99	5158	25.14	4.87	141.2	98
4107	90	73.79	5312	25.55	4.81	143.3	100
4138	91	75.73	5452	26.11	4.79	145.8	98
4175	92	77.71	5594	26.48	4.73	147.9	99

**PM600L THRUST DATA**

**72V SUPPLY AND 35.5" x 12.1" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
RPM	%	Amps	Watts	kgf	gf/W	°C	dB
4203	93	79.72	5736	26.90	4.69	150.4	101
4236	94	81.51	5864	27.33	4.66	153.0	100
4266	95	83.47	6005	27.69	4.61	155.4	100
4311	96	86.89	6251	27.93	4.47	158.2	101
4338	97	88.65	6377	28.99	4.55	161.3	101
4367	98	90.43	6505	28.56	4.39	166.5	100
4410	99	93.01	6690	29.17	4.36	169.5	102
4417	100	94.09	6767	29.52	4.36	172.5	105
Final run at 100% carried out separately due to temperature limits							Advance 30 deg
4510	100	99.19	7134	30.10	4.22		102

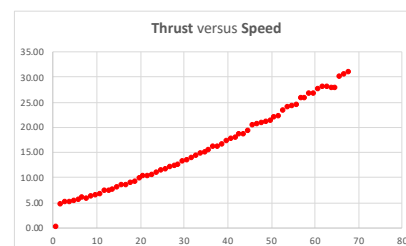
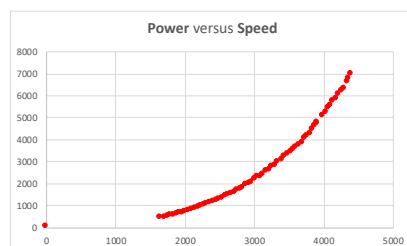


**PM600L THRUST DATA**  
**84V SUPPLY AND 35.5" x 12.1" PROPELLER**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
0	0	0.22	18	0.01	0.00	26.6	60
1644	20	5.10	429	4.35	10.15	32.0	79
1703	21	5.52	464	4.85	10.45	34.7	80
1751	22	5.91	497	4.88	9.82	37.3	80
1791	23	6.32	531	5.18	9.75	39.7	84
1841	24	6.68	561	5.39	9.60	42.0	84
1884	25	7.18	603	5.77	9.56	44.3	83
1927	26	7.63	641	5.57	8.69	46.5	83
1966	27	8.12	682	6.13	8.98	48.6	83
2011	28	8.61	724	6.31	8.72	50.8	83
2060	29	9.10	765	6.40	8.37	53.2	84
2107	30	9.58	805	7.09	8.81	55.3	85
2149	31	10.25	861	7.09	8.23	57.4	88
2199	32	10.72	901	7.40	8.21	59.7	87
2238	33	11.24	945	7.85	8.31	61.8	90
2282	34	11.95	1004	8.18	8.15	63.8	93
2316	35	12.46	1047	8.37	7.99	65.6	91
2363	36	13.15	1105	8.70	7.87	67.6	89
2408	37	13.73	1154	8.99	7.79	69.7	88
2454	38	14.52	1220	9.57	7.84	71.8	88
2496	39	15.17	1275	9.97	7.82	73.7	87
2541	40	16.00	1345	10.04	7.47	75.7	89
2583	41	16.84	1415	10.28	7.26	77.2	88
2625	42	17.62	1481	10.78	7.28	79.0	90
2670	43	18.45	1550	11.11	7.17	80.7	93
2715	44	18.93	1591	11.53	7.25	82.7	96
2755	45	19.84	1667	11.89	7.13	84.6	96
2800	46	20.82	1749	12.01	6.87	86.6	92
2842	47	21.48	1805	12.35	6.84	88.6	91
2885	48	22.92	1926	12.91	6.70	90.5	91
2933	49	23.90	2008	13.28	6.61	92.1	96
2970	50	24.60	2067	13.62	6.59	93.7	92
3010	51	26.01	2185	14.07	6.44	95.4	92
3043	52	27.25	2290	14.56	6.36	97.4	91
3089	53	27.51	2311	14.69	6.36	99.1	92
3129	54	28.92	2430	15.24	6.27	101.0	91
3177	55	30.44	2557	15.90	6.22	103.1	92

**PM600L THRUST DATA**
**84V SUPPLY AND 35.5" x 12.1" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
3221	56	31.30	2630	16.01	6.09	105.2	95
3261	57	32.90	2764	16.47	5.96	106.8	95
3307	58	33.70	2831	16.97	5.99	108.6	95
3345	59	35.25	2961	17.40	5.88	110.4	94
3399	60	36.54	3070	17.81	5.80	112.6	95
3443	61	38.60	3243	18.31	5.65	114.4	97
3484	62	39.41	3311	18.43	5.57	116.4	96
3537	63	40.91	3437	18.99	5.53	118.8	94
3573	64	42.02	3530	20.15	5.71	120.8	98
3606	65	43.11	3622	20.51	5.66	123.2	97
3649	66	44.70	3755	20.69	5.51	125.4	96
3694	67	46.05	3869	20.97	5.42	127.1	96
3734	68	48.21	4050	21.08	5.21	129.5	98
3771	69	49.68	4173	21.84	5.23	131.4	97
3816	70	50.50	4242	22.04	5.20	133.4	98
3847	71	53.33	4480	23.12	5.16	135.7	97
3885	72	54.83	4606	23.88	5.18	138.5	98
3903	73	56.25	4725	24.01	5.08	140.6	98
3903	74	56.67	4761	24.27	5.10	142.9	99
3998	75	60.49	5082	25.54	5.03	145.7	100
4039	76	62.08	5215	25.67	4.92	148.6	100
4070	77	64.63	5429	26.52	4.88	151.3	102
4110	78	65.86	5533	26.55	4.80	154.2	100
4146	79	68.33	5740	27.38	4.77	156.9	101
4187	80	69.89	5871	27.81	4.74	159.7	100
4225	81	71.98	6047	27.83	4.60	162.6	100
4268	82	73.86	6205	27.54	4.44	165.4	100
4309	83	74.97	6298	27.56	4.38	168.0	101
4346	84	78.70	6609	29.82	4.51	171.0	104
4374	85	80.66	6772	30.26	4.47	174.0	104
4404	86	82.87	6958	30.64	4.40	177.8	104
Final run at 100% carried out separately due to temperature limits							Advance 30 deg
4964	100	122.23	10249	37.75	3.68		112

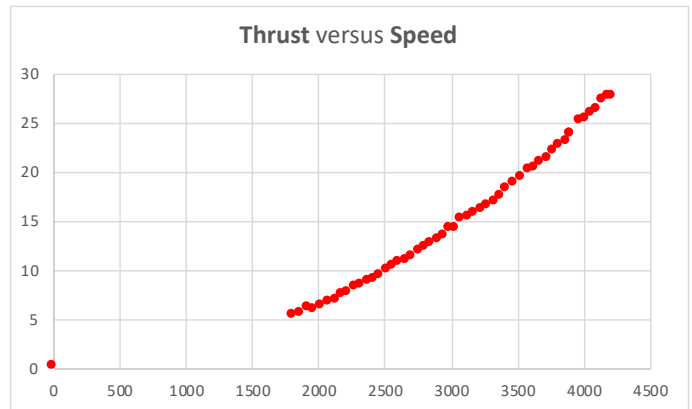
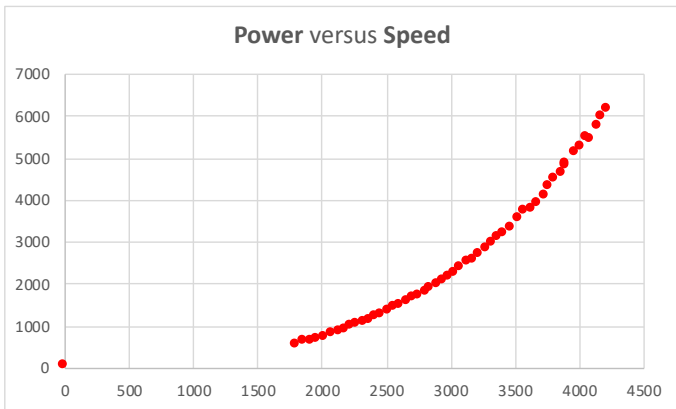


**PM600L THRUST DATA**  
**96V SUPPLY AND 35.5" x 12.1" PROPELLER**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
0	0	0.24	23	0.12	0.00	22.7	60
1809	20	5.71	548	5.29	9.65	28.2	83
1865	21	6.25	600	5.54	9.23	31.6	83
1919	22	6.67	641	6.11	9.54	35.1	84
1971	23	7.14	686	5.96	8.69	38.3	84
2022	24	7.61	731	6.28	8.59	41.6	85
2086	25	8.21	789	6.76	8.57	44.8	85
2133	26	8.72	838	6.81	8.13	47.9	86
2180	27	9.33	896	7.38	8.24	51.0	85
2229	28	9.98	959	7.71	8.04	54.0	86
2279	29	10.44	1003	8.25	8.23	57.0	88
2328	30	11.17	1073	8.47	7.90	60.0	90
2379	31	11.76	1129	8.78	7.77	62.8	91
2422	32	12.49	1200	9.08	7.57	65.6	86
2467	33	13.00	1249	9.45	7.57	68.3	88
2521	34	13.84	1329	9.94	7.48	71.1	88
2567	35	14.69	1411	10.35	7.34	73.6	89
2614	36	15.42	1481	10.75	7.26	76.1	90
2663	37	16.14	1550	10.92	7.05	78.9	89
2712	38	17.04	1636	11.26	6.88	81.5	90
2757	39	17.74	1704	11.9	6.99	84.2	95
2809	40	18.63	1789	12.38	6.92	87.1	93
2848	41	19.43	1866	12.74	6.83	89.8	92
2907	42	20.37	1956	13.03	6.66	92.4	91
2950	43	21.49	2064	13.46	6.52	94.7	92
2996	44	22.57	2167	14.15	6.53	97.1	92
3039	45	23.43	2250	14.3	6.36	99.5	93
3083	46	24.58	2360	15.11	6.40	102.3	92
3133	47	25.97	2494	15.36	6.16	105.1	92
3184	48	26.62	2556	15.7	6.14	107.7	94
3230	49	28.17	2705	16.17	5.98	110.3	93
3280	50	29.28	2811	16.52	5.88	112.6	94
3332	51	30.80	2957	16.88	5.71	115.3	96
3377	52	32.01	3073	17.59	5.72	117.8	95
3421	53	33.32	3199	18.34	5.73	120.7	95
3477	54	34.49	3312	18.78	5.67	123.6	95

**PM600L THRUST DATA**
**96V SUPPLY AND 35.5" x 12.1" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
3535	55	36.78	3531	19.35	5.48	126.3	94
3583	56	38.76	3722	20.18	5.42	128.9	96
3631	57	39.17	3761	20.46	5.44	131.4	97
3677	58	40.76	3914	20.94	5.35	134.6	97
3732	59	42.72	4102	21.28	5.19	137.8	98
3775	60	44.70	4292	22.11	5.15	141.0	97
3817	61	46.62	4476	22.64	5.06	144.1	98
3868	62	48.17	4625	23.09	4.99	147.2	100
3903	63	49.93	4794	23.87	4.98	150.6	99
3903	64	50.34	4833	23.87	4.94	153.9	99
3976	65	53.11	5099	25.29	4.96	157.4	100
4016	66	54.55	5238	25.44	4.86	160.5	101
4057	67	57.07	5480	26.05	4.75	163.7	97
4096	68	56.55	5430	26.32	4.85	167.4	100
4148	69	59.65	5727	27.35	4.78	171.1	101
4183	70	62.05	5958	27.68	4.65	174.8	101
4223	71	63.90	6135	27.78	4.53	178.7	101
Final run at 100% carried out separately due to temperature limits							Advance 30 deg
5425	100	147.40	14115	45.71	3.24	177.3	109



**PM600L THRUST DATA**
**72V SUPPLY AND 30.5" x 9.7" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
0	0	0.21	15.13	0.04	0	32.36	50
1807	20	3.87	278.74	2.72	9.76	35.43	77.1
1863	21	4.12	296.75	3.03	10.21	36.82	77.8
1904	22	4.46	321.24	3.18	9.9	38.21	78.8
1973	23	4.72	339.97	3.26	9.59	39.56	78.6
2027	24	5.03	362.29	3.26	9	40.91	80.7
2079	25	5.35	385.34	3.42	8.88	42.27	80.6
2130	26	5.55	399.74	3.83	9.58	43.57	81
2172	27	5.97	429.99	3.95	9.19	44.87	81.5
2216	28	6.25	450.15	4.13	9.17	46.16	81.8
2235	29	6.59	474.63	4.24	8.93	47.39	81.5
2264	30	6.55	471.75	4.49	9.52	48.66	80.9
2309	31	7.31	526.48	4.51	8.57	49.95	80.9
2321	32	7.59	546.65	4.63	8.47	51.13	83.4
2397	33	7.94	571.85	4.86	8.5	52.33	87.8
2437	34	8.24	593.45	5.04	8.49	53.52	86.5
2477	35	8.59	618.65	5.11	8.26	54.56	87.5
2517	36	8.88	639.54	5.3	8.29	55.68	87.1
2552	37	9.28	668.34	5.37	8.03	56.67	85.9
2590	38	9.69	697.86	5.62	8.05	57.76	84.8
2630	39	9.95	716.58	5.63	7.86	58.86	84.1
2668	40	10.21	735.29	5.88	8	59.86	87.2
2702	41	10.59	762.66	6.09	7.99	60.84	88.7
2735	42	11.05	795.78	6.21	7.8	61.7	87.6
2773	43	11.34	816.66	6.27	7.68	62.75	87.2
2805	44	11.8	849.79	6.47	7.61	63.54	87.2
2841	45	12.23	880.73	6.65	7.55	64.43	85.9
2874	46	12.54	903.08	6.78	7.51	65.3	85.4
2911	47	12.79	921.06	6.88	7.47	66.11	85.1
2976	48	13.27	955.61	7.08	7.41	66.86	85.5
3008	49	13.67	984.42	7.31	7.43	67.75	85.1
3039	50	14.16	1019.69	7.4	7.26	68.54	86.8
3071	51	14.54	1047.05	7.65	7.31	69.26	87.3
3099	52	14.82	1067.2	7.71	7.22	69.97	87.5
3138	53	15.38	1107.51	7.91	7.14	70.68	87.7
3166	54	15.59	1122.64	8.16	7.27	71.28	88.5
3199	55	16.28	1172.31	8.27	7.05	71.95	89



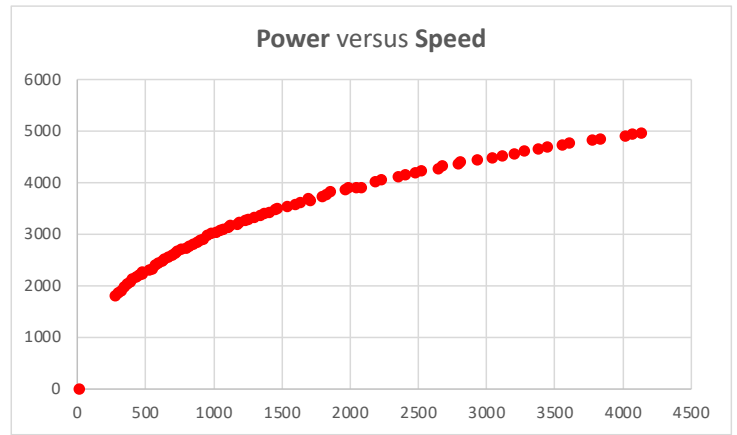
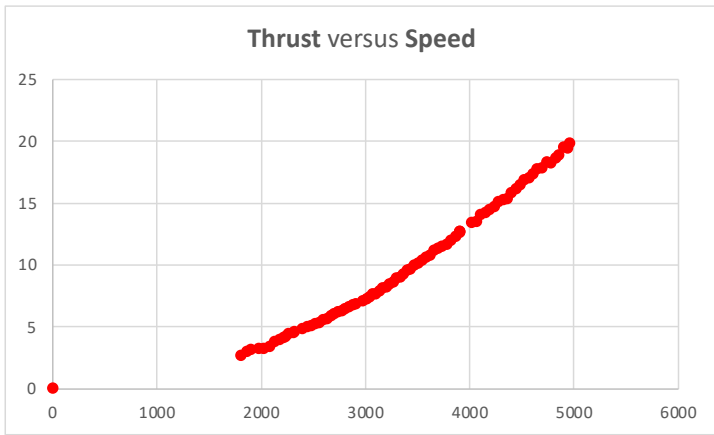
**PM600L THRUST DATA**  
**72V SUPPLY AND 30.5" x 9.7" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
3231	56	16.44	1183.81	8.46	7.15	72.53	103.5
3264	57	17.13	1233.5	8.67	7.03	73.14	92.6
3295	58	17.38	1251.48	8.98	7.18	73.79	91.8
3332	59	18.06	1300.43	9.02	6.94	74.39	91.4
3364	60	18.64	1342.19	9.31	6.94	74.86	90.9
3397	61	18.99	1367.37	9.58	7.01	75.54	86.7
3430	62	19.53	1406.26	9.72	6.91	76.1	103.1
3471	63	20.1	1447.3	9.97	6.89	76.58	90
3508	64	20.34	1464.58	10.2	6.96	77.1	91.1
3545	65	21.4	1540.89	10.44	6.78	77.59	93.8
3577	66	22.21	1599.21	10.61	6.63	78.04	93.5
3620	67	22.73	1636.65	10.84	6.62	78.46	92.2
3656	68	23.72	1707.96	11.17	6.54	78.83	93.7
3694	69	23.53	1694.25	11.33	6.69	79.3	94.2
3728	70	24.94	1795.78	11.55	6.43	79.82	92.1
3777	71	25.33	1823.86	11.71	6.42	80.3	92.9
3819	72	25.78	1856.26	11.99	6.46	80.45	93
3861	73	27.24	1961.42	12.31	6.28	80.77	92.1
3903	74	28.92	2082.38	12.75	6.12	81.15	94.2
3903	75	28.36	2042.03	12.72	6.23	81.66	93.2
3903	76	27.57	1985.15	12.63	6.36	82.02	95.3
4021	77	30.34	2184.6	13.47	6.17	82.47	95.3
4066	78	30.94	2227.8	13.55	6.08	82.69	95.9
4106	79	32.66	2351.65	14.07	5.98	83.02	94.1
4151	80	33.36	2402.05	14.22	5.92	83.42	95.5
4192	81	34.38	2475.5	14.46	5.84	83.94	95.6
4232	82	35.05	2523.74	14.77	5.85	84.34	97.1
4273	83	36.76	2646.87	15.12	5.71	84.8	97.1
4321	84	37.15	2674.95	15.34	5.73	85.12	97.5
4362	85	38.78	2792.32	15.41	5.52	85.5	96.7
4402	86	38.95	2804.56	15.87	5.66	86.06	97.3
4442	87	40.69	2929.84	16.15	5.51	86.49	98.7
4487	88	42.23	3040.69	16.48	5.42	86.97	98
4524	89	43.3	3117.77	16.9	5.42	87.44	98.9
4567	90	44.53	3206.34	17.03	5.31	87.87	99.6
4609	91	45.51	3276.9	17.41	5.31	88.28	100.1
4648	92	46.97	3381.98	17.81	5.27	88.85	102.4

**PM600L THRUST DATA**

**72V SUPPLY AND 30.5" x 9.7" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
4696	93	47.81	3442.51	17.89	5.2	89.29	102.6
4735	94	49.38	3555.56	18.32	5.15	89.84	102.8
4773	95	50.08	3605.96	18.3	5.07	90.44	101.6
4821	96	52.47	3778.1	18.68	4.94	90.96	100.8
4853	97	53.28	3836.43	18.95	4.94	91.59	100.9
4897	98	55.78	4016.33	19.55	4.87	92.26	106.6
4935	99	56.47	4066.12	19.47	4.79	93.2	107.5
4956	100	57.44	4135.97	19.85	4.8	94.07	107.1



**PM600L THRUST DATA**  
**84V SUPPLY AND 30.5" x 9.7" PROPELLER**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Torque Nm	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
0	0	0.22	18.49	0.04	0.03	0	25.1	50
2013	20	4.42	371.47	1.1	3.31	8.91	30.65	81.9
2073	21	4.82	405.09	1.19	3.46	8.54	32.53	82
2140	22	5.11	429.46	1.2	3.9	9.08	34.3	82.3
2195	23	5.5	462.23	1.28	4.19	9.06	36.04	80.6
2248	24	5.83	489.96	1.32	4.26	8.69	37.66	82.9
2310	25	6.23	523.58	1.4	4.45	8.5	39.29	81.6
2342	26	6.48	544.59	1.41	4.67	8.58	40.66	82.9
2412	27	6.9	579.88	1.6	4.81	8.29	42.16	84.3
2458	28	7.25	609.29	1.67	5.09	8.35	43.67	88.2
2503	29	7.73	649.63	1.74	5.27	8.11	45.11	86.6
2563	30	8.04	675.67	1.75	5.36	7.93	46.59	87.5
2614	31	8.47	711.8	1.87	5.7	8.01	48.03	87.9
2656	32	8.84	742.89	1.9	5.8	7.81	49.47	85.3
2687	33	9.31	782.38	1.95	5.93	7.58	50.88	86.3
2737	34	9.66	811.79	2.06	6.3	7.76	52.32	86.7
2787	35	10.05	844.55	2.11	6.29	7.45	53.43	86.3
2821	36	10.45	878.17	2.18	6.52	7.42	54.69	86.9
2865	37	10.91	916.81	2.2	6.74	7.35	55.93	86.3
2901	38	11.4	957.98	2.34	7.06	7.37	57.21	86
2944	39	11.74	986.55	2.4	7.2	7.3	58.48	85.7
2985	40	12.26	1030.23	2.43	7.43	7.21	59.65	85.4
3027	41	12.62	1060.47	2.5	7.58	7.15	60.85	87
3077	42	13.12	1102.49	2.57	7.76	7.04	62.09	87.9
3110	43	13.73	1153.75	2.68	8.01	6.94	63.39	87.6
3161	44	13.97	1173.9	2.75	8.27	7.04	64.59	87.2
3193	45	14.76	1240.27	2.83	8.64	6.97	65.49	88.1
3230	46	15.04	1263.8	2.86	8.66	6.85	66.65	103.9
3267	47	15.49	1301.59	2.93	8.98	6.9	67.81	92.1
3306	48	15.9	1336.06	2.97	9.23	6.91	68.78	91.5
3345	49	16.75	1407.44	3.06	9.43	6.7	69.7	92
3381	50	17.05	1432.64	3.11	9.56	6.67	70.73	90.3
3426	51	17.58	1477.18	3.15	9.8	6.63	71.74	90
3472	52	18.01	1513.29	3.28	9.75	6.44	72.71	90.8
3512	53	18.58	1561.15	3.36	10.41	6.67	73.91	92

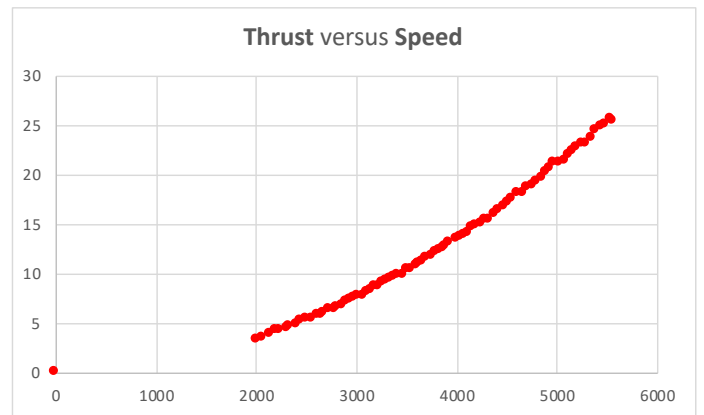
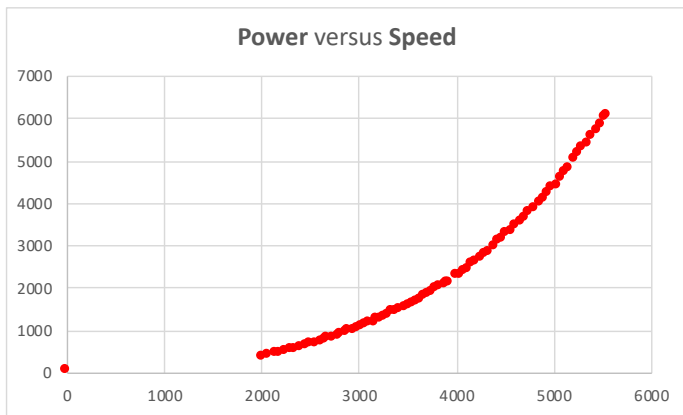
**PM600L THRUST DATA**
**84V SUPPLY AND 30.5" x 9.7" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Torque Nm	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
3549	54	19.22	1614.92	3.37	10.3	6.38	74.76	94.9
3602	55	19.79	1662.78	3.5	10.83	6.51	75.39	94.7
3633	56	20.4	1714.05	3.53	10.97	6.4	76.05	94
3670	57	21.12	1774.48	3.6	11.19	6.31	76.5	94.1
3712	58	21.74	1826.57	3.72	11.58	6.34	77.12	93.1
3754	59	22.47	1887.88	3.75	11.75	6.22	77.73	92.1
3794	60	23.35	1961.82	3.75	12.04	6.14	78.32	94.6
3835	61	23.77	1997.08	3.87	12.29	6.15	78.89	95
3881	62	24.58	2065.09	3.97	12.42	6.01	79.52	93.1
3924	63	25.2	2117.13	4.13	13.15	6.21	80.18	93.8
3903	64	25.05	2104.55	3.99	12.72	6.04	80.57	94.8
4001	65	27.13	2279.27	4.22	13.39	5.87	81.16	95.7
4052	66	27.45	2306.13	4.36	13.67	5.93	81.78	94.5
4088	67	28.05	2356.51	4.46	13.79	5.85	82.42	95.2
4126	68	28.98	2434.58	4.56	14.11	5.8	82.77	95.7
4165	69	30.17	2534.52	4.76	14.64	5.78	83.15	94.2
4204	70	30.8	2587.45	4.76	14.81	5.72	83.87	95.6
4254	71	31.8	2671.39	4.89	15.06	5.64	84.55	96.2
4294	72	32.98	2770.52	4.96	15.39	5.55	84.98	97
4337	73	33.61	2823.44	5.08	15.39	5.45	85.28	96.1
4390	74	35.43	2976.33	5.28	16.02	5.38	85.76	95.8
4434	75	36.67	3080.46	5.34	16.33	5.3	86.55	98
4479	76	37.46	3146.83	5.48	16.68	5.3	87.37	97.6
4521	77	39.01	3277.04	5.61	17.1	5.22	87.96	97.6
4568	78	39.4	3309.8	5.75	17.44	5.27	88.38	99
4615	79	40.84	3430.81	5.83	18.04	5.26	89.06	101.6
4671	80	42.26	3550.05	5.95	18	5.07	89.5	101.6
4713	81	43.41	3646.66	6.14	18.67	5.12	90.41	102.6
4760	82	44.79	3762.63	6.26	18.75	4.98	91.08	101.9
4811	83	45.89	3855.04	6.37	19.19	4.98	91.93	101.4
4863	84	47.34	3976.8	6.56	19.57	4.92	92.79	100.8
4903	85	48.79	4098.6	6.72	20.14	4.91	93.68	99.8
4944	86	50.1	4208.65	6.81	20.55	4.88	94.65	103.6
4982	87	51.65	4338.86	7.11	21.11	4.87	95.68	104.2
5037	88	52.38	4400.18	7.12	21.07	4.79	96.95	105.2

**PM600L THRUST DATA**

**84V SUPPLY AND 30.5" x 9.7" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Torque Nm	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
5082	89	54.3	4561.47	7.17	21.44	4.7	97.48	106.4
5128	90	55.92	4697.56	7.29	21.96	4.67	98.61	122.5
5171	91	57.33	4816.01	7.4	22.23	4.62	99.59	110.1
5214	92	59.71	5015.94	7.56	22.71	4.53	100.59	106.2
5255	93	61.2	5141.11	7.74	23.07	4.49	101.45	108.3
5295	94	62.97	5289.79	7.87	23.11	4.37	102.12	109.1
5350	95	64.25	5397.32	7.96	23.62	4.38	103.14	109.1
5401	96	66.36	5574.57	8.18	24.36	4.37	104.37	123
5445	97	67.81	5696.31	8.35	24.86	4.36	105.9	111.1
5492	98	69.53	5840.87	8.52	25.06	4.29	107.36	107
5539	99	71.64	6018.12	8.78	25.52	4.24	109.22	107.8
5558	100	71.94	6043.32	8.91	25.39	4.2	110.78	107.9



**PM600L THRUST DATA**  
**96V SUPPLY AND 30.5" x 9.7" PROPELLER**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
0	0.24	96.05	23.05	0.03	0	24.85	48
2221	5.06	96.05	485.99	4.25	8.75	31.09	83.2
2305	5.41	96.05	519.61	4.55	8.76	33.44	85.5
2358	5.84	96.05	560.9	4.83	8.61	35.79	86.7
2414	6.21	96.05	596.44	5.01	8.4	38.08	86.9
2476	6.59	96.05	632.94	5.26	8.31	40.21	86.2
2540	7.07	96.04	679.03	5.37	7.91	42.37	84.2
2601	7.49	96.04	719.36	5.72	7.95	44.4	85.9
2652	7.82	96.04	751.06	5.89	7.84	46.45	87.1
2702	8.26	96.04	793.31	6.09	7.68	48.39	86.8
2759	8.65	96.04	830.75	6.28	7.56	50.39	85.1
2819	9.13	96.04	876.85	6.63	7.56	52.38	85.3
2867	9.67	96.04	928.71	6.84	7.37	54.24	85.9
2925	10.43	96.04	1001.7	7.03	7.02	57.8	86
2966	10.49	96.04	1007.45	7.3	7.25	59.36	86.2
3022	11.05	96.04	1061.22	7.53	7.1	60.96	86.6
3069	11.51	96.04	1105.39	7.86	7.11	62.5	88.4
3122	12	96.04	1152.43	8	6.94	63.84	88.7
3164	12.51	96.04	1201.41	8.11	6.75	65.08	89.6
3220	13.21	96.03	1268.62	8.43	6.65	66.45	103.6
3262	13.5	96.03	1296.46	8.56	6.6	67.93	92.7
3309	14.04	96.03	1348.32	8.72	6.47	69.14	86.3
3362	14.61	96.03	1403.04	9.01	6.42	70.51	89.1
3399	15.1	96.03	1450.1	9.59	6.61	71.99	103.2
3437	15.81	96.03	1518.25	9.99	6.58	73.21	91.8
3476	16.34	96.03	1569.15	10.14	6.46	74.49	92.4
3530	16.94	96.03	1626.73	10.35	6.36	75.85	93.8
3579	17.53	96.03	1683.39	10.72	6.37	77.14	93.8
3621	18.18	96.03	1745.79	11.03	6.32	78.48	93.8
3660	18.72	96.03	1797.63	11.28	6.27	79.85	94.1
3709	19.33	96.03	1856.18	11.5	6.2	80.95	91.5
3764	19.97	96.03	1917.64	11.54	6.02	81.8	90.9
3806	20.55	96.02	1973.29	12.2	6.18	82.79	93.6
3847	21.4	96.02	2054.89	12.4	6.03	83.62	93.9
3903	22.27	96.02	2138.41	12.93	6.05	84.48	93.4
3903	21.81	96.03	2094.33	12.84	6.13	85.49	94.9

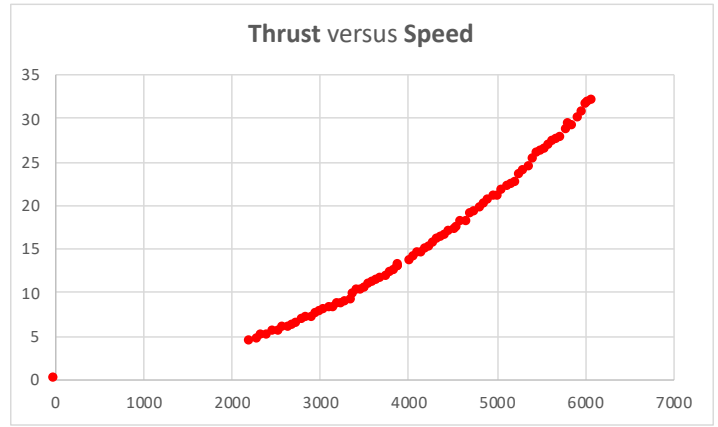
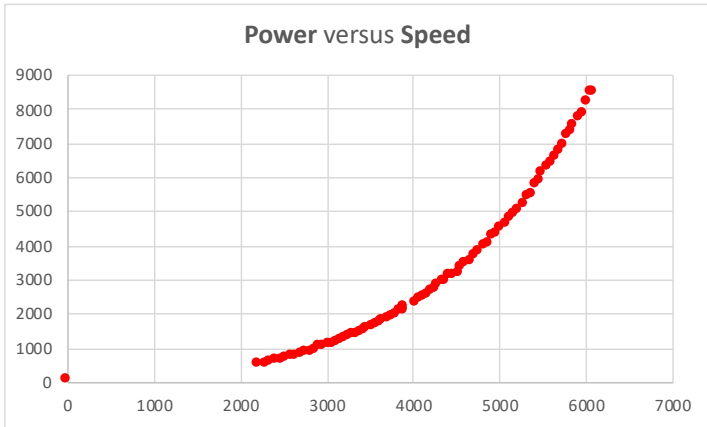
**PM600L THRUST DATA**  
**96V SUPPLY AND 30.5" x 9.7" PROPELLER**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
4031	24.05	96.02	2309.28	13.55	5.87	87.42	95.2
4081	24.96	96.02	2396.63	14	5.84	88.36	95.1
4125	25.91	96.02	2487.85	14.35	5.77	89.32	95.6
4174	26.6	96.02	2554.05	14.39	5.63	90.04	95.6
4217	27.47	96.02	2637.56	14.75	5.59	90.94	95.6
4257	28.37	96.01	2723.92	15.02	5.51	91.8	97.3
4298	29.51	96.01	2833.37	15.41	5.44	92.64	96.6
4348	30.52	96.01	2930.29	15.82	5.4	93.53	97.2
4390	30.66	96.01	2943.73	16.07	5.46	94.3	97.3
4435	32.51	96.01	3121.35	16.26	5.21	96.08	96.4
4481	32.59	96.01	3129	16.91	5.4	96.55	97.7
4534	32.85	96.01	3153.93	17.07	5.41	97.34	97.8
4569	34.65	96.01	3326.78	17.22	5.18	98.13	99.6
4612	36.27	96.01	3482.32	17.87	5.13	98.61	102.2
4669	36.9	96.01	3542.77	17.99	5.08	100.26	102.3
4718	38.27	96.01	3674.3	18.81	5.12	101.47	101.2
4772	39.84	96.01	3825.08	19.07	4.99	102.47	101.8
4826	41.35	96.01	3970.01	19.55	4.92	103.32	101.3
4877	41.75	96.01	4008.46	20.05	5	104.09	102.9
4929	44.32	96.01	4255.16	20.4	4.79	105.17	102.3
4978	45.21	96.01	4340.61	20.78	4.79	106.32	99.9
5029	46.54	96.01	4468.35	20.88	4.67	106.94	100.1
5083	47.87	96.01	4596.05	21.49	4.68	107.68	103.1
5131	49.72	96.01	4773.67	21.97	4.6	108.71	104.1
5187	50.97	96.01	4893.68	22.23	4.54	109.26	105.8
5230	52.21	96.01	5012.73	22.47	4.48	110.23	108.1
5281	54.08	96.01	5192.27	23.24	4.48	111.23	109.6
5329	56.22	96.01	5397.74	23.73	4.4	112.33	108.1
5390	57.34	96.01	5505.21	24.14	4.38	113.36	108.3
5438	59.85	96.01	5746.26	25.21	4.39	114.71	123.4
5467	61.07	96.01	5863.33	25.71	4.38	116.54	106.7
5508	63.87	96.01	6132.16	26.01	4.24	118.67	108.3
5560	65.27	96.01	6266.64	26.29	4.2	120.27	107.2
5605	66.46	96.01	6380.82	26.73	4.19	121.49	106.4
5659	68.41	96.01	6568.04	27.11	4.13	122.41	106
5700	70.15	96.01	6735.03	27.43	4.07	123.56	107.2

**PM600L THRUST DATA**

**96V SUPPLY AND 30.5" x 9.7" PROPELLER (CONTINUED)**

Motor Speed	Duty Cycle	Supply Current	Electrical Power	Thrust	Thrust Efficiency	Motor Temperature	dB at 2m, 45° to prop plane
RPM	%	Amps	Watts	kgf	gf/W	°C	dB
5748	72.36	96.01	6947.07	27.69	3.99	124.68	108.5
5797	75.04	96.01	7204.29	28.61	3.97	126.04	109.4
5828	76.42	96	7336.7	29.27	3.99	127.5	109.2
5872	77.87	95.99	7474.82	28.98	3.88	129.8	122.3
5937	80.48	95.96	7723.02	29.8	3.86	131.9	104.3
5984	81.85	95.95	7853.92	30.61	3.9	134.17	106.2
6020	85.22	95.95	8176.86	31.49	3.85	136.51	105.7
6056	88.17	95.94	8459.21	31.7	3.75	139.08	106.8
6090	88.5	95.94	8490.69	31.79	3.74	140.53	106.9





**PM600L THRUST DATA**  
**60V SUPPLY AND 40" x 13" PROPELLER**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
0	0	0.21	13	0.02	0.00	24.6	50
1061	20	3.93	236	2.96	12.54	27.4	84
1102	21	4.42	265	3.18	11.98	29.2	87
1136	22	4.58	275	3.41	12.40	30.9	87
1171	23	4.93	296	3.55	11.99	32.5	86
1207	24	5.37	322	3.83	11.88	34.2	86
1244	25	5.73	344	3.98	11.57	35.9	87
1280	26	6.19	372	4.25	11.44	37.5	87
1315	27	6.32	379	4.59	12.10	39.1	87
1352	28	7.08	425	4.82	11.34	40.8	90
1385	29	7.67	460	5.10	11.08	42.4	90
1422	30	7.73	464	5.35	11.53	44.0	86
1456	31	8.82	529	5.60	10.58	45.6	89
1492	32	9.05	543	5.88	10.82	47.2	90
1528	33	9.94	597	6.16	10.32	48.7	89
1566	34	10.14	609	6.53	10.73	50.3	89
1600	35	11.18	671	6.85	10.21	51.8	89
1636	36	11.66	700	7.06	10.09	53.4	89
1671	37	12.49	750	7.37	9.83	55.0	89
1706	38	13.00	780	7.63	9.78	56.4	90
1738	39	13.84	831	8.01	9.64	57.9	90
1773	40	14.36	862	8.29	9.62	59.4	91
1803	41	15.44	927	8.83	9.53	60.8	95
1838	42	16.46	988	8.97	9.08	62.4	97
1869	43	16.48	989	9.22	9.32	63.8	97
1899	44	17.52	1052	9.78	9.30	65.4	97
1931	45	19.00	1140	10.07	8.83	67.0	97
1951	46	19.38	1163	10.18	8.75	68.4	97
2002	47	20.22	1214	10.51	8.66	69.7	95
2033	48	21.17	1270	10.99	8.65	71.2	94
2066	49	22.60	1356	11.42	8.42	72.7	94
2103	50	23.53	1412	11.88	8.41	74.4	93
2130	51	24.70	1482	12.13	8.18	76.1	94
2163	52	25.59	1536	12.40	8.08	77.5	95
2195	53	26.72	1603	12.88	8.03	78.8	94
2224	54	27.69	1662	13.26	7.98	80.6	95
2259	55	28.95	1737	13.51	7.78	82.0	95

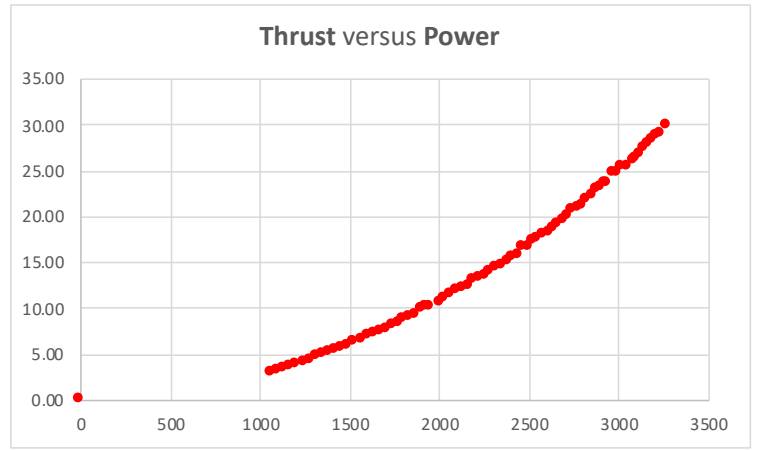
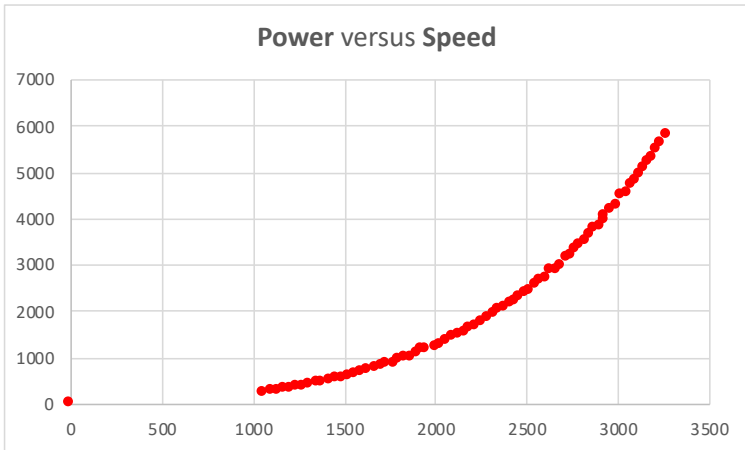
**PM600L THRUST DATA**
**60V SUPPLY AND 40" x 13" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
2287	56	30.64	1839	13.88	7.55	83.6	95
2321	57	31.90	1914	14.40	7.52	85.5	96
2351	58	33.45	2007	14.67	7.31	87.1	95
2384	59	34.59	2076	14.95	7.20	88.8	97
2415	60	35.51	2131	15.52	7.28	90.4	95
2440	61	36.60	2196	15.72	7.16	92.3	94
2467	62	38.31	2299	16.49	7.17	94.4	94
2498	63	39.36	2362	16.59	7.02	96.5	95
2520	64	40.61	2437	17.16	7.04	98.5	94
2552	65	42.29	2538	17.41	6.86	100.9	96
2581	66	43.74	2625	17.96	6.84	102.4	96
2611	67	45.09	2706	18.21	6.73	104.2	96
2637	68	47.55	2853	18.60	6.52	106.1	98
2666	69	47.66	2860	18.97	6.63	107.8	96
2694	70	49.47	2968	19.50	6.57	110.2	96
2720	71	52.03	3122	20.02	6.41	112.6	97
2747	72	53.01	3181	20.62	6.48	115.1	97
2772	73	55.64	3339	20.85	6.24	117.6	99
2797	74	57.01	3421	21.15	6.18	119.7	96
2828	75	58.08	3485	21.65	6.21	121.7	98
2854	76	60.01	3637	22.31	6.13	124.2	98
2878	77	62.43	3746	22.91	6.12	127.4	99
2904	78	63.75	3825	23.02	6.02	129.4	98
2934	79	66.03	3962	23.48	5.93	132.5	98
2927	80	67.57	4054	23.55	5.81	134.6	100
2970	81	69.80	4188	24.77	5.91	137.5	99
2998	82	71.11	4266	24.74	5.80	140.9	98
3022	83	74.61	4476	25.42	5.68	143.7	98
3055	84	75.80	4547	25.28	5.56	146.0	98
3083	85	78.43	4703	26.13	5.56	149.6	101
3098	86	80.27	4813	26.16	5.44	152.9	101
3022	83	74.61	4476	25.42	5.68	143.7	98
3055	84	75.80	4547	25.28	5.56	146.0	98
3083	85	78.43	4703	26.13	5.56	149.6	101
3098	86	80.27	4813	26.16	5.44	152.9	101

**PM600L THRUST DATA**

**60V SUPPLY AND 40" x 13" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
3120	87	82.21	4928	26.79	5.44	156.2	99
3148	88	84.85	5086	27.48	5.40	159.6	102
3172	89	86.77	5201	27.90	5.36	162.9	101
3195	90	88.45	5301	28.36	5.35	166.3	101
3217	91	91.26	5469	28.75	5.26	169.6	101
3238	92	93.53	5605	28.90	5.16	173.6	101
3268	93	96.85	5803	29.74	5.12	177.7	101
Final run at 100% carried out separately due to temperature limits							Advance 30 deg
3522	100	118.17	7075	32.76	4.63	147.1	104

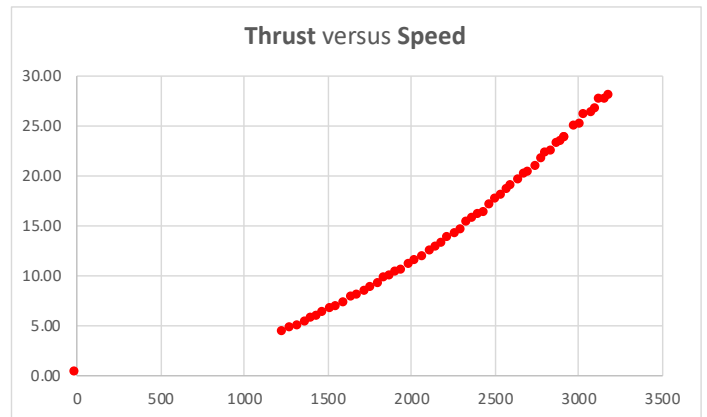
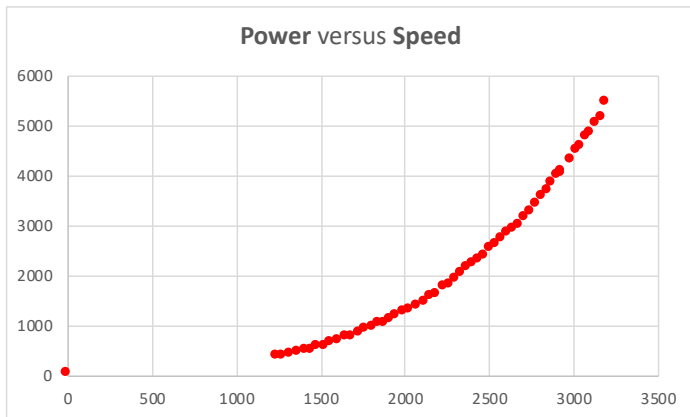


**PM600L THRUST DATA**  
**72V SUPPLY AND 40" x 13" PROPELLER**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
0	0	0.21	15	0.10	0.00	24.8	50
1238	20	5.01	361	4.20	11.64	28.8	84
1282	21	5.28	380	4.64	12.20	31.1	84
1326	22	5.79	417	4.78	11.46	33.4	83
1373	23	6.18	445	5.14	11.55	35.6	83
1409	24	6.59	475	5.55	11.69	37.8	83
1444	25	7.09	511	5.82	11.40	39.9	82
1482	26	7.76	559	6.09	10.90	42.2	82
1525	27	8.13	586	6.56	11.20	44.3	84
1563	28	8.92	642	6.80	10.58	46.6	84
1606	29	9.45	681	7.16	10.52	48.7	83
1648	30	10.41	750	7.68	10.24	50.8	84
1690	31	10.85	781	7.92	10.14	52.8	85
1729	32	11.48	827	8.33	10.07	55.0	86
1767	33	12.48	899	8.68	9.66	56.9	85
1808	34	13.08	942	9.04	9.60	59.0	86
1843	35	14.12	1017	9.50	9.34	61.0	86
1881	36	14.59	1051	9.74	9.27	63.0	87
1916	37	15.49	1116	10.18	9.13	65.0	87
1951	38	16.24	1170	10.46	8.94	67.2	87
1993	39	17.36	1250	10.87	8.69	69.2	90
2033	40	18.08	1302	11.30	8.68	70.8	89
2078	41	19.37	1395	11.77	8.44	73.0	89
2119	42	20.36	1466	12.26	8.36	75.3	90
2153	43	21.67	1560	12.72	8.15	77.7	89
2195	44	22.52	1622	13.09	8.07	80.1	89
2231	45	24.26	1747	13.55	7.76	81.8	88
2268	46	25.06	1805	14.05	7.79	84.1	90
2307	47	26.73	1925	14.35	7.46	86.3	90
2342	48	28.00	2016	15.18	7.53	88.8	91
2371	49	29.69	2138	15.62	7.31	91.4	91
2409	50	30.75	2214	16.04	7.24	94.0	96
2443	51	32.19	2318	16.16	6.97	96.3	99
2478	52	33.29	2397	16.87	7.04	98.5	97
2514	53	35.28	2540	17.41	6.85	101.9	98

**PM600L THRUST DATA**  
**72V SUPPLY AND 40" x 13" PROPELLER (CONTINUED)**

Motor Speed RPM	Duty Cycle %	Supply Current Amps	Electrical Power Watts	Thrust kgf	Thrust Efficiency gf/W	Motor Temperature °C	dB at 2m, 45° to prop plane dB
2544	54	36.14	2602	17.92	6.89	104.4	97
2577	55	38.11	2744	18.38	6.70	106.8	95
2610	56	39.28	2828	18.88	6.68	110.2	94
2648	57	40.57	2921	19.39	6.64	113.2	97
2681	58	41.76	3007	19.91	6.62	116.3	95
2713	59	43.94	3164	20.17	6.37	119.3	96
2751	60	45.44	3272	20.74	6.34	122.4	100
2785	61	47.60	3427	21.56	6.29	125.2	98
2814	62	49.88	3592	22.07	6.14	128.5	98
2849	63	51.08	3678	22.30	6.06	131.4	100
2876	64	53.53	3854	23.11	6.00	135.1	99
2903	65	55.36	3986	23.30	5.85	138.8	100
2927	66	55.93	4027	23.74	5.89	142.0	99
2927	67	56.67	4081	23.74	5.82	145.4	98
2986	68	59.74	4302	24.91	5.79	149.2	99
3019	69	62.24	4481	25.06	5.59	153.0	99
3046	70	63.71	4587	25.96	5.66	156.8	99
3082	71	66.26	4770	26.12	5.48	160.9	98
3106	72	67.41	4853	26.62	5.49	164.9	100
3136	73	70.05	5043	27.51	5.46	168.9	100
3166	74	71.99	5150	27.49	5.34	173.1	102
3193	75	75.73	5450	27.92	5.12	176.7	102
Final run at 100% carried out separately due to temperature limits							Advance 30 deg
3949	100	148.58	10661	41.98	3.94	169.8	107





### Assembled in USA

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