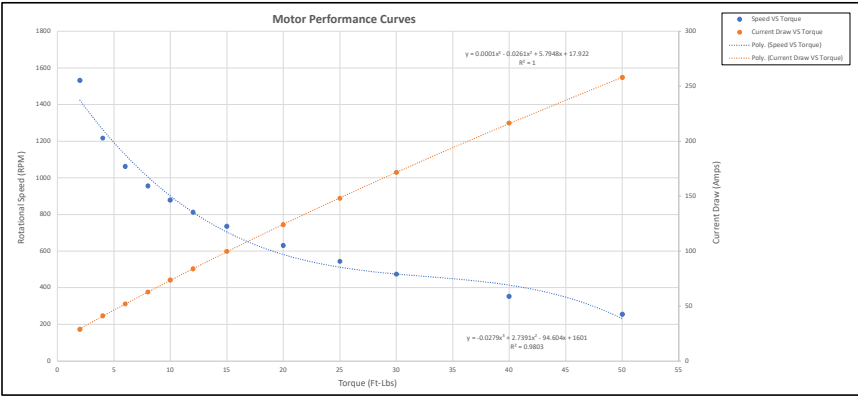
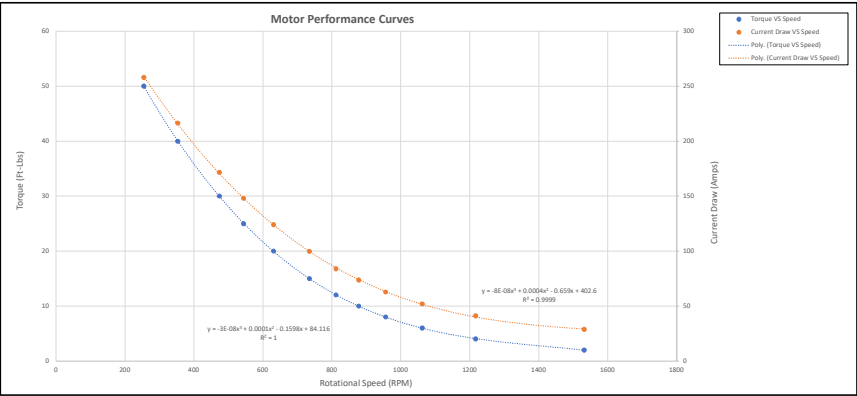
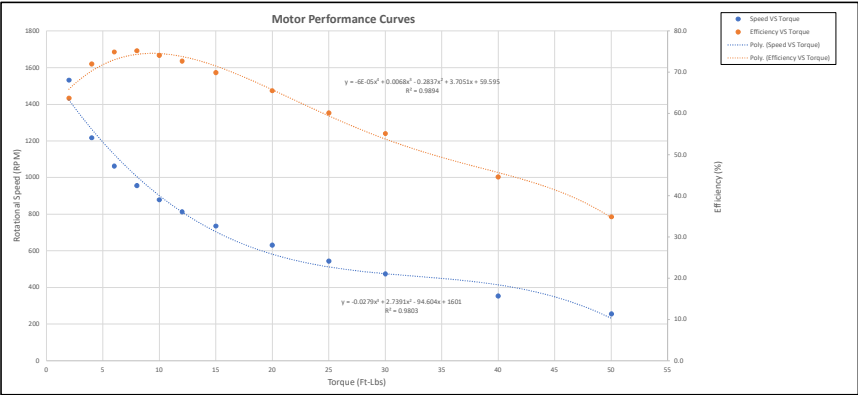
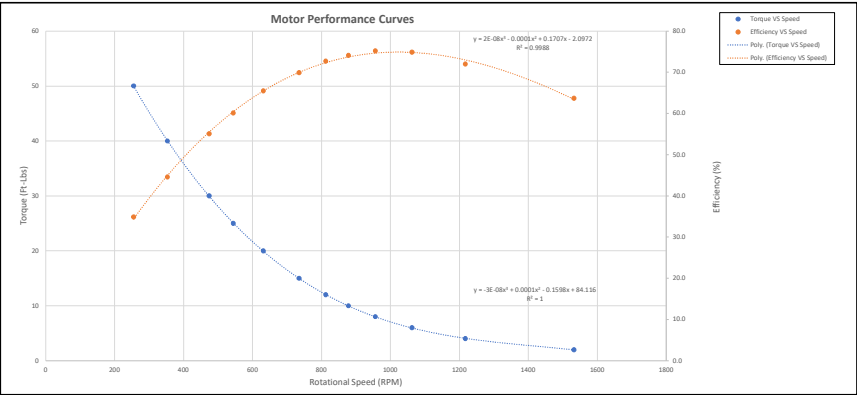


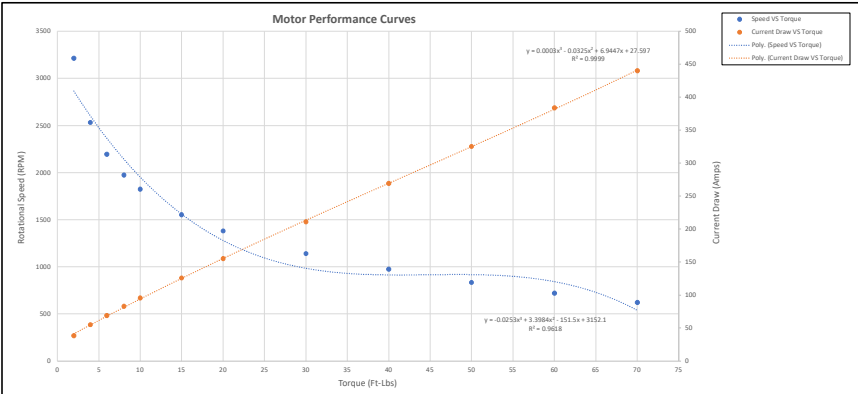
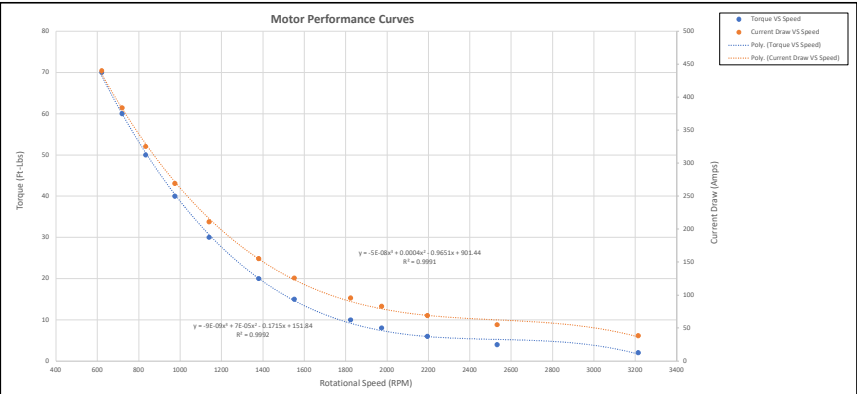
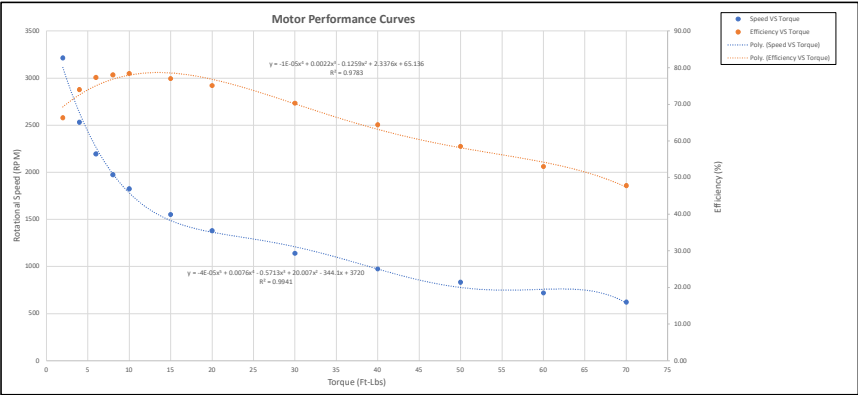
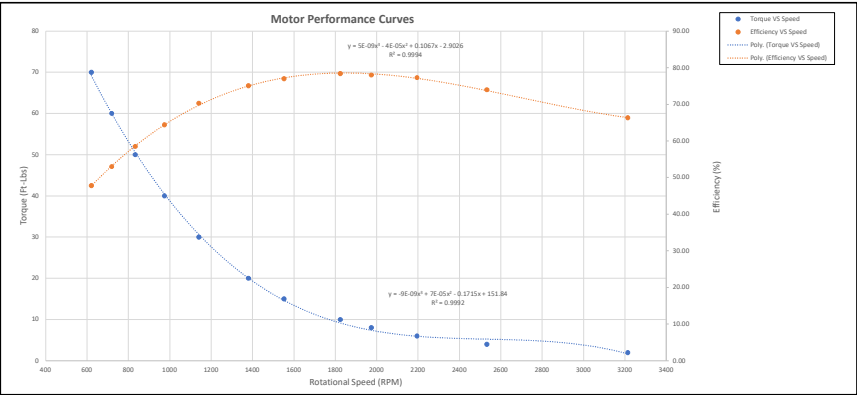
Engineering Performance Test Report
Performance Spec (PS) Number: 6
System Voltage [V]: 24 - (V * 0.015)

Torque (Ft-Lbs)	Speed (RPM)	Applied Voltage (Volts)	Armature Current (Amper)	Field Voltage (Volts)	Field Current (Amper)	Total Current (Amper)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
1.99	1532	23.6	28.8	0	0	28.8	0.91	0.58	63.7
4.01	1217	23.4	41.1	0	0	41.1	1.29	0.93	72.0
6	1062	23.3	51.9	0	0	51.9	1.62	1.21	74.8
8.01	956	23	62.8	0	0	62.8	1.94	1.46	75.2
9.99	878	22.9	73.6	0	0	73.6	2.26	1.67	74.1
12.01	812	22.7	83.9	0	0	83.9	2.56	1.86	72.7
15	735	22.5	99.7	0	0	99.7	3.01	2.1	69.9
19.99	631	22.1	124	0	0	124	3.67	2.4	65.5
25	544	21.7	148	0	0	148	4.31	2.59	60.1
30.01	474	21.4	171.6	0	0	171.6	4.92	2.71	55.1
39.99	353	20.8	216.5	0	0	216.5	6.02	2.69	44.6
50.02	255	20.1	258	0	0	258	6.95	2.43	34.9



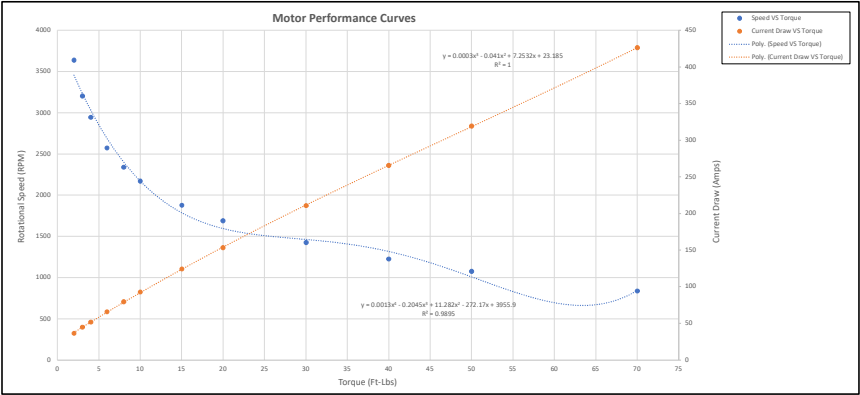
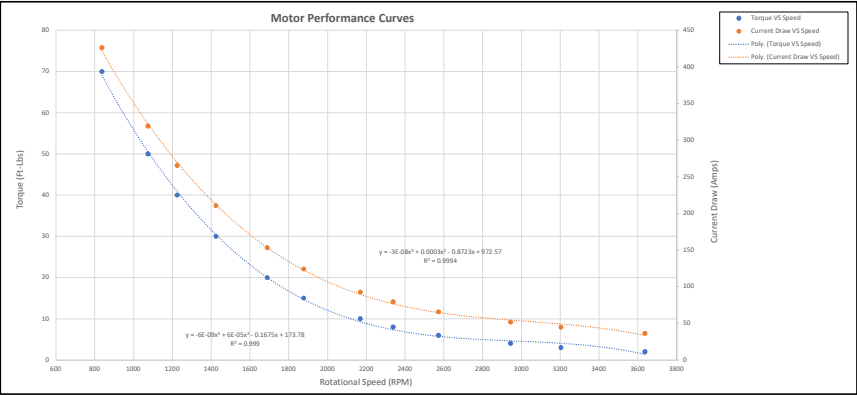
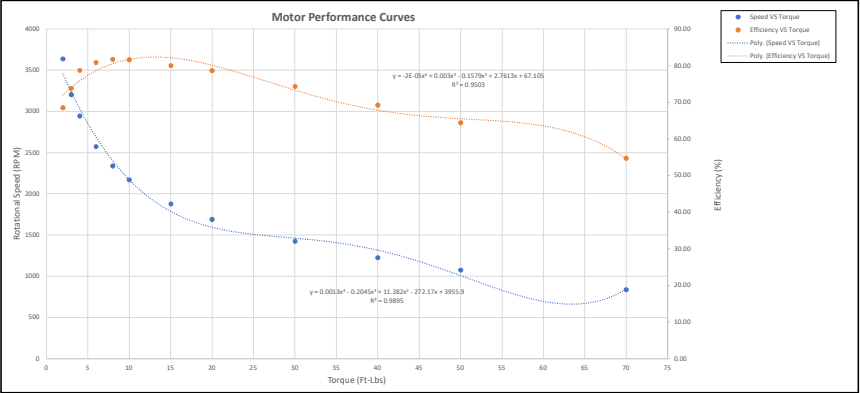
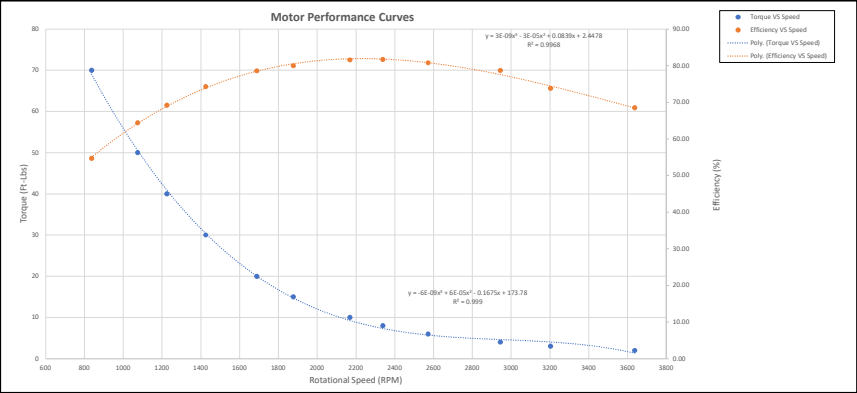
Engineering Performance Test Report
Performance Spec (PS) Number: 6
System Voltage (V): 36 - (V * 0.015)

Torque (Ft-Lbs)	Speed (RPM)	Applied Voltage (Volts)	Armature Current (Amper)	Field Voltage (Volts)	Field Current (Amper)	Total Current (Amper)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
1.98	3214	35.5	38.4	0	0	38.4	1.83	1.21	66.30
3.98	2532	35.2	55	0	0	55	1.92	1.00	74.00
5.97	2195	35	68.9	0	0	68.9	3.23	2.5	77.30
8.03	1974	34.8	82.9	0	0	82.9	3.87	3.02	78.00
9.99	1824	34.6	95.4	0	0	95.4	4.43	3.47	78.40
14.99	1552	34.1	125.9	0	0	125.9	5.75	4.43	77.00
20	1380	33.6	155.1	0	0	155.1	6.99	5.25	75.10
30	1140	32.7	211	0	0	211	9.26	6.51	70.30
39.99	974	31.9	269.3	0	0	269.3	11.52	7.43	64.40
49.99	833	31.1	325.4	0	0	325.4	13.55	7.99	58.50
60.01	719	30.2	383.8	0	0	383.8	15.51	8.22	53.00
70.01	621	29.4	440.2	0	0	440.2	17.33	8.28	47.80



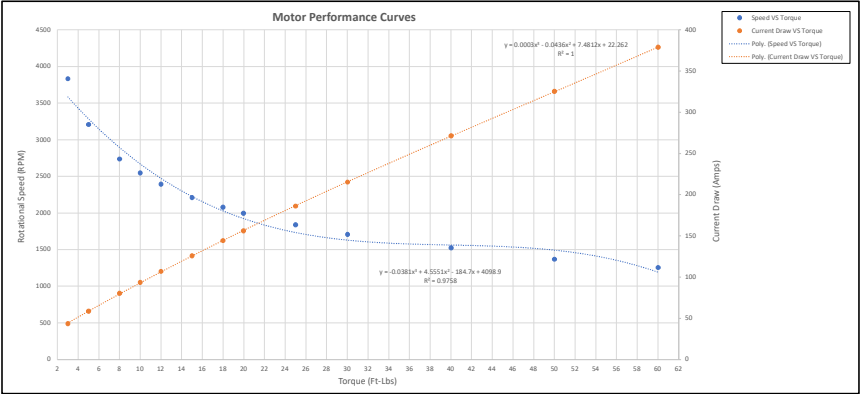
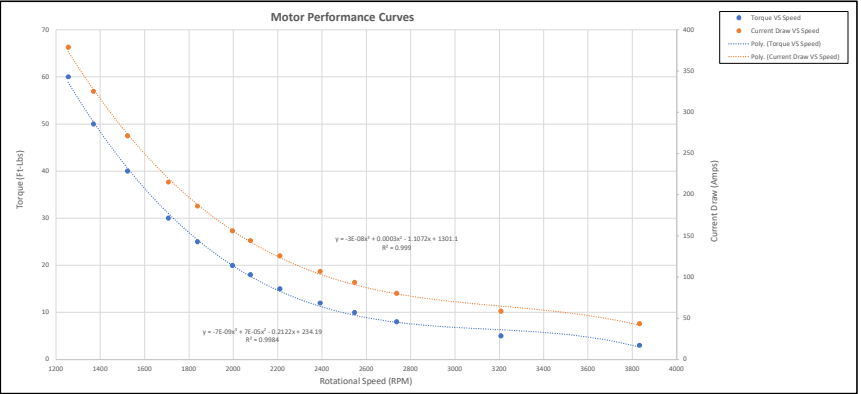
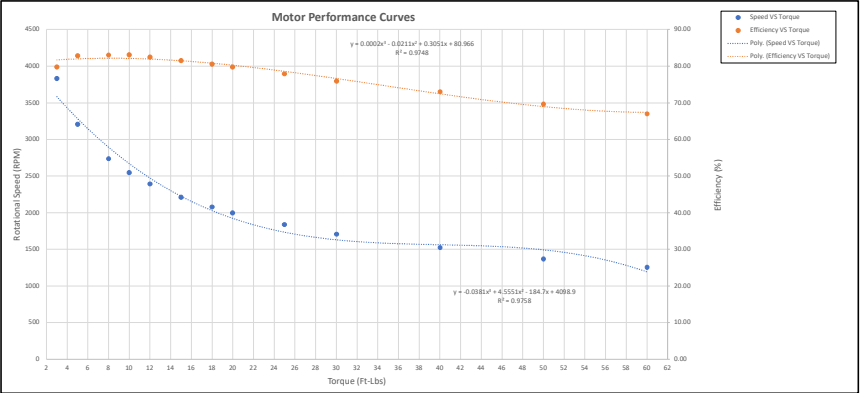
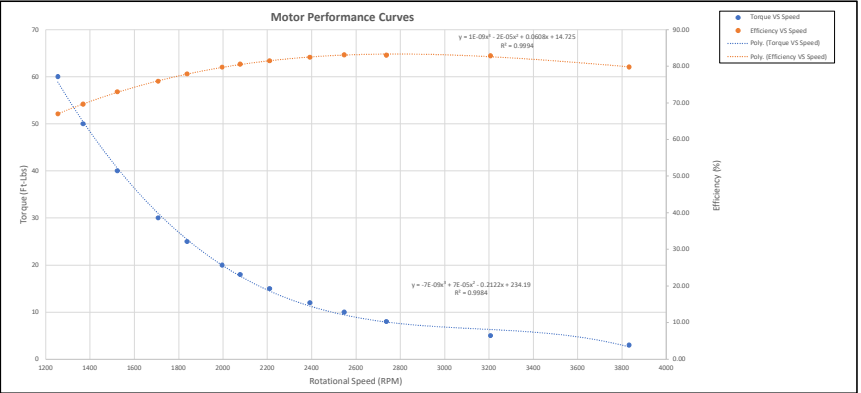
Engineering Performance Test Report
Performance Spec (PS) Number: 6
System Voltage [V]: 42 - (1 * 0.015)

Torque (Ft-Lbs)	Speed (RPM)	Applied Voltage (Volts)	Armature Current (Amper)	Field Voltage (Volts)	Field Current (Amper)	Total Current (Amper)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
2	3637	41.6	36.3	0	0	36.3	2.03	1.39	68.50
3.01	3203	41.5	44.2	0	0	44.7	2.49	1.84	73.80
4.03	2944	41.4	51.7	0	0	51.7	2.87	2.26	78.70
5.98	2572	41.2	65.7	0	0	65.7	3.63	2.93	80.80
8	2338	41	79.4	0	0	79.4	4.36	3.56	81.70
10	2169	40.7	92.7	0	0	92.7	5.06	4.13	81.60
15.02	1877	40.3	124.2	0	0	124.2	6.71	5.37	80.00
19.99	1689	39.8	153.3	0	0	153.3	8.18	6.43	78.60
30.02	1425	38.8	210.7	0	0	210.7	10.97	8.14	74.30
40	1225	37.9	265.6	0	0	265.6	13.48	9.33	69.20
50.01	1074	37.1	319.3	0	0	319.3	15.88	10.22	64.40
70	837	35.7	426.2	0	0	426.2	20.4	11.15	54.70



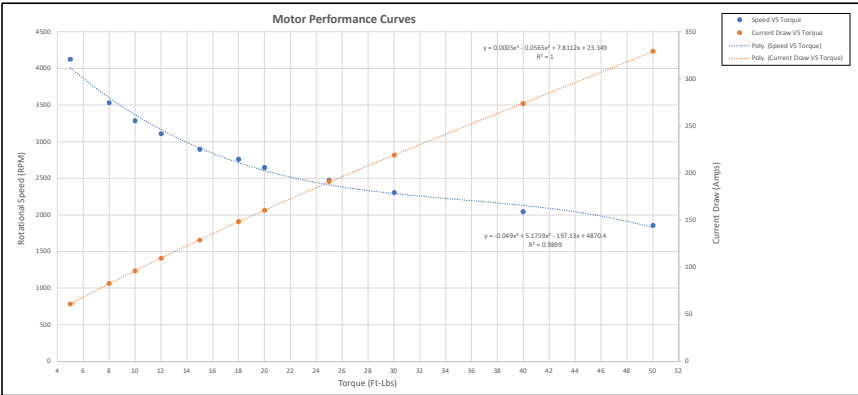
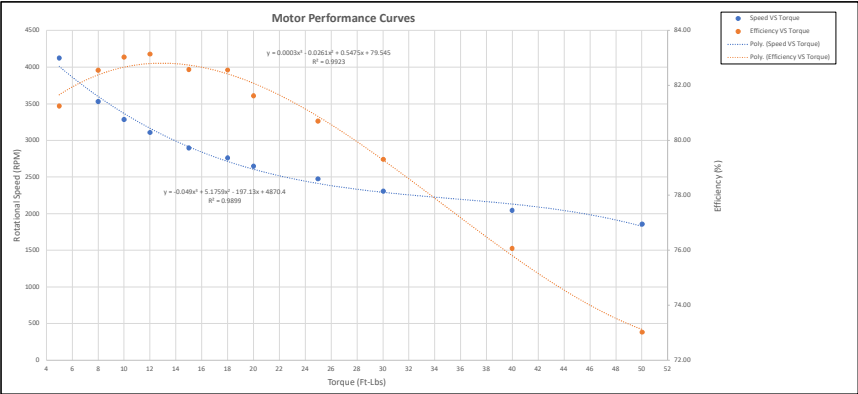
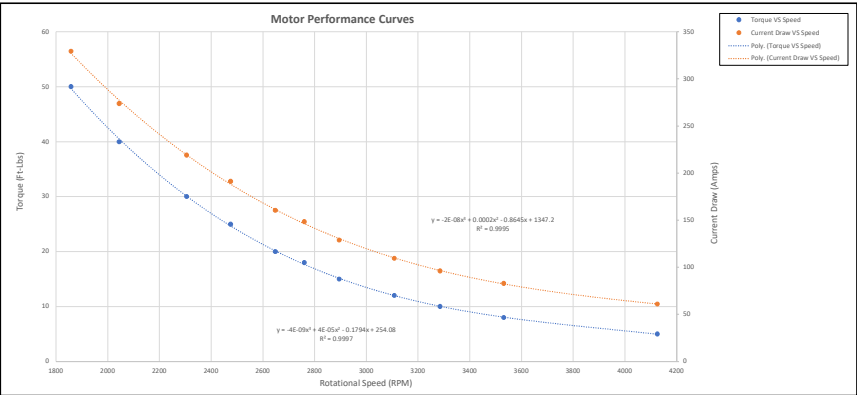
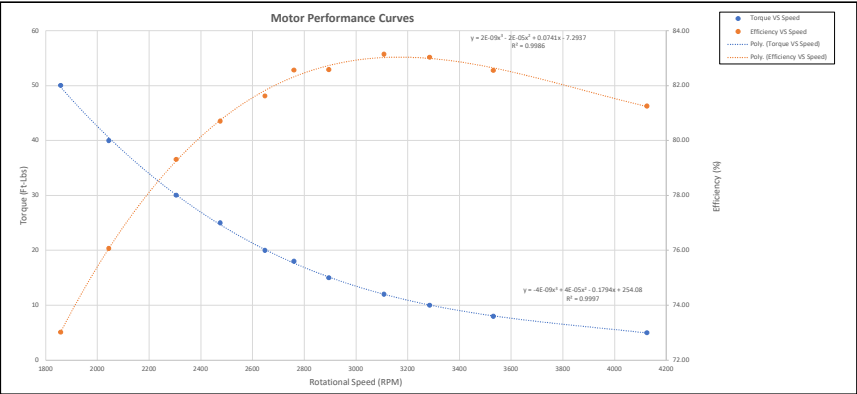
Engineering Performance Test Report
Performance Spec (PS) Number: 6
System Voltage [V]: 48 - (V ± 0.015)

Torque (Ft-Lbs)	Speed (RPM)	Applied Voltage (Volts)	Armature Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
3.01	3832	47.22	43.4	0	0	43.4	2.75	2.19	79.80
5.01	3207	46.99	58.6	0	0	58.6	3.69	3.06	82.94
8	2737	46.67	80.3	0	0	80.3	5.02	4.17	83.04
9.99	2547	46.46	93.6	0	0	93.6	5.83	4.85	83.10
12	2392	46.25	106.9	0	0	106.9	6.63	5.47	82.46
15	2120	45.96	125.8	0	0	125.8	7.75	6.31	81.48
17.99	2077	45.67	144.3	0	0	144.3	8.83	7.12	80.58
19.97	1996	45.48	156.1	0	0	156.1	9.52	7.59	79.76
24.99	1838	45.01	186.1	0	0	186.1	11.23	8.79	77.89
30.02	1707	44.56	215.2	0	0	215.2	12.86	9.76	75.91
40.02	1523	43.7	271.4	0	0	271.4	15.9	11.61	73.01
50	1369	42.91	325.4	0	0	325.4	18.71	13.09	69.63
60.01	1255	42.16	378.8	0	0	378.8	21.41	14.34	66.98



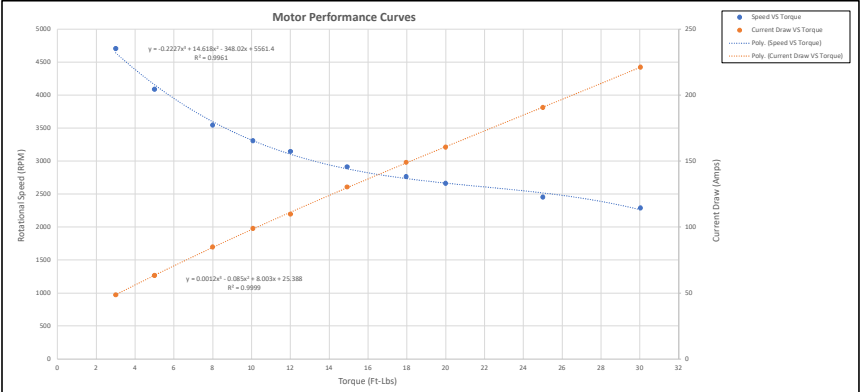
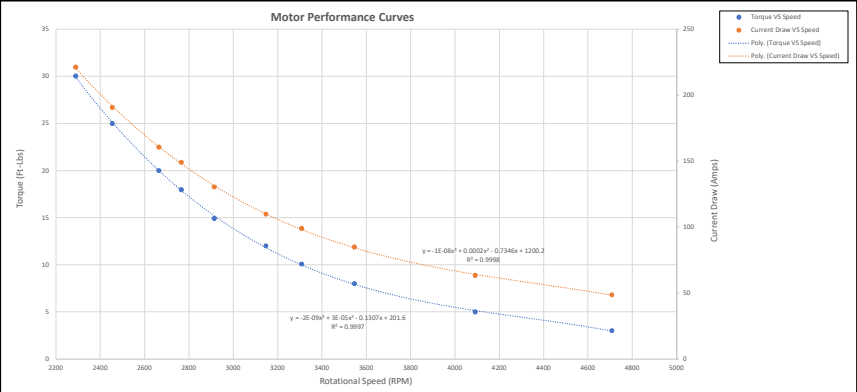
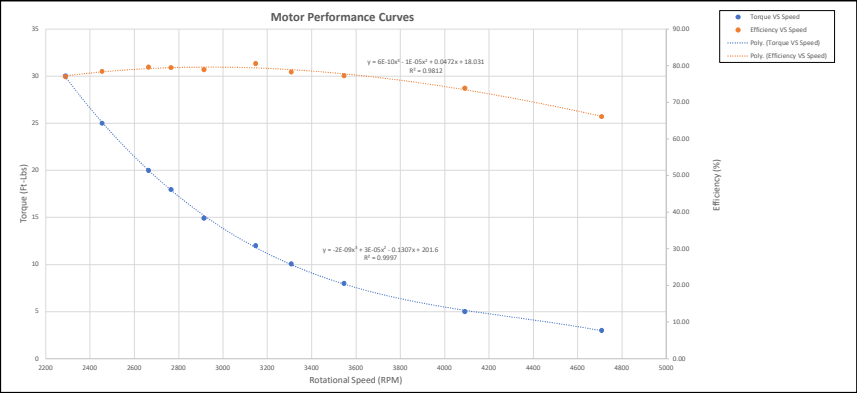
Engineering Performance Test Report
Performance Spec (PS) Number: 6
System Voltage [V]: 60 - (V ± 0.015)

Torque (Ft-Lbs)	Speed (RPM)	Applied Voltage (Volts)	Armature Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
4.99	4125	59	61	0	0	61	4.83	3.92	81.25
8	3531	58.65	82.9	0	0	82.9	6.51	5.38	82.55
10	3185	58.44	96.1	0	0	96.1	7.53	6.25	83.03
12.01	3108	58.24	109.5	0	0	109.5	8.55	7.11	83.14
15	2895	57.94	128.9	0	0	128.9	10.01	8.27	82.58
18	2760	57.63	148.3	0	0	148.3	11.46	9.46	82.56
20	2648	57.42	160.5	0	0	160.5	12.36	10.08	81.62
24.98	2475	56.96	191.1	0	0	191.1	14.59	11.78	80.70
30.03	2305	56.36	219.1	0	0	219.1	16.61	13.18	79.31
39.98	2044	55.71	271.8	0	0	271.8	20.46	15.56	76.07
50.02	1858	54.89	329.3	0	0	329.3	24.23	17.69	73.02



Engineering Performance Test Report
Performance Spec (PS) Number: 6
System Voltage [V]: 64 - (1 * 0.030)

Torque (Ft-Lbs)	Speed (RPM)	Applied Voltage (Volts)	Armature Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
3	4708	62.6	48.6	0	0	48.6	4.07	2.69	66.09
5	4591	62.4	63.4	0	0	63.4	5.26	3.9	73.86
7.99	3546	61.5	84.9	0	0	84.9	6.99	5.4	77.25
10.07	3308	61.1	99	0	0	99	8.1	6.34	78.27
12	3147	60.7	109.8	0	0	109.8	8.92	7.19	80.61
14.92	2914	60.1	130.4	0	0	130.4	10.49	8.28	78.93
17.96	2765	59.5	149.1	0	0	149.1	11.89	9.45	79.48
19.99	2664	59.2	160.6	0	0	160.6	12.74	10.14	79.59
25	2454	58.2	190.8	0	0	190.8	14.89	11.68	78.44
30.01	2289	57.3	221.3	0	0	221.3	16.99	13.08	76.99



Engineering Performance Test Report
Performance Spec (PS) Number: 6
System Voltage [V]: 72 - [V * 0.030]

Torque (Ft-Lbs)	Speed (RPM)	Applied Voltage (Volts)	Armature Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
4	5085	70.8	53.7	0	0	53.7	5.1	3.87	75.90
6.02	4458	70.3	67.6	0	0	67.6	6.36	5.11	80.30
8	4045	69.8	81	0	0	81	7.58	6.16	81.30
10.01	3750	69.4	94.2	0	0	94.2	8.76	7.15	81.60
15.03	3268	68.3	125	0	0	125	11.64	9.35	81.70
20.01	2958	67.2	154.8	0	0	154.8	13.96	11.27	80.70
29.98	2549	65.3	214.1	0	0	214.1	18.75	14.55	77.60
39.97	2227	63.4	273.6	0	0	273.6	23.23	16.95	73.00
49.95	1974	61.2	335.4	0	0	335.4	27.53	18.77	68.20
59.96	1796	59.1	393.3	0	0	393.3	31.36	20.5	65.60
70.01	1665	57.7	448.7	0	0	448.7	34.71	22.2	63.90

