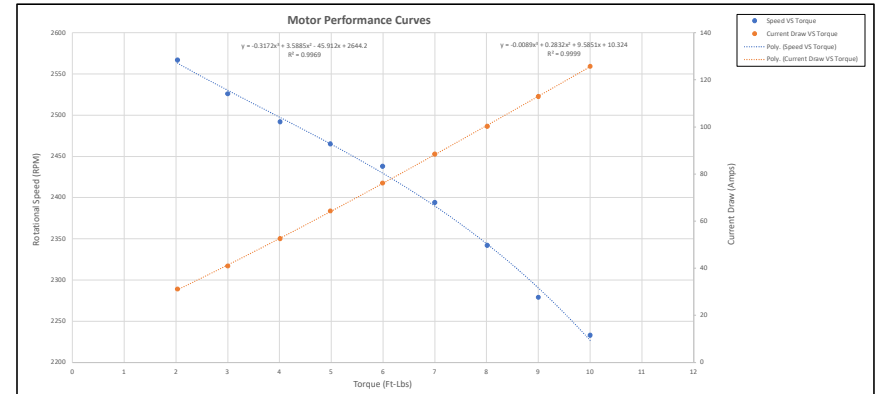
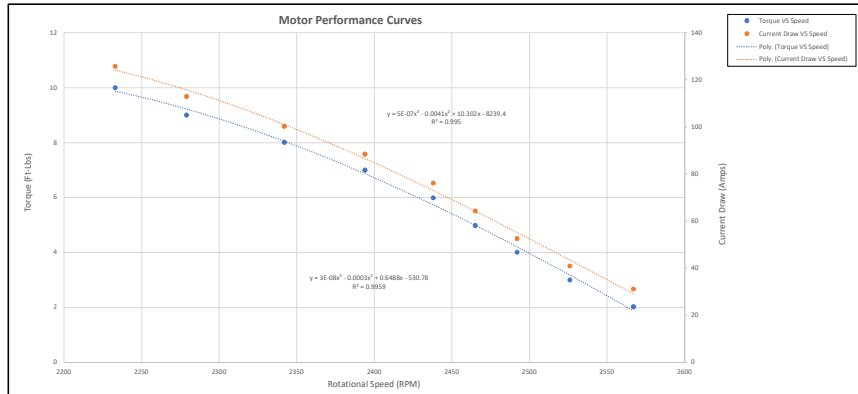
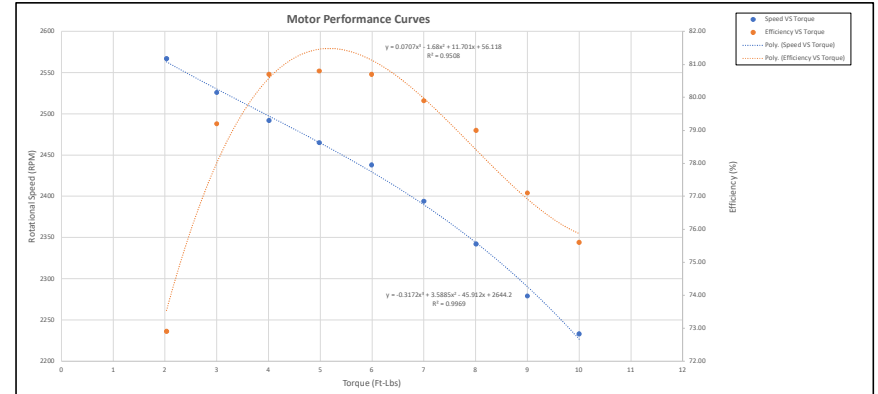
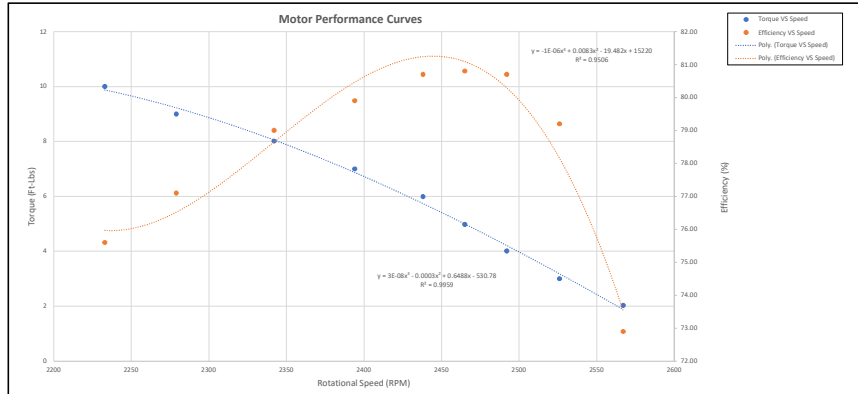


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage (V): 36 - (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 (%)
2.03	2567	35.6	28.2	3.3	2.95	31.15	1.36	0.99	72.90
3	2526	35.5	38	3.3	2.94	40.94	1.82	1.44	79.20
4.01	2492	35.3	49.6	3.3	2.95	52.55	2.36	1.9	80.70
4.98	2465	35.1	61.3	3.3	2.99	64.29	2.9	2.34	80.80
5.99	2438	34.9	73.2	3.3	2.98	76.18	3.44	2.78	80.70
7	2394	34.8	85.5	3.3	2.97	88.47	3.99	3.19	79.90
8.01	2342	34.6	97.3	3.3	2.97	100.27	4.52	3.57	79.00
9	2279	34.3	110	3.3	2.94	112.94	5.07	3.91	77.10
10	2233	34.1	122.8	3.3	2.95	125.75	5.62	4.25	75.60

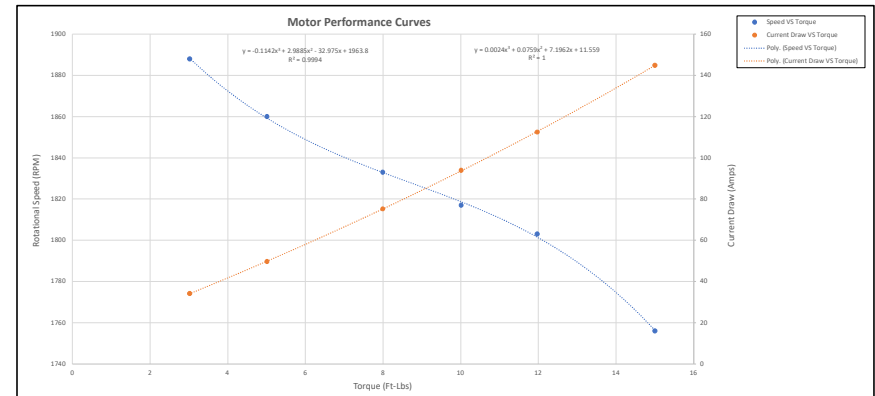
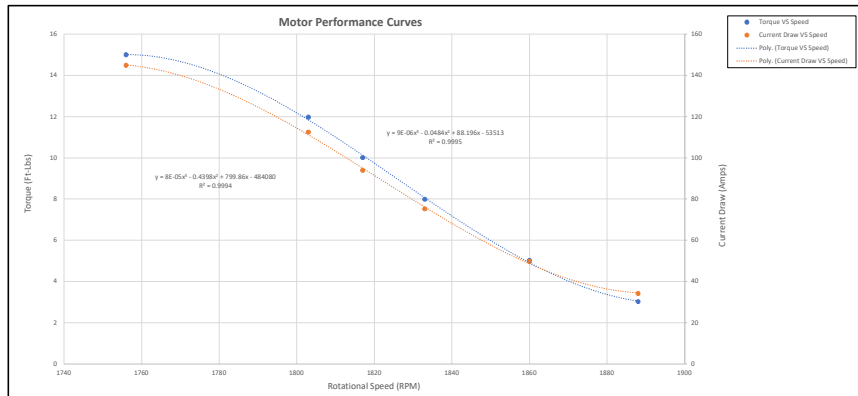
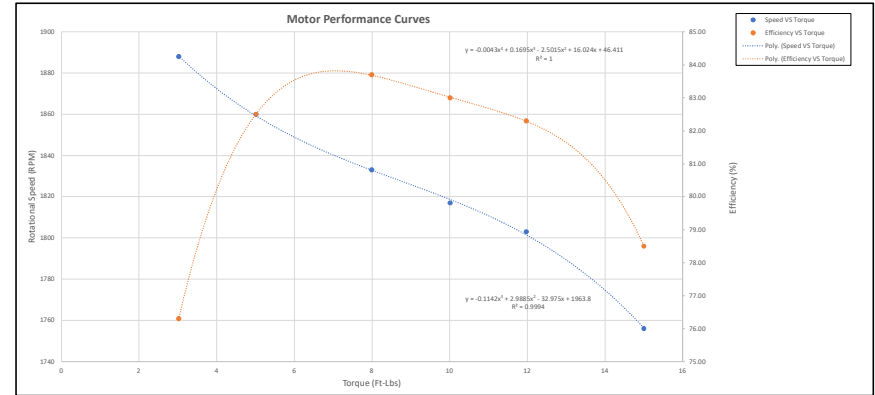
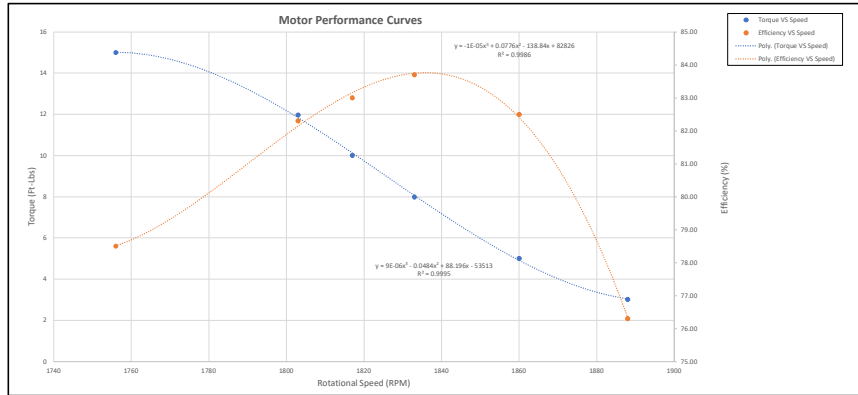


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage (V): 36 - (V ± 0.015)

Torque (Ft-Lbs)	Speed (RPM)	Available Voltage (Volts)	Armature Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
3.02	1888	35.6	29.1	5.5	5.03	34.13	1.42	1.09	76.30
5.01	1800	35.3	44.6	5.5	5.06	49.65	2.15	1.77	82.20
7.99	1833	35	70.2	5.5	5	75.2	3.33	2.79	83.70
10.01	1817	34.7	88.9	5.5	5.02	93.92	4.17	3.46	83.00
11.97	1803	34.4	107.5	5.5	5.01	112.51	4.99	4.11	82.30
15	1756	33.9	139.9	5.5	5.01	144.91	6.39	5.02	78.50

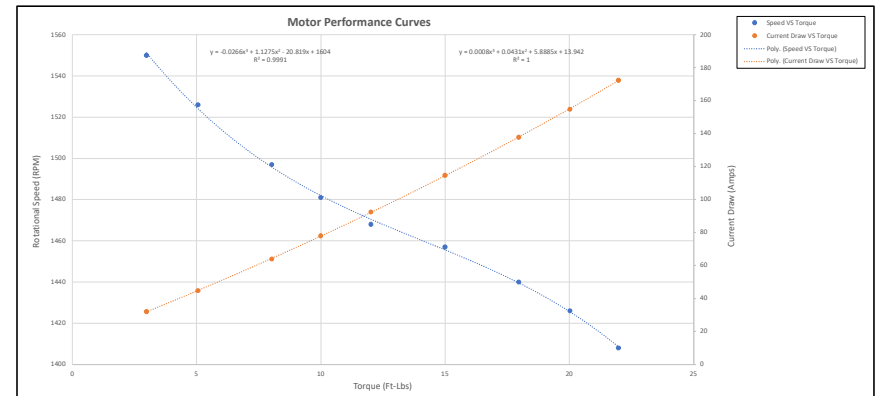
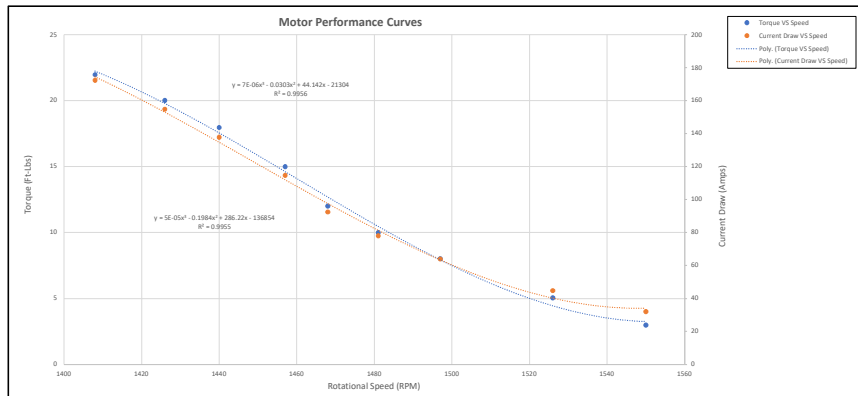
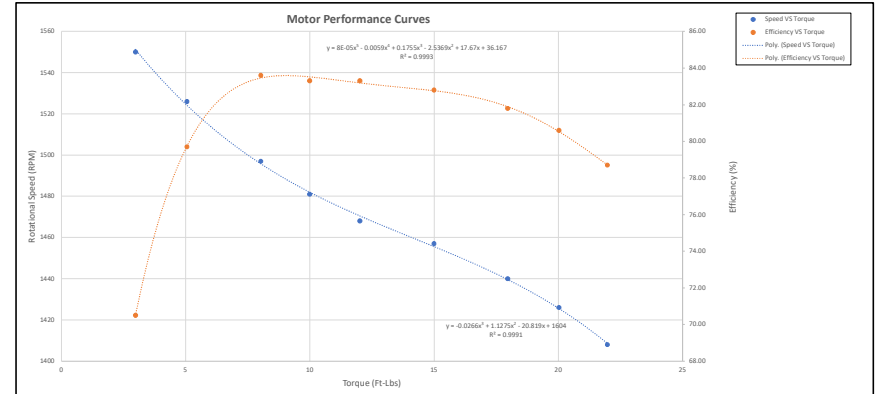
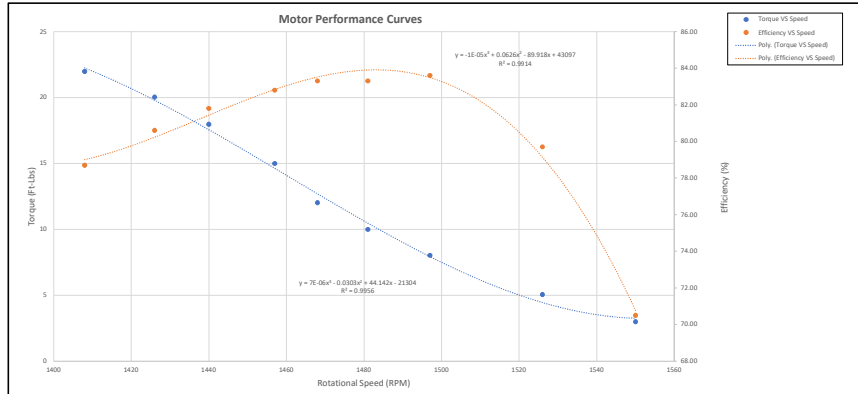


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage (V): 36 - (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 (%)
2.98	1550	35.7	24.1	8.7	7.94	32.04	1.25	0.88	70.50
5.05	1526	35.5	26.8	8.7	7.97	44.77	1.84	1.47	79.70
8.02	1497	35.2	36	8.7	7.93	63.93	2.73	2.28	83.60
9.99	1481	35	70.1	8.7	7.89	77.99	3.38	2.82	83.30
12.01	1468	34.8	84.5	8.7	7.94	92.44	4.03	3.36	83.30
14.99	1457	34.4	105.8	8.8	7.91	114.71	5.02	4.16	83.30
17.96	1440	34.1	129.8	8.8	7.96	137.76	6.02	4.92	81.80
20.02	1426	33.8	146.9	8.8	7.95	154.85	6.74	5.44	80.60
21.97	1408	33.5	164.5	8.8	7.93	172.43	7.49	5.89	78.70

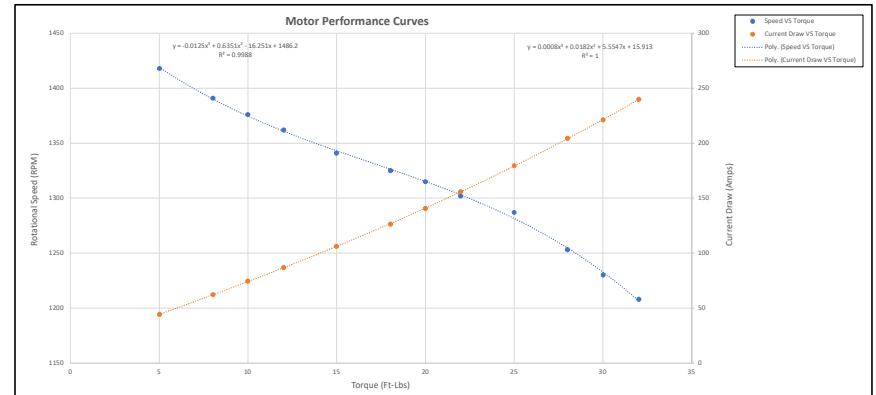
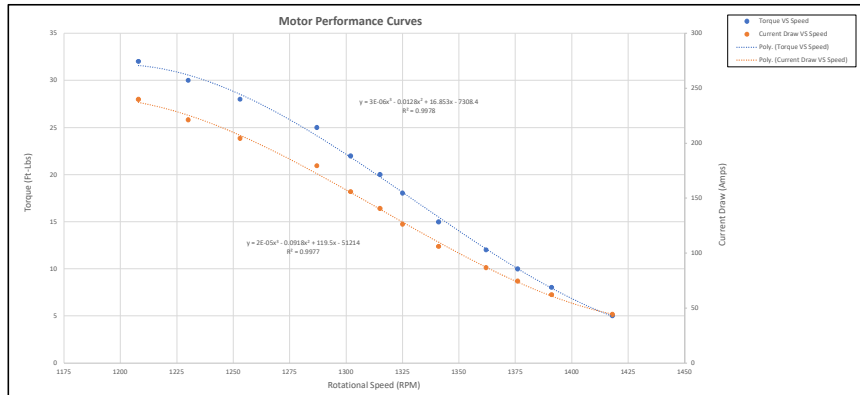
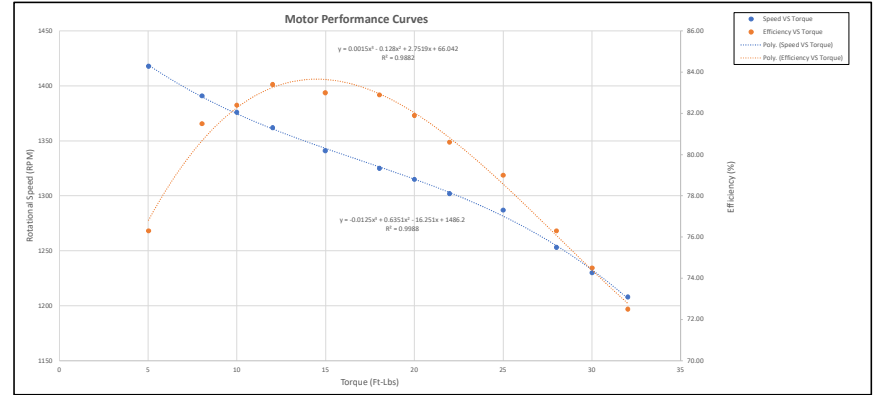
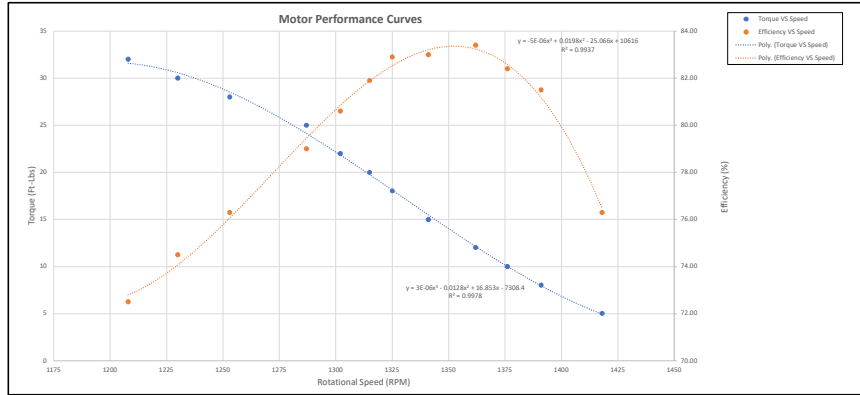


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage (V): 36 - (1 ± 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 (%)
5.02	1418	35.5	34.2	10.9	9.98	44.18	1.77	1.35	76.30
8.03	1391	35.9	32.8	10.9	10.01	42.41	2.61	2.13	81.50
9.99	1376	35.1	64.5	10.9	10	74.5	3.18	2.62	82.40
12.01	1362	34.9	76.8	11	9.96	86.76	3.74	3.12	83.40
14.98	1341	34.6	96.1	11	9.96	106.06	4.61	3.83	83.00
18.03	1325	34.3	116.3	11	10	126.3	5.49	4.55	82.90
20	1315	34	130.8	11.1	9.84	140.64	6.11	5.01	81.90
21.98	1302	33.8	145.9	11.1	10.02	155.92	6.76	5.45	80.60
25	1287	33.5	169.5	11.1	9.99	179.49	7.75	6.13	79.00
28	1253	33	194.6	11.2	9.85	204.45	8.76	6.68	76.30
30.01	1230	32.8	211.4	11.2	9.8	221.2	9.43	7.03	74.50
32.02	1208	32.5	230	11.2	9.86	239.86	10.16	7.37	72.50

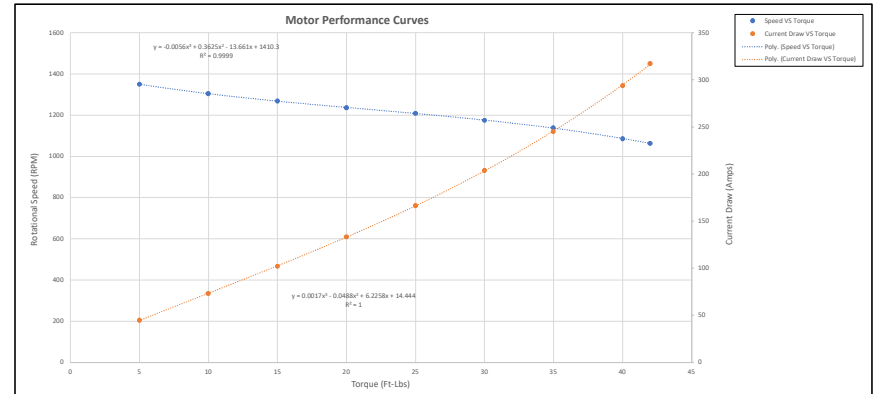
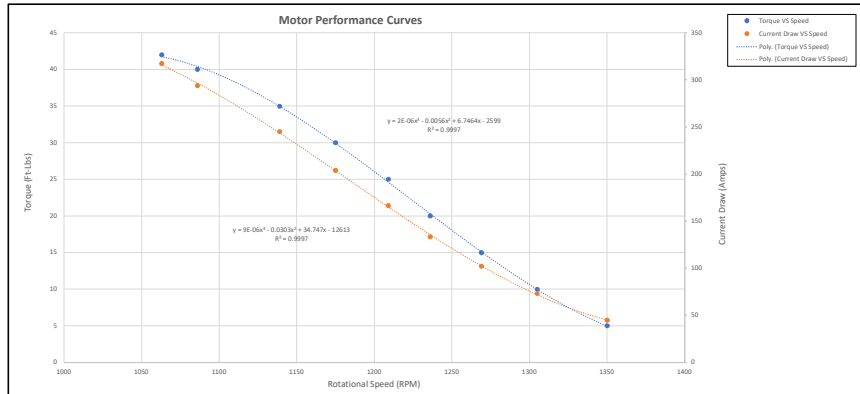
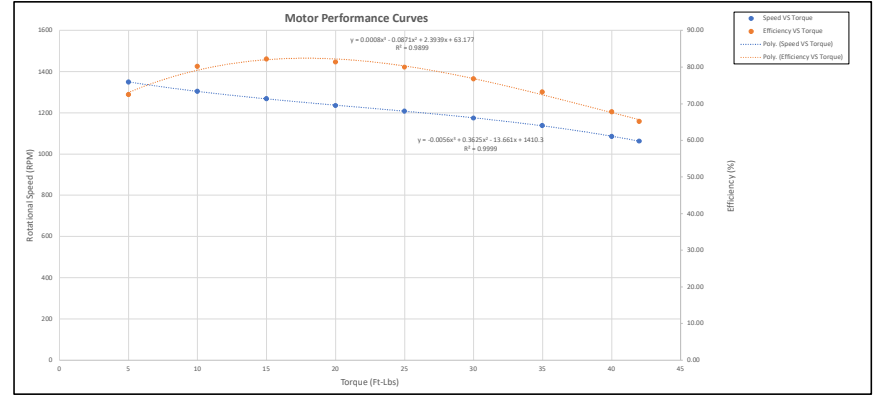
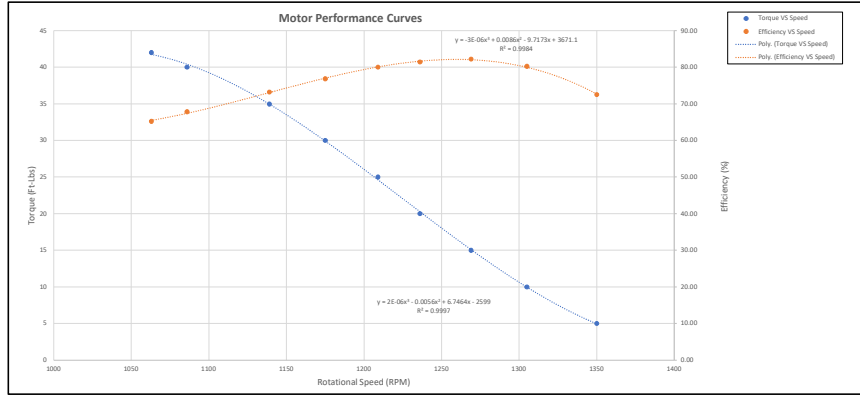


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage (V): 36 - (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 (%)
5	1350	35.5	32.8	13.2	12	44.8	1.77	1.29	72.50
9.98	1305	35.1	61.2	13.3	11.96	73.16	3.05	2.48	80.20
14.99	1269	34.7	90.1	13.4	12.01	102.11	4.4	3.62	81.20
19.99	1236	34.2	121.4	13.4	11.97	133.37	5.78	4.7	81.40
24.99	1209	33.7	154.3	13.5	12.07	166.37	7.19	5.75	80.00
29.99	1175	33.1	191.8	13.5	12.11	203.91	8.71	6.71	78.80
34.97	1139	32.5	232.9	13.6	12.13	245.03	10.36	7.58	73.20
40	1086	31.7	281.7	13.6	12.06	293.76	12.2	8.27	67.80
41.99	1063	31.3	305.3	13.7	11.91	317.21	13.04	8.51	65.20

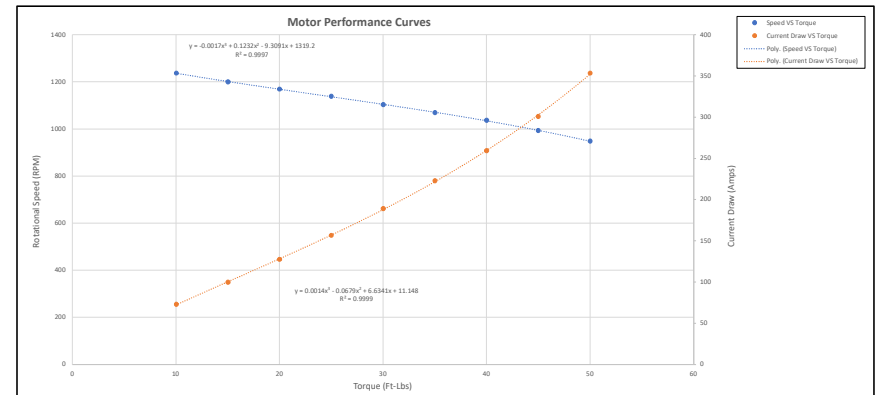
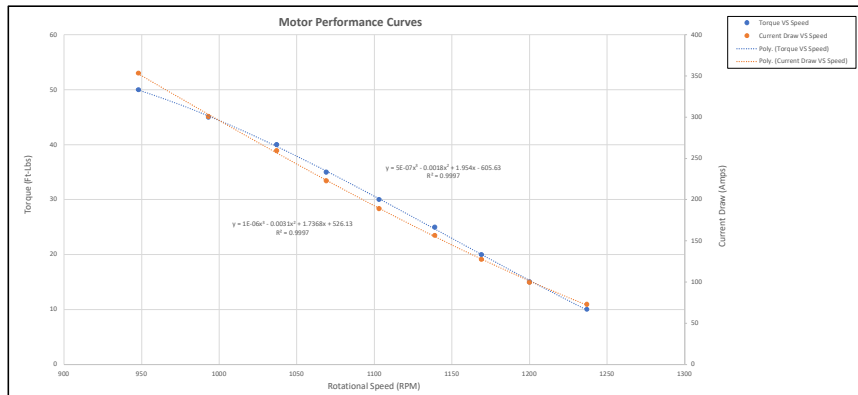
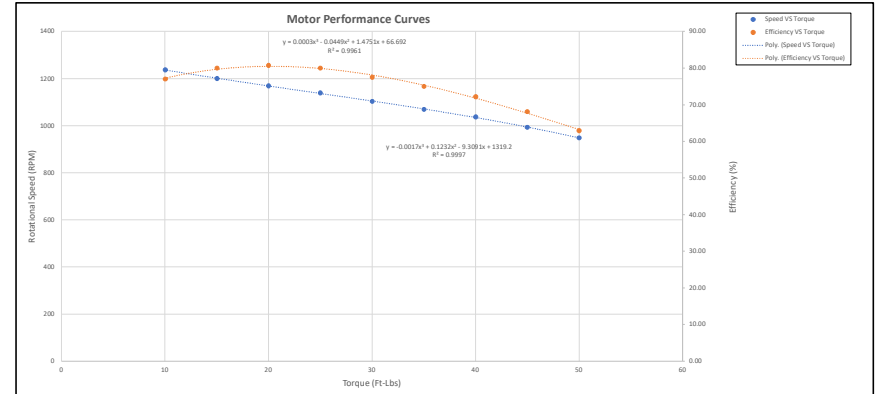
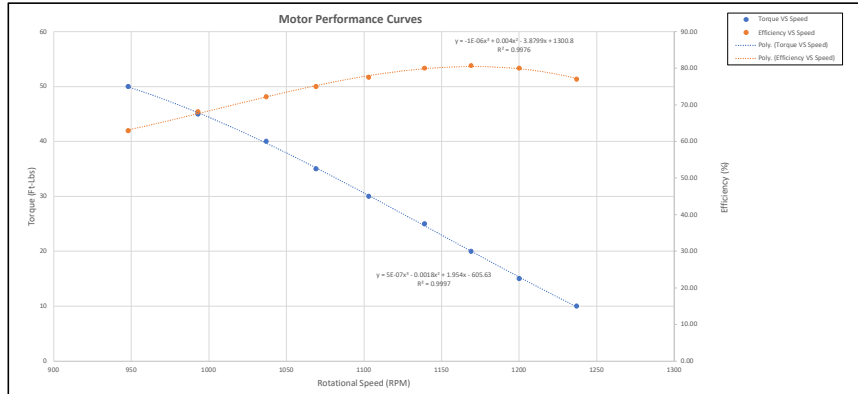


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage [V]: 36 - (V * 0.015)

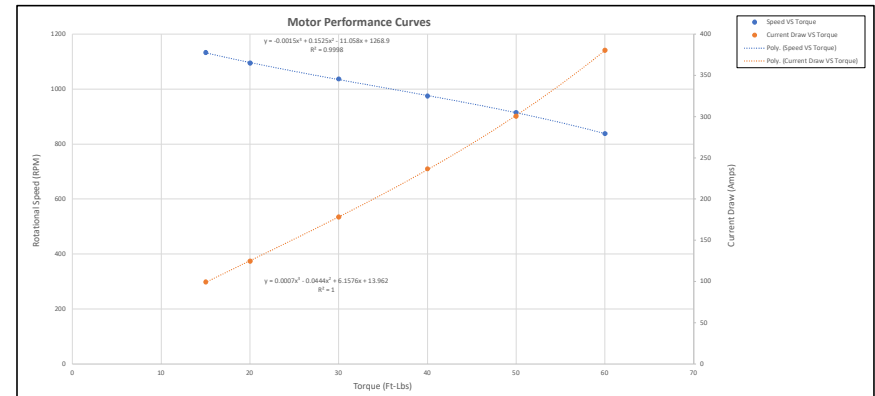
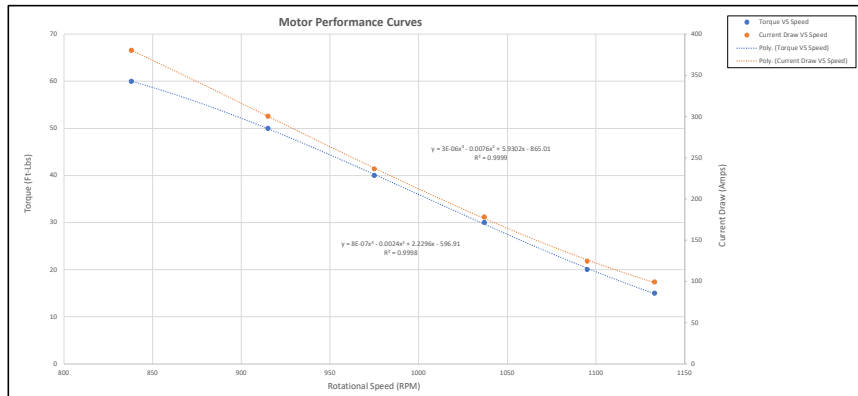
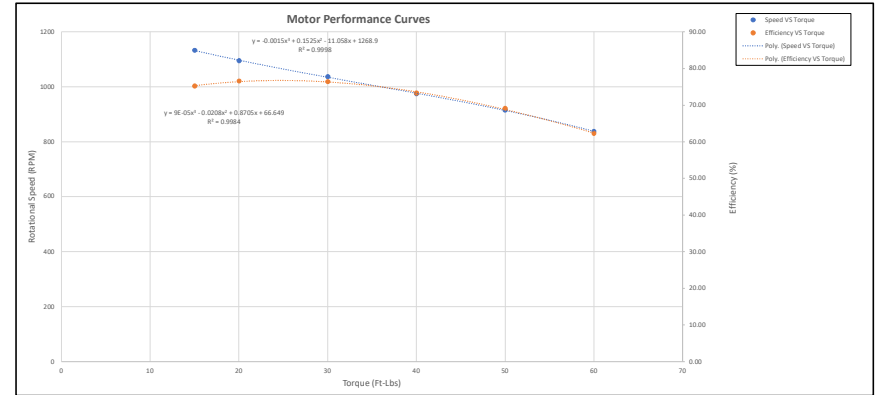
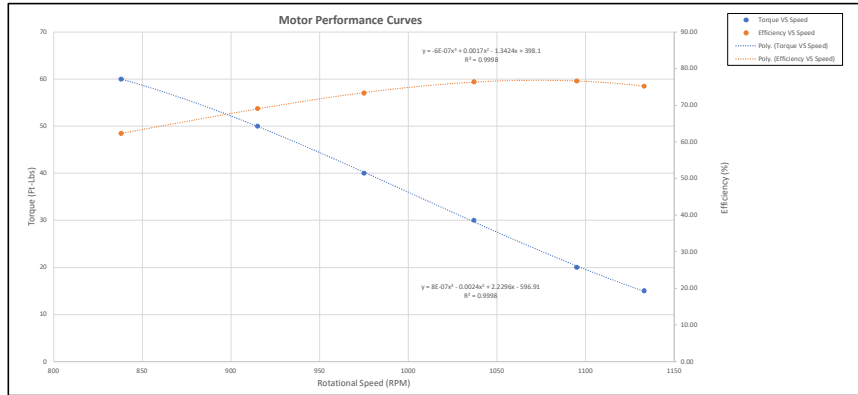
Torque (Ft-Lbs)	Speed (RPM)	Applied Voltage (Volts)	Armature Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
10.03	1237	35.2	57.9	16.8	15	72.9	3.07	2.36	77.00
15.02	1200	34.8	56.2	16.9	14.99	99.99	4.29	3.43	80.00
20	1169	34.3	132.5	17	15.02	127.52	5.51	4.45	80.70
25	1139	33.9	141.6	17.1	15	156.6	6.77	5.42	80.00
30.02	1103	33.4	174.1	17.3	15.04	189.14	8.14	6.3	77.50
35.01	1069	32.9	207.9	17.4	14.94	222.84	9.5	7.13	75.00
40.01	1037	32.3	244.2	17.5	15.12	259.32	10.94	7.9	72.20
44.99	993	31.7	285.7	17.6	15.05	300.75	12.5	8.51	68.10
50	948	30.9	338.3	17.7	15.1	353.4	14.35	9.03	62.90



Engineering Performance Test Report

Performance Spec (PS) Number: 68
 System Voltage (V): 36 - (1 * 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 (%)
15.02	1133	34.9	79.3	22.5	19.97	99.27	4.31	3.24	75.20
20.02	1095	34.5	83.2	22.8	19.94	124.64	5.45	4.17	76.60
30.01	1037	33.7	158.3	23.1	19.94	178.24	7.76	5.92	76.40
40.01	975	32.8	216.7	23.4	19.9	236.6	10.14	7.43	73.30
49.99	915	31.8	280.8	23.6	19.77	300.57	12.61	8.71	69.10
60	838	30.5	360.5	23.9	19.96	380.46	15.38	9.58	62.30

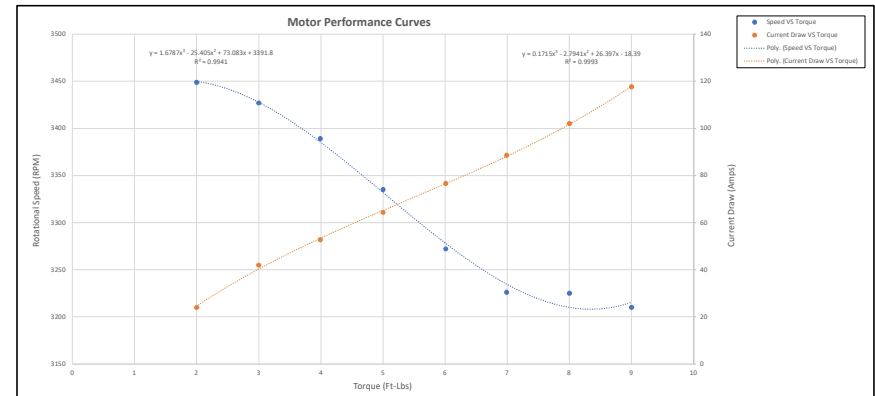
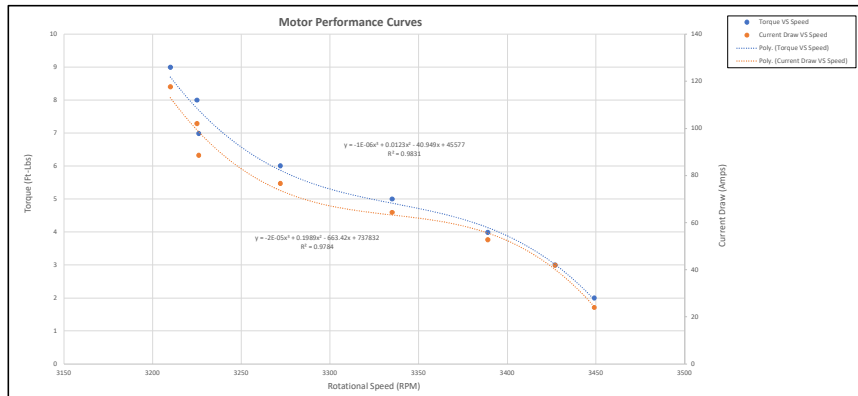
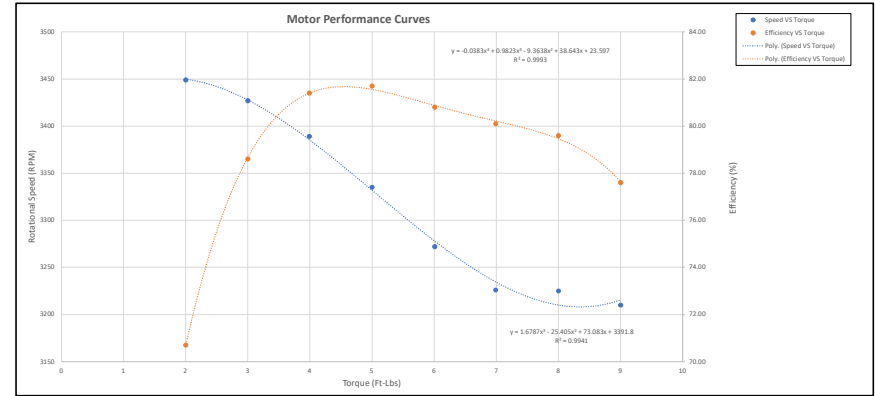
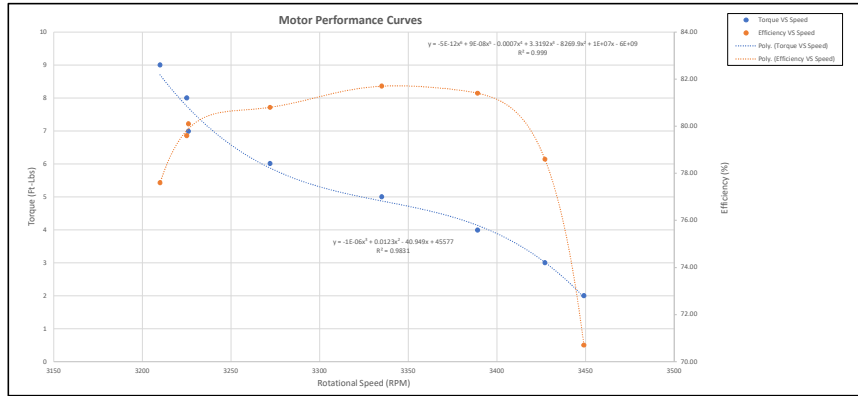


Engineering Performance Test Report

Performance Spec (PS) Number: 68

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 (%)
2	3449	47.6	21	3.4	2.93	23.93	1.86	1.31	70.70
3	3422	47.4	39	3.4	2.93	41.93	2.49	1.96	78.60
3.99	3389	47.2	49.8	3.4	2.93	52.73	3.17	2.58	81.40
5	3335	47	61.4	3.4	2.95	64.35	3.88	3.17	81.70
6.01	3272	46.8	73.6	3.4	3.01	76.61	4.63	3.74	80.80
6.99	3226	46.6	85.6	3.4	3.06	88.66	5.36	4.29	80.10
8	3225	46.4	99.1	3.4	2.96	102.06	6.17	4.91	79.60
9	3210	46.1	114.6	3.4	3.02	117.62	7.09	5.5	77.60

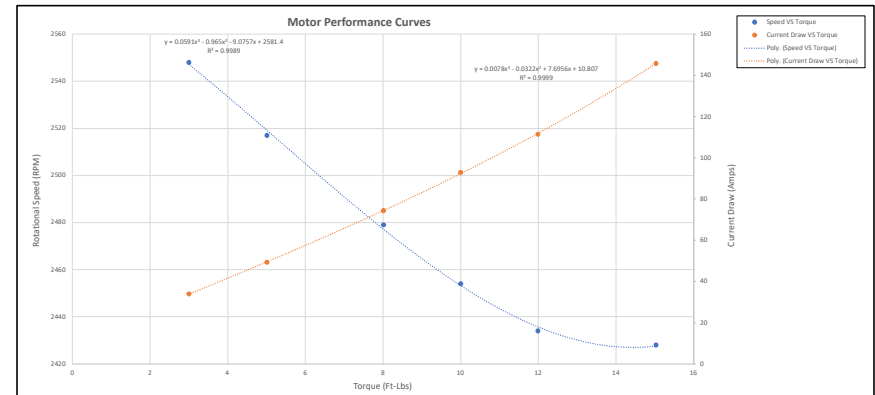
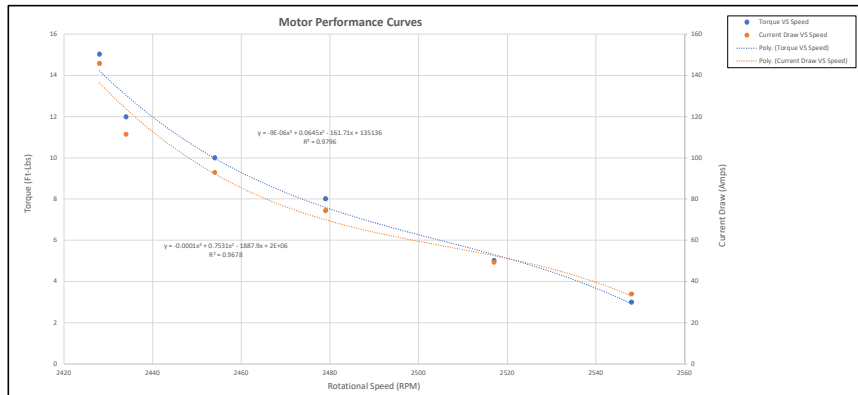
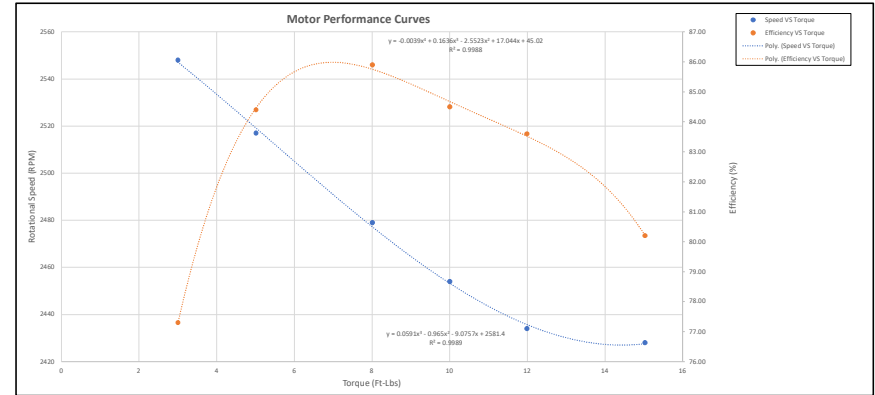
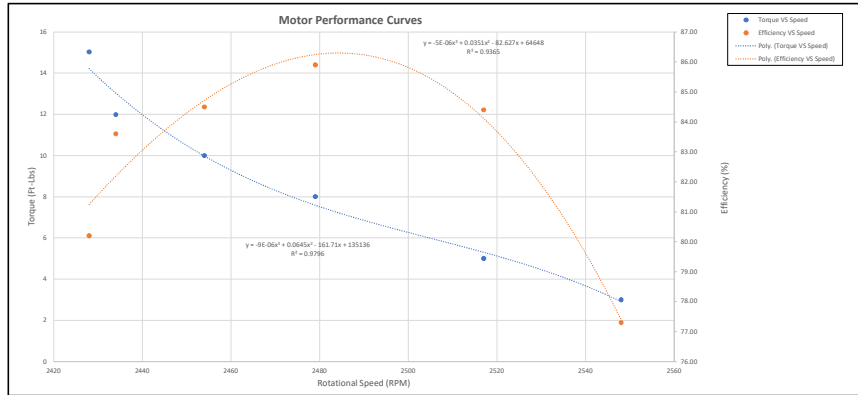


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage [V]: 48 - (1 * 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	2548	47.6	28.9	6.1	5.02	33.92	1.88	1.46	77.30
5.01	2517	47.3	44.3	6.1	5.02	49.32	2.85	2.4	84.40
8.01	2479	46.9	69.3	6.1	5.03	74.33	4.4	3.78	85.90
10	2454	46.6	87.9	6.1	5.03	92.93	5.53	4.67	84.50
11.99	2434	46.3	106.4	6.1	5.03	111.43	6.65	5.56	83.60
15.03	2428	45.7	149.8	6.1	5.03	145.83	8.66	6.95	80.20

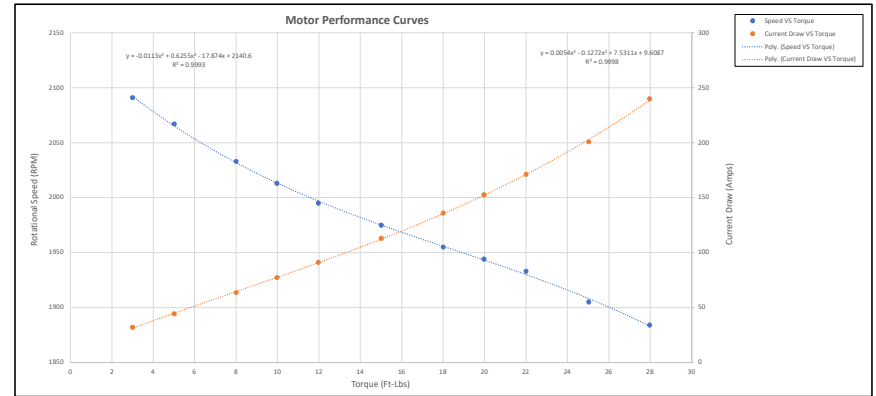
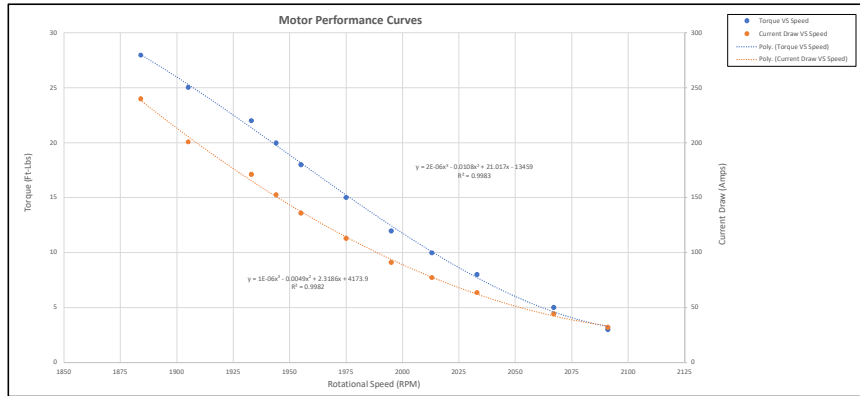
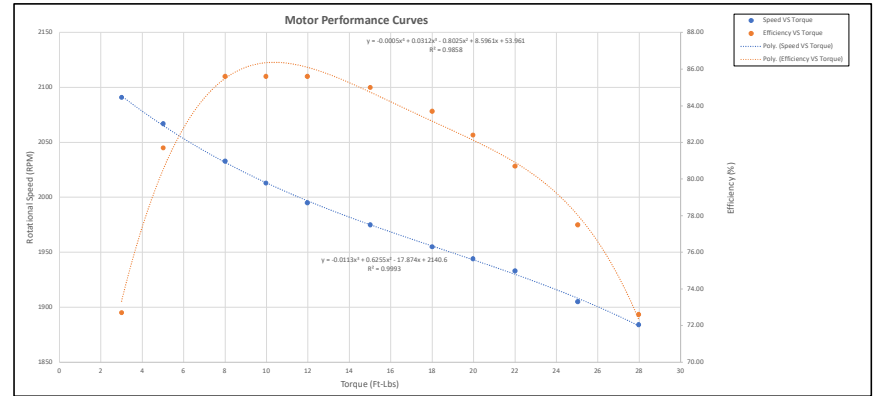
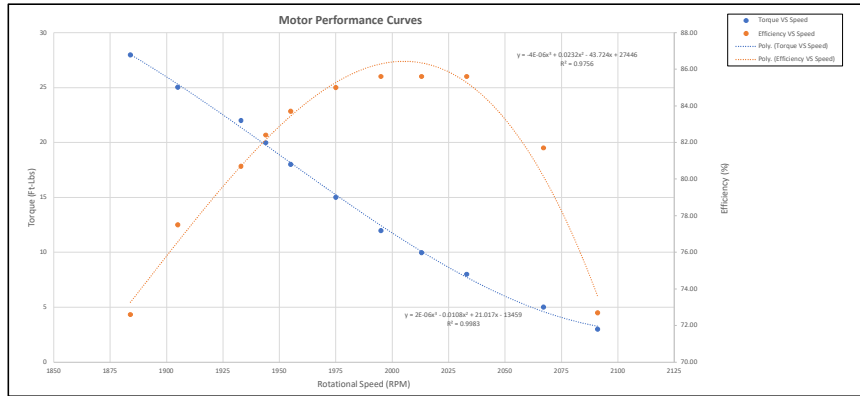


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage (V): 48 - (V ± 0.015)

Torque (Ft-Lbs)	Speed (RPM)	Available Voltage (Volts)	Armature Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
3	2091	47.6	24.1	9.8	7.9	32	1.65	1.2	72.70
5.01	2067	47.5	26.3	9.8	7.9	44.2	2.42	1.97	81.70
8	2033	47.1	55.6	9.8	7.94	63.54	3.62	3.11	85.60
9.97	2013	46.9	69.4	9.8	7.88	77.28	4.47	3.82	85.60
11.97	1995	46.7	83.1	9.9	7.94	91.04	5.31	4.55	85.60
15.01	1975	46.4	105	9.9	7.88	112.88	6.54	5.64	85.60
18	1955	46.1	128	9.9	7.9	135.9	8.01	6.7	83.70
19.97	1944	45.7	144.6	9.9	7.99	152.59	8.97	7.39	82.40
22	1933	45.4	163.1	9.9	8.05	171.15	10.04	8.1	80.70
25.01	1905	44.9	192.8	9.9	7.93	200.71	11.71	9.08	77.50
27.97	1884	44.1	231.9	10	7.94	239.84	13.81	10.03	72.60

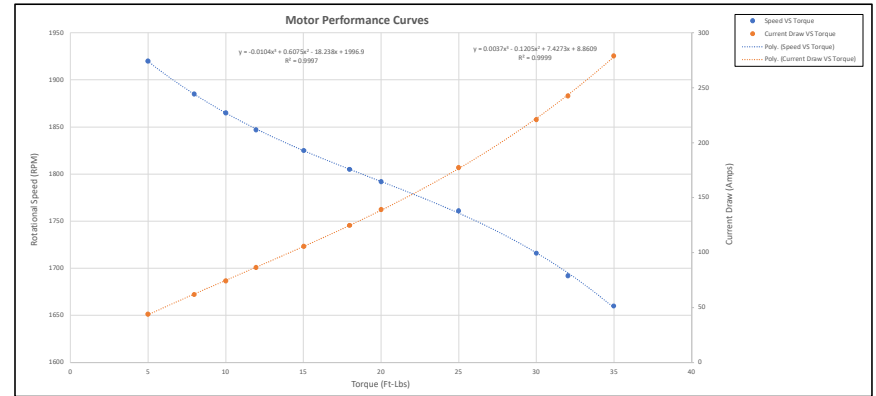
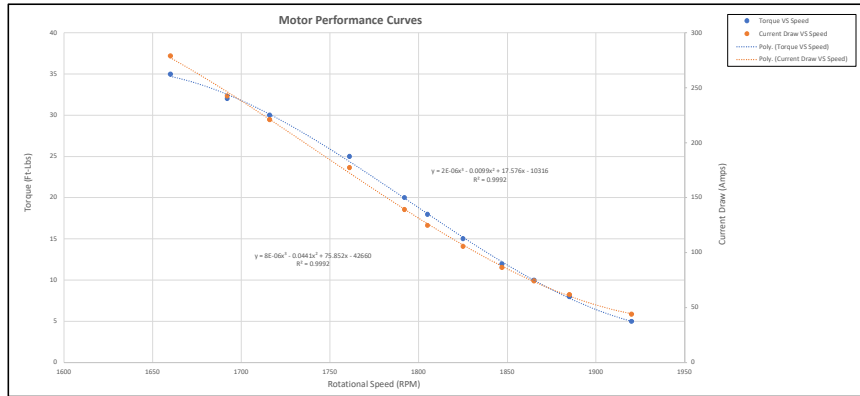
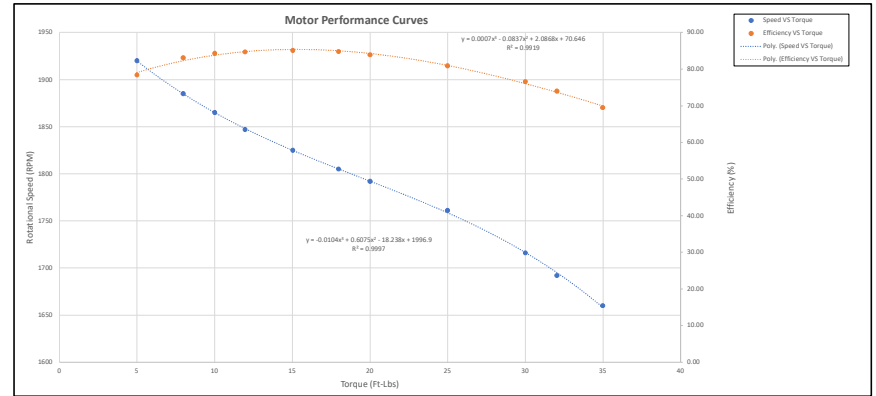
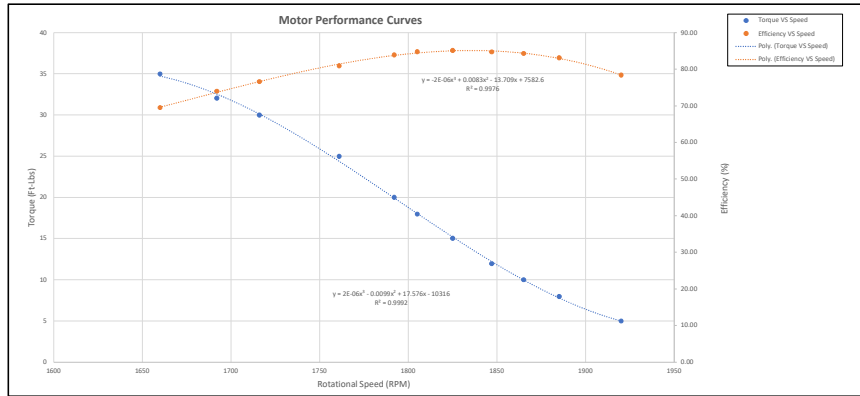


Engineering Performance Test Report

Performance Spec (PS) Number: 68

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 (%)
4.99	1920	47.5	34	12.2	9.98	43.98	2.33	1.83	78.40
7.97	1885	47.2	51.8	12.3	9.99	61.79	3.44	2.86	83.10
10	1865	47	64.3	12.3	9.97	74.27	4.21	3.55	84.30
11.95	1847	46.8	76.5	12.3	9.93	86.43	4.96	4.2	84.70
15.02	1825	46.5	95.7	12.3	9.94	105.64	6.13	5.22	85.10
17.97	1805	46.3	114.8	12.4	9.93	124.73	7.28	6.18	84.80
20	1792	46	129.2	12.4	9.96	139.16	8.13	6.82	83.90
24.99	1761	45.4	167.4	12.4	9.94	177.34	10.35	8.38	80.90
30	1716	44.6	211.2	12.5	9.85	221.05	12.79	9.8	76.60
32.03	1692	44.2	232.7	12.5	9.87	242.57	13.94	10.32	74.00
34.98	1660	43.7	268.9	12.6	10.1	279	15.91	11.06	69.50

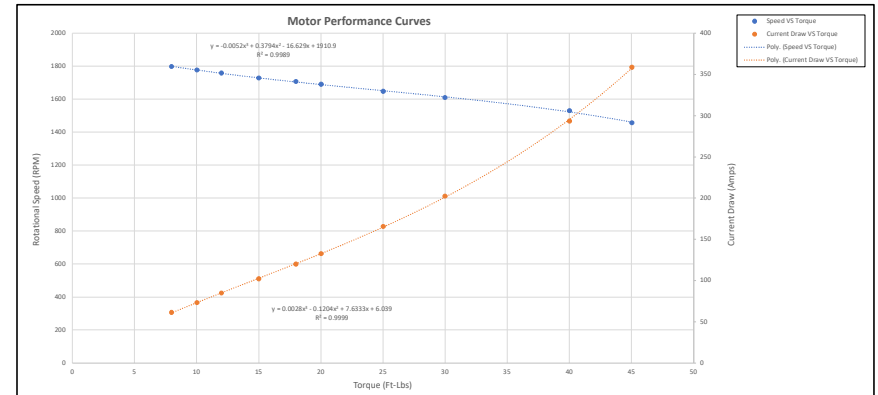
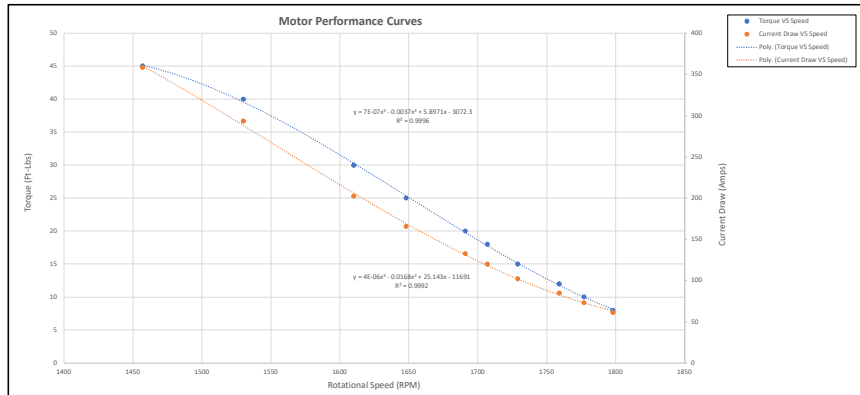
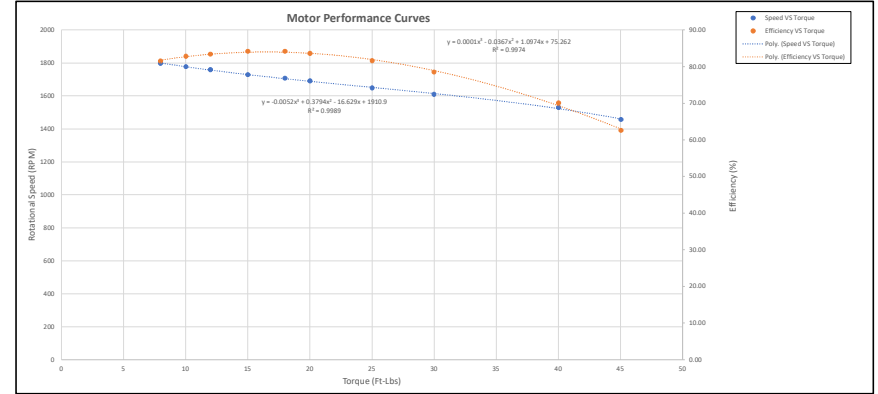
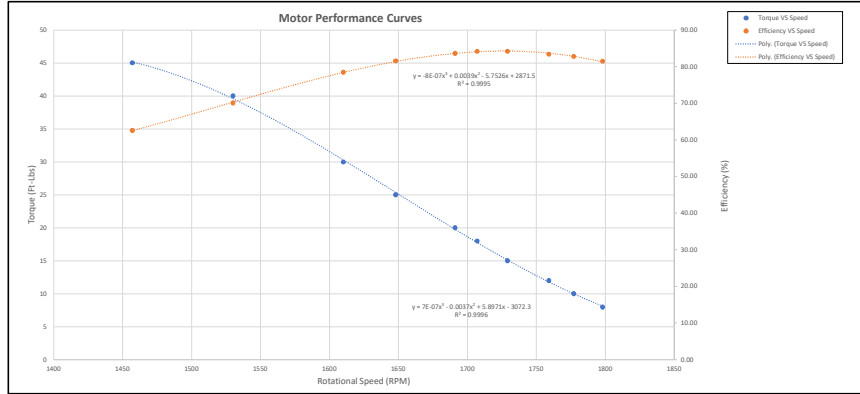


Engineering Performance Test Report

Performance Spec (PS) Number: 68

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 (%)
7.97	1798	47.2	49.3	14.4	11.9	61.2	3.35	2.73	81.50
10.02	1777	47.1	61.2	14.5	11.95	73.15	4.09	3.39	82.80
11.99	1759	46.9	72.9	14.5	11.97	84.87	4.82	4.01	83.40
15	1729	46.6	90.1	14.6	11.95	102.05	5.87	4.94	84.20
17.99	1707	46.4	108	14.7	11.94	119.94	6.94	5.85	84.20
20.01	1691	46.2	120.7	14.7	11.92	132.62	7.71	6.44	83.60
25.01	1648	45.6	153.6	14.8	11.97	165.57	9.62	7.85	81.60
29.98	1610	45	190.4	14.8	12.02	202.42	11.71	9.19	78.50
40.01	1530	43.4	281.3	14.9	12.15	293.45	16.61	11.65	70.10
45.03	1457	42.4	346.7	15	12.15	358.85	19.95	12.49	62.60

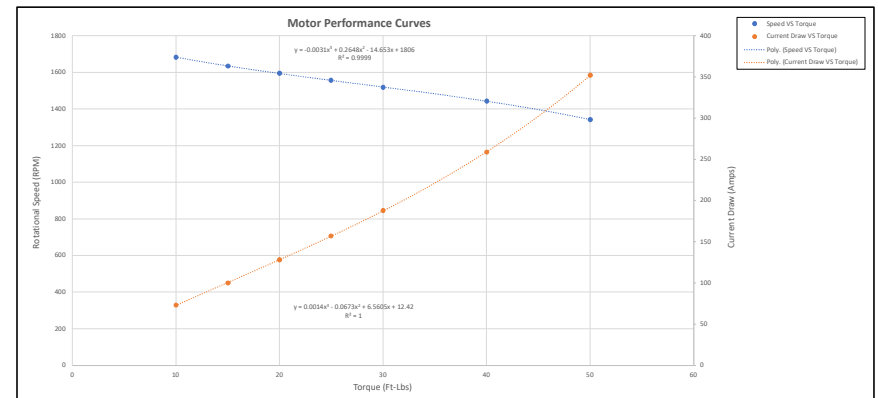
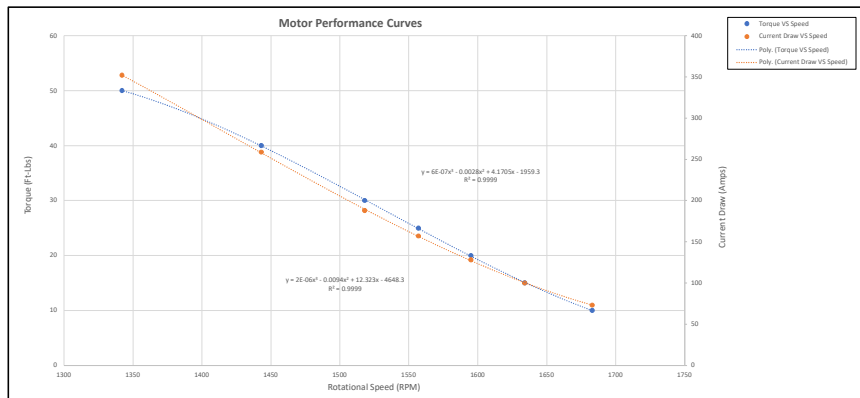
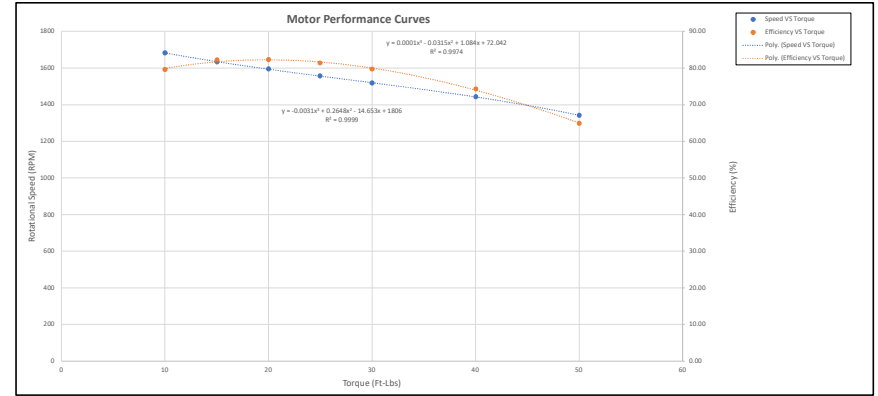
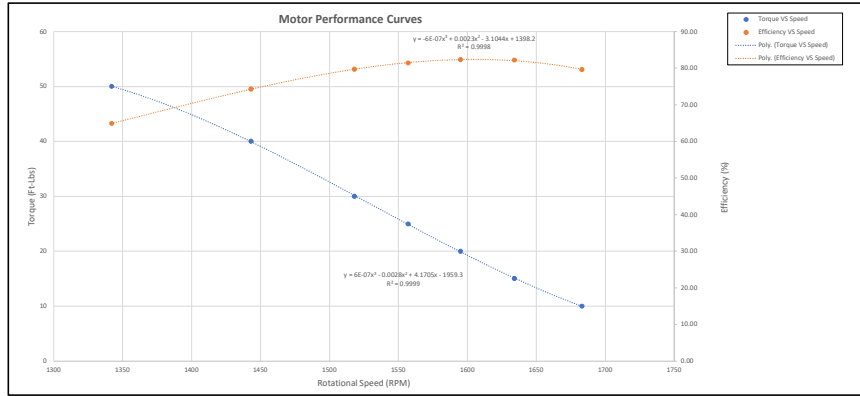


Engineering Performance Test Report

Performance Spec (PS) Number: 68

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 (%)
10	1683	47.1	58.1	17.9	14.99	73.09	4.03	3.2	79.60
15.02	1634	46.7	95	18.1	15	100	5.69	4.68	82.20
20	1595	46.3	113.1	18.2	14.97	128.07	7.38	6.07	82.30
24.97	1557	45.8	142	18.3	14.98	156.98	9.09	7.4	81.40
30	1518	45.3	172.9	18.4	15	187.9	10.87	8.67	79.70
40.02	1443	44.2	243.7	18.5	15.11	258.81	14.8	11.1	74.30
50.01	1342	42.7	337.2	18.7	14.89	352.09	19.69	12.78	64.90

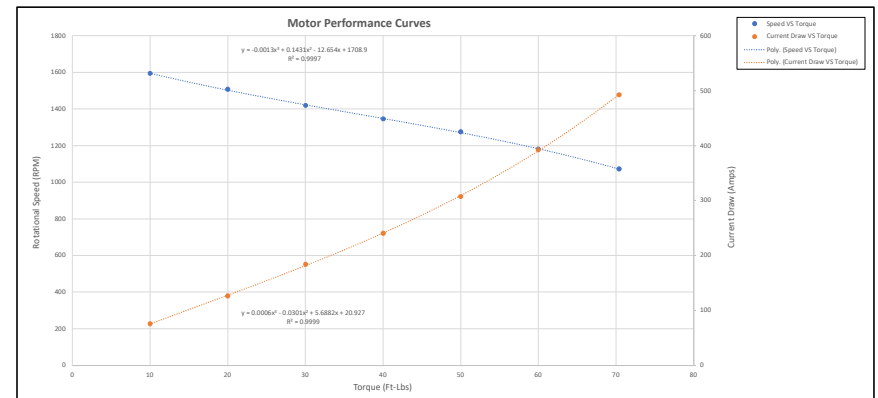
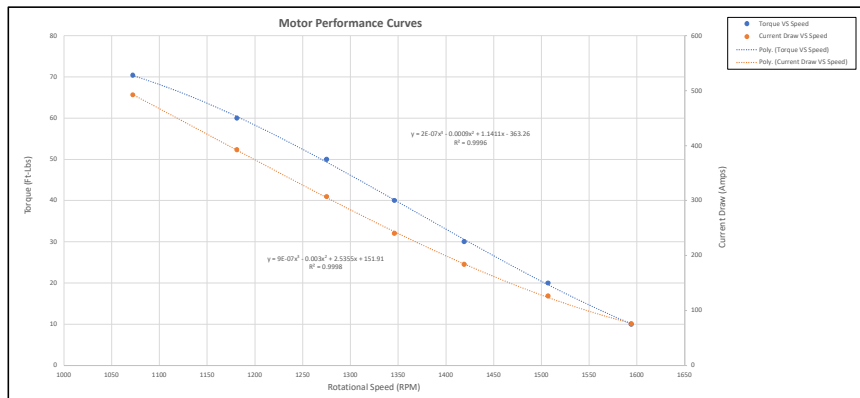
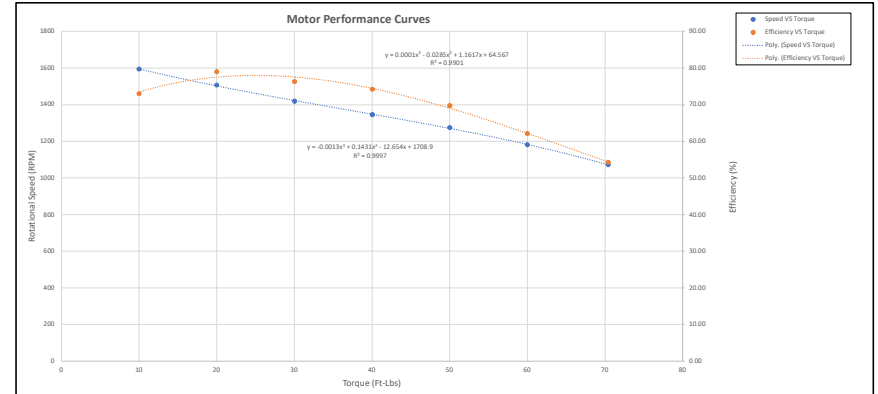
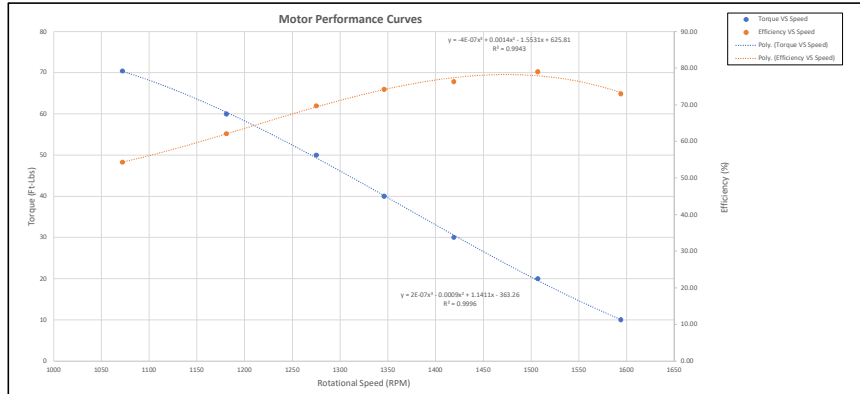


Engineering Performance Test Report

Performance Spec (PS) Number: 68

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 (%)
10	1594	47.1	55.7	23.8	19.95	75.65	4.16	3.09	73.00
20	1507	46.3	105.5	24.1	19.96	126.46	7.20	5.74	79.00
30.03	1419	45.3	164	24.4	19.94	183.94	10.64	8.12	76.30
40.03	1346	44.5	220.3	24.7	20	240.3	13.83	10.26	74.20
50	1275	43.5	287.3	25	19.93	307.23	17.4	12.14	69.70
60	1181	42.1	372.6	25.3	19.97	392.57	21.72	13.49	62.10
70.4	1072	40.5	472.7	25.5	19.71	492.41	26.33	14.29	54.30

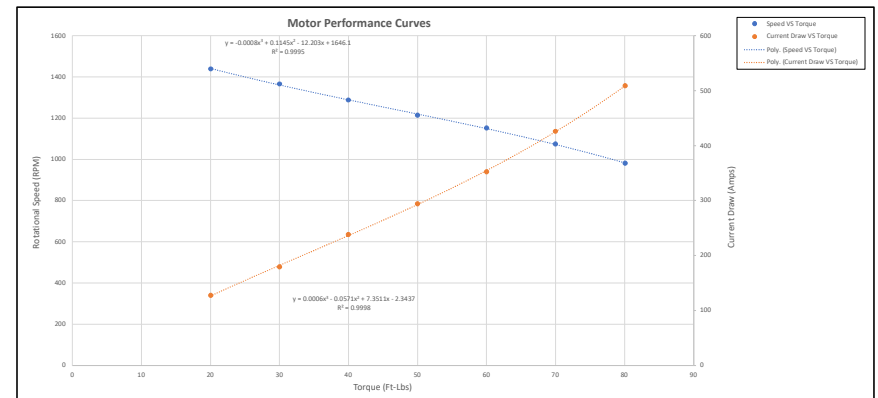
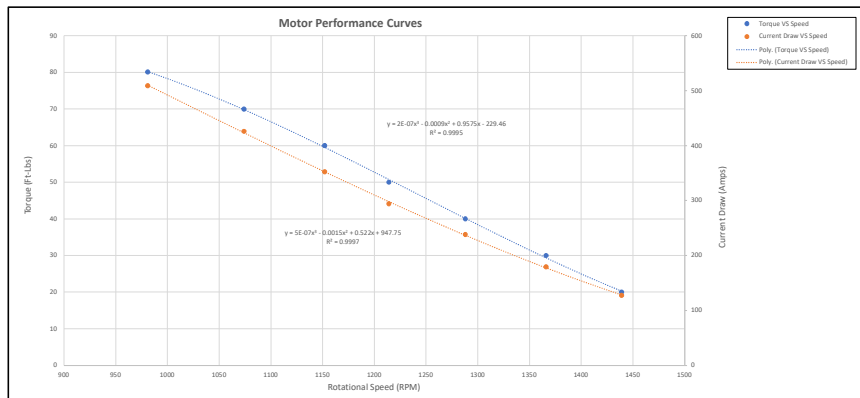
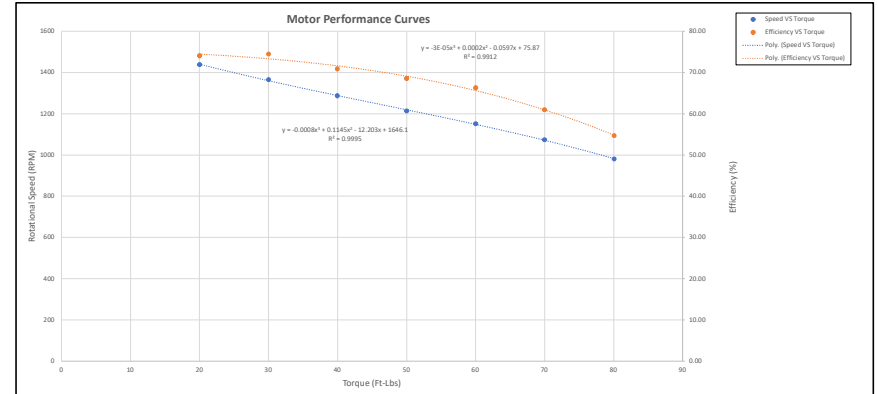
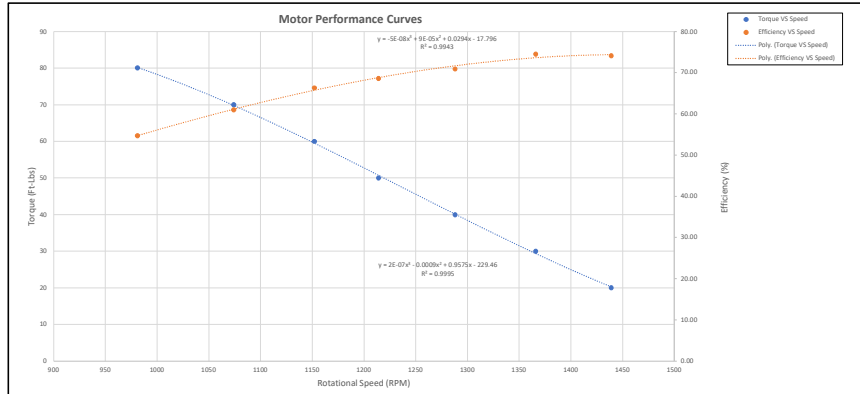


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage (V): 48 - (1 + 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 (%)
20.02	1439	46.4	102.4	31	24.97	127.37	7.41	5.49	74.10
30	1396	45.5	154.2	31.5	25.02	179.22	10.47	7.8	74.50
39.969	1388	44.6	213.3	32.2	24.98	238.28	13.84	9.81	70.90
50	1214	43.7	269.2	32.8	24.98	294.18	16.86	11.56	68.60
60	1152	42.7	327.4	33.3	24.89	352.29	19.84	13.16	66.30
69.97	1074	41.6	401.3	33.9	24.77	425.97	23.48	14.31	61.00
80.07	981	40.4	484	34.6	24.93	508.93	27.35	14.95	54.70

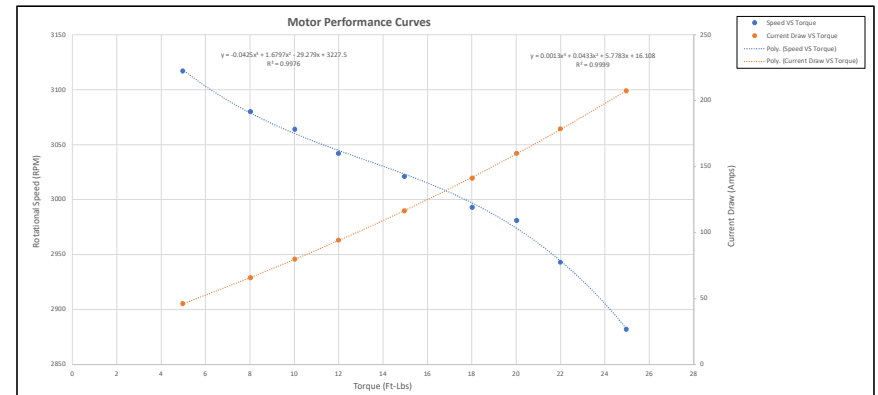
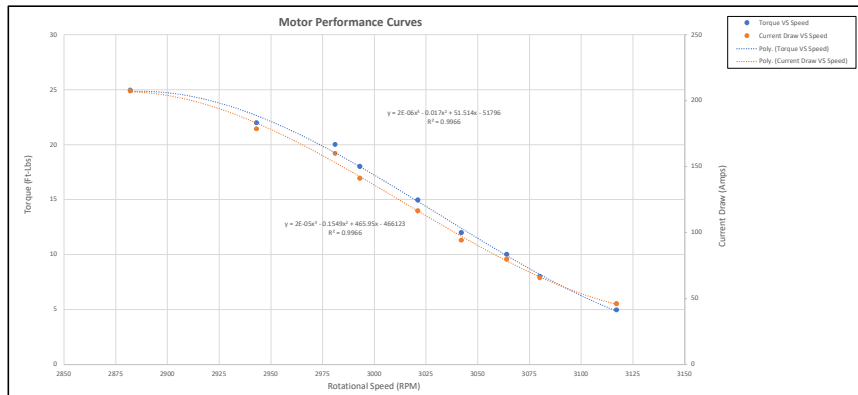
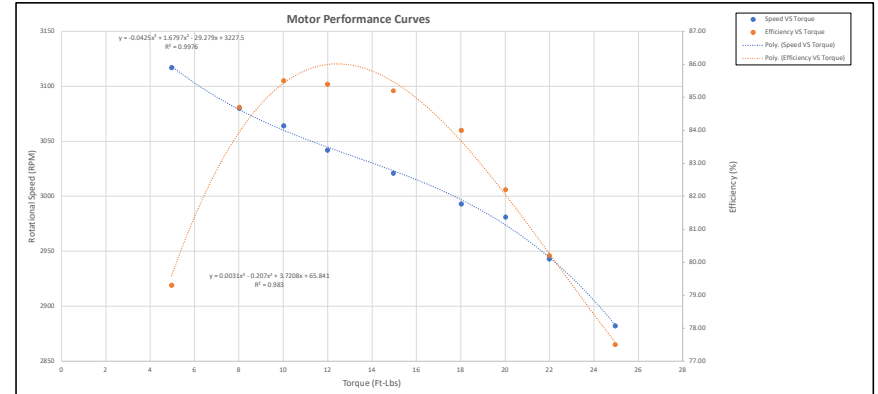
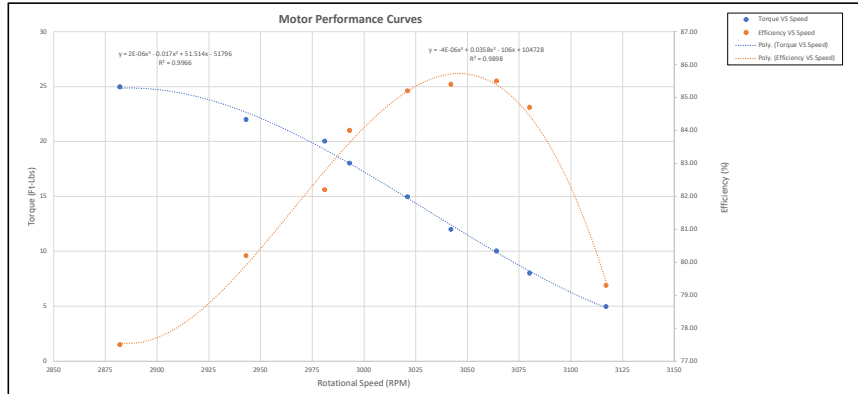


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage (V): 72 - (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 (%)
4.97	3117	71	38.1	9	7.94	46.04	3.72	2.95	79.30
8.02	3080	70.4	37.8	9	7.94	45.74	5.55	4.7	84.70
10.02	3064	69.9	37.9	9	7.94	45.84	6.83	5.84	85.50
11.99	3042	69.5	36.3	9.1	7.96	44.26	8.13	6.94	85.40
14.96	3021	68.8	36.6	9.1	7.88	44.48	10.1	8.61	85.20
18.02	2993	67.9	33.2	9.1	7.96	44.16	12.33	10.27	84.00
20.02	2981	67.3	32.1	9.1	7.92	44.02	13.82	11.36	82.20
21.99	2943	66.8	30.7	9.2	7.98	43.68	15.37	12.32	80.20
24.96	2882	65.8	29.5	9.2	7.99	43.49	17.68	13.7	77.50

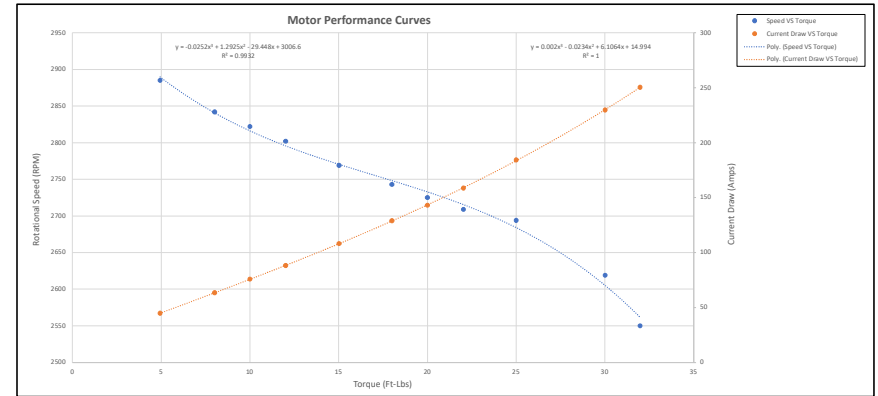
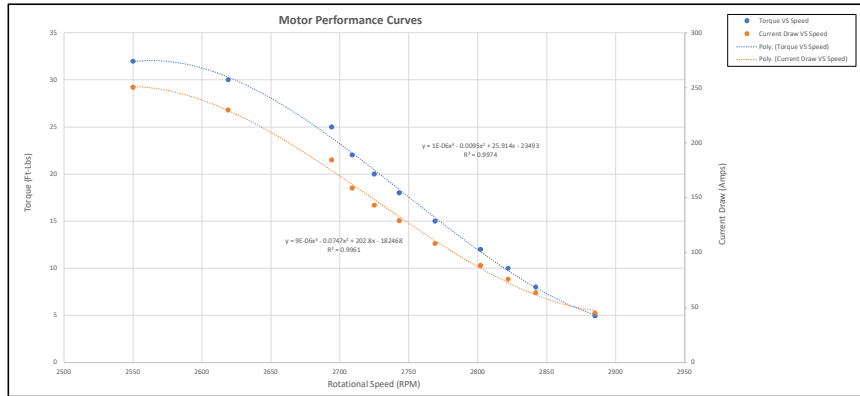
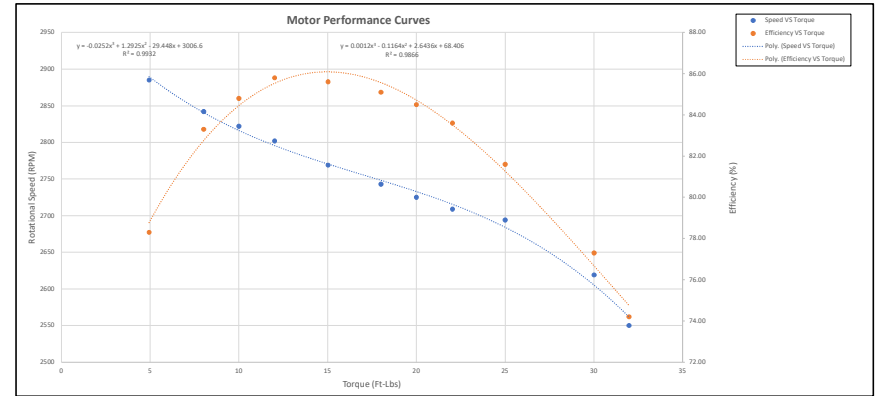
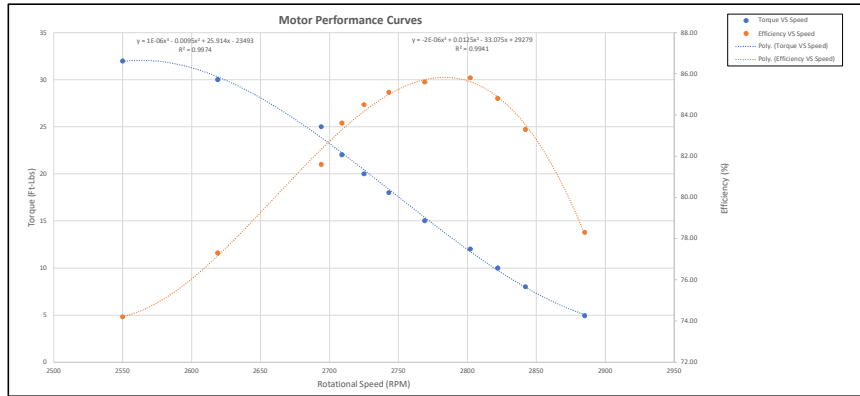


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage (V): 72 - (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 (%)
4.94	2885	71.1	34.8	11.2	9.99	44.79	3.47	2.72	78.30
8.01	2842	70.5	33.8	11.3	9.96	43.86	5.2	4.33	83.30
10	2822	70.1	65.9	11.3	9.94	75.94	6.34	5.37	84.80
12.01	2802	69.7	78.3	11.3	9.97	88.27	7.47	6.41	85.80
15.02	2769	69.2	98.2	11.4	9.97	108.17	9.25	7.92	85.60
18	2743	68.4	118.9	11.4	9.99	128.89	11.06	9.41	85.10
20	2725	68	133.1	11.4	9.95	143.05	12.28	10.38	84.50
22.03	2709	67.4	148.7	11.5	9.98	158.68	13.59	11.36	83.60
25	2694	66.6	174.3	11.5	9.99	184.29	15.73	12.83	81.60
30.01	2619	65.1	200	11.6	9.79	229.79	19.36	14.96	77.30
31.98	2550	64.5	240.3	11.6	10.13	250.43	20.93	15.53	74.20

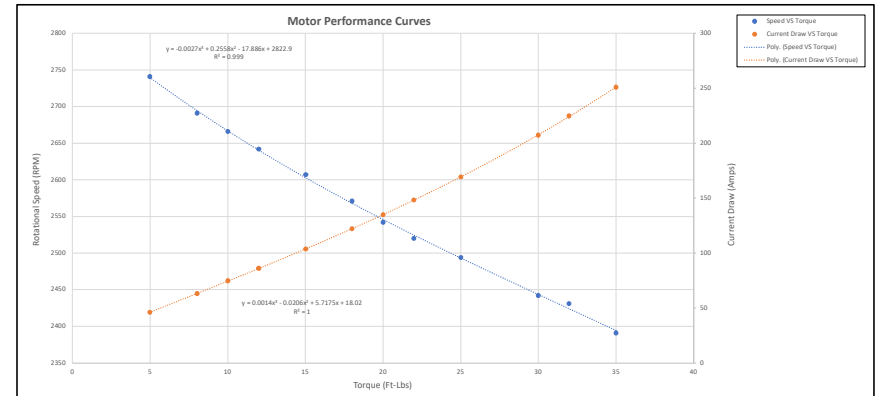
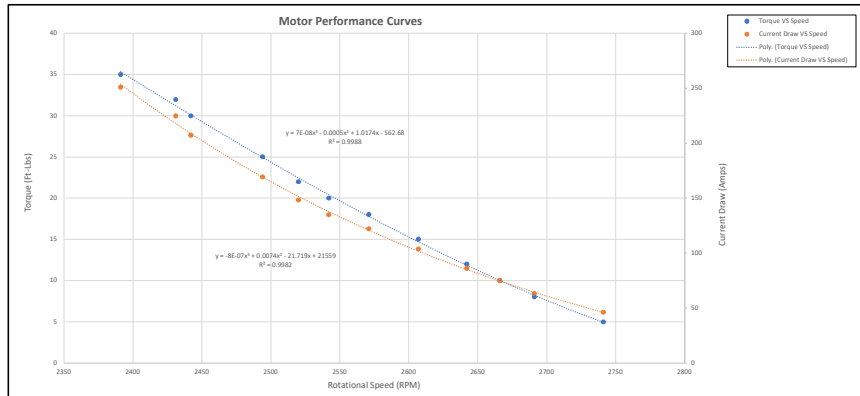
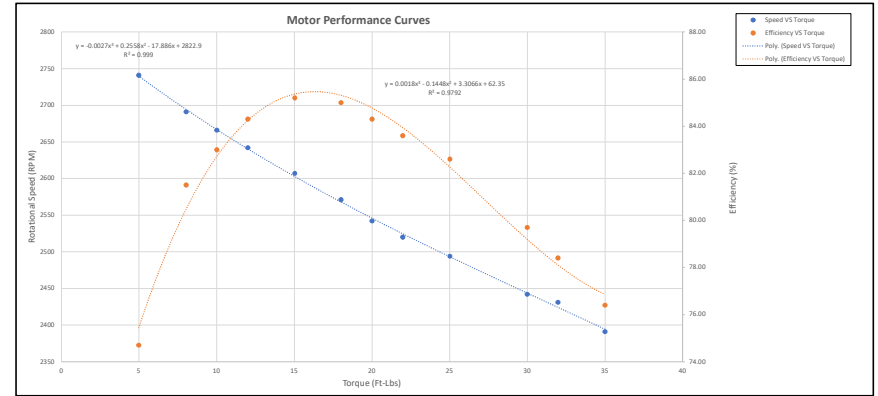
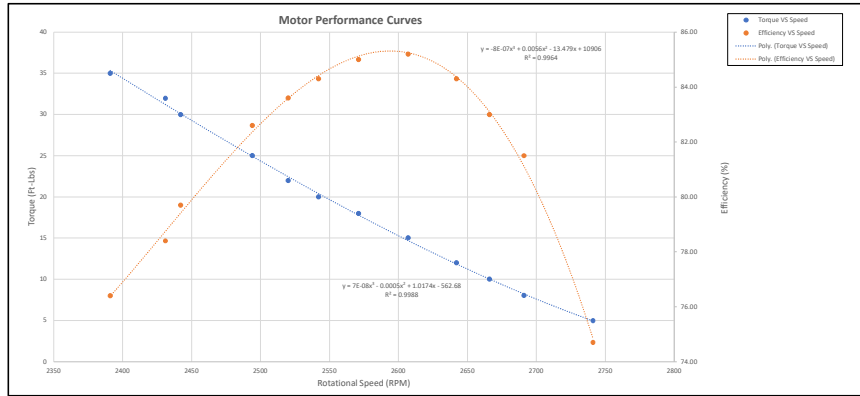


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage (V): 72 - (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 (%)
4.98	2741	71.1	34.2	13.6	11.99	46.19	3.48	2.6	74.70
8.03	2691	70.6	31.8	13.6	11.98	43.98	5.05	4.11	81.50
10.01	2666	70.2	32.7	13.7	12	44.7	6.12	5.08	83.00
12	2642	69.8	34.2	13.8	11.97	46.17	7.16	6.04	84.30
15.02	2607	69.3	31.8	13.8	11.96	43.76	8.75	7.46	85.20
18	2571	68.7	29.2	13.9	12.01	42.21	10.37	8.81	85.00
20	2542	68.3	23	14	11.92	34.92	11.48	9.68	84.30
21.98	2520	67.9	18.3	14	12.03	30.33	12.62	10.55	83.60
25.01	2494	67.2	15.3	14.1	11.92	27.22	14.38	11.88	82.60
28.99	2442	66	10.1	14.1	12.14	22.24	17.49	13.84	79.20
31.97	2431	65.4	212.8	14.2	12	224.8	18.88	14.8	78.40
35	2391	64.5	238.9	14.3	12.02	250.92	20.86	15.93	76.40

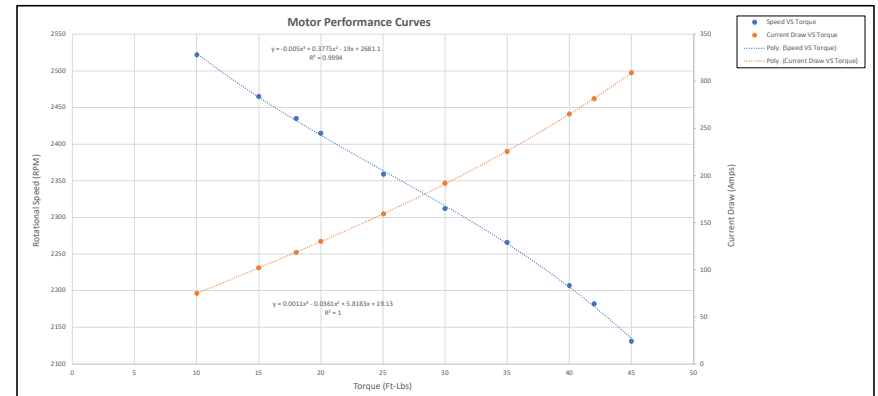
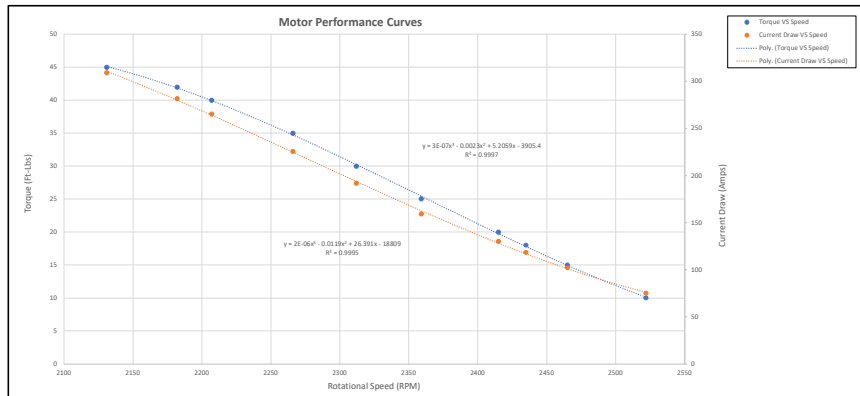
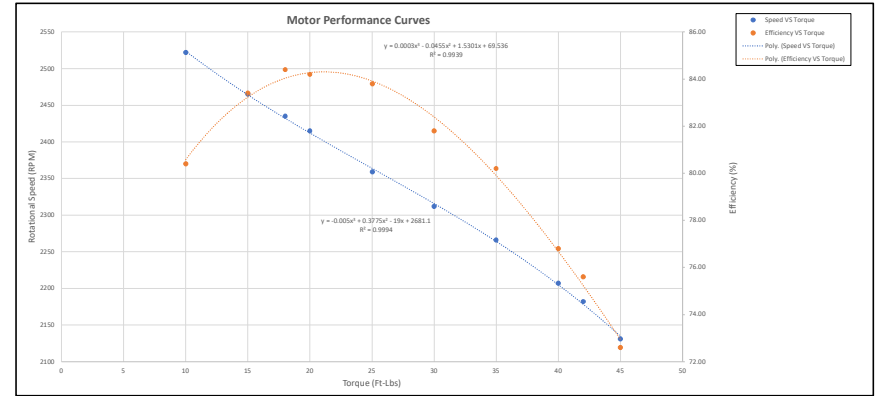
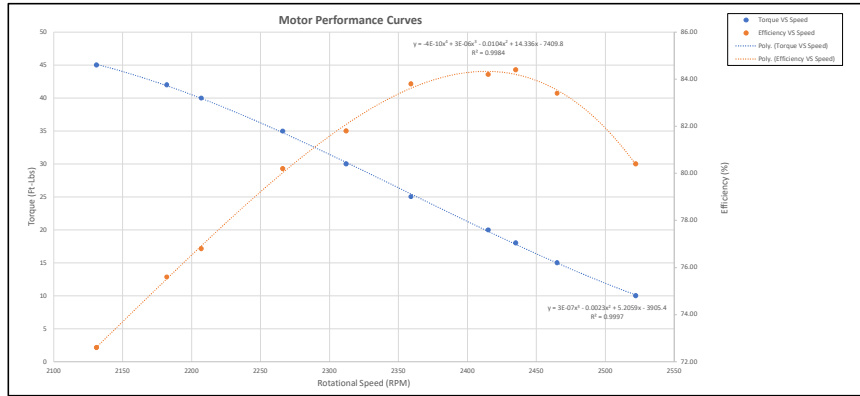


Engineering Performance Test Report

Performance Spec (PS) Number: 68

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 (%)
10.01	2522	70.3	59.9	16.7	15.03	74.93	5.98	4.81	80.40
15	2465	69.5	67	16.8	15.08	102.08	6.44	7.04	83.40
18.01	2435	69	103.3	16.9	15.04	118.34	9.89	8.35	84.40
19.99	2415	68.6	115.1	17.1	15.01	130.11	10.92	9.19	84.20
25.03	2359	67.6	144.3	17.2	14.95	159.25	13.42	11.24	83.80
29.99	2312	66.6	175.9	17.3	15	191.9	16.14	13.2	81.80
34.98	2266	65.5	210.5	17.4	15.04	225.54	18.82	15.09	80.20
39.99	2207	64.2	250.3	17.5	15.01	265.31	21.89	16.8	76.80
41.99	2182	63.6	266.7	17.7	14.93	281.63	23.08	17.44	75.60
44.99	2131	62.9	294.3	17.8	14.88	309.11	25.15	18.25	72.60

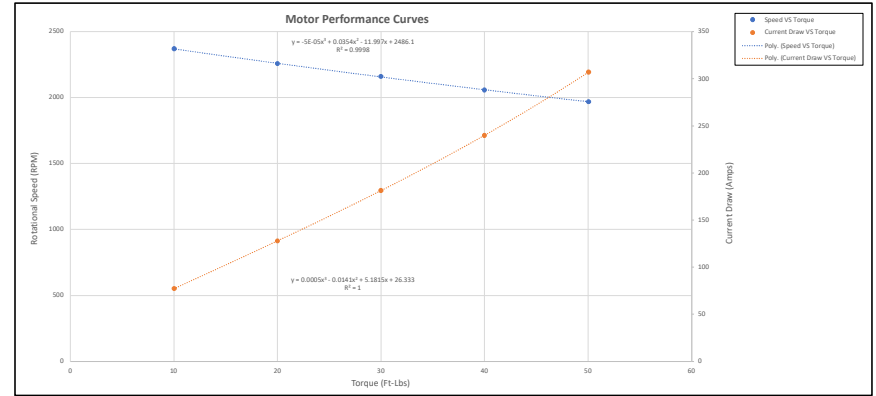
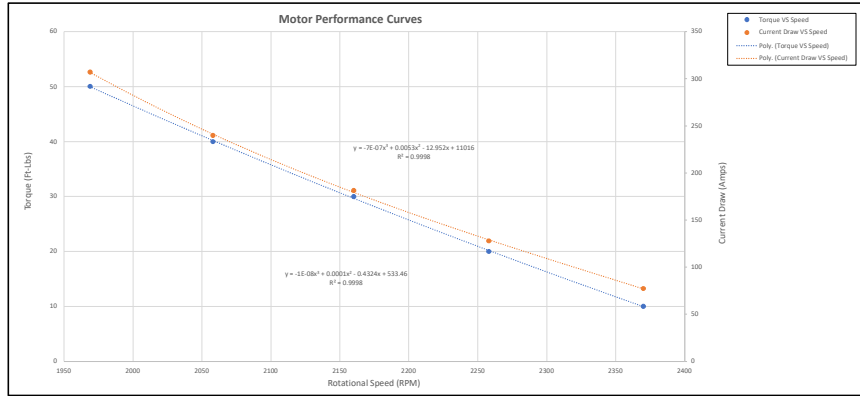
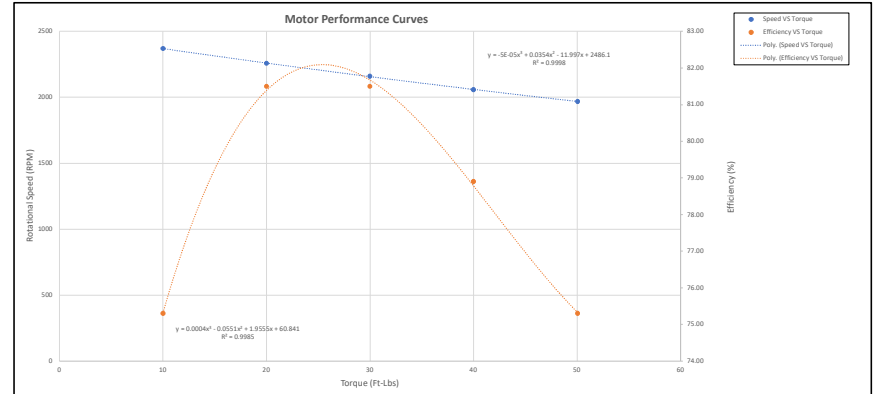
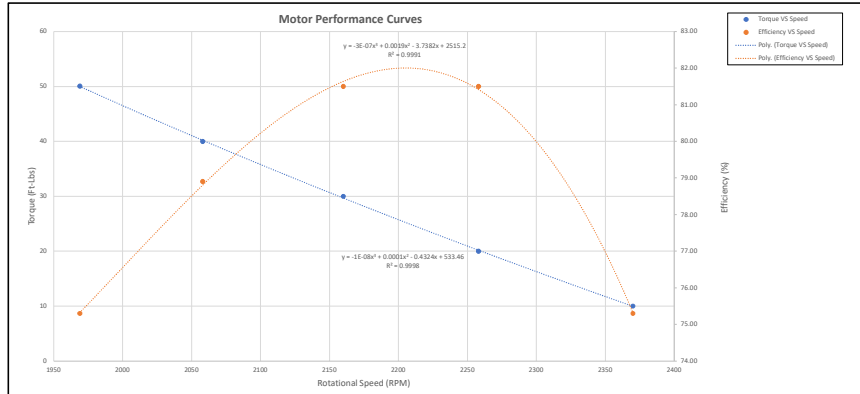


Engineering Performance Test Report

Performance Spec (PS) Number: 68

System Voltage (V): 72 - (I² * 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 (%)
10.01	2370	70.4	57.3	22.5	19.96	77.26	6.01	4.52	75.30
19.99	2258	68.8	107.8	22.8	20.02	127.81	10.55	8.6	81.50
29.98	2140	67.1	161.4	23.1	19.92	181.31	15.14	12.33	81.50
39.98	2058	65.3	219.8	23.4	20.03	239.83	19.85	15.66	78.90
50.04	1969	63.1	287.1	23.7	20	307.1	24.92	18.76	75.30



Engineering Performance Test Report

Performance Spec (PS) Number: 68

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 (%)
14.98	2218	69.7	79.3	28.5	24.97	104.27	8.36	6.33	75.70
19.99	2167	69	103.4	28.1	25.01	128.41	10.51	8.25	78.43
30	2063	67.3	154	29.7	24.93	178.93	14.89	11.78	79.20
39.99	1955	65.6	207.7	30.2	24.91	232.61	19.28	14.88	77.20
49.96	1851	63.9	267.2	30.8	25.24	292.44	23.93	17.61	73.60
59.95	1756	61.8	334.4	31.3	25.17	359.57	28.74	20.05	69.80

