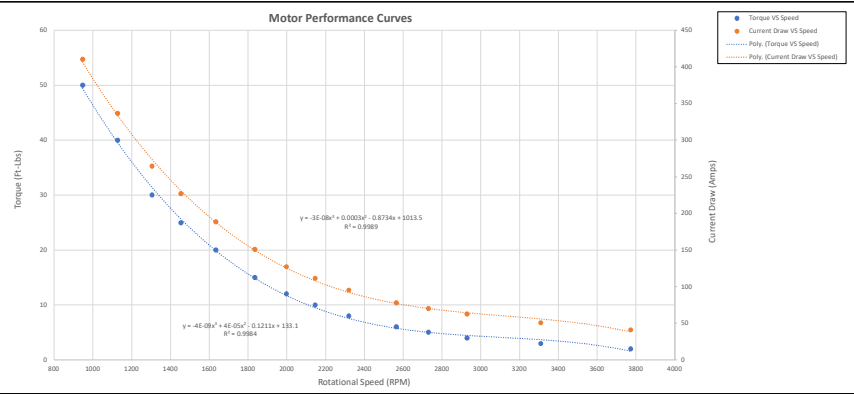
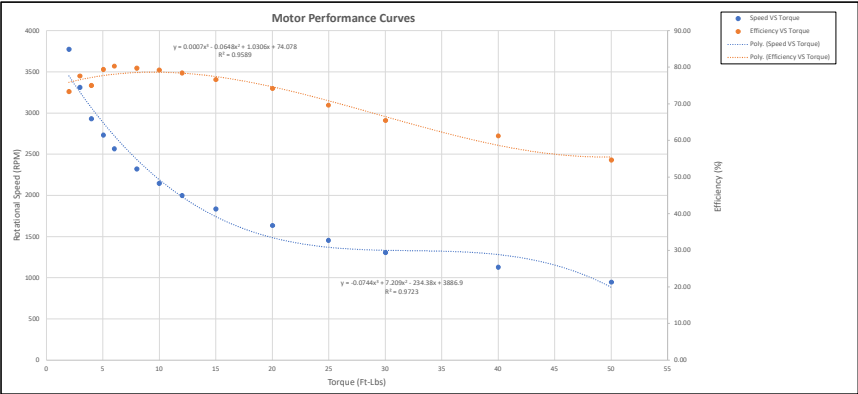
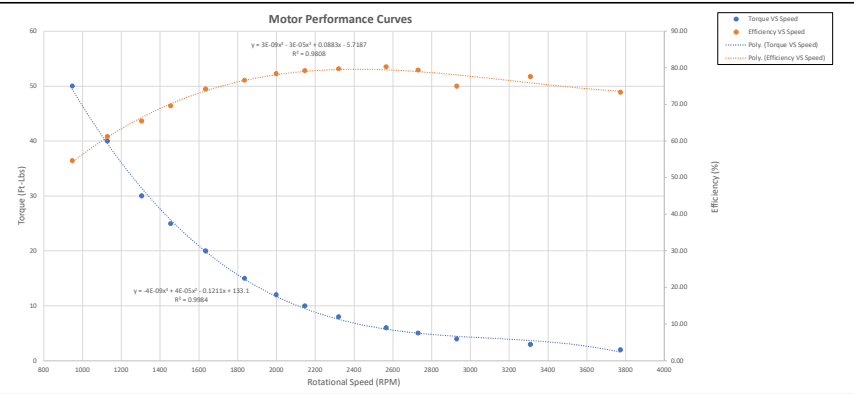


Engineering Performance Test Report

Performance Spec (PS) Number: 28

System Voltage (V): 36 - 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 (%)
1.99	3773	35.6	40.9	0	0	40.9	1.95	1.43	73.33
2.97	3598	35.5	50.7	0	0	50.7	2.41	1.87	77.58
3.98	2929	35.3	62.7	0	0	62.7	2.96	2.22	75.00
5.04	2730	35.1	70	0	0	70	3.3	2.62	79.39
6.01	2545	35	77.8	0	0	77.8	3.65	2.93	80.27
8	2320	34.7	95.2	0	0	95.2	4.44	3.54	79.73
9.98	2146	34.5	111.3	0	0	111.3	5.15	4.08	79.22
12.01	1998	34.2	127.1	0	0	127.1	5.83	4.57	78.39
15	1835	33.8	150.9	0	0	150.9	6.84	5.24	76.61
20.01	1634	33.2	188.5	0	0	188.5	8.4	6.23	74.17
24.97	1454	32.7	226.8	0	0	226.8	9.94	6.92	69.62
30.02	1305	32.1	264.6	0	0	264.6	11.4	7.46	65.44
40	1129	31.1	336.6	0	0	336.6	14.03	8.59	61.22
50.01	947	30	410.3	0	0	410.3	16.51	9.02	54.63



Engineering Performance Test Report

Performance Spec (PS) Number: 28

System Voltage (V): 48 - (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 (%)
3.02	4343	47.5	50.6	0	0	50.6	3.22	2.49	77.33
3.99	3952	47.3	60.5	0	0	60.5	3.83	3.01	78.58
5.01	3676	47.2	69.7	0	0	69.7	4.41	3.51	79.59
6	3467	47	78.3	0	0	78.3	4.94	3.96	80.16
8.01	3170	46.7	95.5	0	0	95.5	5.98	4.84	80.94
10.04	2940	46.5	111.5	0	0	111.5	6.94	5.62	80.98
11.97	2773	46.2	127.9	0	0	127.9	7.91	6.32	79.90
14.96	2553	45.7	151.8	0	0	151.8	9.3	7.27	78.17
17.99	2391	45.3	174.3	0	0	174.3	10.59	8.19	77.34
20.01	2307	45.1	189.6	0	0	189.6	11.46	8.79	76.70
24.95	2098	44.5	225.3	0	0	225.3	13.45	9.96	74.05
30.02	1961	44	262.5	0	0	262.5	15.48	11.21	72.42
40.02	1558	42.6	338.8	0	0	338.8	19.37	12.63	65.20
50.07	1508	41.7	409	0	0	409	22.87	14.37	62.83
65.01	1242	40.2	523.3	0	0	523.3	28.17	15.37	54.56

