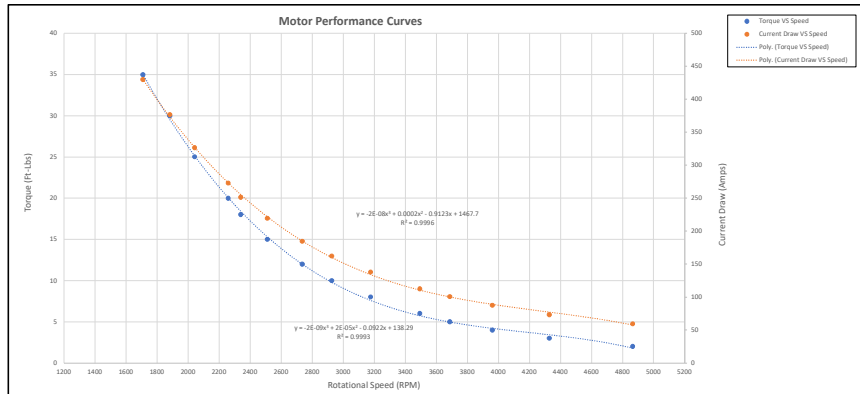
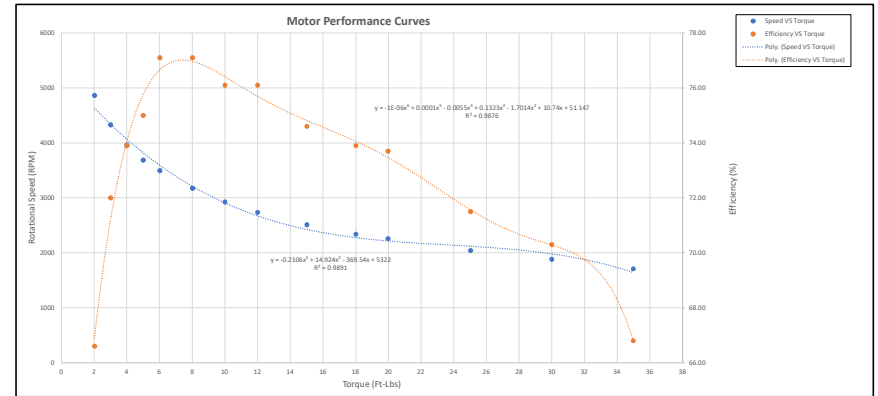
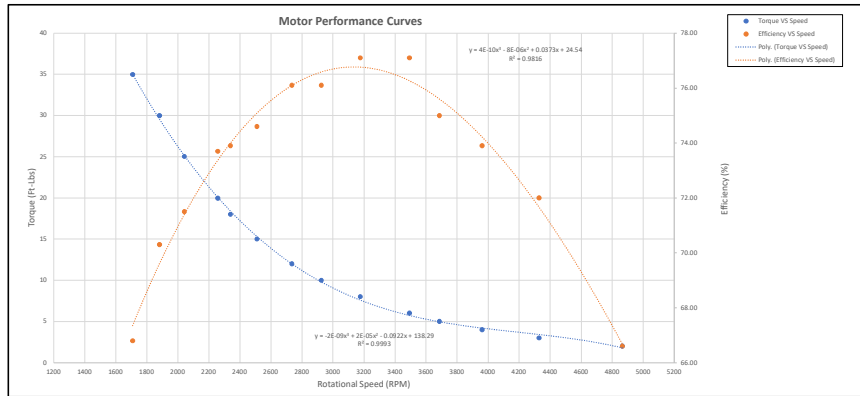


**Engineering Performance Test Report**

Performance Spec (PS) Number: 22  
 System Voltage (V): 36 - (1 \* 0.015)

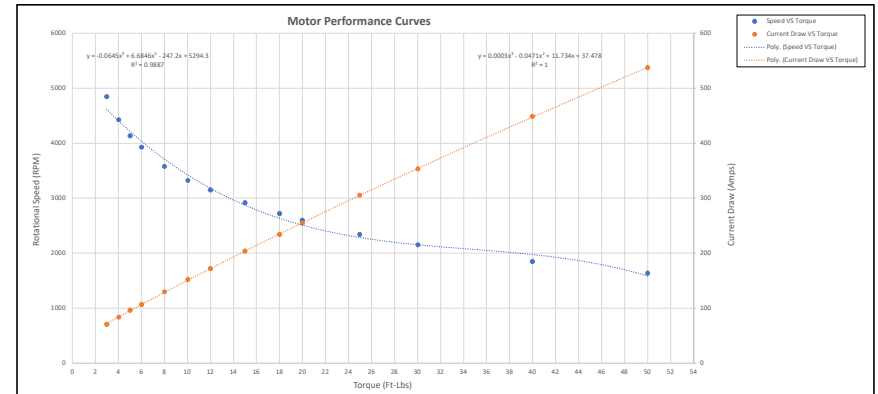
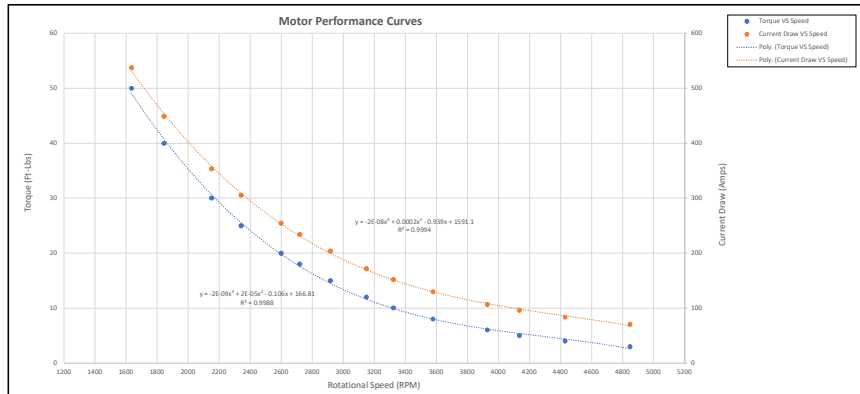
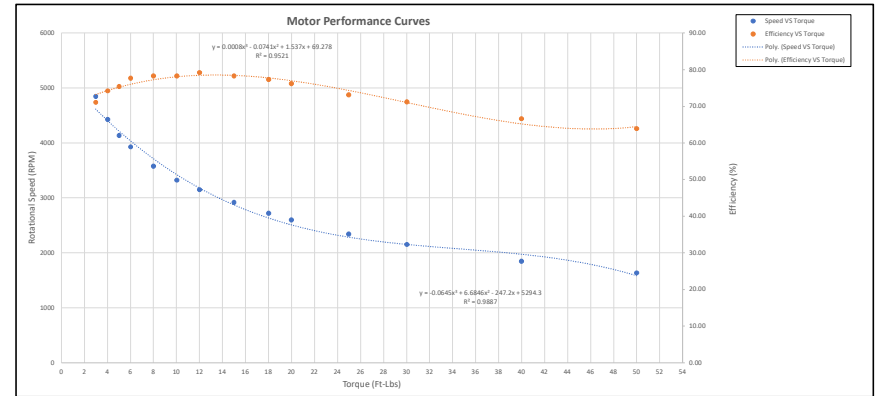
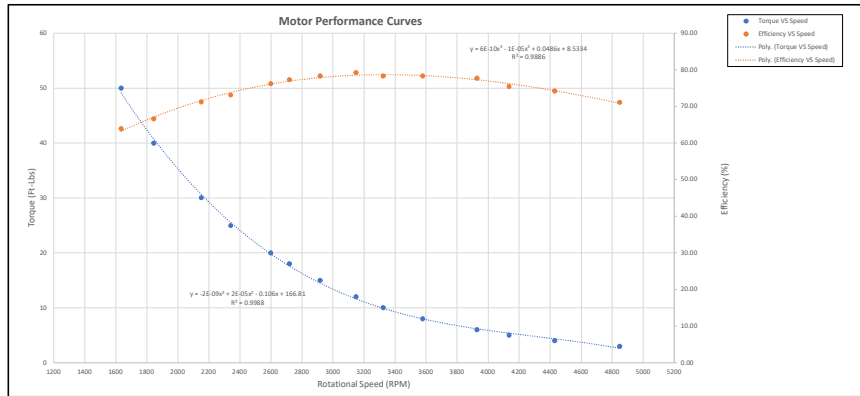
Torque (Ft-Lbs)	Speed (RPM)	Applied Voltage (Volts)	Armature Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
2.02	4865	35.3	59.5	0	0	59.5	2.81	1.87	66.60
3.01	4328	35	73.3	0	0	73.3	3.44	2.48	72.00
4	3961	34.8	87.6	0	0	87.6	4.09	3.02	73.90
5	3686	34.6	100.7	0	0	100.7	4.67	3.51	75.00
6.02	3493	34.5	112.5	0	0	112.5	5.2	4	77.10
8.02	3176	34	137.9	0	0	137.9	6.39	4.85	77.10
10	2925	33.6	162.3	0	0	162.3	7.32	5.57	76.10
12	2735	33.2	184.7	0	0	184.7	8.22	6.25	76.10
15.01	2510	32.7	215.5	0	0	215.5	9.61	7.17	74.60
18.01	2339	32.2	251.3	0	0	251.3	10.95	8.02	73.90
19.98	2258	31.9	272.9	0	0	272.9	11.66	8.59	73.70
25.03	2042	31.1	326.7	0	0	326.7	13.61	9.73	71.50
29.99	1882	30.3	376.8	0	0	376.8	15.28	10.75	70.30
34.98	1709	29.6	430	0	0	430	17.04	11.39	66.80



**Engineering Performance Test Report**

Performance Spec (PS) Number: 22  
 System Voltage (V): 42 - (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 (%)
2.98	4848	41.1	70.4	0	0	70.4	3.87	2.75	71.10
4.02	4428	40.9	83.8	0	0	83.4	4.57	3.39	74.20
5.01	4135	40.7	96.1	0	0	96.1	5.24	3.95	75.40
6.01	3928	40.5	106.6	0	0	106.6	5.78	4.49	77.70
8	3578	40.1	129.6	0	0	129.6	6.97	5.45	78.30
10.03	3323	39.8	152.1	0	0	152.1	8.11	6.34	78.30
12	3149	39.5	171.8	0	0	171.8	9.08	7.2	79.20
15	2917	39	203.6	0	0	203.6	10.64	8.33	78.30
18.01	2719	38.4	234.1	0	0	234.1	12.06	9.32	77.30
19.98	2599	38.1	254.4	0	0	254.4	13.09	9.89	76.20
24.97	2341	37.2	305.3	0	0	305.3	15.22	11.13	73.10
30.03	2151	36.5	353.3	0	0	353.3	17.27	12.3	71.20
39.98	1845	35.1	449	0	0	449	21.1	14.65	69.60
50	1635	33.8	537.6	0	0	537.6	24.34	15.57	63.90



**Engineering Performance Test Report**

Performance Spec (SP) Number: 22  
 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 (%)
2.02	4865	35.3	59.5	0	0	59.5	2.81	1.87	66.60
3.01	4328	35	73.3	0	0	73.3	3.44	2.48	72.00
4	3961	34.8	87.6	0	0	87.6	4.09	3.02	73.90
5	3686	34.6	100.7	0	0	100.7	4.67	3.51	75.00
6.02	3493	34.5	112.5	0	0	112.5	5.2	4	77.10
8.02	3176	34	137.9	0	0	137.9	6.39	4.85	77.10
10	2925	33.6	162.3	0	0	162.3	7.32	5.57	76.10
12	2735	33.2	184.7	0	0	184.7	8.22	6.25	76.10
15.01	2510	32.7	215.5	0	0	215.5	9.61	7.17	74.60
18.01	2339	32.2	251.3	0	0	251.3	10.95	8.02	73.90
19.98	2258	31.9	272.9	0	0	272.9	11.66	8.59	73.70
25.03	2042	31.1	326.7	0	0	326.7	13.61	9.73	71.50
29.99	1882	30.3	376.8	0	0	376.8	15.28	10.75	70.30
34.98	1709	29.6	430	0	0	430	17.04	11.39	66.80

