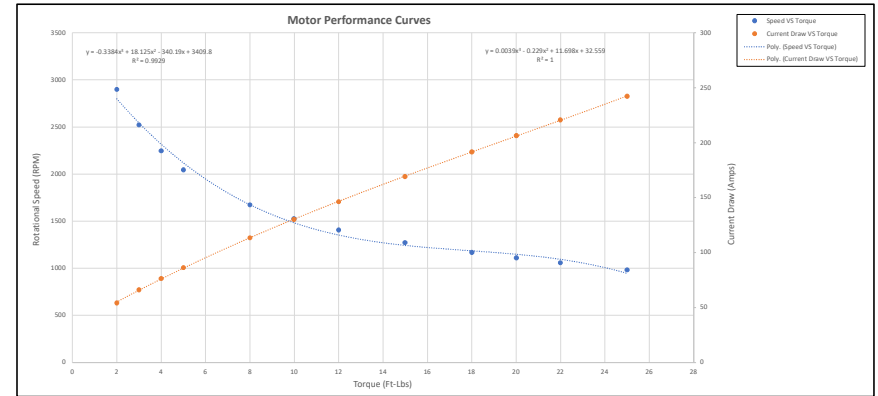
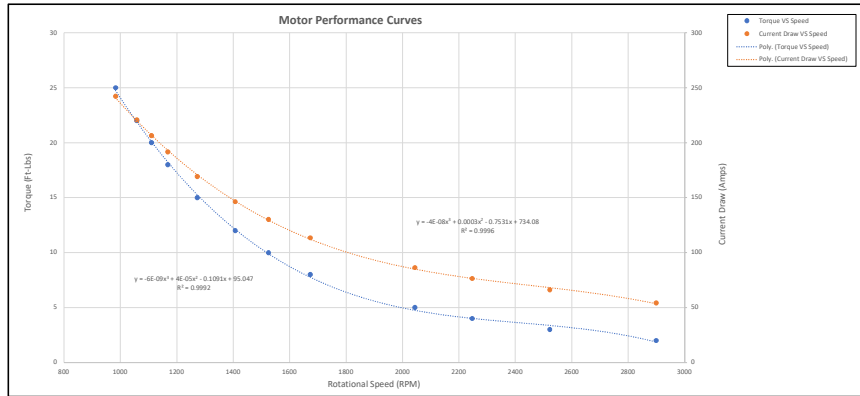
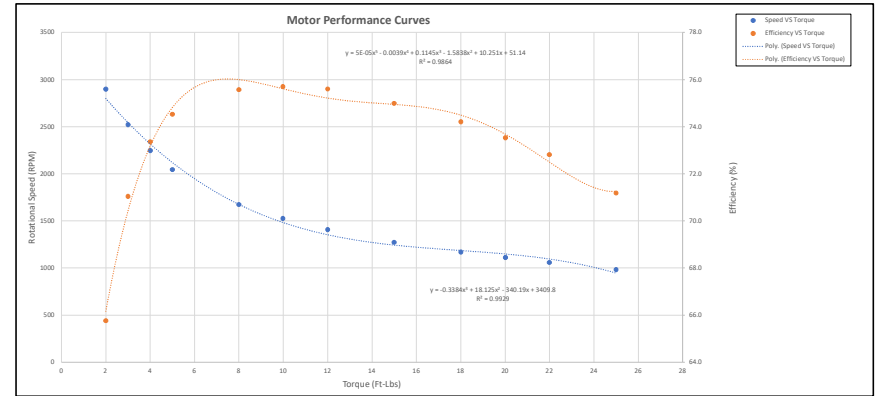
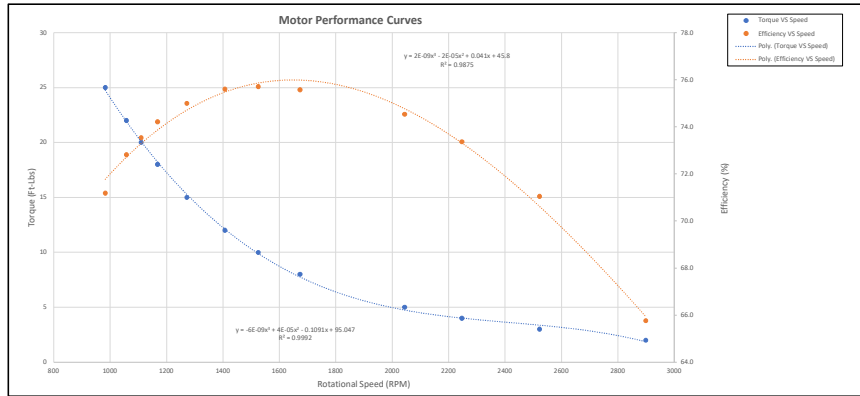


Engineering Performance Test Report

Performance Specification (PS): 26
 System Voltage (V): 24 (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	2899	23.08	54.2	0	0	54.2	1.68	1.1	65.8
3	2522	22.9	65.8	0	0	65.8	2.03	1.44	71.0
4	2247	22.74	76.4	0	0	76.4	2.33	1.71	73.4
5	2044	22.6	86.3	0	0	86.3	2.61	1.95	74.5
8	1673	22.19	113.4	0	0	113.4	3.37	2.55	75.6
9.98	1525	21.93	130.2	0	0	130.2	3.83	2.9	75.7
12	1407	21.69	146.3	0	0	146.3	4.25	3.21	75.6
14.99	1272	21.34	169.2	0	0	169.2	4.84	3.63	75.0
18	1168	21	191.6	0	0	191.6	5.39	4	74.2
20.01	1105	20.78	206.4	0	0	206.4	5.75	4.23	73.5
21.99	1058	20.56	220.7	0	0	220.7	6.08	4.43	72.8
25	983	20.24	242.2	0	0	242.2	6.57	4.68	71.2

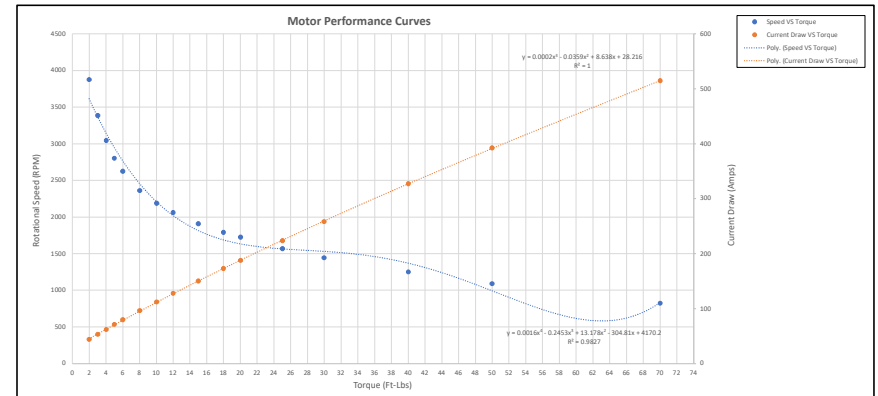
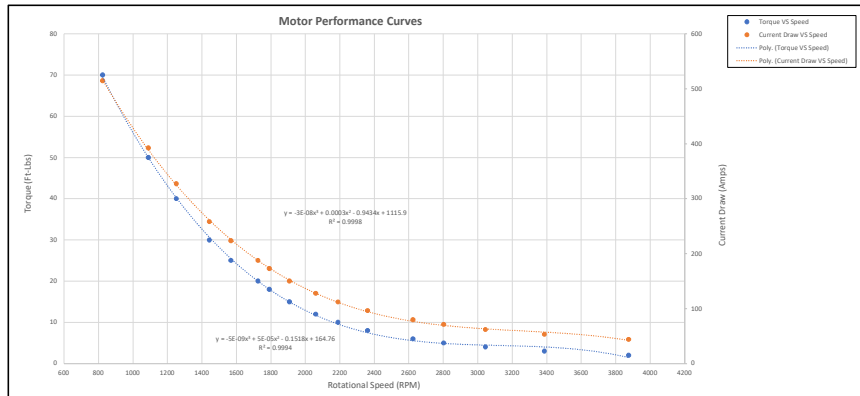
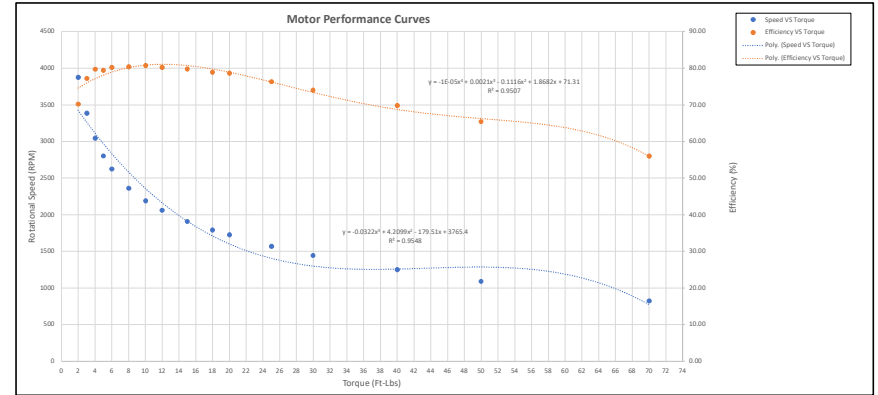
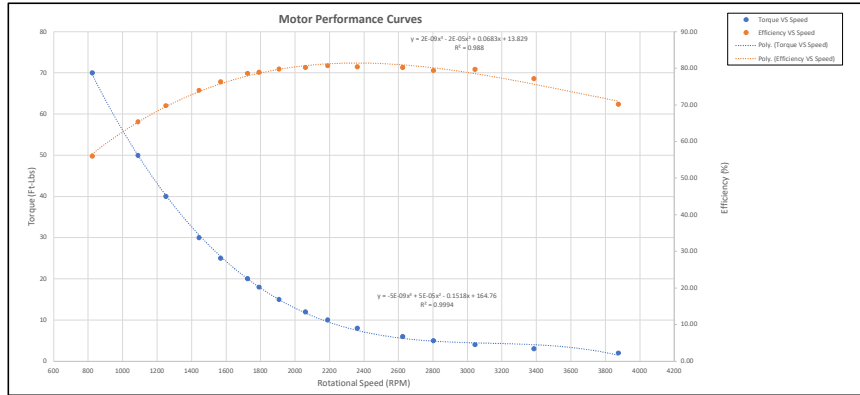


Engineering Performance Test Report

Performance Specification (PS): 26

System Voltage (V): 36 (V ± 0.015)

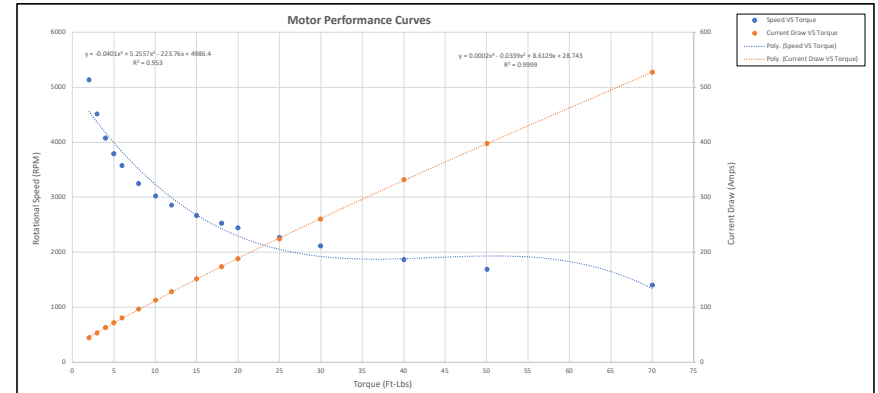
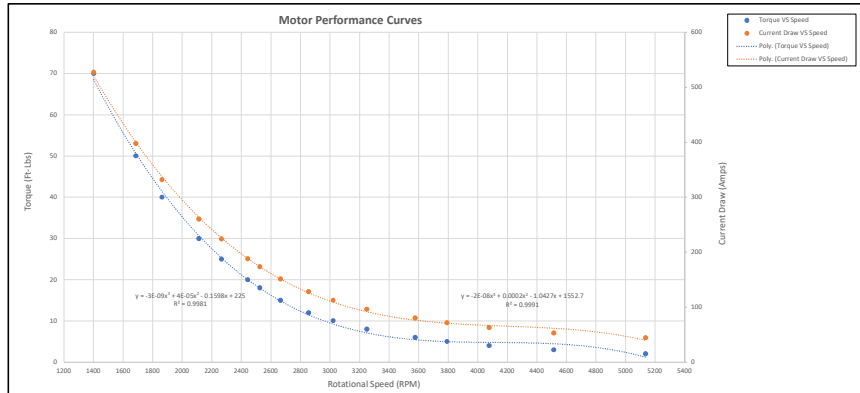
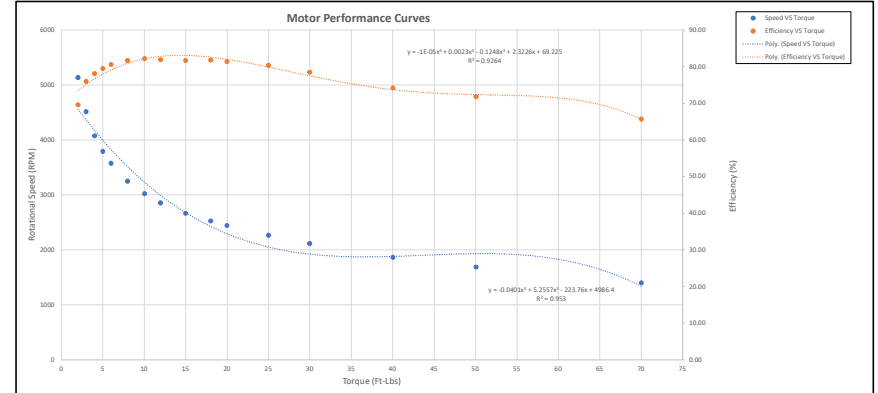
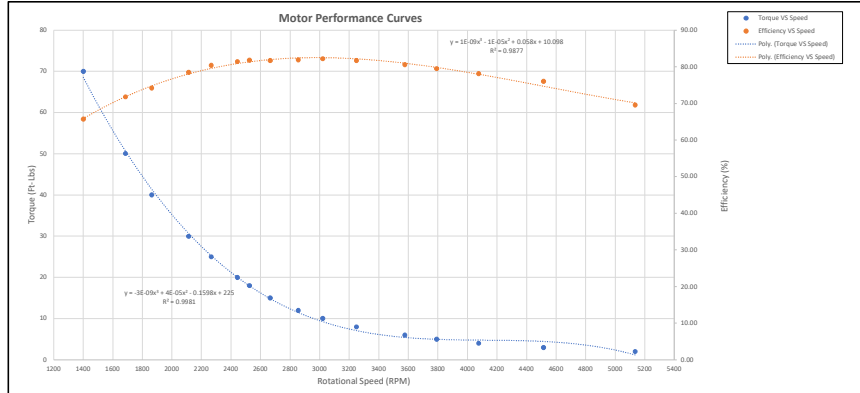
Torque (Ft-Lbs)	Speed (RPM)	Analog Voltage (Volts)	Analog Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
1.99	3875	35.5	43.9	0	0	43.9	2.09	1.47	70.20
3.02	3386	35.4	53.2	0	0	53.2	2.52	1.95	77.20
4.03	3044	35.2	62	0	0	62	2.93	2.33	79.20
4.99	2802	35.1	71.2	0	0	71.2	3.35	2.66	79.40
6	2624	35	79.7	0	0	79.7	3.74	3	80.20
8.02	2361	34.7	96.3	0	0	96.3	4.48	3.61	80.60
10.03	2189	34.5	112	0	0	112	5.18	4.18	80.70
11.99	2060	34.2	127.8	0	0	127.8	5.86	4.7	80.20
14.99	1907	33.9	150.2	0	0	150.2	6.82	5.44	79.80
17.99	1791	33.5	173	0	0	173	7.76	6.13	78.90
20.02	1725	33.3	187.7	0	0	187.7	8.37	6.58	78.60
25.02	1568	32.7	223.6	0	0	223.6	9.79	7.47	76.30
29.97	1443	32.1	258.3	0	0	258.3	11.13	8.23	74.00
40.01	1251	31.1	327.3	0	0	327.3	13.65	9.53	69.80
49.98	1089	30.1	392.4	0	0	392.4	15.85	10.37	65.40
70.01	824	28.4	514.7	0	0	514.7	19.62	10.99	56.00



Engineering Performance Test Report

Performance Specification (PS): 26
 System Voltage (V): 48 (V ± 0.015)

Torque (Ft-Lbs)	Speed (RPM)	Armature Voltage (Volts)	Armature Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
2	5135	47.6	44.1	0	0	44.1	2.81	1.96	69.60
2.97	4515	47.4	52.9	0	0	52.9	3.37	2.56	76.00
4	4076	47.2	62.8	0	0	62.8	3.98	3.11	78.10
4.99	3792	47.1	71.7	0	0	71.7	4.53	3.6	79.50
5.98	3576	47	80.3	0	0	80.3	5.06	4.07	80.60
7.98	3249	46.7	95.4	0	0	95.4	6.04	4.93	81.70
10.04	3021	46.5	112.6	0	0	112.6	7.02	5.77	82.20
11.97	2855	46.3	128.2	0	0	128.2	7.95	6.51	81.90
14.99	2665	45.9	151.2	0	0	151.2	9.3	7.6	81.70
18.01	2525	45.5	173.5	0	0	173.5	10.50	8.66	81.90
19.98	2443	45.3	188.1	0	0	188.1	11.42	9.29	81.40
24.99	2266	44.6	224	0	0	224	13.41	10.78	80.40
29.96	2113	44	260.3	0	0	260.3	15.35	12.66	78.50
40.02	1863	42.9	332.1	0	0	332.1	19.12	14.19	74.20
50.06	1686	42	397.8	0	0	397.8	22.39	16.07	71.80
70.01	1401	40.2	527.5	0	0	527.5	28.42	18.67	65.70



Engineering Performance Test Report

Performance Specification (PS): 26

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 (%)
5.02	5770	69.8	73	0	0	73	6.83	5.52	80.90
8	5000	69.1	97.6	0	0	97.6	9.04	7.62	84.26
10.01	4680	68.6	114	0	0	114	10.48	8.92	85.10
11.99	4424	68.1	130	0	0	130	11.86	10.1	85.50
15.02	4132	67.3	153.9	0	0	153.9	13.99	11.82	85.10
20.02	3765	66.2	192.7	0	0	192.7	17.1	14.95	87.90
24.95	3494	65.1	230.5	0	0	230.5	20.11	16.61	82.60
30.02	3275	63.9	268.5	0	0	268.5	23.04	18.72	81.20

