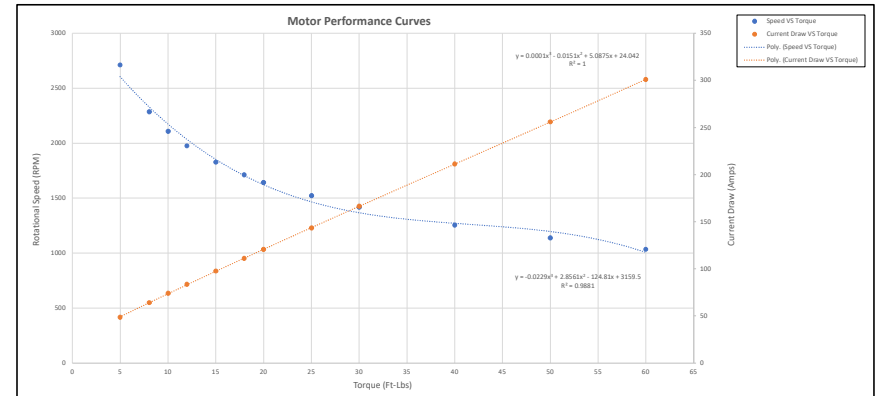
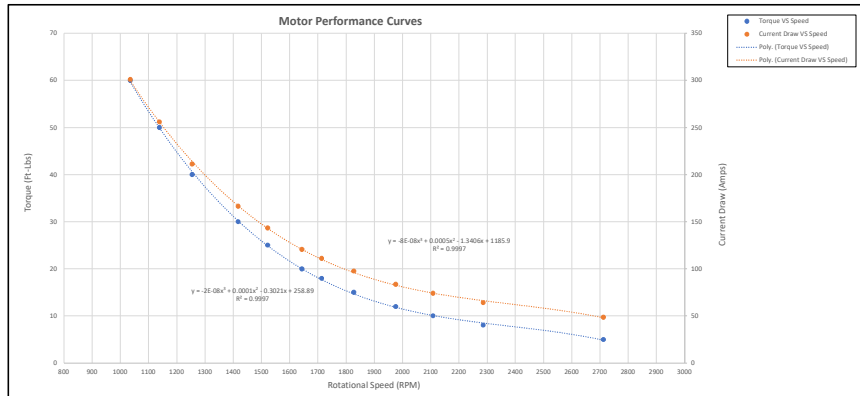
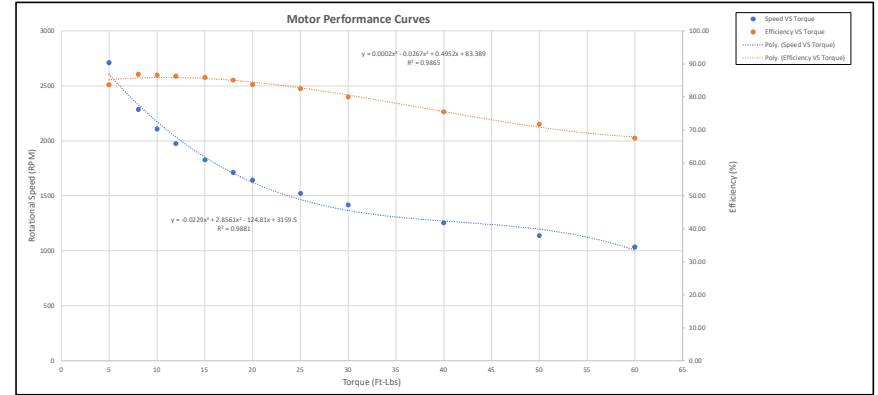
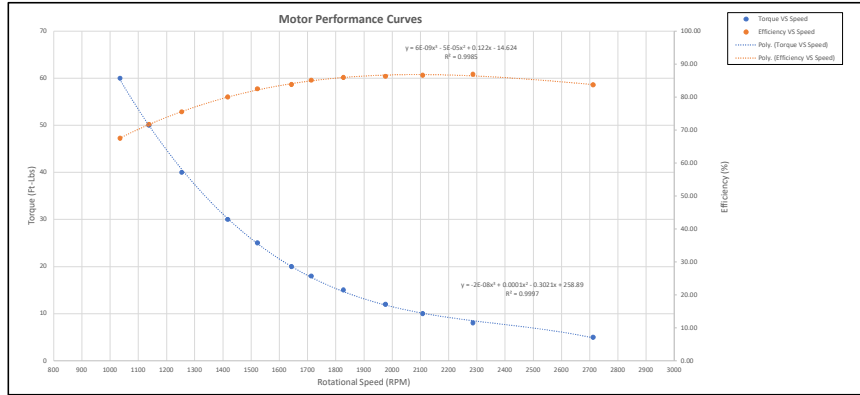


Engineering Performance Test Report

Performance Spec (SP) Number: 16

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 (%)
4.98	2712	47.2	48.6	0	0	48.6	3.07	2.57	83.70
8.04	2286	47	54	0	0	54	4.03	3.5	86.90
10.01	2108	46.8	73.9	0	0	73.9	4.64	4.02	86.60
11.97	1976	46.7	83.5	0	0	83.5	5.22	4.5	86.30
15.01	1827	46.5	97.6	0	0	97.6	6.08	5.22	85.90
17.97	1723	46.3	111	0	0	111	6.89	5.86	85.10
19.99	1643	46.1	120.6	0	0	120.6	7.46	6.25	83.80
25.02	1522	45.7	143.3	0	0	143.3	8.79	7.25	82.50
30	1417	45.4	166.4	0	0	166.4	10.12	8.1	80.00
40	1324	44.7	211.2	0	0	211.2	12.65	9.55	75.50
50	1138	44	256	0	0	256	15.11	10.84	71.70
59.99	1035	43.4	301	0	0	301	17.52	11.83	67.50



Engineering Performance Test Report

Performance Spec (SP) Number: 16

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 (%)
5.01	3763	70.7	44.3	0	0	44.3	4.19	3.59	85.50
10.02	3026	69.8	71.1	0	0	71.1	6.66	5.76	86.50
14.97	2657	69.1	95.9	0	0	95.9	8.89	7.57	85.20
20.01	2426	68.4	119.3	0	0	119.3	10.94	9.24	84.50
30.01	2105	66.9	164.4	0	0	164.4	14.75	12.03	81.50
40.02	1887	65.5	209.4	0	0	209.4	18.36	14.89	78.20
50.04	1717	64.2	252.5	0	0	252.5	21.72	16.36	75.30
60.01	1566	62.8	298.1	0	0	298.1	25.1	17.89	71.30
69.95	1440	61.5	339.6	0	0	339.6	28	19.18	68.50
79.95	1356	60.3	378.7	0	0	378.7	30.59	20.64	67.50

