

MOTOR TEST SHEET

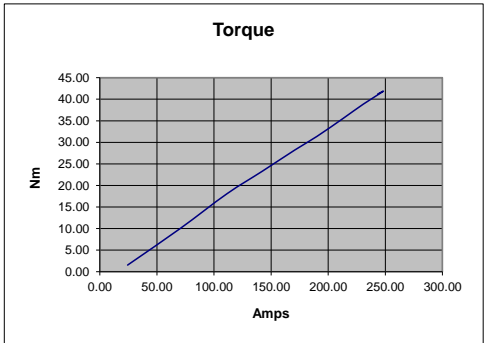
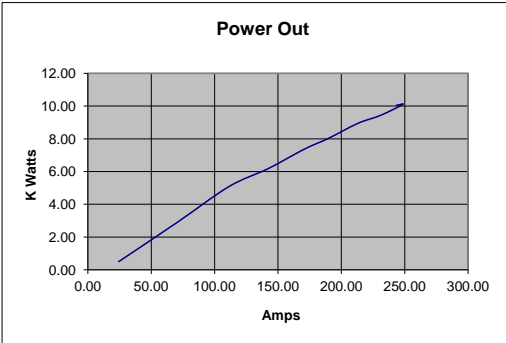
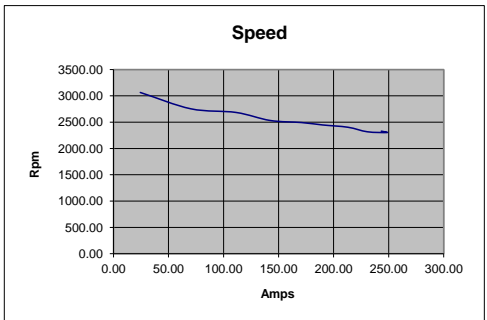
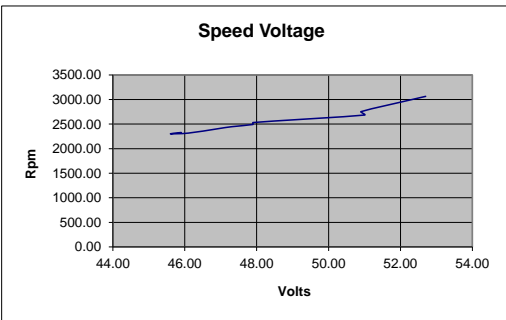
THE GRAPH SHOWN BELOW IS PRODUCED WITH THE BRUSH HOLDER SET IN THE NEUTRAL POSITION, IF YOU ROTATE THE BRUSH HOLDER AS PER INSTRUCTIONS IT IS POSSIBLE TO SET FOR MAXIMUM POWER AND EFFICIENCY FOR 1 DIRECTION ONLY

Motor: **12 POLE M** DoB **02/02/2023** Model **240**

1. Drive Ratio Opposite
2. Refer to sheet 1 for further details

Pulley Motor 44
Pulley Gen 48

Voltage Motor Volts	Current		Power In K Watts	Speed			Torque Nm	Power Out K Watts	Efficiency %
	Volts Shunt	Amps Shunt		Rpm Gen	Rpm Motor	Rad/s Motor			
52.70	7.30	24.33	1.28	2809.00	3064.36	320.90	1.54	0.49	38.54
50.90	21.10	70.33	3.58	2524.00	2753.45	288.34	10.01	2.89	80.62
51.00	33.40	111.33	5.68	2461.00	2684.73	281.14	18.08	5.08	89.52
47.90	42.70	142.33	6.82	2321.00	2532.00	265.15	23.31	6.18	90.66
47.90	51.20	170.67	8.17	2285.00	2492.73	261.04	28.21	7.36	90.08
47.30	57.00	190.00	8.99	2243.00	2446.91	256.24	31.36	8.04	89.41
46.90	63.90	213.00	9.99	2203.00	2403.27	251.67	35.54	8.94	89.54
46.10	69.20	230.67	10.63	2124.00	2317.09	242.65	38.85	9.43	88.65
45.60	74.50	248.33	11.32	2111.00	2302.91	241.16	41.85	10.09	89.13
45.90	73.00	243.33	11.17	2135.00	2329.09	243.90	41.19	10.05	89.95



Comments: