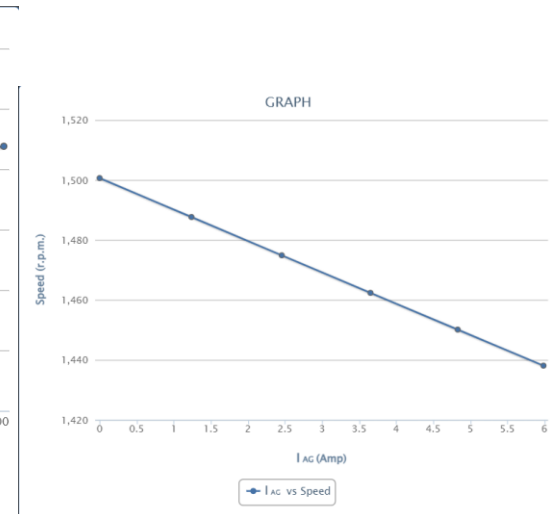
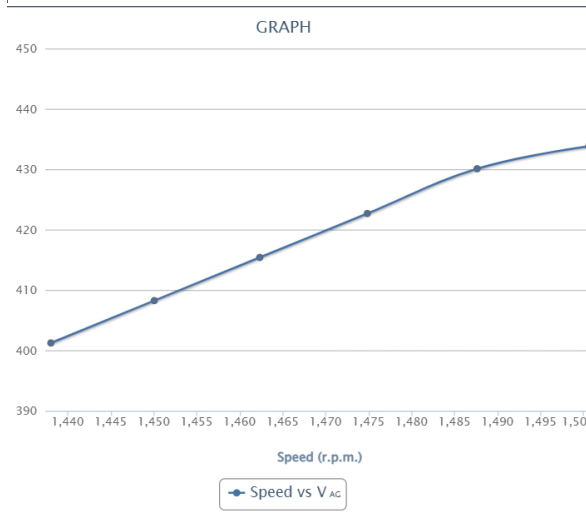
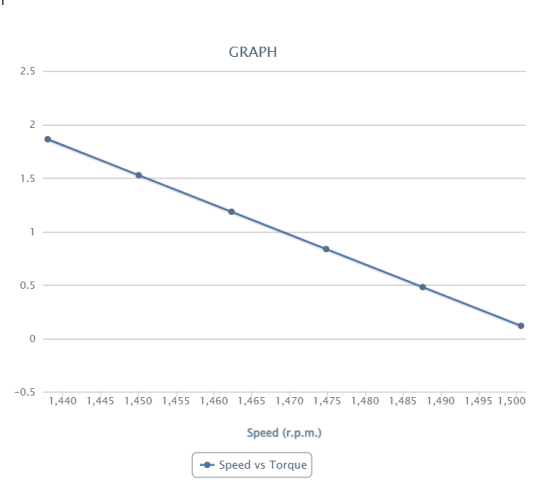
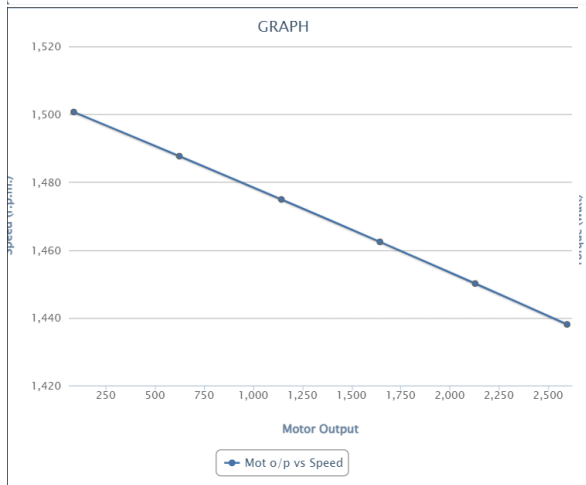
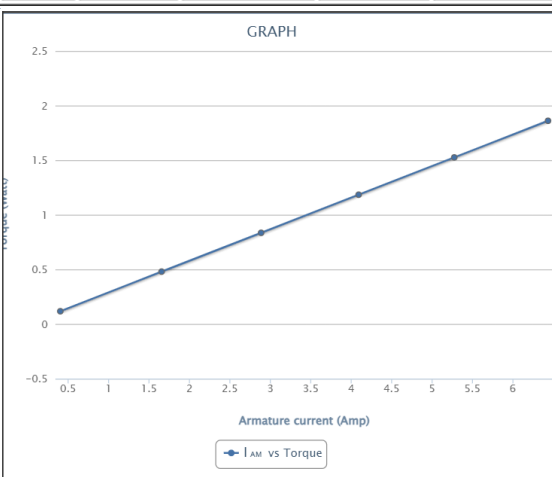
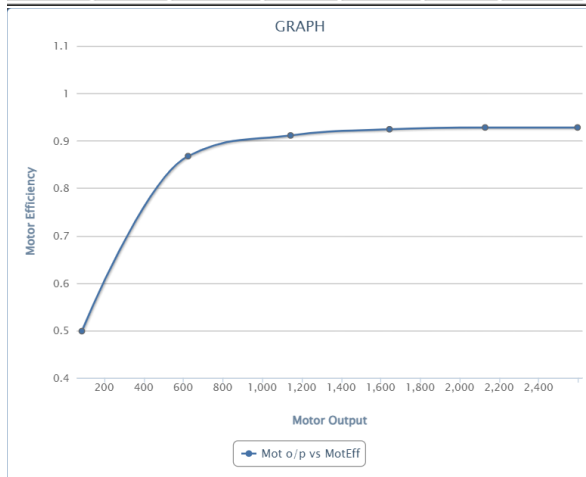
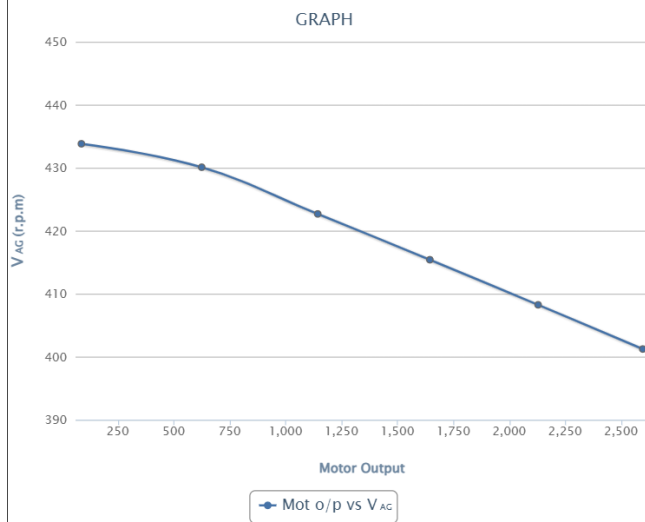
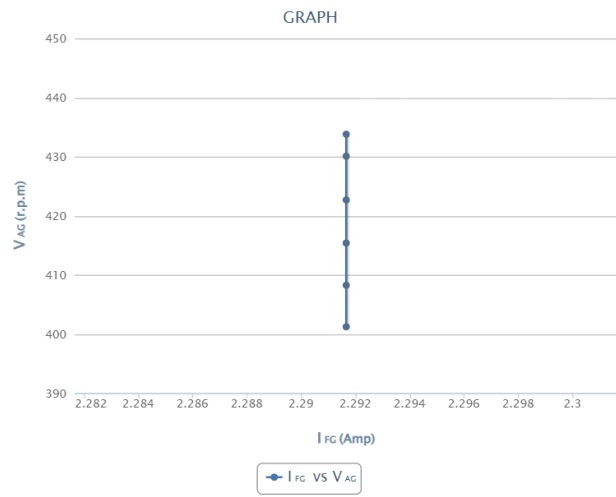
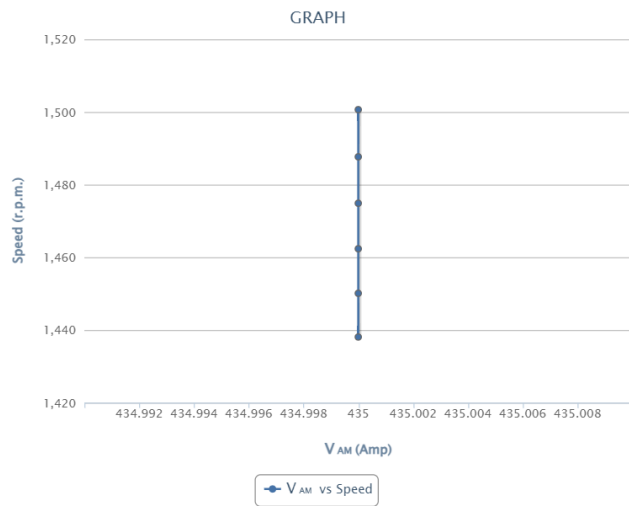
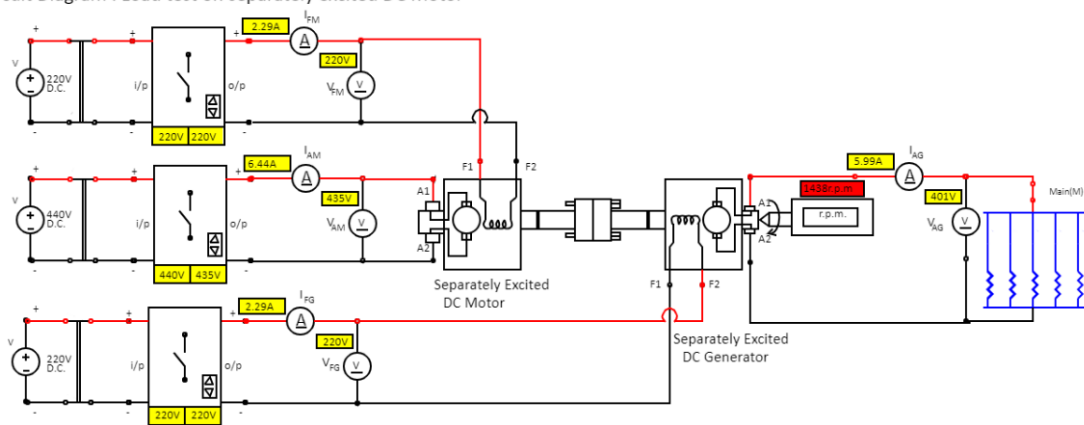


V_{FM} (Volt)	I_{FM} (Amp)	V_{AM} (Volt)	I_{AM} (Amp)	V_{FG} (Volt)	I_{FG} (Amp)	V_{AG} (Volt)	I_{AG} (Amp)	speed (r.p.m)	Motor o/p	Motor Eff	Torque
220	2.29	435	0.40	220	2.29	434	0.00	1501	87.51	0.50	0.12
220	2.29	435	1.66	220	2.29	430	1.24	1488	625.15	0.87	0.48
220	2.29	435	2.89	220	2.29	423	2.46	1475	1144.23	0.91	0.83
220	2.29	435	4.09	220	2.29	415	3.65	1462	1645.50	0.92	1.18
220	2.29	435	5.28	220	2.29	408	4.83	1450	2129.71	0.93	1.53
220	2.29	435	6.44	220	2.29	401	5.99	1438	2597.58	0.93	1.86





Circuit Diagram : Load test on separately excited DC Motor



Separately Excited DC Motor / Separately Excited DC Generator Ratings :

Field Voltage (max) = 220V
 Armature Voltage (max) = 440V
 Capacity = 5 HP
 DC Field Current(max) = 2.3 Amp
 Armature Current(max) = 9.5 Amp
 Speed = 1500-2000 R.P.M.

Abbreviations:

V_{FM} = Separately Excited DC Motor field voltage
 I_{FM} = Separately Excited DC Motor field current
 V_{AM} = Separately Excited DC Motor Armature voltage
 I_{AM} = Separately Excited DC Motor Armature current
 V_{FG} = Separately Excited DC Generator field voltage
 I_{FG} = Separately Excited DC Generator field current
 V_{AG} = Separately Excited DC Generator Armature voltage
 I_{AG} = Separately Excited DC Generator Armature current