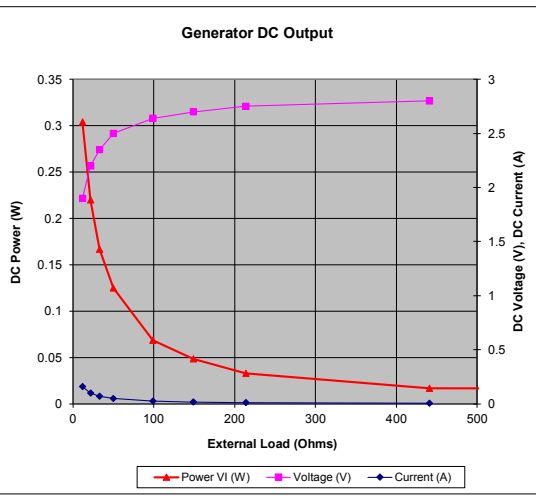
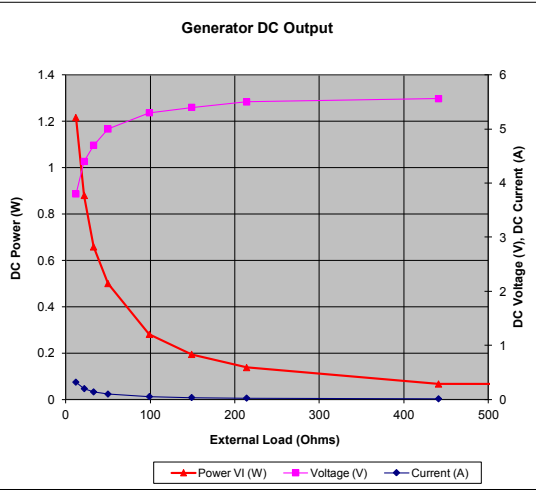


Load test sheet at		Motor Type		Trident 24V	
327 rpm		Coil resistance		ohms	
External Load (Ohms)	Voltage (V)	Current (A)	Power VI (W)	I2R (check)	
30000			0		
441	2.8	0.006	0.02	0.02	
214	2.75	0.012	0.03	0.03	
149	2.7	0.018	0.05	0.05	
99	2.64	0.026	0.07	0.07	
50	2.5	0.05	0.13	0.13	
33	2.35	0.071	0.17	0.17	
22	2.2	0.1	0.22	0.22	
12	1.9	0.16	0.30	0.31	



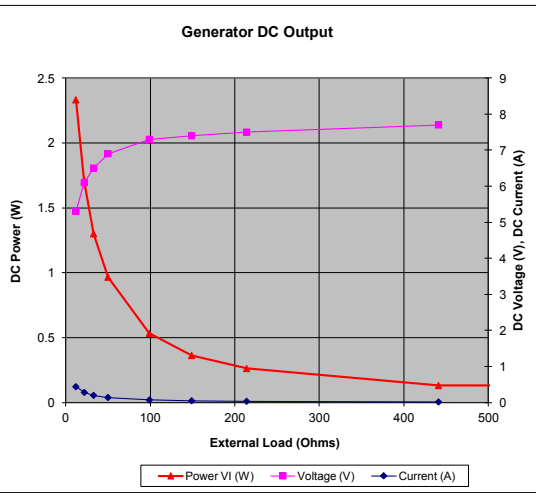
24V	30V	delta	% inc 30V to 24V		
0.02	0.03	0.01	76%	1.76	
0.03	0.06	0.02	73%	1.73	
0.05	0.08	0.03	63%	1.63	
0.07	0.11	0.04	61%	1.61	
0.13	0.18	0.06	46%	1.46	
0.17	0.25	0.08	49%	1.49	
0.22	0.31	0.09	40%	1.40	
0.30	0.36	0.06	18%	1.18	

Load test sheet at		Motor Type		Trident 24V	
653 rpm		Coil resistance		ohms	
External Load (Ohms)	Voltage (V)	Current (A)	Power VI (W)	I2R (check)	
30000			0		
441	5.56	0.012	0.07	0.06	
214	5.5	0.025	0.14	0.13	
149	5.4	0.036	0.19	0.19	
99	5.3	0.053	0.28	0.28	
50	5	0.1	0.50	0.50	
33	4.7	0.14	0.66	0.65	
22	4.4	0.2	0.88	0.88	
12	3.8	0.32	1.22	1.23	



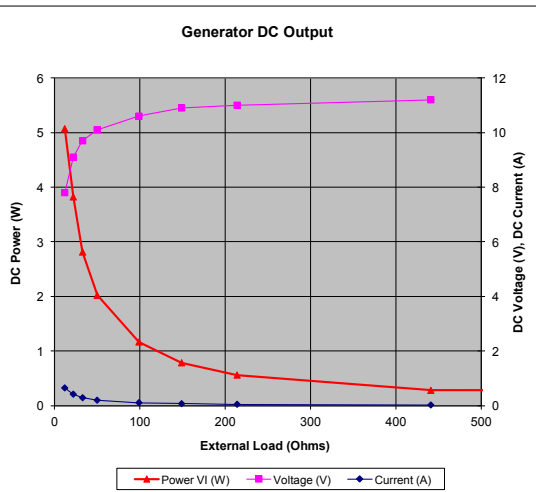
0.07	0.12	0.05	77%	1.77	
0.14	0.23	0.09	67%	1.67	
0.19	0.32	0.13	65%	1.65	
0.28	0.46	0.18	63%	1.63	
0.50	0.78	0.28	55%	1.55	
0.66	1.00	0.34	51%	1.51	
0.88	1.23	0.35	40%	1.40	
1.22	1.49	0.28	23%	1.23	

Load test sheet at		Motor Type		Trident 24V	
902 rpm		Coil resistance		ohms	
External Load (Ohms)	Voltage (V)	Current (A)	Power VI (W)	I2R (check)	
30000			0		
441	7.7	0.017	0.13	0.13	
214	7.5	0.035	0.26	0.26	
149	7.4	0.049	0.36	0.36	
99	7.3	0.073	0.53	0.53	
50	6.9	0.14	0.97	0.98	
33	6.5	0.2	1.30	1.32	
22	6.1	0.28	1.71	1.72	
12	5.3	0.44	2.33	2.32	



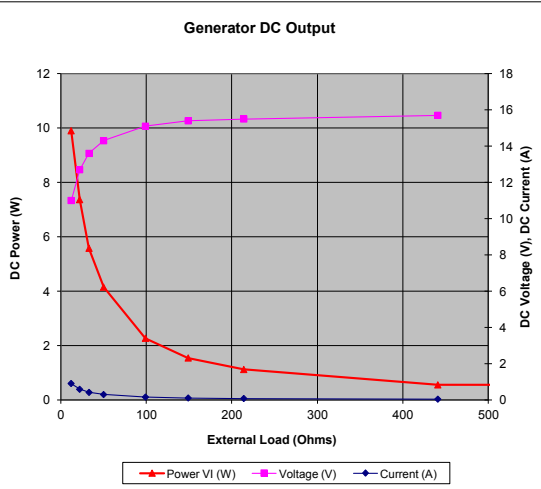
0.13	0.22	0.09	69%	1.69	
0.26	0.44	0.17	66%	1.66	
0.36	0.61	0.25	68%	1.68	
0.53	0.88	0.35	65%	1.65	
0.97	1.49	0.52	54%	1.54	
1.30	1.96	0.66	51%	1.51	
1.71	2.43	0.72	42%	1.42	
2.33	2.98	0.65	28%	1.28	

Load test sheet at		Motor Type		Trident 24V	
1314 rpm		Coil resistance		ohms	
External Load (Ohms)	Voltage (V)	Current (A)	Power VI (W)	I2R (check)	
30000			0		
441	11.2	0.025	0.28	0.28	
214	11	0.051	0.56	0.56	
149	10.9	0.072	0.78	0.77	
99	10.6	0.11	1.17	1.20	
50	10.1	0.2	2.02	2.00	
33	9.7	0.29	2.81	2.78	
22	9.1	0.42	3.82	3.88	
12	7.8	0.65	5.07	5.07	



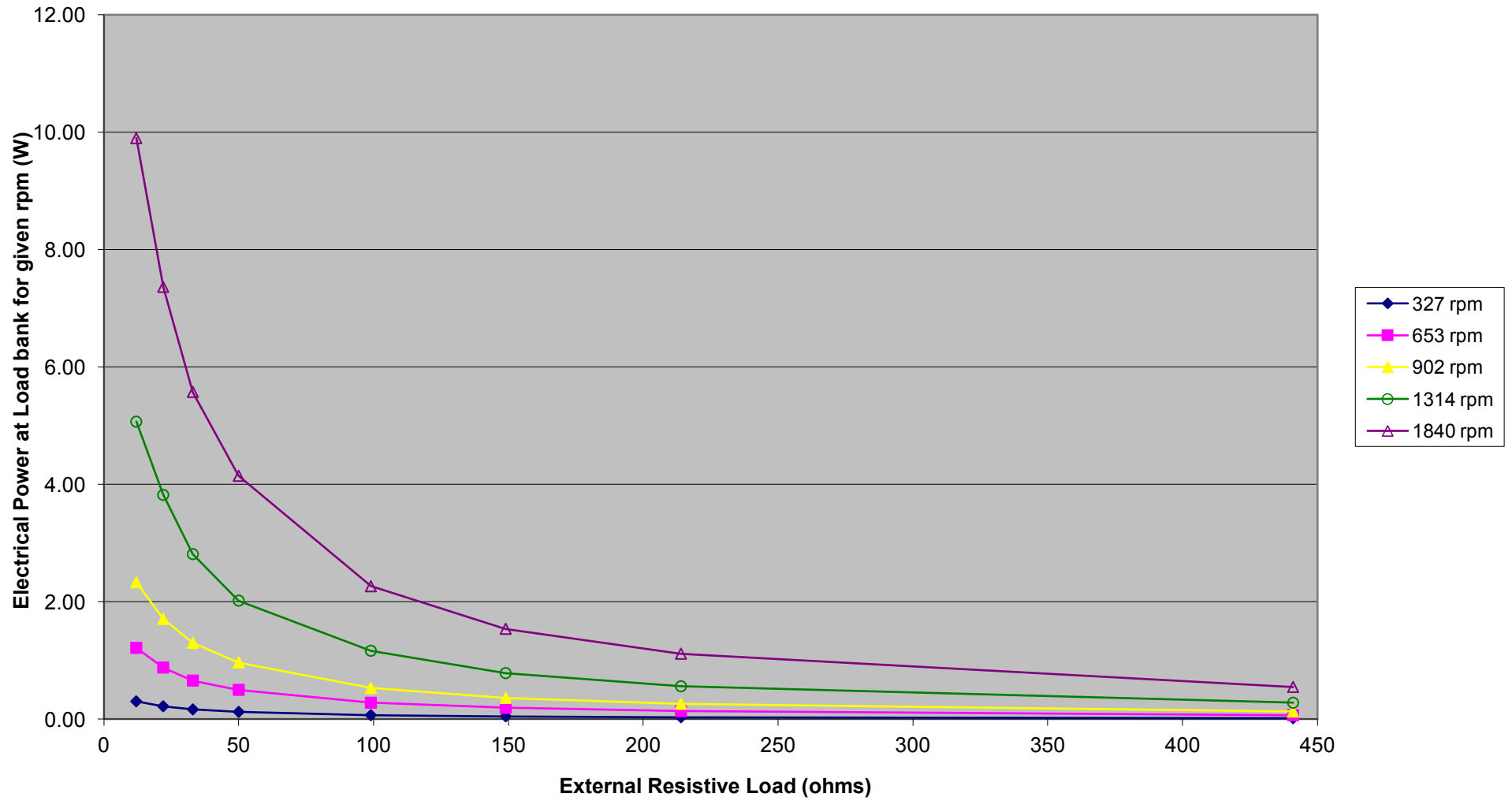
0.28	0.46	0.18	65%	1.65	
0.56	0.94	0.37	67%	1.67	
0.78	1.30	0.51	65%	1.65	
1.17	1.78	0.61	52%	1.52	
2.02	3.21	1.19	59%	1.59	
2.81	4.21	1.39	50%	1.50	
3.82	5.23	1.41	37%	1.37	
5.07	6.36	1.29	25%	1.25	

Load test sheet at 1840 rpm		Motor Type	Trident 24V		
External Load (Ohms)	Voltage (V)	Current (A)	Power VI (W)	I ² R (check)	ohms
30000			0		
441	15.7	0.035	0.55	0.54	
214	15.5	0.072	1.12	1.11	
149	15.4	0.1	1.54	1.49	
99	15.1	0.15	2.27	2.23	
50	14.3	0.29	4.15	4.21	
33	13.6	0.41	5.58	5.55	
22	12.7	0.58	7.37	7.40	
12	11	0.9	9.90	9.72	



0.55	0.91	0.36	65%	1.65
1.12	1.88	0.77	69%	1.69
1.54	2.56	1.02	66%	1.66
2.27	3.71	1.45	64%	1.64
4.15	6.29	2.15	52%	1.52
5.58	8.25	2.68	48%	1.48
7.37	10.25	2.88	39%	1.39
9.90	12.32	2.42	24%	1.24

Electrical Output Power into Load at Fixed Speeds Trident 24 V Motor-generator 2-66-2524



Generator Speed (rpm)	Voltage at 441 Ohms	Voltage at 12 Ohms
327	2.8	1.9
653	5.56	3.8
902	7.7	5.3
1314	11.2	7.8
1840	15.7	11

