

TABLE 6. — Trials of a 1,000 K. W. Parsons Turbine driving dynamos for Newcastle & District Electric Lighting Company's Power Station. — Trials made by Mr. Hunter, Engineer to Newcastle & District Lighting Company.

No. of Test.	R. P. M.	Press at Stop Valve lbs. per sq. in. (gauge)	Vacuum in Turbine Cylinder. Inches of mercury.	Electric Output, K. W.	CONSUMPTION OF STEAM.		Superheat °F.
					lbs., per hr.	lbs. per K. W. per hr.	
1	1690	138	26	1011.6	21.734	21.48	71
2	1680	140	26	909.0	18.610	20.47	86
3	1700	142	26.2	894.6	17.760	19.85	128
4	1660	144	26.3	890.7	17.020	19.1	132
5	1700	144	26.3	882.9	17.171	19.43	135
6	1700	145	26.3	874.0	16.983	19.42	137
7	1700	145	26.3	901.1	17.500	19.29	137
8	1680	146	26.3	896.7	17.302	19.11	136
9	1640	142	26.4	862.2	16.479	19.15	136
10	1640	142	26.6	787.2	16.800	18.96	133
11	1640	146	26.3	944.2	17.03	18.78	131
12	1660	140	26.3	886.6	18.434	18.52	142
13	1710	135	26.3	942.5	17.559	18.52	146
14	1710	135	26.4	942.6	17.460	18.52	182
15	140	140	26.5	878.1	15.857	18.06	195
16	1710	146	26.6	863.3	15.493	17.94	221
17	145	145	26.5	897.8	15.922	17.73	237

Barometer = 30"