

EXPERIMENTS

Nr.	Experiment	Basic configuration								Brake 10300A 10284	VΔ 10116	Starter 10125
		10280	10281	10282	10283	10284	10285	10185	10310			
1	Flux produced by the poles	X	X	X								
2	Main magnetic field	X	X	X								
3	Intensity of the magnetic field	X	X	X								
4	Induced voltage	X	X	X								
5	Inter pole effect	X	X	X								
6	No-load magnetic neutral axis	X	X	X								
7	Rotating magnetic field	X	X	X	X							
8	3-phase squirrel cage motor, 2 poles, 24 VΔ	X	X	X						X		
9	3-phase squirrel cage motor, 2 poles, 42 VY	X	X	X	X					X		
10	3-phase squirrel cage motor, 2 poles, 24 VΔΔ	X	X	X						X		
11	3-phase squirrel cage motor, 2 poles, 42 VYY	X	X	X						X		
12	3-phase squirrel cage motor, 4 poles, 24 VΔ	X	X	X						X	X	
13	3-phase squirrel cage motor, 4 poles, 42 VY	X	X	X						X		
14	3-phase Dahlander motor, 4/2 poles, 42 VΔ/Y	X	X	X					X	X		
15	Split phase motor	X	X	X	X					X		
16	Capacitor start and run motor	X	X	X	X					X		
17	3-phase motor with wound rotor, 2 poles, 42 VYY	X	X	X	X					X		
18	Phase shifter	X	X	X	X	X	X					
19	Induction regulator	X	X	X	X	X	X					
20	3-phase synchronous induction motor, 2 poles, 24 VΔ	X	X	X						X		X
21	3-phase synchronous induction motor, 2 poles, 24 VΔΔ	X	X	X						X		X
22	DC motor with separate excitation	X	X	X	X					X		
23	DC motor with shunt excitation	X	X	X	X					X		
24	DC motor with series excitation	X	X	X	X					X		
25	DC motor with compound excitation, long shunt	X	X	X	X					X		
26	DC motor with compound excitation, short shunt	X	X	X	X					X		
27	Single phase series motor	X	X	X						X		
28	Repulsion motor	X	X	X	X					X		
29	Synchronous motor winding resistance	X	X	X								
30	Synchronous motor no-load test	X	X	X	X							
31	Synchronous motor short-circuit characteristics	X	X	X	X							
32	Synchronous motor short-circuit test	X	X	X	X							
33	Synchronous motor Behn - Eschenberg's method	It uses the data from experiments 29, 30, 31										
34	Synchronous motor load test	X	X	X	X							
35	Synchronous motor conventional efficiency	It uses the data from experiments 29, 30, 32, 33										
36	Parallel connection of the alternator with the mains	X	X	X	X					X		
37	Alternator as synchronous motor	X	X	X	X					X		
38	DC generator winding resistance	X	X	X								
39	DC generator test of the no-load motor (Swinburne)	X	X	X	X							
40	DC generator no-load e.m.f.	X	X	X								X
41	DC generator excitation characteristics	X	X	X								X
42	Separate excitation dynamo	X	X	X	X							X
43	Shunt excitation dynamo	X	X	X	X							X
44	Series excitation dynamo	X	X	X	X							X
45	Compound excitation dynamo	X	X	X	X							X