

SUMMURY

This work includes 92 pages, 39 figures, 4 appendixes and 24 literary references.

The aim of this qualification is development of laboratory facility for research of principal work of wound rotor induction motor. The laboratory work with developed installation includes research static and dynamic modes of induction motor with wound rotor. Research of static mode provides writing torque-speed curves in different modes like motoring, generating or «re-generative braking»,braking or «plugging» and dynamic braking.

Starting of induction motor with soft starter is researched in dynamic mode. There are presented result of experimental research of developed laboratory installation and are compared experimental data with theory in diploma work.

INDUCTION MOTOR, WOUND ROTOR, SOFTSTARTER, TORQUE-SPEED CURVE
OF INDUCTION MOTOR, LABORATORY INSTALLATION

					6.050702.2113.013.BW			
	<i>Letter</i>	<i>Nº of doc.</i>	<i>Sign.</i>	<i>Date</i>	Laboratory installation for researching characteristic of induction motor. Summury	<i>L.</i>	<i>Page</i>	<i>Pages</i>
<i>Devel.</i>	<i>O.Komar</i>						7	92
<i>Checked</i>	<i>Krasnoshapka</i>					NTUU «KPI», FEA		
<i>N. Contr.</i>	<i>B. Priymak</i>							
<i>Appro.ed.</i>	<i>S Peresada</i>							