

SUMMARY

The diploma project contains: pages – 68, drawings - 14, tables -8, annexes -, specifications - and the graphic part on sheets A1.

In this diploma project, the calculation and selection of an asynchronous electric drive for an elevator lifting installation was carried out. The power of the required drive motor is calculated based on the input parameters. A system of direct vector control of the asynchronous motor speed is synthesized. Investigation of the dynamic behavior of the system of direct vector control when working out the given trajectory of motion and moment of loading.

ASYNCHRONOUS MOTOR, ELECTRICDRIVE, VECTOR CONTROL, OBSERVER, SIMULATION SIMULINK, TRANSIENTS.

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Devel.	Linnyk				Asynchronous electricdrive of high-speed elevator	L.	Page	Pages
Checked	V. Bovkunovych					7	68	
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