

Annotation

This graduation project is carried out on theme «Asynchronous Motor for AVC». It consists of parts:

- electromagnetic calculation,
- safety of functioning,
- economic part.

Basically section discusses the characteristics, principles of operation, the device asynchronous motor for AVK. The calculation of the parameters, the geometric dimensions, winding, operating characteristics, thermal design and calculation of the loss of magnetic induction motor.

Completed section of health and safety, which were discussed fire safety and electrical charge per person. The questions of compliance with safety in the operation of the electric motor.

The economic section covers material and additional costs, calculated the annual economic effectiveness and payback periods.