

ENERGY ECONOMY BY FACILITIES OF ELECTRIC DRIVE

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Energy economy in electric drive is part of general process of the effective use of electric power and is determined by three processes:

- by energy consumption;
- by energy use of consumable energy;
- by the energy control of process of energy consumption.

Energy consumption is the process of forming of constituents power on the entrance of transformer during work of electric drive. This process is characterized by dependences of active, reactive and powers of distortion from speed and moment of engine, by the indexes of quality of electric power and their influence on descriptions of electromechanical transformers.