

### 3.04. FREQUENCY RECTIFIER



The frequency rectifier is intended to control industrial asynchronous motors with a power of up to 2 kW.

*Advantages over the existing ones:*

- by using special microcontrollers , power modules and software, the rectifier cost is almost twice lower compared to its foreign analogues, and is almost equal to the asynchronous electric motor cost;
  - high reliability, resistance to electromagnetic interferences, low power consumption;
  - ability to work with supply voltages of up to 150 V, 50-60 Hz, and from renewable energy sources with DC of 150-350 V;
- execution of IP55 housing, which allows to use the rectifier in humid or dusty rooms;
  - readiness to create special modifications on its basis.