

6.02. ELECTROTHERMAL INSTALLATIONS ETU-250 (ETY-250)



The installation ETU -250

The installation of induction heating ETU-250 (ETY-250) is intended for electrothermal treatment of the parts and components of a variety of equipment.

Areas of use: heat treatment of parts and blanks, and heating of the parts when repairing industrial, power and transport equipment.

Technical specifications

- supply voltage – 400 B/50 Hz;
- maximum total output power – 250 kVA;
- adjustable current frequency in the inductor – 0,5 ... 25 kHz;
- total efficiency – up to 95 %;
- specific heating rate – (30 ... 50)° C/kg;s;
- heating temperature – up to 900° C.

Advantages

The installation of such capacity has no analogues in Ukraine. In comparison with traditional

electrothermal technologies, the use of ETU-250 allows to:

- reduce the consumption of electric energy by 20-30%;
- increase labor productivity by 1.5-2 times;
- significantly reduce the cost of material resources for the manufacture and repair of inductors;
- replace inductors of different sizes and configurations under automatic support at a given level of parameters of electrothermal process;
- improve the ecology of production.



Heating of the cast-iron brake shoe of subway car reducer