

Summary
Coursework
Discipline "Heat foundry"
Student groups FL-31
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On "Electrical resistance chamber operated with hartuvalnym tank"

In the term paper was calculated Electrical resistance. Course work contained 20 pages of printed text, and other drawings A1.

Explanatory note consists of an introduction, eight chapters and a list of references containing one drawing. In the introduction disclosed the essence of Electrical.

The first section of the explanatory note is determined by the amount of time needed to heat the casting steel 45L.

The second section provides calculation of the size of the working space of the furnace.

The third section is the choice of refractories.

The fourth section was determined power furnace that is 304 kW.

The fifth section is calculated frame oven.

In the sixth section provides thermal balance calculation. The optimum capacity of 73 kW unit.

In the seventh section identifies the technical and economic performance.

In the eighth chapter Calculation of heating devices. It was selected for alloy Nichrome heating devices H20N80. The type of the heater - speed zigzag, zigzags number of 85 pieces.