

Summary
Course work
discipline "Heat foundry"
Students of the FL-31
Anastasia Bondar
On "resistance electric conveyor"

In the term paper was calculated resistance electric conveyor. Course work contained 22 pages of printed text, and other drawings A1.

Explanatory note consists of an introduction, eight chapters and a list of references.

In the introduction disclosed the essence of electric resistance conveyor.

The first section of the explanatory note is determined by the temperature of the oven, convection heat transfer coefficient, criterion Bio and heating the casting, which is 1.46 hours.

The second section provides calculation of the size of the working space of the furnace and the furnace index: OKO-12,2.41,0.6,55 / 10.

In the third section, choose refractories - chamotte, different kinds.

The fourth section forward external dimensions of the oven.

In the fifth frame sections, the calculation of the oven - namely washer efforts, the cross-section of communications moment of resistance rack and estimated items selected frame.

In the sixth section were calculated heat balance of the furnace.

In the seventh chapter calculation heaters furnace, type and options.

In the eighth chapter by technical and economic performance of the furnace, thermal efficiency, which is 67.8% and economic efficiency, which is 68.9%.

Keywords: RESISTANCE ELECTRIC BELTS, CONVEYOR