

**95-0237**

The invention relates to the heliotechnic and may be used in the drying installations and air heating systems.

The solar air heater contains the heat isolated body 1 with a transparent frontal coating 2.

The flat absorber 3 is located in the body and consists of the plates having different light transmission 4 in which are manufactures the openings 5. The light transmission divides the body in the longitudinal direction in two spaces: the feeding space 6 with air feeding duct 7 connected thereto and the rejecting one 8 with air rejecting duct 9 connected thereto. The absorber may contain nontransparent plate 10, placed at the rejecting body space in one of structure variants.

The technical problem, which is solved by the present invention, is the air heater efficiency rising by means of temperature difference decreasing between the absorber working surfaces and the air passing therethrough.