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CASE STUDY OF ENERGY EFFICIENCY IN AIR HANDLING UNITS IN LATVIA SCHOOLS

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ABSTRACT

This paper presents a case study of energy efficiency of air handling units for schools in Latvia.

The paper summarizes the possible configurations of air handling units, carried out analytical studies searching for an optimum variant of the energy savings and optimization point of view according indoor air quality categories (IDA), taking into account the specifics of learning process in Latvia schools.

Results shows that based methods of air handling units optimization should be encouraged due to the potential of energy savings combined with improved indoor air quality in Latvia schools.

Reduction of energy consumption, improvement of energy efficiency and optimization of air handling units in schools is important to address the improvement of indoor air quality in Latvia schools.

Keywords: indoor air quality of schools in schools, air handling units, energy efficiency.