

UDC 426.43.

Belousov E.V. Modelling of process of compression with cooling an air-slaked charge by injection of water in working cylinder ICE // Internal combustion engines. – 2006. – 1. – P. 72-78.

Theoretical aspects of cooling of an air charge are considered during his squeeze in the piston engine by injection of water. Stages of process of cooled squeeze, factors influencing on process are considered. Results of the modelling are resulted, allowing counting use of cooled squeeze in piston ICE an essential reserve of perfection of their thermodynamic cycle. Tabl. 1. Il. 3. Bibliogr. 8 names.