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Nekrasov V.G., Kuanishev M.K., Kaukarov A.K.,
Muhtarov A.T. Optimum construction of internal combustion engine // Internal combustion engines. –
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The considered approach to development of the optimum car engine, mainly, for car of the compact class, which module can serve the base for making the engines whole capacity row of the car engines. The actions, raising thermal, indicative and mechanical efficiency, as well as need to utilization of heat exhaust gas has served as a reference for development two cylinders module with opposition location cylinders on base crankshaftlink of the mechanism of the transformation of the motion.

The engine of the diesel type, with continued of expansion. The cylinder is executed in the manner of two-layer bushing with internal layer from material with low heat conductivity. The mechanism gas distribution is applying of the rotary valve type, at role of rotary valve executes the revolving cylinder with lid of the bushing. For reduction of the losses on friction in mechanism gas distribution and for compaction of piston into cylinder is applying composition antifriction material with use the graphite, as well as applying bearings in kinematics pair of mechanism of the transformation of the motion with lowered of friction. Il. 3. Bibliogr. 3 names.