

UD 621.43

Maliovanov M., Pleshanov A., Temnov E.,

Khmelev R. Working out of the mathematical model of motor-generator device based on internal combustion engine TMZ-450D // Internal combustion engines.

– 2006. – 1. – P.51-56.

The results of mathematical modeling of motorgenerator device based on internal combustion engine

are reviewed. Designed model is based on equations of mechanical, thermodynamical and electromagnetic subsystems.

Suggested mathematical description allows to research the effect of motor-generator device parameters on its functioning in transient and adjusting regimes.