

*single-phase motor, synchronous motor,
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Maciej GWOŹDZIEWICZ*, Jan ZAWILAK*

INFLUENCE OF THE PERMANENT MAGNETS ARRANGEMENT ON THE SINGLE-PHASE LINE START PERMANENT MAGNET SYNCHRONOUS MOTOR PERFORMANCES

The paper deals with construction of single-phase line start permanent magnet synchronous motor. Circuit-field single-phase line start permanent magnet synchronous motor model based on the mass production single-phase induction motor was applied in Maxwell program. Various rotor constructions were taken into account. Influence of the rotor construction on the motor properties was examined. Running motor performances were examined.

* Instytut Maszyn, Napędów i Pomiarów Elektrycznych, Politechnika Wroclawska, ul. Smoluchowskiego 19, 50-372 Wrocław, maciej.gwozdziejewicz@pwr.wroc.pl, jan.zawilak@pwr.wroc.pl