

## Korespondensi Artikel Rotor Magnetic Performance of 3 Phase Low Speed Knockdown Generator

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Rotor Magnetic Performance of 3 Phase Low Speed Knockdown Generator

has passed the submission check and will be entered into the production system.

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RESEARCH ARTICLE | MAY 08 2023

Rotor magnetic performance of 3 phase low speed knockdown generator

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Magnetic performance is important in low-speed generator. Variation of permanent magnet amount was proposed to investigate length of permanent magnet effect on a low-speed permanent magnet knockdown generator. A rotor of 18 cm in diameter, 5 cm thickness was applied for 18 poles stator with average resistance of 0.84 ohm of each coil. The rotor poles had 0.97 - 2.91 cm ND 52 permanent magnet as the magnetic field source. Speed of 25 - 350 rpm was applied to record its power and voltage performance. Load was varied using 35 watts bulbs arranged in parallel. The results show that permanent magnet length has effect on its performance in term of voltage and

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