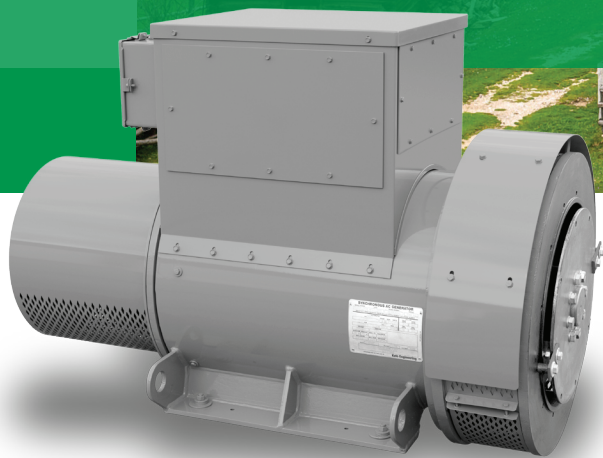


4-Pole Form Coil Generator



**Robust Generator
with Lower Power Output**

Nidec
All for dreams

LEROY-SOMER™
KATO ENGINEERING™

New four-pole generators rated between 250 and 650 kW and designed for continuous duty

Kato Engineering six-pole, 600-volt generators are the standard for drill rig power around the world. Our 4-pole form coil generator is a miniature version of that design with output available from 240 to 4160 V operating at 1800 RPM.

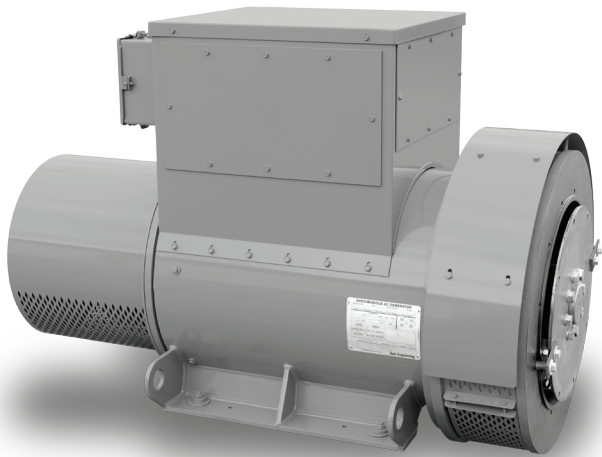
These generators can be used for oil and gas drill rig camp power and power for auxiliary equipment around the drill rig. Another important use of the new generator will be as a source of prime power in small, remote villages. Kato has designed and manufactured our 4-pole form coil generator with reliability in mind.

DESIGN BENEFITS

- Discrete diodes are used on the rectifier, so they can be replaced individually for easier and lower cost maintenance.
- Form windings use square or rectangular magnet wire precisely layered. The fixed layering ensures the lowest potential between the wire turns. Thus, form coils can better handle high turn-to-turn surge voltages that occur in non-linear loads.
- Enhanced Cooling – The ends of form coils also have large openings for better air circulation. That results in better cooling for a longer life and also reduces contamination build up in harsh environments, which can cause premature winding failure.

SPECIFICATIONS

- 250 - 650 kW
- 0.8 PF
- 240 - 4160 V
- 1800 rpm
- 80° C temperature rise at 40° C ambient
- Continuous duty
- Space heaters and two per phase stator winding RTDs Included
- Phase balance of 1%
- Waveform: line-to-line, no-load harmonics 2% single, 3% THD
- IP-23 enclosure
- Single-bearing design



www.katoengineering.com

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