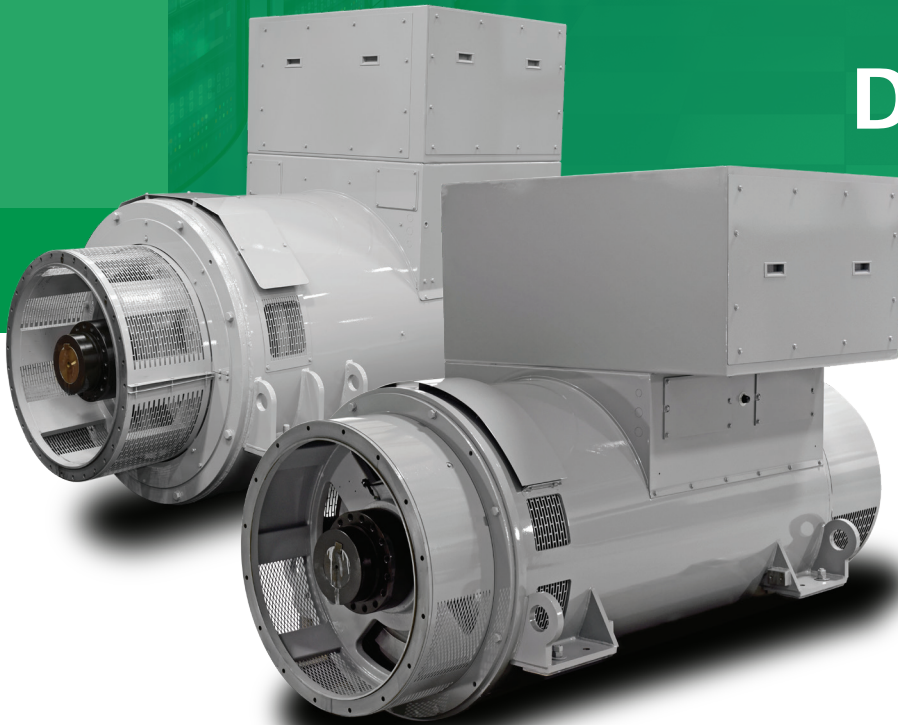




DATA CENTER PRO

Data Center Pro



**Reliable.
Flexible.
Professional.**

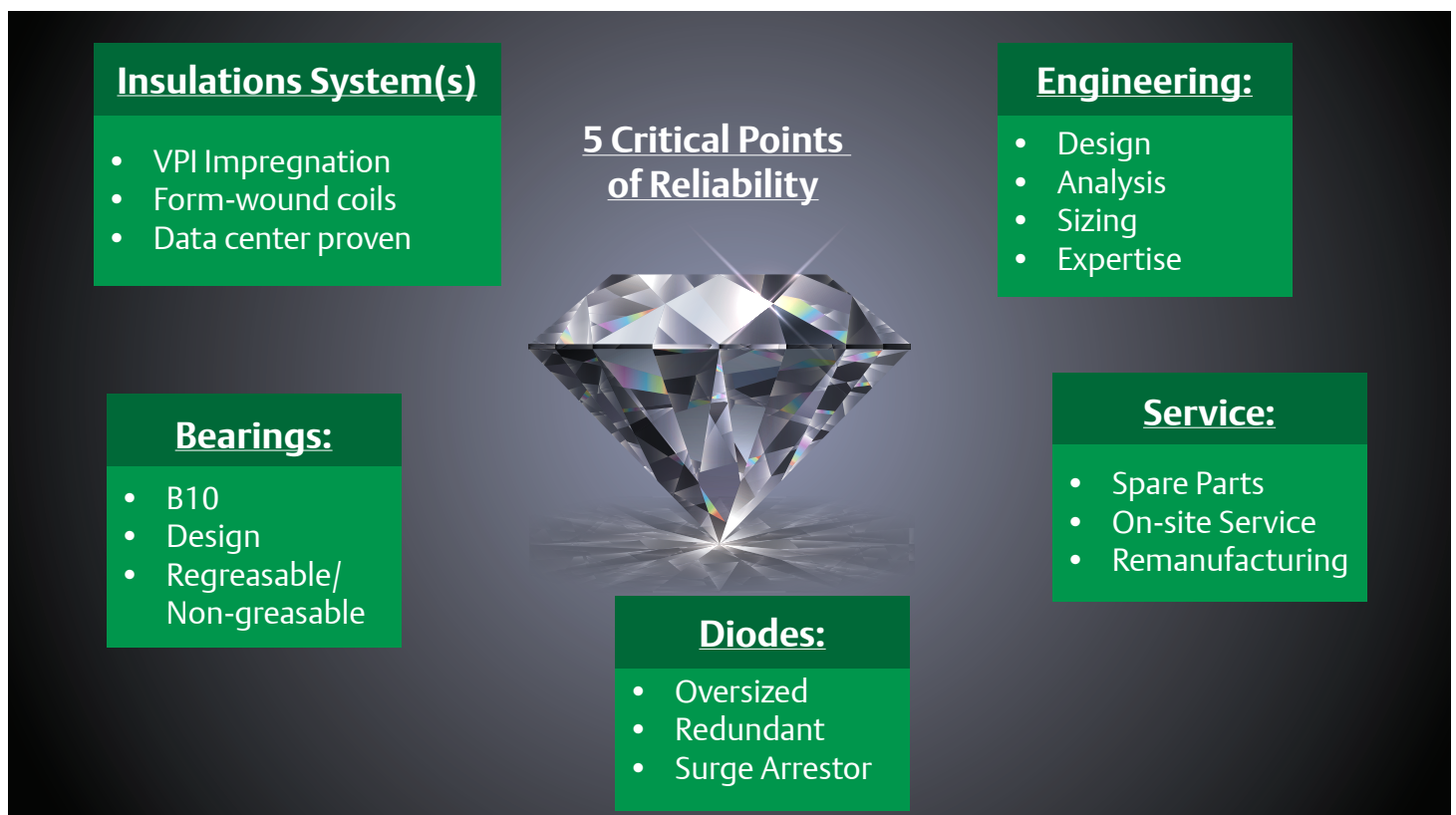
Nidec
All for dreams

**KATO ENGINEERING™
LEROY-SOMER™**

Reliable.

Modern society's ever-increasing appetite and dependence on technology requires 24/7/365 data access and Kato Engineering / Leroy-Somer understand the importance of this vital Data Center need. Uptime is key and that means not only having the most reliable backup power for your mission critical facility, but ensuring our products can be easily tested, maintained and supported. Our Kato Engineering and Leroy-Somer brands have been leaders in the Power Generation market for over 85 years and provide backup generators to Data Center installations worldwide.

Our Data Center Pro generators are designed with features to optimize data center performance and reliability. We design our generators to meet all data center requirements which may include low sub-transient reactance, leading power factor capabilities or other site-specific requirements. We also incorporate our experience with other harsh applications to ensure our generators are equipped with world-class insulations systems for long life in mission critical applications.



Data Center Pro units also offer additional features that further enhance our renowned reliability:

- Oversized diodes supply additional protection against one of the most common failures for generators
- Optimized generator bearing sizes reduce maintenance and repair and upgrade overall reliability
- Standard copper damper cages to better manage unbalanced and non-linear loading
- Low Voltage, form-wound availability across our range meet industry requirements, provides reliability and is the foundation of our data center product line

Flexible.

Kato Engineering / Leroy-Somer can assemble to order to deliver to your exact needs for your Data Center space. We have a wide range of established offerings and design features that meet most industry projects, from Edge to Hyperscale facilities. We have years of experience with designing alternators for unique Data Center backup power needs. Need something out of the box? We can do that, too. Our consultative approach will ensure that we understand your project needs and meet specifications and exceed expectations. We have built our reputation by providing the right solution for each project we develop.



Engineered to accommodate your conditions and needs

- **Climate:** We design our generators to be rugged and operate in a wide range of temperatures and environments. We welcome discussion with your team regarding any challenging environmental conditions for your application.
- **Code / Specifications Compliance:** Kato Engineering / Leroy-Somer are well versed in industry specifications and code compliance. We will make certain that your generator is compliant with NFPA, IEEE, NEC, UL, IBC, ISO or any other certification standards.
- **Customization:** We have a wide range of typical options available and can offer further customization to fit your needs.
- **Sizing:** Our engineering staff is invested in your success and has the tools and expertise to design the right-sized (not just oversized) alternator to optimize your application requirements.

Professional.

We are Data Center Pros. With a history of reliability and durability second to none, our brands have been in Data Centers for over 20 years. We are field-proven. We are project focused. We design power generations products that comply with all international standards (ISO, IEEE, MIL_STD, NEMA...). And, we meet and exceed industry standards for performance, reliability and power density. Engineered solutions are what we do and our stable of engineers are ready to assist you with your project needs.

When down time is not an option, Kato and Leroy-Somer alternators are there to provide the reliable power you need.

Decades of experience

- An experienced engineering staff
- Highly skilled craftsmanship
- Highest quality in the industry
- Service and parts availability



Kato Engineering, Mankato Minnesota, 1940s



Kato Engineering, Mankato Minnesota, present day



Leroy-Somer, Lexington Tennessee, circa 1980s



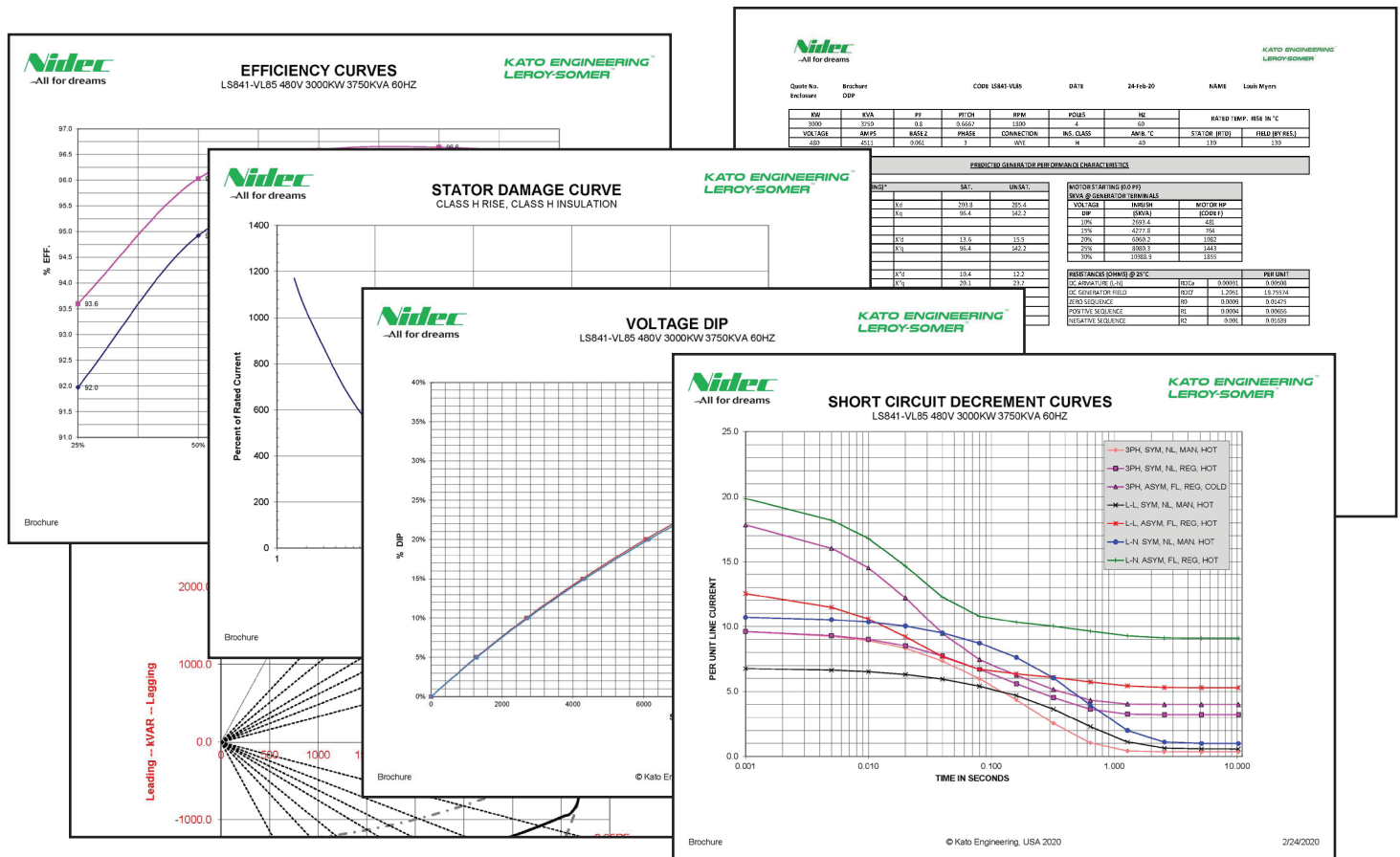
Leroy-Somer, Lexington Tennessee, present day

Professional Partners

We understand that a key to success is access to the right data when designing power systems. Our engineers at Kato Engineering / Leroy-Somer will provide all the necessary engineering data for your specific Data Center power application including:

- Machine Reactances and Time Constants
 - Sub-transient Reactances ($X''d$)
 - Short Circuit Reactances (SCR)
 - Motor Starting Voltage Dip
- Drawings and Documentation
 - Conduit Box connections
 - Connection diagrams
 - Solid models
 - Rotational Inertia

Whatever your data needs are to get the job done right, the Data Center Pros at Kato Engineering /Leroy-Somer have you covered.



Data Center Pro Lineup

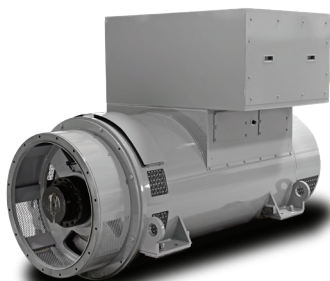
The Nidec brands of Kato Engineering and Leroy-Somer offer Data Center platforms that can provide from 380-15000V/1,000KW-4MW/1500-1800 RPM. Our generators are designed for both engine and turbine packages fueled by diesel or gas.

Low and Medium Voltage Range ($\leq 4800V$)

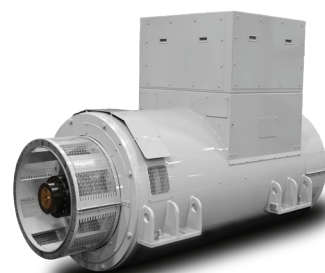
LS641



LS841/842



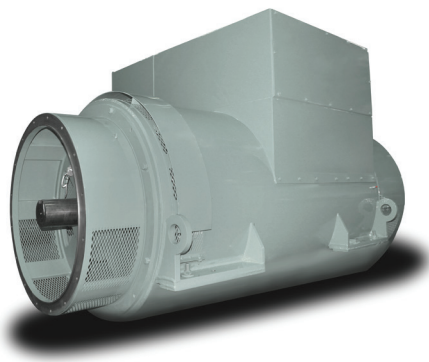
LS941



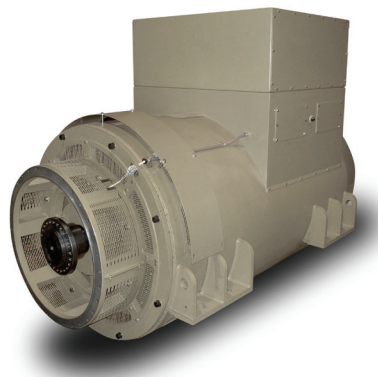
1.5 MW 4 MW

High Voltage Range ($>4800V$)

4P6.6



4P9.6



1.5 MW 4 MW

Professional Services and Parts

Outfitting your Data Center with reliable generators is an important first step to ensure continuous run time during outages. However, it is important to maintain and test your equipment on a continual basis to guarantee power when you need it. The Data Center Pros at Kato Engineering / Leroy-Somer understand the critical components and assemblies to monitor and offer all the services and parts you need to keep the power on.

Field Services

Kato Engineering / Leroy-Somer offer best-practice services to keep your Data Center Pro unit operating at peak efficiency with the highest amount of uptime possible. We offer 24/7/365 service from our highly trained personnel, including:

- Installation and start up assistance
- Preventive and scheduled maintenance
- Remote or on-site troubleshooting
- On-site repair
- Customized maintenance programs

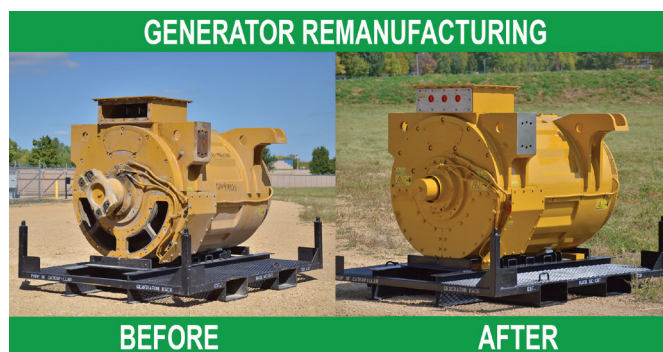
Remanufactured Generators

Your generator does not need to become disposable after years of service as dependable backup power. Instead, rely on the generator experts at Kato Engineering / Leroy-Somer to refurbish your generator into an as-new state with a 12-month warranty. Our reman team will disassemble, inspect and provide a full health assessment along with an estimate. A failure analysis is conducted, and the generator will then go through the production line like our new units. Our experience and attention to detail results in a high-quality finished product with superb performance. We will test to verify compliance to requirements and deliver your newly remanufactured generator ready to serve your Data Center for years to come.

Aftermarket Parts

You can prolong the life of your generator by using genuine Kato / Leroy-Somer engineered parts that meet the exact specifications needed. Our Service team is standing by to help utilize these parts with:

- Rigid ISO test, validation, verification and inspection process
- Spare Part stocking recommendations including:
 - Diodes
 - Surge Suppressors
 - Bearings
 - Voltage Regulators
- Reliable replacement parts with warranty
- Archive of instruction manuals and diagrams





Knowledge is Power!

GenSchool

Kato Engineering / Leroy-Somer provide generator technology schools to educate customers with everything from the basics to advanced motor loading characteristics and electrical theory. Our GenSchool training is designed for service technicians who want to properly protect their investment, as well as project managers or electrical design engineers who want to know more about choosing or specifying the generator. Items covered include: Basic Generator Theory, Advanced Generator Theory, Sizing, Testing, Mechanical, Controls and Service Overview. For more information, visit:

KatoGenSchool.com

KatoEngineering.com



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