



SIEMENS

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Field Service and Maintenance

Product Description

[siemens.cz/semf](https://www.siemens.cz/semf)

The main cause of machine failure is component ageing during operation. Any unplanned machine outage means high losses. Moreover, even a small machine part failure can spread damage to the main machine components.

Therefore it is very important to prevent any failures. The recommended maintenance schedule for Siemens motors and generators is based on our long manufacturing experience and the technology used in the machines. The maintenance intervals with the recommended tasks are specified in each machine's operating manual. Our service engineers provide your machine with top-quality maintenance and can also carry out minor as well as more major repairs in the field.

Benefits

- Maximized availability and reliability
- Minimized unplanned downtime
- Increased machine life-time
- Comprehensive maintenance report
- Maximum availability through preventive maintenance at the highest technical level
- Reliable production conditions
- Determining maintenance requirements
- Analysis and recommendations for an optimal spare part stock keeping

Risks with non-Siemens service

- Unprofessional maintenance and repair can lead to loss of warranty
- Unprofessional maintenance and repair can mean extra costs for more frequent maintenance and shorter operating life
- When performing unprofessional maintenance and repair there is a risk of irreversible damage to parts, including machine winding with high repair costs

Field service and Maintenance in steps

- Visual inspection of the machine
- Checking auxiliary systems
- Electrical checks
- Cleaning and remedy of findings
- Checking operating parameters – checking operating temperatures and vibrations
- Comprehensive record-keeping: work description, pictures and summary, including recommendations for future machine operation



Basic data

Machine type:	Synchronous generator 0,5 up to 25 MVA Synchronous and asynchronous motors 0,5 up to 20 MW
Frame sizes:	400 mm – 1340 mm
Speed:	500 r.p.m. – 1 800 r.p.m.
Frequency:	50 Hz – 60 Hz
Voltage:	380 V – 13,8 kV
Type of cooling system:	IC01, IC31, IC81W and others
Mounting form:	Horizontal feet mounted, Flanged bearing shield or shaft end, Vertical flange mounted
Degree of protection:	IP 23, IP 44, IP 54 and others
Standards:	IEC, EN, DIN, VDE and others Marine certification (DNV-GL, ABS, BV, LRS, CSS, RINA, RMRS and others)
Explosion protection:	Ex p/Ex n
Machine weight:	5 through 40 tons

Contact

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For more information please go to:
www.siemens.cz/sem

Other Customer Service products

- Spare part management
- Generator and motor retrofits
- Repairs at the production plant or at a network of SIEMENS repair shops
- Vibration diagnostics and machine diagnostics (with a possible online monitoring)
- Service contracts
- Commissioning
- Trainings