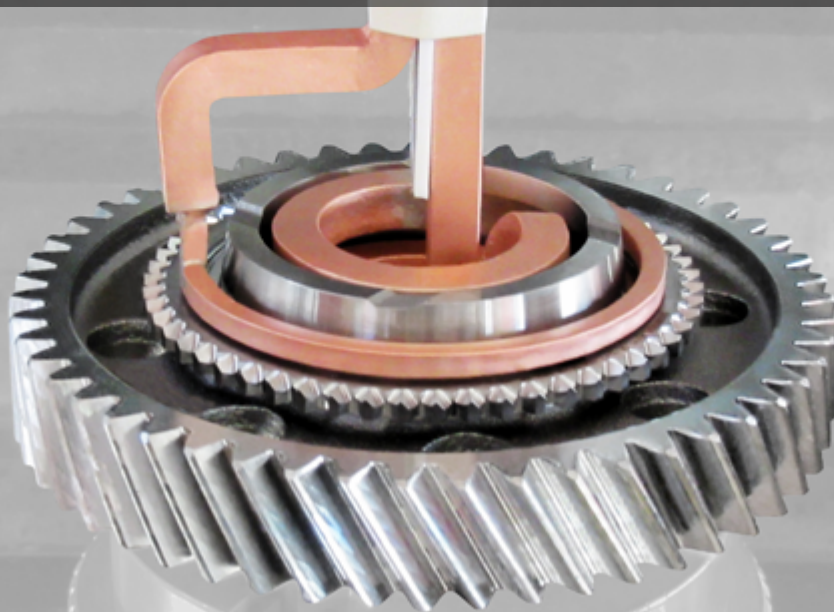


eldec SYSTEM LINE



eldec SYSTEM LINE –
Full integration

eldec

SYSTEM LINE – Full Integration Into Machines and Fully Automated Systems

SYSTEM LINE induction generators are designed to be integrated into complete systems. Therefore, these energy sources do not have a user interface display. Their control and visualization systems are integrated into a cell controller for the complete system (for example, an assembly system).

A SIEMENS PLC with Profinet, Profibus and, upon request, other fieldbus systems is available to connect them. A password-protected web server interface means that the initial configuration can be completed easily by using the Ethernet interface. The operating parameters, such as error messages, water flow rates, current and voltage display,

as well as power and frequency, can be displayed using the web server.

Protection and safety functions can be integrated right away. The eQC (eldec quality control) modules enable a wide range of process parameters to be recorded and processed.

SYSTEM LINE series devices are available with a wide range of options and output versions. For example, SYSTEM LINE generators are also available in 2A form (two outputs, heating sequentially), x2 form (two outputs heating simultaneously and independently of each other) and :2 form (heating simultaneously and symmetrically).



Type / Nominal rating	Power connection ± 10 % 50/60Hz		Cooling water consumption without inductor	Dimensions / Weight Generator*	
	V	A	l/min	W x H x D mm (in)	kg
SYSTEM LINE-M MFG 5	3 x 400	10	19	550 x 790 x 800 (22 x 31 x 31)	40
SYSTEM LINE-M MFG 10	3 x 400	20	19	550 x 790 x 800 (22 x 31 x 31)	40
SYSTEM LINE-M MFG 15	3 x 400	32	17	550 x 790 x 800 (22 x 31 x 31)	45
SYSTEM LINE-M MFG 20	3 x 400	35	24	550 x 790 x 800 (22 x 31 x 31)	60
SYSTEM LINE-M MFG 30	3 x 400	63	24	550 x 790 x 800 (22 x 31 x 31)	60
SYSTEM LINE-M MFG 50	3 x 400	100	30	550 x 790 x 800 (22 x 31 x 31)	90
SYSTEM LINE-M MFG 75	3 x 400	160	35	550 x 790 x 800 (22 x 31 x 31)	100
SYSTEM LINE-L MFG 100	3 x 400	200	44	550 x 970 x 800 (22 x 31 x 31)	135
SYSTEM LINE-XL MFG 150	3 x 400	315	50	550 x 1,180 x 800 (22 x 46 x 31)	180
SYSTEM LINE-M HFG 5	3 x 400	10	12	550 x 790 x 800 (22 x 31 x 31)	50
SYSTEM LINE-M HFG 10	3 x 400	20	12	550 x 790 x 800 (22 x 31 x 31)	50
SYSTEM LINE-M HFG 15	3 x 400	32	12	550 x 790 x 800 (22 x 31 x 31)	50
SYSTEM LINE-M HFG 20	3 x 400	35	19	550 x 790 x 800 (22 x 31 x 31)	90
SYSTEM LINE-M HFG 30	3 x 400	63	19	550 x 790 x 800 (22 x 31 x 31)	90
SYSTEM LINE-XL HFG 50	3 x 400	100	28	550 x 1,180 x 800 (22 x 46 x 31)	130
SYSTEM LINE-XL HFG 75	3 x 400	160	38	550 x 1,180 x 800 (22 x 46 x 31)	150

MF Rating: 5–150 kW
HF Rating: 5–75 kW

MF Frequency range:
10–25 kHz

HF Frequency range:
140–350 kHz

Other frequency ranges available on request

* Dimensions and weight may differ depending on equipment features (options).

Range of functions, equipment and options

Industrial safety and high availability are important to us. Therefore, the devices come with that familiar eldec quality. The cooling water and cooling element temperature, as well as the generator and inductor cooling water temperatures, are also monitored continuously.

Equipment:

- Siemens PLC
- Control via Profinet from a higher level controller
- Control types: power, current and temperature using a pyrometer
- Web server interface for initial configuration and operating parameter visualisation, such as error messages, water flow rates, current and voltage display, as well as power and frequency
- Enclosure type IP21

Options:

- eldec Quality Control: eQC Energy Control, eQC Earth Fault and eQC Process Data supply
- Hose package up to 15 meters in length, for MF generators only
- Mains voltage 200 V, 380 V, 400 V, 480 V, 560 V
- Frequency switchover, for example 8–20 / 16–40 kHz
- Profibus interface
- Integration of safety equipment (for example, safety door, etc.)
- Cooling systems are passive or active, tailored to the generator and application
- All MF generators are available with a short-term power increase, e.g., MFG 50 (80) to 80 kW, on request and for an extra charge.

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