

INDUCTION GENERATORS

MHS Induction generator 6 x 3 kW

610 660 12

The induction generator is designed to supply up to 6 induction coils (inductors) with a power of up to 3 kW each. The device operates on the three-phase mains with a voltage of up to 400 V and a frequency of 50/60 Hz.

The mains current is rectified and fed to the DC link, from which the inductors are individually supplied.

The output power is controlled via the Kendrion controller of the modular industrial heating system. The setting range from 0% to 100% can be selected individually for each channel.

By using state-of-the-art semiconductor switches, the output stages achieve high efficiencies, at working frequencies up to 25 kHz.

The devices are intended for installation in control cabinets and can only be used in conjunction with MHS controllers.

- Independent control of 6 induction coils
- Industrial-grade, rugged device design
- Low power loss through operating point optimization
- Control connection via MHS Controller
- Up to 7 generator modules working together with one controller



DESCRIPTION	VALUE
Functions	Integrated power measurement, short circuit detection, DC link monitoring, automatic frequency tuning, resonance frequency monitoring
Load type	specific induction coils
Number of channels	6 channels individually controllable
Operating power	6 x up to 3 kW, total power 18 kW (depends on the operating frequency)
Product status	System product
Operating frequency	2 ... 25 kHz, automatic operating point determination
Supply voltage	3 x 400 VAC +10% /-15%; 50/60 Hz; Network configuration TT or TN
Modul bus	Data communication via CAN, electronic supply 24 VDC
Cooling	Forced air cooling, power loss approx. 250W
Mounting	Prepared for installation on cabinet mounting plates
IP-Protection Class	IP 20, Device for mounting in a closed, metallic control cabinet
Dimensions (W x H x D)	Book Size steel housing with stainless steel cover, (451 x 105 x 313)
Operating temperature	In vertical installation position: 0°C ... 35°C
Certifications	CE, NRTL Certification by TÜV SÜD for UL61010

CONTACT

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PRODUCT

<https://www.kendrion.com/en/productfinder/group/product/induction-generators/610-660-12>