

## Induction heating transistor generators SH Type

The SH generator series includes the traditional advantages of the Transithermic® family of generators (high reliability, easy use, superior efficiency) in a series circuit design.

The standard version includes the GH TouchHMI user interface based on the latest screen technology. A full colour panoramic IPS TFT touch screen which enables to display the generator parameters and configuration.

The SH generator is the most suitable solution for low and medium powers in induction heating applications at medium and high frequencies between 150 and 300 kHz.



Example of 25 kW generator  
(base included)

## SH type transistor generator for induction heating Medium & high frequency with series oscillating circuit

### General characteristics

- Design for series oscillating circuit
- Modular design with plug-in power control cards
- Frequency: 30 - 300 kHz
- Power: 10 kW to 200 kW
- Efficiency: > 90%
- Cos  $\varphi$ : > 0.95
- Protection: IP 54 (standard) or IP 55
- TouchHMI: Full colours TFT touch screen, IPS and led backlight technology and Wide VGA (800x480) format.
- Optional field bus interfaces: Interbus, Profibus, Profinet, DeviceNet, Ethernet or other protocols on request
- Optional multioutput

### Other functionality

- Energy monitoring
- Current, power, energy or T<sup>a</sup> regulation modes
- Process control
- Program storage
- Events log
- Dew point control system (optional)

### Technical features

Output continuous power	kW	10	25	50	75	100	150	200
Model		10SH300	25SH300	50SH300	75SH300	100SH300	150SH300	200SH300
Frequency	kHz	[150, 300]	[150, 300]	[150, 300]	[150, 300]	[150, 300]	[150, 300]	[150, 300]
Power supply	kVA	13	31	63	94	125	188	250
Voltage supply	Vac	380-400	380-400	380-400	380-400	380-400	380-400	380-400
Generator width	in/mm	23,6/600	23,6/600	47,2/800	47,2/1200	47,2/1200	55,1/1400	55,1/1400
Generator depth	in/mm	23,6/600	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800
Generator height	in/mm	39,4/1000 <sup>(2)</sup>	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800
Base Socket <sup>(1)</sup>	in/mm	3,93 or 7,87 / 100 or 200						
Water temperature min/max	°F/°C	[68, 86] / [20, 30]						
Water supply		1"	1"	1"	1"	1"	1-1/4"	1-1/4"
Waterflow	gpm/lpm	3,9/15	4,7/18	7,1/27	18/68	18/68	31,7/120	31,7/120

Note (1): "Base socket" is not needed when generator is part of an installation that includes platform