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 400 kHz.

Example of 50 kW generator
(base included)

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Transithermic®

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

General features

- Design for series oscillating circuit
- Modular design with plug-in power control cards
- Frequency: 0,5 - 400 kHz
- Power: 10 kW to 100 kW
- Efficiency: up to 90%
- Cos φ: up to 0.95
- Protection: IP 54 (standard) or IP 55
- TouchHMI: Full colour TFT touch screen, IPS and led backlight technology and Wide VGA (800x480) format.
- Optional Field Bus interfaces: Interbus, Profibus, Profinet, DeviceNet, Ethernet or customized protocol

Technical features

Type		10SH	25SH	50SH	75SH	100SH
Output continuous power	kW	10	25	50	75	100
Frequency	kHz	[50, 400]				
Power supply	kVA	13	31	63	94	125
Voltage supply		380-480 VAC 50/60 Hz (1)				
Generator width	in/mm	23,6/600	23,6/600	31,5/800	55,1/1400	
Generator depth	in/mm	23,6/600	31,5/800	31,5/800	31,5/800	
Generator height	in/mm	43,3/1100	74,5/1900	78,7/2000	78,7/2000	
Width with cooling system	in/mm	23,6/600	23,6/600	47,2/1200	86,6/2200	
Depth with cooling system	in/mm	23,6/600	23,6/600	31,5/800	31,5/800	
Height with cooling system	in/mm	74,5/1900	74,5/1900	78,7/2000	78,7/2000	
Water temperature min/max	ºF/ºC	[68, 86] / [20, 30]				
Water supply		1"				
Waterflow	gpm/lpm	4,7/18	5,3/20	7,9/30	8,8/40	15,8/60

Note (1): With autotrafo from 400VAC

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