

Induction heating transistor generators PH Type

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

The standard version includes a GH TouchHMI panel which enables the generator parameters display and configuration, as well as a rack for external access to the generator control cards.

The PM generator is the most suitable solution for medium and high powers in induction heating applications at medium frequencies between 100 and 300 kHz.



Transithermic® PH 150 kW view

PH type transistor generator for induction heating Medium frequency with parallel oscillating circuit

General features

- Design for parallel oscillating circuit
- Modular design with plug-in power control cards
- Optimal working frequency range: 100 to 300 kHz
- Power: 75 kW to 200 kW
- Input voltage: 380 – 480 V; 50 or 60 Hz
- Efficiency: up to 90%
- Protection: IP 54 (standard) or IP 55
- MPC-2 control
- Optional Field Bus interfaces

The Transithermic® transistor generators can work in variable frequencies. The frequency is automatically coupled to the load, in every application, inside a wide range.

Technical features

Output continuous power	kW	75	100	150	200	300	400
Type		75PH300	100PH300	150PH300	200PH300	300PH300	400PH300
Frequency	kHz	[100, 300]					
Output continuous power	kW	75	100	150	200	200	200
Voltage supply	V _{ac}	380-480 ⁽²⁾	380-480 ⁽²⁾	380-480 ⁽²⁾	380-480 ⁽²⁾	380-480 ⁽²⁾	380-480 ⁽²⁾
Generator width	in/mm	86,6/2200	86,6/2200	86,6/2200	118,1/3000	126/3200	157,5/4000
Generator depth	in/mm	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800
Generator height	in/mm	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800
Base Socket ⁽¹⁾	in/mm	3,93 or 7,87 / 100 or 200				7,87/200	7,87/200
Water temperature min/max	°F/°C	[68, 86] / [20, 30]					
Water supply		1"	1"	1"	1-1/4"	1-1/4"	1-1/2"
Waterflow	gpm/lpm	10,3/39	11,9/45	11,2/65	27,5/104	36,7/139	43/163

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

Note (2): An external 330Vac input transformer is needed