

Induction heating transistor generators PM Type

The PM power generator series includes 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 DCP (Digital Control 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 0,5 and 150 kHz.



PM 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
- Frequency: 0,5 kHz to 150 kHz; For 800,1600, 2400kW [0'3, 4] kHz
- Power: 50 kW to 2400 kW
- Input voltage: 380 – 440 V; 50 or 60 Hz
- Efficiency: up to 90%
- Protection: IP 54 (standard) or IP55
- DCP (Digital Control Panel) included in the standard version
- 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

Type		50PM	100PM	150PM	200PM	250PM	300PM	400PM	500PM	600PM	800PM	1600PM	2400PM			
Output continuous power	kW	50	100	150	200	250	300	400	500	600	800	1.600	2.400			
Frequency	kHz	[0.5, 150]										[0.3, 4]				
Power supply	kVA	65	130	195	260	325	390	520	650	780	1.040	2.080	3.120			
Voltage supply		380 - 480 VAC 50/60 Hz										750 VAC 50/60 Hz				
Generator width	in/mm	64,6/1640			64,6/1640(*)			82,7/2100(*)		106,3/2700(*)		122/3100(*)		181,1/4600	216,5/5500	
Generator depth	in/mm	31,5/800			31,5/800			35,4/900		35,4/900		35,4/900		35,4/900		
Generator height	in/mm	78,8/2000			78,8/2000			78,7/2000		78,7/2000		78,7/2000		78,7/2000		
Width with cooling system	in/mm	100/2540			100/2540(*)			122/3100(*)		145,7/3700(*)		161,4/4100(*)		244,4/5700		259,6/6600
Depth with cooling system	in/mm	31,5/800			31,5/800			35,4/900		35,4/900		35,4/900		35,4/900		
Height with cooling system	in/mm	78,8/2000			78,8/2000			78,7/2000		78,7/2000		78,7/2000		78,7/2000		
Water temperature min/max	°F/°C	[68, 98,6] / [20, 37]														
Water supply		1"		1"(*)		1 1/4"(*)		1 1/2"		2"						
Waterflow	gpm/lpm	7,6/29	10,3/39	11,3/43(*)	14,5/33(*)	19,5/74(*)	24,3/92(*)	28,5/108(*)	35,4/134(*)	37,5/142(*)	42,3/160(*)	47/175	51,8/196			

(*) Depends on the final frequency range. Consult with GH Group