

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
- Frequency: 0,5 kHz to 150 kHz
- Power: 50 kW to 800 kW
- Input voltage: 380 – 440 V; 50 or 60 Hz
- Efficiency: up to 90%
- Modular design with plug-in power control cards
- 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
Output continuous power	kW	50	100	150	200	250	300	400	500	600	800
Frequency		[0.5, 150 kHz]									
Power supply	kVA	65	130	195	260	325	390	520	650	780	1.040
Voltage supply		380 - 440 VAC 50/60 Hz									
Generator width	mm	2.200	2.200	2.200	2.200	2.200	2.200	2.200	3.400	3.400	3.400
Generator depth	mm	800	800	800	800	800	800	800	900	900	900
Generator height	mm	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Width with R-3 cooling system	mm	3.000	3.000	3.000	3.000	3.000	3.100	3.100	4.300	4.300	4.300
Depth with R-3 cooling system	mm	800	800	800	800	800	800	800	900	900	900
Height with R-3 cooling system	mm	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Water temperature min/max		20°C / 37°C									
Water supply		1"	1"	1"	1"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Waterflow	l/min	30	40	45	55	75	105	105	130	140	150

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