

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 GH TouchHMI 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.



Transithermic® PM 250 kW view

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
- 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			
Model	Units	75PM150	100PM150	150PM100	150PM150	200PM50	200PM150	300PM100	300PM150
Frequency	kHz	[20, 150]	[20, 150]	[20,100]	[100, 150]	[20,50]	[50, 150]	[20,100]	[100, 150]
Power supply	kVA	98	130	195	195	260	260	390	390
Voltage supply	Vac	380-480	380-480	380-480	380-480	380-480	380-480	380-480	380-480
Generator width	in/mm	78,7/2000	78,7/2000	78,7/2000	78,7/2000	78,7/2000	78,7/2000	86,6/2200	110,2/2800
Generator depth	in/mm	31,5/800	31,5/800	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	70,9/1800	70,9/1800
Base Socket ⁽¹⁾	in/mm	3,93 or 7,87 / 100 or 200							
Water T° min/max	°F/°C	[68, 95] / [20, 35]							
Water supply		1"	1"	1"	1"	1"	1"	1-1/4"	1-1/4"
Waterflow	gpm/lpm	10,3/39	11,9/45	12,9/49	11,7/67	14/53	20,3/77	30,1/114	36,5/138

Output continuous power	400			500			600			800		
Model	400PM50	400PM100	400PM150	500PM50	500PM100	500PM150	600PM50	600PM100	600PM150	800PM50	800PM100	800PM150
Frequency	[20, 50]	[50, 100]	[100, 150]	[20, 50]	[50, 100]	[100, 150]	[20, 50]	[50, 100]	[100, 150]	[20, 50]	[50, 100]	[100, 150]
Power supply	520	520	520	650	650	650	780	780	780	1040	1040	1040
Voltage supply	380-480	380-480	380-480	380-480	380-480	380-480	380-480	380-480	380-480	380-480	380-480	380-480
Generator width	86,6/2200	110,2/2800	110,2/2800	110,2/2800	110,2/2800	133,8/3400	149,6/3800	149,6/3800	173,2/4400	149,6/3800	173,2/4400	196,8/5000
Generator depth	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800	31,5/800
Generator height	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800	70,9/1800
Base Socket ⁽¹⁾	3,93 or 7,87 / 100 or 200			7,87/200	7,87/200	7,87/200	7,87/200	7,87/200	7,87/200	7,87/200	7,87/200	7,87/200
Water T° min/max	[68, 95] / [20, 35]											
Water supply	1-1/4"	1-1/4"	1-1/2"	1-1/4"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"
Waterflow	30,1/114	36,5/138	42,8/162	38,6/146	44,9/170	51,3/194	40,7/154	47/178	59,7/226	48,6/184	61,3/232	74/280