

## Induction heating compact generator HM model

The HM model induction heating power supply represents an exciting new alternative for precision industrial heating applications.

With 10 kW, 20 kW and 60 kW of output power over a wide 50 to 150 kHz operating frequency range, the HM model is ideal for applications such as brazing, shrink fitting, annealing, curing and tempering.

**The “Tune function” allows an automatic search of the resonant frequency.**

With a fully digital, compact design, the HM model delivers maximum reliability and repeatability in a small footprint.

For process control, the HM model offers a choice of local or remote control operation. The large front panel MPC-1 liquid crystal display offers up to 16 different heating programs for local operation and 4 in remote control mode.

Remote operations are handled through external signals.

The heating station can be externally located. The output circuit is based on parallel tank with an internal load matching system.

Parameter controls include power and voltage regulation; the LCD also provides alarms and threshold visualization.

The main benefits of HM model are increased productivity and parts quality; energy savings and reduced production costs; easy to operate; full process control; environmentally-friendly process with low noise level and no toxic gases.



20HM150 front view

- 50 - 150 kHz
- Tune function
- External Heating Station
- Local or remote operation
- Up to 16 heating programs

## LLC type transistor generator for induction heating Medium frequency with hybrid oscillating circuit

### Basic configuration

- Fully digital power converter controller
- Local operations through display MPC-1: monochrome LCD, alphanumeric, 320 mm height x 240 mm width
- Parameter control: power and voltage regulation; alarm and threshold visualization
- Remote operations through external signals
- 16 heating programs in local operation and 4 in remote operation: 9 steps time/power, time/energy, time/T<sup>a</sup> (with pyrometer or thermocouple)
- Languages: English, Spanish, French, German, Italian, Portuguese, other on request
- External emergency stop signal
- Hardware interface: digital and analog inputs and outputs



20HM150 rear view

### Optional features

- Compact water cooling or chiller
- Pyrometer or thermocouple (closed-loop T<sup>a</sup> control)
- Footswitch

### Technical features

Output continuous power max.	kW	10	20	65
Type		10HM150	20HM150	60HM150
Frequency	kHz	[50,150]	[50,150]	[35,150]
Output continuous power	kW	10	20	65 [35, 75] kHz 55 [75, 100] kHz 45 [100, 150] kHz
Power supply	kVA	13	26	84,5 / 71,5 / 58,5
Voltage supply	VAC	380 - 480, 50/60 Hz		
Generator width	in/mm	17/432	17/432	17/432
Generator depth	in/mm	26,2/665	26,2/665	33,3/845
Generator height	in/mm	18/458	18/458	30,5/775,5
Generator weight	lb/kg	94,8/43,7	94,8/43,7	209,5/95
Water temperature min/max	°F/°C	[68, 95] / [20, 35]		
Water supply		1/2"	1/2"	1/2"
Waterflow	gpm/lpm	2,6/10	2,6/10	5,2/20