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.

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

20HM150 front view

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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/Tº (with pyrometer of thermocouple)
- Languages: English, Spanish, French, German, Italian, Portuguese, other on request
- External emergency stop signal
- Hardware interface: digital and analog inputs and outputs

Optional features
- Compact water cooling or chiller
- Pyrometer or thermocouple (closed-loop Tº control)
- Footswitch

Technical features

<table>
<thead>
<tr>
<th>Output continuous power max.</th>
<th>kW</th>
<th>10</th>
<th>20</th>
<th>65</th>
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<tbody>
<tr>
<td>Type</td>
<td></td>
<td>10HM150</td>
<td>20HM150</td>
<td>60HM150</td>
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<tr>
<td>Frequency</td>
<td>kHz</td>
<td>[50,150]</td>
<td>[50,150]</td>
<td>[35,150]</td>
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<tr>
<td>Output continuous power</td>
<td>kW</td>
<td>10</td>
<td>20</td>
<td>65 [35, 75] kHz, 55 [75, 100] kHz, 45 [100, 150] kHz</td>
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<td>Power supply</td>
<td>kVA</td>
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<td>26</td>
<td>84.5 / 71.5 / 58.5</td>
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<td>Voltage supply</td>
<td>VAC</td>
<td>380 - 480, 50/60 Hz</td>
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<tr>
<td>Generator width</td>
<td>in/mm</td>
<td>17/432</td>
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<td>Generator depth</td>
<td>in/mm</td>
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<td>26.2/665</td>
<td>33.3/845</td>
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<td>Generator height</td>
<td>in/mm</td>
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<td>18/458</td>
<td>30.5/775.5</td>
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<tr>
<td>Generator weight</td>
<td>lb/kg</td>
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<td>94.8/43.7</td>
<td>209.5/95</td>
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<td>Water temperature min/max</td>
<td>°F/ºC</td>
<td>[68, 95] / [20, 35]</td>
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<td>1/2&quot;</td>
<td>1/2&quot;</td>
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<td>Waterflow</td>
<td>gpm/lpm</td>
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<td>2.6/10</td>
<td>5.2/20</td>
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