

## Technical data sheet

### Induction Heater IH 090

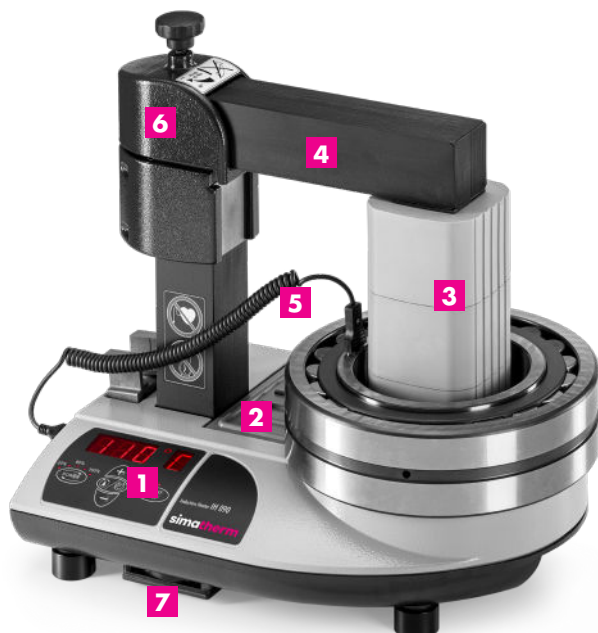


#### Medium-sized heater for bearings up to 150 kg

The medium-sized simatherm induction heater for roller bearings and other circular metal workpieces up to 400 mm bore diameter and a cross section of 145 x 205 mm. With the integrated time and temperature controls, roller bearings can be heated to the prescribed 110°C while other circular metal workpieces can be heated to 250°C.

- Three yokes included
- Very compact design – including the three yokes, only 38 kg overall weight
- Swivel arm
- Other power versions are available upon request

#### Description of IH 090



- 1 Clear control panel with LED-display
- 2 Heating surface
- 3 Induction coil outside of the housing shortens the heating time and reduces the energy usage
- 4 Support yoke (three yokes included)
- 5 Magnetic temperature probe for monitoring the bearing temperature and for preventing overheating
- 6 Swivel arm
- 7 Cooling fan

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### Induction Heater IH 090

<b>Designation</b>	Heater for medium workpieces (with cooling fan for continuous operation)
<b>Voltage V / Hz / power</b>	400 V / 50 Hz / 6.4 kVA 440 – 480 V / 50–60 Hz / 7.4 kVA 575 V / 60 Hz / 9.2 kVA
<b>Workpiece</b>	
- Maximum weight	150 kg
- Bore diameter	20 – 400 mm
<b>Temperature control</b>	
- Range	20 – 250°C (68 - 482°F)
- Magnetic probe	yes, type K
- Accuracy	± 3°C
<b>Time control</b>	
- Range	0 – 60 minutes
- Accuracy	± 0.01 seconds
<b>Maximum temperature (approx.)</b>	250°C (482°F)
<b>Thermometer mode</b>	yes
<b>Bearing temperature mode</b>	yes
<b>Power reduction</b>	5 levels / 20-40-60-80-100%
<b>Automatic demagnetization / residual magnetism</b>	yes / < 2A/cm
<b>Suitable for heating sealed bearings</b>	yes
<b>Suitable for heating pre-greased bearings</b>	yes
<b>Error guide codes</b>	yes
<b>Thermal overload protection</b>	yes
<b>Maximum magnetic flux</b>	1.5 T
<b>Control panel</b>	keyboard with LED-display
<b>Size of the operating area (WxH)</b>	145 x 205 mm
<b>Coil diameter</b>	115 mm
<b>Measurements (LxWxH)</b>	420 x 280 x 420 mm
<b>Overall weight including yokes</b>	38 kg
<b>Number of standard yokes</b>	3
<b>Standard yokes</b>	55 x 55 x 275 mm for bearings with a bore diameter of at least 78 mm 28 x 28 x 275 mm for bearings with a bore diameter of at least 40 mm 14 x 14 x 275 mm for bearings with a bore diameter of at least 20 mm
<b>Core cross section</b>	55 x 55 mm
<b>Yoke storage</b>	yes, integrated
<b>Cooling fan</b>	standard
<b>Swivel arm</b>	yes



#### Features and Dimensions IH 090

- Can heat bearings weighing 90 kg in 20 minutes from 20°C to 110°C, saving time and energy
- 5 different power consumption levels, along with smaller yokes, allow smaller bearings to be heated quickly and efficiently with less energy
- A pre-selected temperature of 110°C protects bearings from overheating
- Automatic demagnetization
- Delivered in a reusable wooden crate upon request
- 3 year manufacturer warranty