

Induction Heater IH 090

Medium-sized heater for bearings up to 120 kg

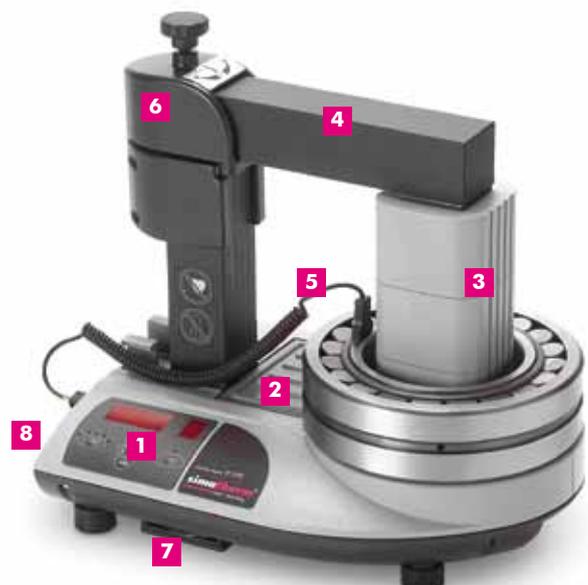


The medium-sized simatherm induction heater for roller bearings and other circular metal workpieces up to 400 mm bore diameter and a cross section of 145 x 205 mm. With the integrated time and temperature controls, roller bearings can be heated to the prescribed 110°C while other circular metal workpieces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



Technical Data IH 090

Designation	Heater with cooling fan for continuous operation with small to medium workpieces
Voltage V / Hz / power	400 V / 50 Hz / 6.4 kVA 440 – 480 V / 50–60 Hz / 7.4 kVA 575 V / 60 Hz / 9.2 kVA
Workpiece	
- Maximum weight	120 kg
- Bore diameter	20 – 400 mm
Temperature control	
- Range	0 – 250°C
- Magnetic probe	yes, type K
- Accuracy	± 3°C
Time control	
- Range	0 – 60 minutes
- Accuracy	± 0.01 seconds
Maximum temperature (approx.)	400°C
Thermometer mode	yes
Bearing temperature mode	yes
Power reduction	4 levels / 20-40-60-80%
Automatic demagnetization / residual magnetism	yes / < 2A/cm
Suitable for heating sealed bearings	yes
Suitable for heating pre-greased bearings	yes
Error guide codes	yes
Thermal overload protection	yes
Maximum magnetic flux	1.5 T
Control panel	keyboard with LED-display
Size of the operating area (WxH)	145 x 205 mm
Coil diameter	115 mm
Measurements (LxWxH)	420 x 280 x 420 mm
Overall weight including yokes	38 kg
Number of standard yokes	3
Standard yokes	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
Core cross section	55 x 55 mm
Yoke storage	yes, integrated
Cooling fan	standard
Swivel arm	yes
Housing material	aluminum

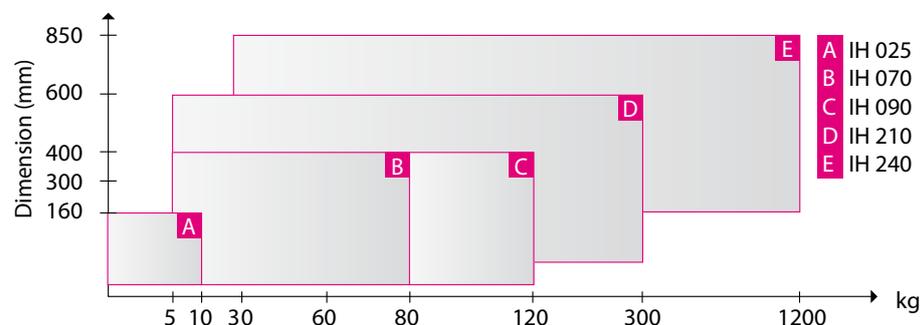
Features and Dimensions IH 090

- Can heat bearings weighing 90 kg in 20 minutes from 20°C to 110°C, saving time and energy
- 4 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



The right heater for your needs

When choosing the simatherm heater to suit your needs, everything essentially depends on the dimensions and weight of the workpieces. The graphic serves as a selection guide.



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