

# Induction Heater IH 210

Large heater for bearings up to 300 kg

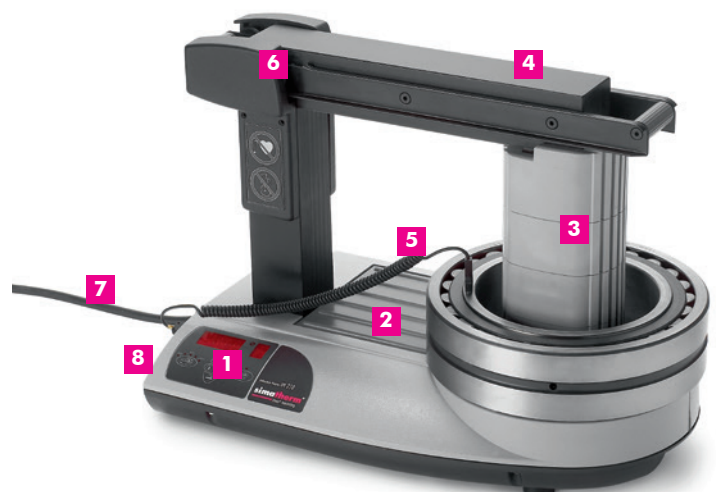


The large simatherm induction heater for roller bearings and other circular metal workpieces up to 640 mm bore diameter and a cross section of 250 x 250 mm. With the integrated time and temperature controls, roller bearings can be heated to the prescribed 110°C while other circular metal workpieces can be heated to 400°C.

- Sliding yoke allows easy loading and unloading
- Very compact design – including the yokes, only 75 kg overall weight
- Other power versions are available upon request
- Special executions with fans or an increased work area available upon request

## Description of IH 210

- 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 (two yokes included)
- 5 Magnetic temperature probe for monitoring the bearing temperature and for preventing overheating
- 6 Sliding yoke
- 7 Cable
- 8 Main switch



## Technical Data IH 210

<b>Designation</b>	Heater for large workpieces
<b>Voltage V / Hz / power</b>	400 V / 50 Hz / 10.0 kVA 440-480 V / 50-60 Hz / 11.5 kVA 575 V / 60 Hz / 10.4 kVA
<b>Workpiece</b>	
- Maximum weight	300 kg
- Bore diameter	60 – 640 mm
<b>Temperature control</b>	
- Range	0 – 250°C
- Magnetic probe	yes, type K
- Accuracy (electronic)	± 3°C
<b>Time control</b>	
- Range	0 – 60 minutes
- Accuracy	± 0.01 seconds
<b>Maximum temperature (approx.)</b>	400°C
<b>Thermometer mode</b>	yes
<b>Bearing temperature mode</b>	yes
<b>Power reduction</b>	4 levels / 20-40-60-80%
<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 magnetic flux</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>	250 x 250 mm
<b>Coil diameter</b>	135 mm
<b>Measurements (LxWxH)</b>	600 x 350 x 420 mm
<b>Overall weight including yokes</b>	75 kg
<b>Number of standard yokes</b>	2
<b>Standard yokes</b>	70 x 70 x 420 mm for bearings with a bore diameter of at least 100 mm 40 x 40 x 420 mm for bearings with a bore diameter of at least 60 mm
<b>Core cross section</b>	70 x 70 mm
<b>Yoke storage</b>	yes, integrated
<b>Sliding yoke</b>	yes
<b>Cooling fan</b>	optional
<b>Housing material</b>	aluminum

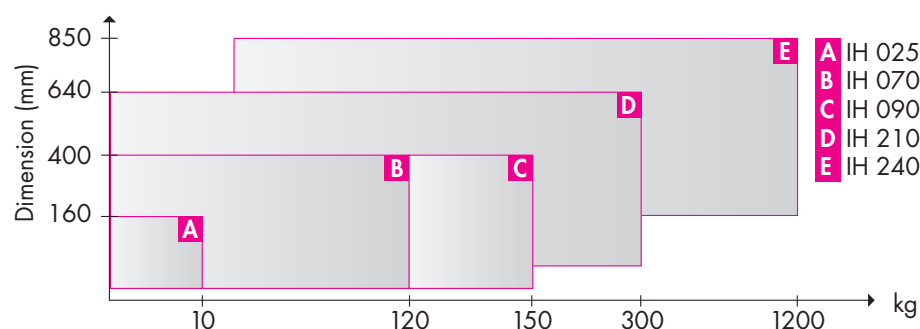
## Features and Dimensions IH 210

- Can heat a bearing weighing 210 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.



### simatec ag

Stadthof 2  
CH-3380 Wangen a. Aare

Tel.: +41 (0)32 636 50 00  
Fax: +41 (0)32 636 50 19  
welcome@simatec.com  
www.simatec.com

**simatec**  
smart technologies