

Technical Data Sheet

Induction Heater IH 210

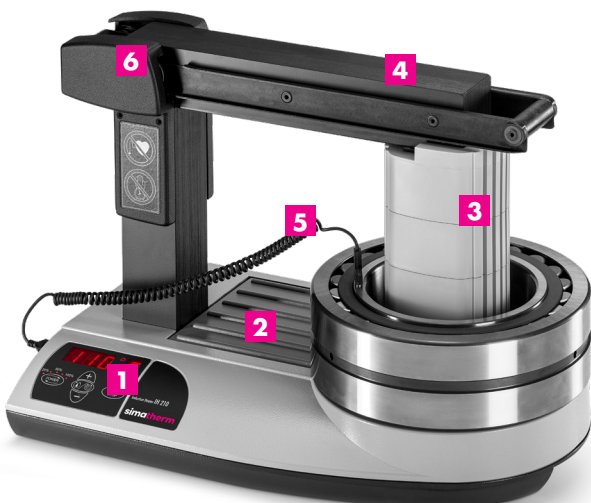


Large heater for bearings up to 300 kg

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 250°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

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Designation	Heater for large workpieces
Voltage V / Hz / power	400 V / 50 Hz / 10.0 kVA 440-480 V / 50-60 Hz / 11.5 kVA 575 V / 60 Hz / 10.4 kVA
Workpiece	
- Maximum weight	300 kg
- Bore diameter	60 – 640 mm
Temperature control	
- Range	20 – 250°C (68 - 482°F)
- Magnetic probe	yes, type K
- Accuracy (electronic)	± 3°C
Time control	
- Range	0 – 60 minutes
- Accuracy	± 0.01 seconds
Maximum temperature (approx.)	250°C (482°F)
Thermometer mode	yes
Bearing temperature mode	yes
Power reduction	5 levels / 20-40-60-80-100%
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 magnetic flux	yes
Maximum magnetic flux	1.5 T
Control panel	keyboard with LED-display
Size of the operating area (WxH)	250 x 250 mm
Coil diameter	135 mm
Measurements (LxWxH)	600 x 350 x 420 mm
Overall weight including yokes	75 kg
Number of standard yokes	2
Standard yokes	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
Core cross section	70 x 70 mm
Yoke storage	yes, integrated
Sliding yoke	yes
Cooling fan	optional
Housing material	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
- 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