

Technical data sheet

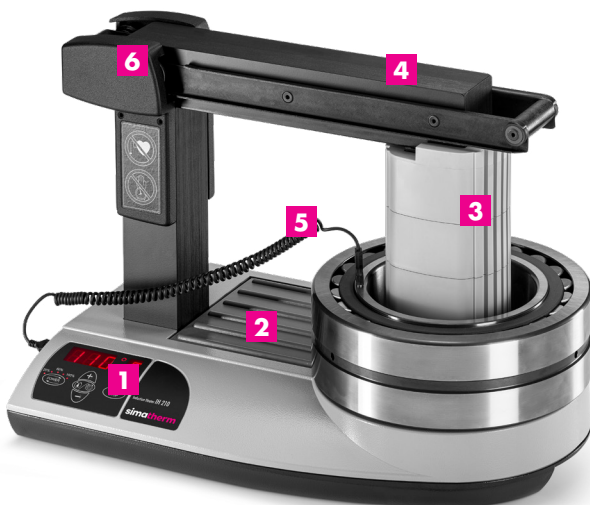
Induction Heater IH 210-XL



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 375 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 80 kg overall weight
- Other power versions are available upon request



Description of IH 210-XL

- 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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Induction Heater IH 210-XL

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
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 375 mm
Coil diameter	135 mm
Measurements (LxWxH)	600 x 350 x 548 mm
Overall weight including yokes	80 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-XL

- 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