

# Induction Heater IH 070

Medium-sized heater for bearings up to 80 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 35 kg overall weight
- Swivel arm is available as an option
- Other power versions are available upon request

## Description IH 070

- 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 consumption
- 4 Support yoke (three yokes included)
- 5 Magnetic temperature probe for monitoring the bearing temperature and for preventing overheating
- 6 Cable
- 7 Main switch

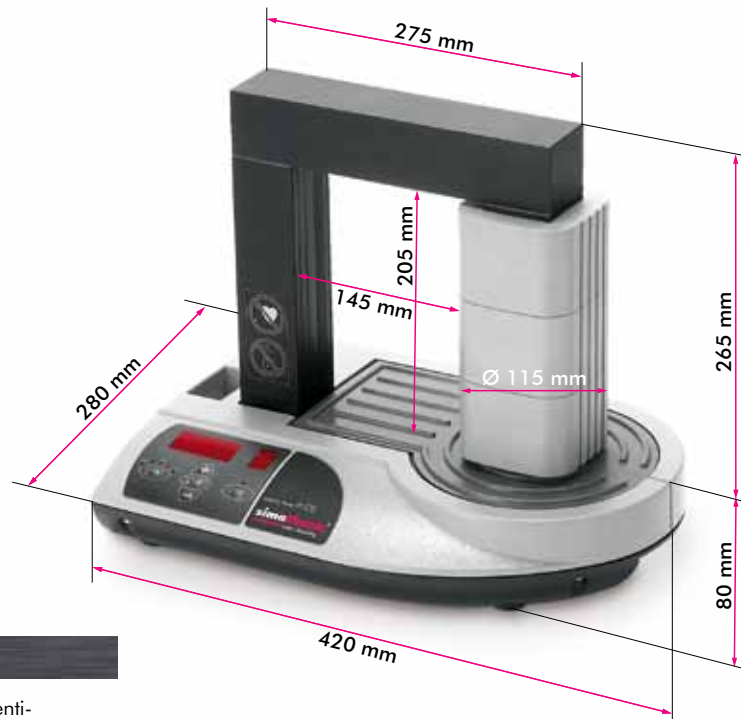


## Technical Data IH 070

<b>Designation</b>	Heater for small to medium workpieces
<b>Voltage V / Hz / power</b>	100 V / 50 – 60 Hz / 1.5 kVA 110 – 120 V / 60 Hz / 3.7 kVA 220 – 240 V / 50 – 60 Hz / 3.7 kVA
<b>Workpiece</b>	
- Maximum weight	80 kg
- Bore diameter	20 – 400 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 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 345 mm
<b>Overall weight including yokes</b>	35 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>Swivel arm</b>	optional
<b>Housing material</b>	aluminum

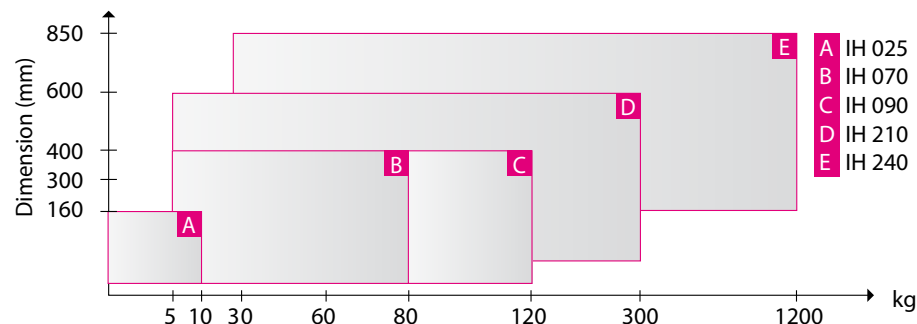
## Features and Dimensions IH 070

- Can heat a bearing weighing 65 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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