

# Induction Heater IH 025 VOLCANO

## Portable induction heater for bearings weighing up to 10 kg



The portable simatherm induction heater for roller bearings and other circular iron workpieces with an inner diameter as small as 20 mm up to an outer diameter of 160 mm. With the integrated time and temperature controls, roller bearings can be heated to the prescribed 110°C while other circular iron workpieces can be heated to 180°C.



- Portable, compact and very light (3.5 kg)
- Silent operation
- No support yokes required – simply place the workpiece on the tool
- PTC (Predictive Temperature Control) for automatic temperature monitoring

### Description of IH 025 VOLCANO

- 1 Clearly arranged control panel with LED-display
- 2 Cone-shaped heating surface
- 3 Carrying handle
- 4 Magnetic temperature probe for monitoring the bearing temperature and for preventing overheating
- 5 Main switch
- 6 Cable for 230 V
- 7 Rubber feet
- 8 Probe holding pad



## Technical Data IH 025 VOLCANO

<b>Designation</b>	Heater for small workpieces
<b>Voltage V / Hz / power</b>	220 – 240 V / 50 – 60 Hz / 1.5 kVA 110 – 120 V / 50 – 60 Hz / 1.15 kVA 100 V / 50 – 60 Hz / 1.0 kVA
<b>Workpiece</b>	
- Maximum weight	10 kg
- Bore diameter	From 20 mm inner diameter to 160 mm outer diameter
<b>Temperature control</b>	
- Range	20 – 180°C (68–356°F)
- Magnetic probe	yes, type K
- Accuracy (electronic)	± 3°C to 110°C (± 6°F to 230°F)
<b>Time control</b>	
- Range	0 – 10 minutes, in steps of 0.1 minutes
- Accuracy	± 0.01 seconds
<b>Maximal temperature (approx.)</b>	180°C (356°F)
<b>Thermometer mode</b>	yes
<b>Bearing temperature mode</b>	yes
<b>Power reduction</b>	4 levels/ 20-40-60-80% (at each level, the performance can be additionally halved)
<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>Control panel</b>	keyboard with LED-display
<b>Dimensions (LxWxH)</b>	340 x 250 x 64 mm (over the cone 121 mm)
<b>Overall weight</b>	3.5 kg
<b>Housing material</b>	plastic
<b>Cooling fan</b>	yes

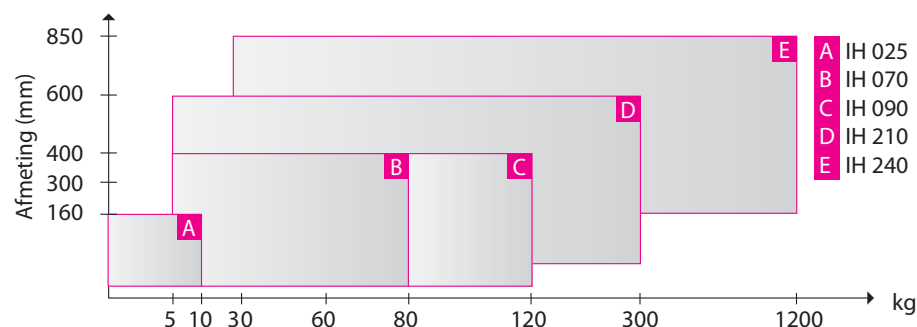
## Features and Dimensions IH 025 VOLCANO

- Can heat a bearing weighing 10 kg from 20°C to 110°C in 6 minutes, saving time and energy
- Four different power consumption levels 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
- Comes in a practical carrying case
- 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