

A WORLD FIRST

# The portable simatherm IH 025 VOLCANO induction heater



**simatherm VOLCANO – The lightweight portable device with convincing performance**

The **simatherm IH 025 VOLCANO** marks the start of a new era in the field of portable induction heaters. The patented technology enables outstanding heating performance from an extremely light structure. The VOLCANO can heat roller bearings with an inner diameter as small as 20 mm up to an outer diameter of 160 mm and a weight of up to 10 kg. To do this, simply place the workpiece onto the VOLCANO's cone shaped heating surface.

- Portable, compact and very light (3.5 kg)
- A bearing weighing 5 kg can be heated to 110°C in under four minutes
- Silent in operation
- No support yoke required – simply place the workpiece on the device
- Predictive temperature control (PTC) for automatic temperature monitoring



**simatherm**<sup>®</sup>  
smart mounting

# VOLCANO

Induction Heater IH 025



## Contents of delivery

- IH 025 VOLCANO induction heater
- Temperature probe
- Protective gloves
- Instructions for use
- Carrying case

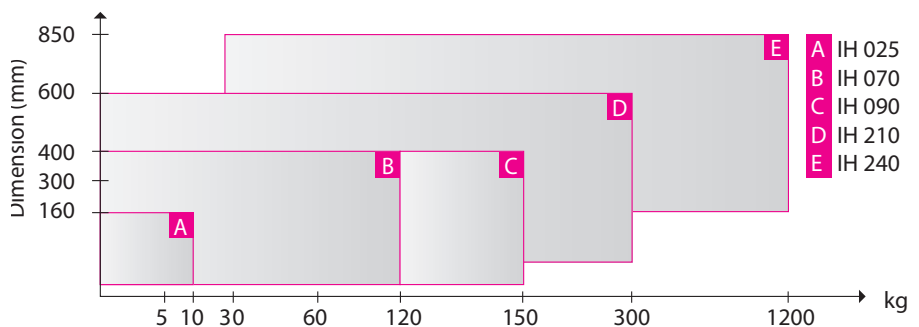
The IH 025 VOLCANO operates in the high-frequency range, making it extremely efficient. The device also offers an integrated time and temperature regulation. The integrated predictive temperature control (PTC) function ensures that the workpiece is heated evenly and the selected temperature is achieved precisely and quickly – with no risk of overheating.

In addition to roller bearings, the IH 025 VOLCANO is also suited for heating other circular ferritic metal components such as gear wheels, pulleys, bushings, flanges, bearing rings, pinions and shrink rings.

The device is very light, and it can easily be carried to where it is needed. The IH 025 VOLCANO can also be used in tight spaces without difficulty and is extremely easy to operate: insert the plug, connect the temperature probe to the inner ring of the workpiece and begin heating.

## Technical data

Portable IH 025 VOLCANO induction heater	Heater for small workpieces for use in a variety of work places
Voltage and power options	230 V, 6.5 A, 50/60 Hz, 1.5 kVA 115 V, 10 A, 50/60 Hz, 1.5 kVA 100 V, 10 A, 50/60 Hz, 1.0 kVA
Recommended circuit protection	Up to 230 V, 10 A circuit breaker Up to 100/115 V, 16 A circuit breaker
Workpiece <ul style="list-style-type: none"> <li>• Maximum weight</li> <li>• Internal diameter</li> <li>• External diameter</li> </ul>	10 kg (ferritic metals) 20 mm or above Up to 160 mm
Automatic temperature system <ul style="list-style-type: none"> <li>• Control range</li> <li>• Magnetic sensor</li> <li>• Accuracy (electronics)</li> </ul>	20–180 °C, in steps of 1 °C (max. 180 °C) K-type ± 3 °C up to 110 °C
Automatic time system <ul style="list-style-type: none"> <li>• Timescale</li> </ul>	0–10 minutes, in steps of 0.1 minutes
Power reduction	4 levels/ 20-40-60-80%
Dimensions	340 x 250 x 64 mm (over cone – 121 mm)
Weight of device	3.5 kg



## The right device for your application

Choosing a simatherm heater depends mainly on the dimensions and weight of the workpieces to be heated. This diagram is intended to help you decide.

## simatherm induction heaters



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