

Technical data sheet

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

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