

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 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 | 8 levels / 10-20-30-40-50-60-80-100% |
| 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 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
- Eight 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