

# TIH 030M/230VSKF Induction

## Heater TIH 030M (230V version)

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The SKF TIH 030M is a small induction heater and is designed for the hot mounting of bearings. This compact heater is ideal for use on workbenches, yet it can be easily carried for on-site applications. Supplied with three yokes and foldable support arms, the heater is capable of heating bearings with a bore diameters of 20 mm or more and with a maximum weight of 40 kg.

- Easy and safe to use with automatic temperature control or time controlled heating
- Automatic demagnetization reduces risk of bearing contamination
- Suitable for non-bearing applications for workpieces weighing up to 20 kg
- Automatic temperature hold function to keep the bearing hot after completion of the heating cycle

## Overview

### Dimensions

|                         |                    |
|-------------------------|--------------------|
| Workpiece bore diameter | 20 to 300 mm       |
| Operating area height   | 135 mm             |
| Operating area width    | 100 mm             |
| Coil diameter           | 95 mm              |
| Dimensions (W x L x H)  | 195 x 450 x 210 mm |

### Performance

|  |                                     |
|--|-------------------------------------|
| Heating performance example (bearing, weight, temperature, time) | 23136 CC/W33, 28 kg, 110 °C, 20 min |
|--|-------------------------------------|

### Properties

|                             |                       |
|-----------------------------|-----------------------|
| Workpiece weight (max)      | 40 kg                 |
| Heating temperature (max)   | 250 °C                |
| Power consumption (max)     | 2 kVA                 |
| Voltage                     | 220 – 240 V           |
| Voltage frequency           | 50 – 60 Hz            |
| Heating temperature steps   | 1 °C                  |
| Heating temperature control | 0 to 250 °C           |
| Temperature measurement     | Magnetic probe K-type |
| Heating time steps          | 0.1 min               |
| Heating time control        | 0.1 - 60 minutes min  |

|   |   |
|---|---|
| Thermometer mode                                    | Yes                                       |
| Time mode   | Yes                                       |
| Power setting                                       | 50%<br>100%                               |
| Remote control panel (wired)                        | Yes, with LED display                     |
| Demagnetisation after heating (according SKF norms) | < 2 A/cm A/cm                             |
| Error guiding codes                                 | Yes                                       |
| Thermal overload protection                         | Yes                                       |
| Cooling fan   | No  |
| Colour  | Light grey, black                         |
| Housing material                                    | Steel<br>Glass fibre reinforced polyamide |
| Bearing support arms                                | Yes, foldable                             |
| Yoke storage  | Yes, internal                             |
| Main yoke type                                      | Loose yoke                                |
| Total product weight                                | 27 kg                                     |

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