

Image may differ from product. See technical specification for details.

# TIH 030M/230V

## SKF Induction Heater TIH 030M (230V version)

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 | 220.0 – 240.0 V |
| Voltage frequency | 50.0 – 60.0 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 |
| Error guiding codes | Yes |
| Thermal overload protection | Yes |
| Cooling fan | No |
| Colour | Light grey, black |
| Housing material | Steel<br>Glass fibre filled polyamide |
| Bearing support arms | Yes, foldable |
| Yoke storage | Yes, internal |
| Main yoke type | Loose yoke |
| Total product weight | 27 kg |

## Logistics

| | |
|---|---|
| Product net weight | 21.8 kg |
| eClass code | 23-05-19-01 |
| UNSPSC code | 40101831 |

# Compatible products

## Accessory

| | |
|---|---|
| Yoke 20 x 20 x 215 mm | TIH 030-Y3 |
| Yoke 40 x 40 x 215 mm | TIH 030-Y6 |
| Support yoke set of 2, 45x45x100 mm | TIH 030-YS |
| Induction heater trolley | TIH T1 |

## Spare part

| | |
|---|---|
| Anti-fretting paste | LGAF 3E/0.035 |
| Power print for TIH 030m, 230V, 50-60Hz | TIH 030-P230V |
| Yoke 14 x 14 x 215 mm | TIH 030-Y2 |
| Yoke 28 x 28 x 215 mm | TIH 030-Y4 |
| Yoke 45 x 45 x 215 mm | TIH 030-Y7 |
| Circuit breaker 10A for TIH 030m/230V, TIH 100m/MV | TIH CB10A |
| Control print TIH heater | TIH CP |
| Temperature probe, K type including. cable and plug for TIH 030M, TIH 100M, TIH 220M, TIH L33, TIH L44, TIH L77 (all versions, including. MB) | TIH P20 |
| Remote control for TIH 030m, TIH 100m, TIH 220m (all versions) | TIH RC |

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