

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

TIH 100M/230V

SKF Induction Heater TIH 100M (230V version)

The SKF TIH 100M is a medium sized induction heater and is designed for the hot mounting of bearings. This compact heater is ideal for use on workbenches and can easily be transported to on-site applications with the optional heater trolley TIH T1. The heater is supplied with a swivel yoke and two optional yokes for smaller bearings. The TIH 100M can heat small bearings with a bore diameter of just 20 mm and larger bearings with a maximum weight of 120 kg.

- Supplied with a swivel yoke and two smaller yokes, located in an integrated storage compartment
- 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 60 kg
- Automatic temperature hold function to keep the bearing hot after completion of the heating cycle

Overview

Dimensions

Workpiece bore diameter	20 to 400 mm
Operating area height	205 mm
Operating area width	155 mm
Coil diameter	110 mm
Dimensions (W x L x H)	230 x 570 x 350 mm

Performance

Heating performance example (bearing, weight, temperature, time)	23156 CC/W33, 97 kg, 110 °C, 20 min

Properties

Workpiece weight (max)	120 kg
Heating temperature (max)	250 °C
Power consumption (max)	3.6 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% 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 Glass fibre filled polyamide
Bearing support arms	Yes, foldable
Yoke storage	Yes, internal
Main yoke type	Swivel yoke, 56 x 56 mm
Total product weight	41.5 kg

Logistics

Product net weight	41 kg
eClass code	23-05-19-01
UNSPSC code	40101831

Compatible products

Accessory

Yoke 20 x 20 x 296 mm	TIH 100-Y3
Yoke 40 x 40 x 296 mm	TIH 100-Y6
Induction heater trolley	TIH T1

Spare part

Anti-fretting paste	LGAF 3E/0.035
Power print for TIH 100m, 220-240V, 50-60Hz	TIH 100-P230V
Swivel set for TIH 100m	TIH 100-SW
Yoke 14 x 14 x 296 mm	TIH 100-Y2
Yoke 28 x 28 x 296 mm	TIH 100-Y4
Yoke 56 x 56 x 296 mm with swivel head	TIH 100-Y8
Circuit breaker 16A for TIH 100m/230V	TIH CB16A
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

Terms of use

By accessing and using this website / app owned and published by AB SKF (publ.) (556007-3495 · Gothenburg) (“SKF”), you agree to the following terms and conditions:

Warranty Disclaimer and Limitation of Liability

Although every care has been taken to assure the accuracy of the information on this website / app, SKF provides this information "AS IS" and DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. You acknowledge that your use of this website / app is at your sole risk, that you assume full responsibility for all costs associated with use of this website / app, and that SKF shall not be liable for any direct, incidental, consequential, or indirect damages of any kind arising out of your access to, or use of the information or software made available on this website / app.

Any warranties and representations in this website / app for SKF products or services that you purchase or use will be subject to the agreed upon terms and conditions in the contract for such product or service.

Further, for non-SKF websites / apps that are referenced in our website / app or where a hyperlink appears, SKF makes no warranties concerning the accuracy or reliability of the information in these websites / apps and assumes no responsibility for material created or published by third parties contained therein. In addition, SKF does not warrant that this website / app or these other linked websites / apps are free from viruses or other harmful elements.

Third Party Services

When viewing YouTube content via the SKF website(s) (i.e. using YouTube API Services), you agree to be bound by the YouTube Terms of Service.

Copyright

Copyright in this website / app copyright of the information and software made available on this website / app rest with SKF or its licensors. All rights are reserved. All licensed material will reference the licensor that has granted SKF the right to use the material. The information and software made available on this website / app may not be reproduced, duplicated, copied, transferred, distributed, stored, modified, downloaded or otherwise exploited for any commercial use without the prior written approval of SKF. However, it may be reproduced, stored and downloaded for use by individuals without prior written approval of SKF. Under no circumstances may this information or software be supplied to third parties.

This website /app includes certain images used under license from Shutterstock, Inc.

Trademarks and Patents

All trademarks, brand names, and corporate logos displayed on the website / app are the property of SKF or its licensors, and may not be used in any way without prior written approval by SKF. All licensed trademarks published on this website / app reference the licensor that has granted SKF the right to use the trademark. Access to this website / app does not grant to the user any license under any patents owned by or licensed to SKF.

Changes

SKF reserves the right to make changes or additions to this website / app at any time.