

TIH 100M/230VSKF Induction

Heater TIH 100M (230V version)

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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
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Properties

Workpiece weight (max)	120 kg
Heating temperature (max)	250 °C
Power consumption (max)	3.6 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% 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 Glass fibre Glass fibre 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

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