

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






TIH 100M/230V

Medium induction heater

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

Operating area width	155 mm
Standard yokes for minimal workpiece bore diameter	20, 40, 65 mm
Optional yokes for minimal workpiece bore diameter	30, 60 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

Recommended applications	Fans and blowers Compressors Roller conveyors Bearing houses Gear boxes Electrical motors Pump installations Engines
Type	Induction heater, workshop bench
Series	TIH 100m
Heating method	Induction, low frequency
Suitable for mounting	Yes
Suitable for dismounting	No
Solid workpiece weight (max, mounting)	120 kg
Bearing weight (max)	120 kg
Workpiece bore diameter (mounting)	20 – 400 mm
Workpiece outer diameter	32 – 710 mm
Power consumption (max)	3.6 kVA
Workpiece width (max)	155 mm
Workpiece cross section height (max)	205 mm
Operating area height	205 mm
Coil diameter	110 mm
Main yoke type	Swivel yoke, 56 x 56 mm
Yoke storage	Yes, internal
Voltage	200-240 V
Voltage frequency	50 / 60 Hz
Current (max)	16 A
Temperature measurement	Magnetic probe K-type
Number of temperature sensors	1
Demagnetisation after heating	Yes
Error guiding codes	Yes
Thermal overload protection	Yes
Bearing support arms	Yes, foldable
Display	7 segment LED display
Forced air cooling	No
Power setting	No
Thermometer mode	Yes
Time mode	Yes
Remote control panel (wired)	Yes, with LED display
Heating time control	0 – 3600 s
Heating time steps	6 s
Heating temperature control	20 – 250 °C
Heating temperature steps	1 °C
Housing material	Steel Glass fibre filled polyamide
Colour	Grey Black
Content	Heater, Remote control, Temperature probe (TIH P20), 3 standard yokes (TIH 100-Y8, TIH 100-Y4, TIH 100-Y2), 1 pair of heat resistant gloves (TMBA G11), 1 tube of anti fretting paste (LAGF 3E/0.035) and 1 shucko mains plug

Logistics

Product net weight	40 kg
eClass code	23-05-19-01
UNSPSC code	40101831

Compatible products

Accessory

Accessory yoke for Medium induction heaters	TIH 100-Y3
Accessory yoke for Medium induction heaters	TIH 100-Y6
Induction heater trolley	TIH T1

Spare part

Anti-fretting agent	LGAF 3E/0.035
Heaters	TIH 100-P230V
Spare swivel set for Medium induction heater	TIH 100-SW
Spare yoke for Medium induction heaters	TIH 100-Y2
Spare yoke for Medium induction heaters	TIH 100-Y4
Spare yoke with swivel head for Medium induction heaters	TIH 100-Y8
Heaters	TIH CB16A
Heaters	TIH CP
Spare temperature probe, K type including. cable and plug for induction heaters	TIH P20
Spare remote control for Small, Medium and Large induction heaters	TIH RC

Terms of use