



SKF TIH 100M/MV

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.

Technical specifications

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)	60 kg
Bearing weight (max)	120 kg
Workpiece bore diameter (mounting)	Array mm
Workpiece outer diameter	Array mm
Power consumption (max)	4.6 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	400-460 V
Voltage frequency	50 / 60 Hz
Current (max)	10 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	50%, 100%
Thermometer mode	Yes
Time mode	Yes
Remote control panel (wired)	Yes, with LED display
Heating time control	Array s
Heating time steps	6 s
Heating temperature control	Array °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) and 1 tube of anti fretting paste (LAGF 3E/0.035)

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