



SKF TIH 220M/MV

Large induction heater

The SKF TIH 220M is a large induction heater and is designed for the hot mounting of bearings. This versatile 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 has a convenient sliding yoke and is supplied with an additional smaller yoke. The TIH 220M can heat bearings with a minimum bore diameter of 60 mm and larger bearings with a maximum weight of 300 kg.

Technical specifications

Dimensions	
Operating area width	250 mm
Standard yokes for minimal workpiece bore diameter	60, 100 mm
Optional yokes for minimal workpiece bore diameter	40 mm
Dimensions (W x L x H)	290 x 750 x 440 mm

Performance	
Heating performance example (bearing, weight, temperature, time)	23172 CC/W33, 220 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 floor
Series	TIH 220m
Heating method	Induction, low frequency
Suitable for mounting	Yes
Suitable for dismounting	No
Solid workpiece weight (max, mounting)	150 kg
Bearing weight (max)	300 kg
Workpiece bore diameter (mounting)	Array mm
Workpiece outer diameter	Array mm
Power consumption (max)	11.5 kVA
Workpiece width (max)	250 mm
Workpiece cross section height (max)	255 mm
Operating area height	255 mm
Coil diameter	140 mm
Main yoke type	Sliding yoke, 70 x 70 mm
Yoke storage	Yes, internal
Voltage	400-460 V
Voltage frequency	50 / 60 Hz
Current (max)	25 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), 2 standard yokes (TIH 220-Y67, TIH 220-Y10), 1 pair of heat resistant gloves (TMBA G11) and 1 tube of anti fretting paste (LAGF 3E/0.035)

Logistics	
Product net weight	85.4 kg
eClass code	23-05-19-01
UNSPSC code	40101831