

TIH 220M/MVSKF Induction Heater

TIH 220M (440V version)

SKF Induction Heater TIH 220M (440V version)



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.

- Supplied with standard sliding yoke and one smaller yoke 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 150 kg
- Automatic temperature hold function to keep the bearing hot after completion of the heating cycle

Overview

Dimensions

Workpiece bore diameter	60 to 600 mm
Operating area height	255 mm
Operating area width	250 mm
Coil diameter	140 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
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Properties

Workpiece weight (max)	300 kg
Heating temperature (max)	250 °C
Power consumption (max)	11.5 kVA
Voltage	400 – 460 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/nylon Glass fibre/nylon/epoxy
Bearing support arms	Yes, foldable
Yoke storage	Yes, internal
Main yoke type	Sliding yoke, 70 x 70 mm
Total product weight	140 kg

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