

SKF TIH 220M/LV

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.

- 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

Dimensions

Operating area width	9.8425 in
Standard yokes for minimal workpiece bore diameter	2.4, 3.9 in
Optional yokes for minimal workpiece bore diameter	1.6 in
Dimensions (W x L x H)	11.4 x 29.5 x 17.3 in

Performance

Heating performance example (bearing, weight, temperature, time)	23172 CC/W33, 474 lb, 230 °F, 20 min
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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)	331 lb
Bearing weight (max)	661 lb
Workpiece bore diameter (mounting)	1.5748 – 23.622 in

Workpiece outer diameter	2.0472 – 43.3071 in
Power consumption (max)	11.5 kVA
Workpiece width (max)	9.8425 in
Workpiece cross section height (max)	10.0394 in
Operating area height	10.0394 in
Coil diameter	5.5118 in
Main yoke type	Sliding yoke, 2.8 x 2.8 in
Yoke storage	Yes, internal
Voltage	200-240 V
Voltage frequency	50 / 60 Hz
Current (max)	50 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	0 – 3600 s
Heating time steps	6 s
Heating temperature control	68 – 482 °F
Heating temperature steps	33.8 °F
Housing material	Steel; Glass fibre filled polyamide
Colour	Grey;Black
Content	Heater, Remote control, Temperature probe (TIH P20), 2 standard yokes (TIH 220-Y6, TIH 220-Y10), 1 pair of heat resistant gloves (TMBA G11), 1 tube of anti fretting paste (LAGF 3E/0.035) and 1 shucko plug

Logistics

Country of Manufacturing (COM code)	16 - Netherlands
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Product net weight	191 lb
eClass code	23-05-19-01
UNSPSC code	40101831

Compatible products

Type	Designation	Description	Qty
Accessory	TIH 220-Y4	Accessory yoke for Large induction heaters	1
Accessory	TIH 220-YS	Accessory support yoke set for Large induction heaters	1
Spare part	LGAF 3E/0.035	Anti-fretting agent	1
Spare part	TIH 220-PLV	Heaters	1
Spare part	TIH 220-RS	Spare roller support (including. rollers and bearings) for Large induction heater	1
Spare part	TIH 220-SLDR	Spare set of 2 Sliding rails for Large induction heater	1
Spare part	TIH 220-Y10	Spare yoke for Large induction heaters	1
Spare part	TIH 220-Y6	Spare yoke for Large induction heaters	1
Spare part	TIH CB50A	Heaters	1
Spare part	TIH CP	Heaters	1
Spare part	TIH P20	Spare temperature probe, K type including. cable and plug for induction heaters	1
Spare part	TIH RC	Spare remote control for Small, Medium and Large induction heaters	1
Spare part	TIH SNUBBER	Heaters	1