

SKF TIH L44/MV

Extra large induction heater



The SKF TIH L44 is a very large induction heater and is designed for the hot mounting of bearings. This heater is characterized by a high heating performance for large bearings and a flexible design that allows bearing heating in either the horizontal or vertical position. The sliding yoke supports an ergonomic workflow and the heater can easily be transported by forklift. The TIH L44 can heat bearings with a minimum bore diameter of 150 mm and larger bearings with a maximum weight of 1200 kg.

- Standard sliding yoke for ergonomic operation
- Designed for bearing heating in horizontal position (around the coil) or vertical position (around the sliding yoke)
- Easy and safe to use with automatic temperature control or time controlled heating
- Automatic demagnetization reduces risk of bearing contamination
- Automatic temperature hold function to keep the bearing hot after completion of the heating cycle

Dimensions

Operating area width 16.7323 in

Standard yokes for minimal workpiece bore diameter 5.9 in

Optional yokes for minimal workpiece bore diameter 3.9 in

Dimensions (W x L x H) 23.6 x 47.3 x 33.5 in

Performance

Heating performance example (bearing, weight, temperature, time) 24188ECA/W33, 995 lb, 230 °F, 13 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 L44

Heating method Induction, low frequency

Suitable for mounting Yes

Suitable for dismounting No

Solid workpiece weight (max, mounting) 1323 lb

Bearing weight (max) 2646 lb

Workpiece bore diameter (mounting) 3.937 – 31.4961 in

Workpiece outer diameter	4.9213 – 64.9606 in
Power consumption (max)	23 kVA
Workpiece width (max)	16.7323 in
Workpiece cross section height (max)	19.3701 in
Operating area height	19.3701 in
Coil diameter	6.8898 in
Main yoke type	Sliding yoke, 3.9 x 3.9 in
Yoke storage	No
Voltage	400-460 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, removeable
Display	7 segment LED display
Forced air cooling	Yes
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 L44-Y15), 1 pair of heat resistant gloves (TMBA G11) and 1 tube of anti fretting paste (LAGF 3E/0.035)

Logistics

Country of Manufacturing (COM code)	16 - Netherlands
Product net weight	637 lb

eClass code	23-05-19-01
UNSPSC code	40101831

Compatible products

Type	Designation	Description	Qty
Accessory	TIH L44-Y10	Accessory yoke, complete with sliding rails for Extra large induction heaters	1
Spare part	LGAF 3E/0.035	Anti-fretting agent	1
Spare part	TIH CB50A	Heaters	1
Spare part	TIH CP	Heaters	1
Spare part	TIH L-PMV	Heaters	1
Spare part	TIH L44-Y15	Spare yoke complete with sliding rails for Extra large induction heaters	1
Spare part	TIH P20	Spare temperature probe, K type including. cable and plug for induction heaters	1
Spare part	TIH RC2	Spare remote control for Extra large induction heaters	1
Spare part	TIH SNUBBER	Heaters	1