





Image may differ from product. See technical specification for details.








TIH L33/MV

Extra large induction heater

The SKF TIH L33 is a 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 L33 can heat bearings with a minimum bore diameter of 115 mm and larger bearings with a maximum weight of 700 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

Overview

Dimensions

Operating area width	300 mm
Standard yokes for minimal workpiece bore diameter	115 mm
Optional yokes for minimal workpiece bore diameter	60, 80 mm
Dimensions (W x L x H)	400 x 743 x 550 mm

Performance

Heating performance example (bearing, weight, temperature, time)	24188ECA/W33, 450 kg, 110 °C, 28 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 L33
Heating method	Induction, low frequency
Suitable for mounting	Yes
Suitable for dismounting	No
Solid workpiece weight (max, mounting)	700 kg
Bearing weight (max)	700 kg
Workpiece bore diameter (mounting)	60 – 700 mm
Workpiece outer diameter	78 – 1300 mm
Power consumption (max)	15 kVA
Workpiece width (max)	300 mm
Workpiece cross section height (max)	320 mm
Operating area height	320 mm
Coil diameter	150 mm
Main yoke type	Sliding yoke, 80 x 80 mm
Yoke storage	No
Voltage	400-460 V
Voltage frequency	50 / 60 Hz
Current (max)	32 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	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	20 – 250 °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	127 kg
eClass code	23-05-19-01
UNSPSC code	40101831

Compatible products

Accessory

Accessory yoke for Extra large induction heaters	TIH L33-Y6
Accessory yoke for Extra large induction heaters	TIH L33-Y8

Spare part

Anti-fretting agent	LGAF 3E/0.035
Heaters	TIH CB32A
Heaters	TIH CP
Heaters	TIH L33-PMV
Spare yoke complete with sliding rails for Extra large induction heaters	TIH L33-Y12
Spare temperature probe, K type including. cable and plug for induction heaters	TIH P20
Spare remote control for Extra large induction heaters	TIH RC3
Heaters	TIH SNUBBER

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