

SFK TIH 100M/230V

Medium induction heater

High heating capacity of up to 120 kg bearing

The SKF medium induction heater TIH 100m has the same high standards of efficiency and performance as the smaller heater TIH 030m, combined with increased capacity. The advanced design of the power electronics allows features of accurate electric current control, cut-outs to avoid overheating, controls on rate of temperature increase, these are as some of the standard features in the TIH...m range.

Placing the induction coil outside the heater's housing allows the heating of bearings weighing up to 120 kg (264 lb). The heater is equipped with thermal overheating protection to reduce the risk of damage to the induction coil and the electronics. In addition to temperature mode, the TIH 100m is equipped with a time mode for heating components other than bearings. The heater is supplied standard with three yokes and is available in two executions: 230V/50-60Hz or 400-460V/50-60Hz.

Technical data

Designation	TIH 100m
SKF m20 performance	97 kg (213 lb)
Voltage, V/Hz	
- TIH 100M/230V	230V/50-60Hz
- TIH 100M/MV	400-460V/50-60Hz
Bearing:	
- Maximum weight	120 kg (264 lb)
- Maximum bore diameter	20 - 400 mm (0.8 - 15.7 in.)
Temperature control:	
- Range	0 - 250 °C (32 - 482 °F)
- Magnetic probe	Yes, K-type
- Accuracy (electronics)	± 2 °C (± 3,6 °F)
Time control:	
- Range	0 - 60 minutes
- Accuracy	± 0,01 sec.
Maximum heating temperature*	250°C (482 °F)
Thermometer mode	Yes
Bearing mode	Yes
Power reduction	2-step; 50 - 100%
Demagnetisation according	

to SKF norms (automatic)