

Small induction heater TIH030M



Small induction heater

High heating capacity of up to 40 kg bearing

The small [induction heater TIH 030m](#) combines high heating capacity with portability. The compact lightweight design makes the TIH 030m portable. Placing the induction coil outside the heater's housing allows the heating of bearings weighing up to 40 kg (88 lb). The [bearing 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 030m is equipped with a time mode for heating components other than bearings. The induction heating system is supplied standard with three yokes and is available in two executions: 230V/50-60Hz

Features and benefits

Compact lightweight design; just 20,9 kg (46.0 lb) facilitating portability

2step power setting and smaller yokes allow heating smaller bearings safely and at lower power consumption

Capable of heating a 28 kg (61.7 lb) bearing in just 20 minutes

Temperature mode pre-set at 110 °C (230 °F) to help prevent bearing over-heating

Automatic demagnetisation

Technical data	
Designation	TIH 030M
Description	Induction heater
m20performance	28 kg (61.7 lb)
Voltage, V/Hz	230V/50-60Hz
Bearing:	
- Maximum weight	40 kg (88 lb)
- Maximum bore diameter	20 - 300 mm (0.8 - 11.8 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 setting	2-step; 50% or 100%
Demagnetisation according to norms (automatic)	Yes (<2 A/cm)
Can heat sealed bearings	Yes
Can heat pre-greased bearings	Yes
Error guiding codes	Yes
Thermal overload protection	Yes
Control panel	Control panel and LED display integrated in remote control
Operating area (w x h)	100 x 135 mm (3.9 x 5.3 in.)
Coil diameter	95 mm (3.7 in.)
Dimensions (w x d x h)	450 x 195 x 210 mm (17.7 x 7.6 x 8.2 in.)

Total weight, including yokes	20,9 kg (46.0 lb)
Maximum power consumption	2,0 kVA
Standard yokes	45 x 45 x 215 mm (1.7 x 1.7 x 8.4 in.) for heating bearings with bore diameter of 65 mm (2.6 in.) and larger.
	28 x 28 x 215 mm (1.1 x 1.1 x 8.4 in.) for heating bearings with bore diameter of 40 mm (1.6 in.) and larger.
	14 x 14 x 215 mm (0.5 x 0.5 x 8.4 in.) for heating bearings with bore diameter of 20 mm (0.8 in.) and larger
Core cross section	45 x 45 mm (1.7 x 1.7 in.)
Bearing support arms	Yes, foldable
Yoke storage	Yes, internal integrated in foldable bearing support arms
Cooling fan	No
Swivel arm	No
Housing material	Steel and glass filled polyamide

