Portable Induction Heater TIH 030m

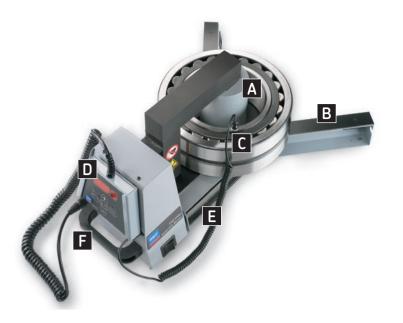
Small bearing heater with high heating capacity of up to 40 kg bearing

The new SKF 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 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 heater is supplied standard with three yokes and is available in two executions: 230V/50-60Hz and 100-110V/50-60Hz.

SKF m₂₀ concept

"m₂₀" represents the weight (kg) of the heaviest SRB 231 bearing which can be heated from 20 to 110 °C (68 to 230 °F) in 20 minutes. This defines the heater's power output instead of its power consumption.





- Induction coil outside the heater's housing allows shorter heating time and lower energy consumption
- Foldable bearing support arms facilitate the heating of larger diameter bearings
- Magnetic temperature probe helps prevent bearing overheating
- Easy-to-use control panel and LCD display integrated in a remote control
- Internal storage for all 3 yokes reduces the risk of yoke damage or loss
- Integrated carrying handle facilitates portability

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Designation

SKF m₂₀ performance

Voltage, V/Hz Work piece:

- Maximum weight
 - Maximum bore diameter

Temperature control:

- Range
- Magnetic probe
- Accuracy (electronics)

Time control:

- Range
- Accuracy

Maximum temperature (approx.)

Thermometer mode Bearing mode Power setting

Demagnetisation according to SKF norms (automatic)

Can heat sealed bearings Can heat pre-greased bearings

Error guiding codes

Thermal overload protection

Control panel

Operating area (w x h)
Coil diameter

Dimensions (w x d x h)
Total weight, including yokes
Maximum power consumption

Standard yokes

Core cross section
Bearing support arms

Yoke storage Cooling fan Swivel arm

Housing material Warranty period TIH 030M/230V TIH 030M/110V

28 kg (61.7 lb)

230V/50-60Hz or 100-110V/50-60Hz

40 kg (88 lb)

20 - 300 mm (0.8 - 11.8 in)

0 - 250 °C (32 - 482 °F)

Yes, K-type ± 2 °C (± 3.6 °F)

0 - 60 minutes ± 0,01 sec. 400 °C (750 °F)

Yes

Yes

2-step; 50% or 100%

Yes (<2 A/cm)

Yes Yes Yes Yes

Control panel and LED display integrated in remote controle

100 x 135 mm (3.9 x 5.3 in)

95 mm (3.7 in)

450 x 195 x 210 mm (17.7 x 7.6 x 8.2 in)

20,9 kg (46.0 lb) 2.0 kVA

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.

45 x 45 mm (1.7 x 1.7 in)

Yes, foldable

Yes, internal integrated in foldable bearing support arms

No

Steel and glass filled polyamide

3 years



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