

# TMBH 1

Portable induction heater weighing only 4,5 kg

The SKF bearing heater TMBH 1 uses a patented method of heating based on high frequency induction, which provides optimised efficiency. This method is very quiet and creates no magnetisation at all. In addition to bearings, the heater can also be used for heating ferrous components such as gears, pulleys, bushings and shrink rings.

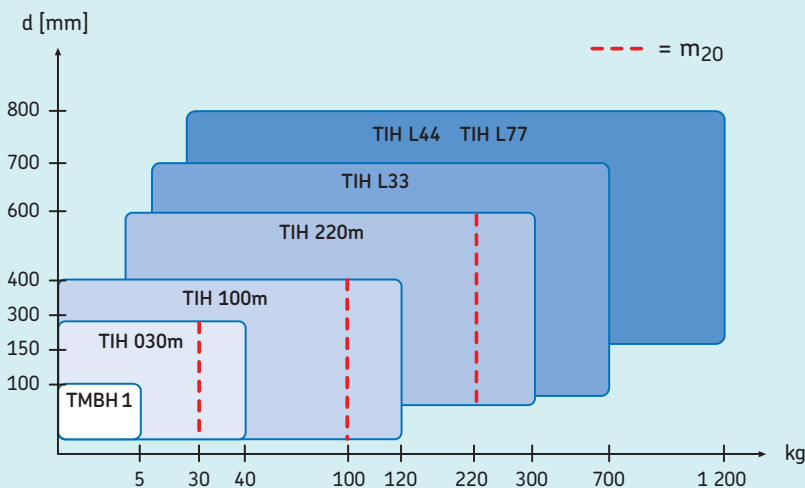
- Portable, lightweight, high efficiency heater for bearings with an inner diameter ranging from 20 to 100 mm (0.8 to 4 in.), and a maximum weight of 5 kg (11 lb)
- Equipped with temperature and time control and automatic demagnetisation
- Supplied in a carrying case



## Technical data

Designation	TMBH 1		
Max. bearing weight	5 kg (11 lb)	Voltage <sup>1)</sup>	TMBH 1
Bore diameter range	20–100 mm (0.8–4 in.)	100–240 V/50–60 Hz	–
Operating area (w × h)	52 × 52 mm (2 × 2 in.)	100–120 V/50–60 Hz	–
Standard yokes (included) to suit bearing/workpiece minimum bore diameter	20 mm (0.8 in.)	200–240 V/50–60 Hz	–
Application example (bearing, weight, temperature, time)	6310, 1,07 kg, 110 °C, 1m 45s	400–460 V/50–60 Hz	–
Max. power consumption	0,35 kVA	Temperature control <sup>2)</sup>	0 to 200 °C (32 to 392 °F)
		Dimensions (w × d × h)	330 × 150 × 150 mm (13 × 5.9 × 5.9 in.) Clamp: 115 × 115 × 31 mm (4.5 × 4.5 × 1.2 in.)
		Total weight (incl. yokes)	4,5 kg (10 lb)

## SKF induction heater range



The comprehensive range of SKF induction heaters is suitable for most bearing heating applications. The chart gives general information on choosing an induction heater for bearing heating applications<sup>3)</sup>.

The SKF  $m_{20}$  concept represents the weight (kg) of the heaviest SKF spherical roller bearing of series 231 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. Unlike other bearing heaters, there is a clear indication of how long it takes to heat a bearing, rather than just the maximum bearing weight possible.

- <sup>1)</sup> Some special voltage versions (e.g. 575V, 60 Hz CSA ready) are available for specific countries. For additional information, please contact your local SKF authorised distributor.  
<sup>2)</sup> Maximum heating temperature capacity depends on the weight and geometry of the bearing or workpiece. The heaters can achieve higher temperatures, please contact SKF for advice.  
<sup>3)</sup> For heating components other than bearings, SKF recommends consideration of TIH L MB series heater. Contact SKF to help you select a suitable induction heater for your application.