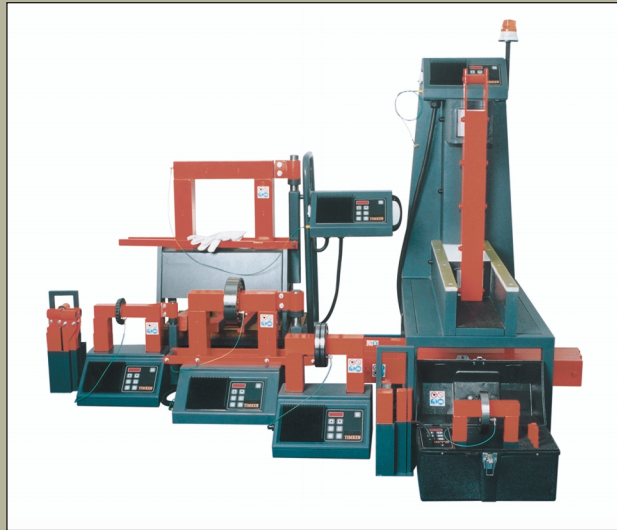
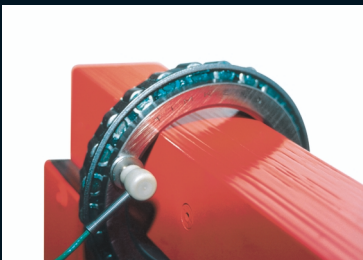


## Induction Heaters

*Quick, safe and environmentally friendly*

- FAST
- ERGONOMIC
- VERSATILE
- SAFE
- ENVIRONMENTALLY FRIENDLY



Proper mounting lengthens the life span of your bearings. When mounting bearings or other components, induction heating is superior to traditional methods. In addition to providing even, damage-free heating, it saves time and energy. Preheating is unnecessary and inductive heating is quick, safe and environmentally friendly.

Timken offers a large assortment of high quality induction heaters

designed for use in demanding industrial applications. They can heat and radially expand a wide variety of gears, rings, couplings, bearings, and other components.

All heaters are produced in accordance with European (CE) and International (IEC) health and safety requirements. They feature a microprocessor controlled power supply, automated time and temperature control and automatic demagnetization.

### FEATURES & BENEFITS

#### Fast:

Preheating is not necessary. Depending on weight, bearings can be heated up to maximum temperature of 120°C in seconds.

#### Safe:

The heater and yokes remain cool; only the work piece is heated.

#### Environmentally-friendly:

Producing no smoke, fumes or oil waste, induction heating is an environmentally friendly alternative to traditional heating methods such as blowtorches, oil baths, ovens and hot plates.

#### Robust:

Designed for the demanding needs of industrial environments.

#### Easy to use:

Simple to understand instruction symbols make operation easy.

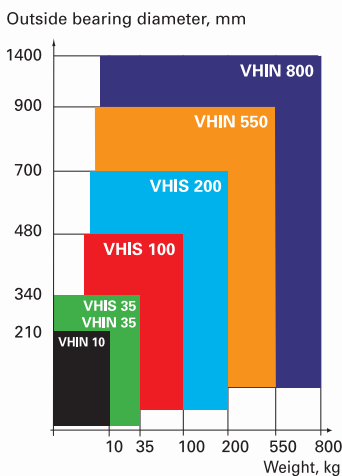
#### Ergonomic:

The unique swing arm yoke construction provides hands-free operation for safe and easy handling of heated work pieces. This permits a quick transition to the shaft and reduces cooling time.

#### Versatile:

The heater is suitable for bearings, couplings, shrink rings and other components.

Timken Induction Heaters Selection Chart










### VALUE ADDED MAINTENANCE PROGRAMS

With over 100 years of expertise in bearing technology, Timken understands the importance of proper maintenance procedures in maximizing bearing life. High quality Timken maintenance products help to decrease downtime and lower operating costs. For information about our other products, please contact your local sales or service representative.

# Induction Heaters

## Specifications

							
<b>Model</b>	<b>VHIN 10</b>	<b>VHIN 35</b>	<b>VHIS 35</b>	<b>VHIS 100</b>	<b>VHIS 200</b>	<b>VHIN 550</b>	<b>VHIN 800</b>
<b>Characteristics</b>	Portable, easy to use, totally self-contained induction heater. Perfect for field service technicians.	Industrial non-swing arm induction heater. Suitable for maintenance and production applications.	Swing arm induction heater featuring our unique swing arm system, for faster and easier mounting - perfect for production and maintenance.	Swing arm induction heater designed for heating of heavier workpieces. Supports give additional stability if the workpiece is heated horizontally.	Powerful, mobile, heavy duty model. Easy to move to machines that need servicing.	Very powerful and versatile induction heater popular with paper mills, steel mills and railways. Also available with wheels.	Extremely powerful induction heater capable of heating very large and heavy objects accurately, quickly and safely.
<b>Capacity</b>	3.6 kVA	3.6 kVA	3.6 kVA	8 kVA	12/24 kVA	24 kVA	40 kVA
<b>Voltage</b>	120/230 V 50/60 Hz	120/230 V 50/60 Hz	120/230 V 50/60 Hz	400/450/500 V 50/60 Hz	400/450/500/575 V 50/60 Hz	400/450/500 V 50/60 Hz	400/450/500 V 50/60 Hz
<b>Pole section (mm)</b>	40 x 40	60 x 60	60 x 60	70 x 70	80 x 80	100 x 100	150 x 150
<b>Pole height</b>	130 mm	140 mm	140 mm	210 mm	320 mm		
<b>Max. bearing weight</b>	10 kg	35 kg	35 kg	100 kg	200 kg	550 kg	800 kg
<b>Max. recommended bearing outside diameter</b>	210 mm	340 mm	340 mm	480 mm	700 mm	900 mm	1400 mm
<b>Max. bearing width</b>	120 mm	150 mm	150 mm	200 mm	265 mm	400 mm	400 mm
<b>Temperature control</b>	Caution: Bearings should only be heated up to a maximum temperature of 120° C (precision bearings up to 80° C). Other components can be heated up to higher temperatures.						
• max. temperature	150°C	240°C	240°C	240°C	240°C	240°C	240°C
• magnetic probe	yes	yes	yes	yes	yes	yes	yes
• digital display	yes	yes	yes	yes	yes	yes	yes
<b>Time control</b>							
• time period	0-30 min.	0-45 min.	0-45 min.	0-60 min.	0-99 min.	0-99 min.	0-99 min.
• digital display	yes	yes	yes	yes	yes	yes	yes
<b>Sound signal</b>	yes	yes	yes	yes	yes	yes	yes
<b>Temperature hold</b>	yes	yes	yes	yes	yes	yes	yes
<b>Automatic demagnetization</b>	yes	yes	yes	yes	yes	yes	yes
<b>Automatic power reduction</b>	no	no	no	yes	yes	yes	yes
<b>Dimensions (L x W x H)</b>	435 x 225 x 275 mm	340 x 290 x 310 mm	340 x 290 x 380 mm	630 x 365 x 470 mm	950 x 500 x 1000 mm	1000 x 500 x 1350 mm	1500 x 600 x 1470 mm
<b>Mass heater body</b>	21 kg	29 kg	31 kg	53 kg	140 kg	200 kg	660 kg
<b>Standard yokes, section (mm)</b>	10 x 10, 14 x 14, 20 x 20, 40 x 40	10 x 10, 14 x 14, 20 x 20, 30 x 30, 40 x 40, 50 x 50, 60 x 60	10 x 10, 14 x 14, 20 x 20, 30 x 30, 40 x 40, 50 x 50, 60 x 60	20 x 20, 30 x 30, 40 x 40, 50 x 50, 70 x 70	20 x 20, 30 x 30, 40 x 40, 60 x 60, 80 x 80	60 x 60, 80 x 80, 100 x 100	60 x 60, 80 x 80, 100 x 100, 150

**WARNING! PROPER MAINTENANCE AND HANDLING PRACTICES ARE CRITICAL. FAILURE TO FOLLOW ALL INSTRUCTIONS CAN RESULT IN EQUIPMENT FAILURE CREATING A RISK OF SERIOUS BODILY HARM**

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