

TECHNICAL DATASHEET

## TIMKEN INDUCTION HEATERS

### VHIN 10

- Portable unit
- Heating capacity 15 kg (bearing weight)
- Available in 120V and 230V



# Portable design, suitable for on-site jobs.

## FEATURES & BENEFITS

- Safe - heater automatically selects the most effective power setting to ensure optimal and balanced heating.
- Microprocessor controlled.
- Temperature & Time control.

## APPLICATIONS

- Bearings, gears, rings, couplings
- Maintenance workshops.

## PART NUMBERS:

### HEATERS:

|           |                     |
|-----------|---------------------|
| VHIN101US | VHIN10 120V US plug |
| VHIN101GB | VHIN10 120V UK plug |
| VHIN33010 | VHIN10 230V US plug |
| VHIN10GB  | VHIN10 230V UK plug |
| VHIN10    | VHIN10 230V EU plug |

### ACCESSORIES:

|           |                          |
|-----------|--------------------------|
| VHIN10011 | VHIN10 YOKE 10x10x200 mm |
| VHIN10012 | VHIN10 YOKE 14x14x200 mm |
| VHIN10013 | VHIN10 YOKE 20x20x200 mm |
| VHIN10015 | VHIN10 YOKE 40x40x200 mm |
| VHIN10016 | VHIN10 YOKE 7x7x200 mm   |



| Feature                               | Metric         | Imperial         |
|---------------------------------------|----------------|------------------|
|                                       | General        |                  |
| Power Rating, 230V                    | 3,6 kVA        |                  |
| Voltage/Current                       | 230V/16A       |                  |
| Different Voltage Option              | 120V/15A       |                  |
| Frequency                             | 50/60 Hz       |                  |
| Swing Arm                             | No             |                  |
| Plug                                  | Yes            |                  |
| Work Piece                            |                |                  |
| Max. Weight of Bearings               | 15 kg          | 33,1 lbs.        |
| Max. Weight Other Parts               | 10 kg          | 22,1 lbs.        |
| Min. Bore Diameter,                   | 10 mm          | 0,39"            |
| Max OD                                | 210 mm         | 8,3"             |
| Max. Work Piece Width                 | 120 mm         | 4,8"             |
| Pole Dimensions                       |                |                  |
| Area between the poles Width x Height | 120x130 mm     | 4.7 x 5.1"       |
| Pole Section                          | 40 mm          | 1,6"             |
| Pole Height                           | 130 mm         | 5,1"             |
| Controls                              |                |                  |
| Temperature Control Max.Temp          | 150° C         | 302° F           |
| Time Control Max.Time                 | 0 – 30 Min.    |                  |
| Auto Power Reduction                  | Automatically  |                  |
| Options                               |                |                  |
| Yokes, Standard set                   | 10,14,40 mm    | 0.4,0.55,1.57"   |
| Yokes, Optional                       | 7,20 mm        | 0.28,0.79"       |
| Support for Horizontal Heating        | n/a            |                  |
| Mobile                                | n/a            |                  |
| Temperature Control                   | n/a            | n/a              |
| Dimensions                            |                |                  |
| Dimensions                            | 460x240x280 mm | 18.1x9.45x11.02" |
| Package Size                          | 670x300x350 mm | 26.4x11.8x13.8"  |
| Mass Heater Body (including yokes)    | 21 kg          | 46.3 lbs.        |
| Miscellaneous                         |                |                  |
| Sound Signal                          | Yes            |                  |
| Temperature Hold                      | Yes            |                  |
| Demagnetizing, <2A/cm                 | Yes            |                  |
| Thermal Safety Guard                  | Yes            |                  |
| Magnetic Temperature Probe            | Yes            |                  |
| Digital Display                       |                |                  |
| Temperature                           | Yes            |                  |
| Time                                  | Yes            |                  |
| Error Report                          | Yes            |                  |

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