

TECHNICAL DATASHEET

TIMKEN INDUCTION HEATER

Extra powerful, mobile heater with swing arm.

VHIS 400



Extra powerful, mobile heater with swing arm.

FEATURES & BENEFITS

- Powerful Turbo design
- 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:

- VHIS4001 VHIS400 400V EU Plug
 VHIS4003US VHIS400 500V US Plug

Accessories:

- VHIS400015 VHIS400 Yoke 40X40X600mm
 VHIS400017 VHIS400 Yoke 60X60X600mm
 VHIS400019 VHIS400 Yoke 80X80X600mm

| Feature | Metric | Imperial |
|--|---------------------|------------------------|
| General | | |
| Power Rating 400V | 12 kVA | |
| Voltage/Current | 400V/30A | |
| Different Voltage Option | 500V/24A | |
| Frequency | 50/60 Hz | |
| Swing Arm | Yes | |
| Plug | Yes | |
| Work Piece | | |
| Max. Weight of Bearings | 550 kg | 1212.5 lbs. |
| Max. Weight Other Parts | 450 kg | 992.8 lbs. |
| Min. Bore Diameter - Horizontal/Vertical | 60/175mm | 2.4/6.9 in. |
| Max OD Vertical / Horizontal | 920mm | 36.2 in. |
| Max. Work Piece Width | 350mm | 13.8 in. |
| Pole Dimensions | | |
| Area between the poles Width x Height | 365 x 305mm | 14.4 x 12.0 in. |
| Pole Section | 175mm | 6.9 in. |
| Pole Height | 305mm | 12.0 in. |
| Controls | | |
| Temperature Control Max.Temp | 240° C | 464° F |
| Time Control Max.Time | 0 – 99 Min. | |
| Auto Power Reduction | Automatically | |
| Options | | |
| Yokes, Standard set | 80mm | 3.2 in. |
| Yokes, Optional | 40, 60mm | 1.6, 2.4 in. |
| Support for Horizontal Heating | Yes | |
| Mobile | Yes | |
| Temperature Control | n/a | n/a |
| Dimensions | | |
| Dimensions | 1200 x 640 x 1000mm | 47.2 x 25.2 x 39.4 in. |
| Package Size | 1350 x 850 x 1180mm | 53.2 x 33.5 x 46.5 in. |
| Mass Heater Body (including yokes) | 205 kg | 452.0 lbs. |
| Miscellaneous | | |
| Sound Signal | Yes | |
| Temperature Hold | Yes | |
| Demagnetizing <2 A/cm | Yes | |
| Thermal Safety Guard | Yes | |
| Magnetic Temperature Probe | Yes | |
| Digital Display | | |
| Temperature | Yes | |
| Time | Yes | |
| Error Report | Yes | |

