

TECHNICAL DATASHEET

## TIMKEN® INDUCTION HEATER

# **VHIN-G2/G3-35**

- Portable unit
- Heating capacity 50 kg (workpiece weight)
- Available in 120V and 230V



### Portable design, suitable for on-site jobs.

#### **FEATURES & BENEFITS**

#### **G2 MODELS**

- Portable induction heater
- Single temperature measurement
- Digital display
- 3 yokes included

**G3 MODELS** (in addition to G2 model features)

- Easy-to-use touchscreen
- Log function to store or export data
- Ability to create a proof-of-work report for customers
- Heating capabilities according to a preset temperature/time curve
- Delta-T selectable double temperature probe

#### **APPLICATIONS**

· Bearings, gears, rings, couplings

#### **PART NUMBERS:**

Heater VHIN-G2-35-230VEU	Yoke VHIY-7X7X200
Heater VHIN-G2-35-230VGB	Yoke VHIY-10X10X200
Heater VHIN-G2-35-230VUS	Yoke VHIY-14X14X200
Heater VHIN-G2-35-120VUS	Yoke VHIY-20X20X200
Heater VHIN-G3-35-230VEU	Yoke VHIY-40X40X200
Heater VHIN-G3-35-230VUS	Yoke VHIY-40X50X200
Heater VHIN-G3-35-120VUS	
Heater VHIN-G3-35-230VGB	

Induction heating is a superior, fast and controlled heating method. It is a safer and more environmentally friendly alternative to traditional heating methods such as ovens or oil baths. These methods cause fumes or oil waste and are not recommended for personal health and safety.

Do not heat with blow torches.





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General			
Power rating 230V / 240V	3.0 kVA		
Power rating 120V	1.5 kVA		
Voltage/Amp	120V/13A. 230V/13A		
Frequency	50/60		
Workpiece min./max sizes			
	Metric	Imperial	
Max.weight of the workpiece	50 kg	110.2 lbs.	
Min. bore diameter	10/65 mm	0.39/2.65"	
Max. OD	400 mm	15.7"	
Max. workpiece width	120 mm	4.72"	
Swing arm	No		
Pole Dimensions			
	Metric	Imperial	
Pole dimensions	40x50 mm	1.57/2'	
Pole height	130 mm	5.12"	
Con	trols		
	Metric	Imperial	
Max. temp	240°C	464°F	
Max. time range	0-99 min.		
Auto power reduction	Yes		
Options			
•			
	Metric	Imperial	
Yokes (standard set)		Imperial 0.28, 0.55, 1.57/2"	
Yokes (standard set) Yokes (optional)	7, 14, 40x50 mm	<b>Imperial</b> 0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57"	
Yokes (optional)		0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57"	
·	7, 14, 40x50 mm 10, 20, 40 mm	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57"	
Yokes (optional) Support for horizontal heating	7, 14, 40x50 mm 10, 20, 40 mm	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s	
Yokes (optional) Support for horizontal heating Mobile Temperature control	7, 14, 40x50 mm 10, 20, 40 mm Ye	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s	
Yokes (optional) Support for horizontal heating Mobile Temperature control	7, 14, 40x50 mm 10, 20, 40 mm Ye No	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s	
Yokes (optional) Support for horizontal heating Mobile Temperature control	7, 14, 40x50 mm 10, 20, 40 mm  Ye  No  Ye  Sions  Metric	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s o s	
Yokes (optional) Support for horizontal heating Mobile Temperature control  Dimer	7, 14, 40x50 mm 10, 20, 40 mm  Ye  No  Ye  Tsions	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s	
Yokes (optional) Support for horizontal heating Mobile Temperature control  Dimel	7, 14, 40x50 mm  10, 20, 40 mm  Ye  No  Ye  Sions  Metric  600x226x272 mm	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s c s Imperial 23.6x8.9x10.7"	
Yokes (optional) Support for horizontal heating Mobile Temperature control  Dimensions Package size Heater weight (including yokes)	7, 14, 40x50 mm  10, 20, 40 mm  Ye  No  Ye  Tsions  Metric  600x226x272 mm  650x290x360 mm	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s s lmperial 23.6x8.9x10.7" 25.6x11.4x14.2"	
Yokes (optional) Support for horizontal heating Mobile Temperature control  Dimensions Package size Heater weight (including yokes)	7, 14, 40x50 mm  10, 20, 40 mm  Ye  No  Ye  No  Ye  Oxions  Metric  600x226x272 mm  650x290x360 mm  21 kg	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s b s Imperial 23.6x8.9x10.7" 25.6x11.4x14.2" 46.3 lbs.	
Yokes (optional) Support for horizontal heating Mobile Temperature control  Dimel  Dimensions Package size Heater weight (including yokes)  Miscell	7, 14, 40x50 mm  10, 20, 40 mm  Ye  No  Ye  Sions  Metric  600x226x272 mm  650x290x360 mm  21 kg  aneous	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s  Imperial 23.6x8.9x10.7" 25.6x11.4x14.2" 46.3 lbs.	
Yokes (optional)  Support for horizontal heating  Mobile  Temperature control  Dimensions  Package size  Heater weight (including yokes)  Sound signal	7, 14, 40x50 mm  10, 20, 40 mm  Ye  No  Ye  Tsions  Metric  600x226x272 mm  650x290x360 mm  21 kg  aneous	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s o s Imperial 23.6x8.9x10.7" 25.6x11.4x14.2" 46.3 lbs.	
Yokes (optional) Support for horizontal heating Mobile Temperature control  Dimensions Package size Heater weight (including yokes)  Miscell Sound signal Temperature hold	7, 14, 40x50 mm  10, 20, 40 mm  Ye  No  Ye  No  Ye  Solutions  Metric  600x226x272 mm  650x290x360 mm  21 kg  aneous  Ye  Ye	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s 0 s Imperial 23.6x8.9x10.7" 25.6x11.4x14.2" 46.3 lbs.	
Yokes (optional) Support for horizontal heating Mobile Temperature control  Dimel  Dimensions Package size Heater weight (including yokes)  Miscell Sound signal Temperature hold Demagnetizing <2A/cm	7, 14, 40x50 mm  10, 20, 40 mm  Ye  Ni  Ye  Sions  Metric  600x226x272 mm  650x290x360 mm  21 kg  aneous  Ye  Ye	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s 0 s Imperial 23.6x8.9x10.7" 25.6x11.4x14.2" 46.3 lbs. s s	
Yokes (optional)  Support for horizontal heating  Mobile  Temperature control  Dimensions  Package size  Heater weight (including yokes)  Miscell  Sound signal  Temperature hold  Demagnetizing <2A/cm  Thermal safety guide	7, 14, 40x50 mm  10, 20, 40 mm  Ye  No  Ye  Psions  Metric  600x226x272 mm  650x290x360 mm  21 kg  aneous  Ye  Ye  Ye  Ye	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s o s Imperial 23.6x8.9x10.7" 25.6x11.4x14.2" 46.3 lbs.	
Yokes (optional) Support for horizontal heating Mobile Temperature control  Dimensions Package size Heater weight (including yokes)  Miscell Sound signal Temperature hold Demagnetizing <2A/cm Thermal safety guide Magnetic temperature probe — G2/G3 Temperature probe supplied	7, 14, 40x50 mm  10, 20, 40 mm  Ye  No  Ye  No  Ye  Sions  Metric  600x226x272 mm  650x290x360 mm  21 kg  aneous  Ye  Ye  Ye  Ye  Ye  1/	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s o s Imperial 23.6x8.9x10.7" 25.6x11.4x14.2" 46.3 lbs.	
Yokes (optional) Support for horizontal heating Mobile Temperature control  Dimensions Package size Heater weight (including yokes)  Miscell Sound signal Temperature hold Demagnetizing <2A/cm Thermal safety guide Magnetic temperature probe — G2/G3 Temperature probe supplied	7, 14, 40x50 mm  10, 20, 40 mm  Ye  Ni  Ye  Sions  Metric  600x226x272 mm  650x290x360 mm  21 kg  aneous  Ye  Ye  Ye  Ye  Ye  Ye  Ye  Ye  Ye  Y	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s o s  Imperial 23.6x8.9x10.7" 25.6x11.4x14.2" 46.3 lbs. s s s	
Yokes (optional)  Support for horizontal heating  Mobile  Temperature control  Dimensions  Package size  Heater weight (including yokes)  Miscell  Sound signal  Temperature hold  Demagnetizing <2A/cm  Thermal safety guide  Magnetic temperature probe — G2/G3  Temperature probe supplied  Digital	7, 14, 40x50 mm  10, 20, 40 mm  Ye  No  Ye  Psions  Metric  600x226x272 mm  650x290x360 mm  21 kg  aneous  Ye  Ye  Ye  Ye  1/  Ye  Display	0.28, 0.55, 1.57/2" 0.4, 0.79, 1.57" s o s Imperial 23.6x8.9x10.7" 25.6x11.4x14.2" 46.3 lbs. s s s s	