

# Induction bearing heaters

## Digital time and temperature control



Proper bearing installation is essential to maximum bearing life. By heating prior to installation, the bearing expands and slides easily onto the shaft. Magnetic induction is a safe and efficient method of generating heat to expand bearings for installation. No open flame or hot oil to worry about. Magnetic induction heats bearings evenly and quicker than hot plates.

### 1 Digital temperature and time control

All PV and SBH models feature digital time/temperature display controls as well as a magnetic probe.

### 2 Improve productivity

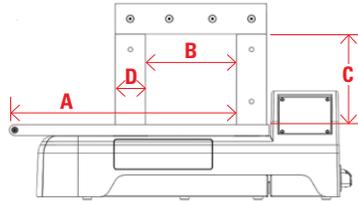
BESSEY® Induction bearing heaters help extend the useful life of bearings. Reducing the frequency of bearing maintenance means lower operating costs.

### 3 Vertical or Horizontal heating

SBH Series heat vertically or horizontally. Horizontal position heating time is generally 3 to 4 times faster.

### 4 SBH SMART Series

The SBH SMART Series is an industry leading and innovative tool. Dual sensors, data storage and export that allows proof-of-work.



SBH302

### Portable digital temperature control, certified PV2412

This lightweight portable bearing heater can move throughout your facility. Cross bars, heat resistant gloves, magnetic temperature probe, Petroleum jelly and manual are all included. An easy to use keypad and controls make this simple to operate. Comes with 5 cross bars: 1/4", 3/8", 1/2", 13/16", 1 1/16".

	Volt / Amps	Max. weight ± lb bearings	Min. ID	Max. OD	Max. width	Max. horizontal heating width	Cross section poles	Temperature control max reach	Time control max reach	Approx. weight without cross bars
				A	B	C	D			
PV2412	120/13	44 lbs	3/8"	9 1/2"	4 3/4"	—	1 5/8"	302°F	0-30 min.	47 lbs

Read the manual. Follow all prescribed safety precautions.



\*Bearings not included

### SBH SMART series

The SMART series offers more control over time and temperature. Modern, easy-to-use touchscreen and 2 temperature probes for dual temperature sensing (Delta T). This allows more control over the heating process and less metallurgical "tension". A clear graph also shows the heating process. Features include the ability to create proof of work, tension-free heating (Delta T), log function to store data or export to a USB-stick, heats according to preset temperature/time curve.

	Volt / Amps	Max. weight ± lb bearings	Min. ID vertical / horizontal	Max. OD	Max. width	Max. horizontal heating width	Cross section poles	Temperature control max reach	Time control max reach	Approx. weight without cross bars
				A	B	C	D			
SBH301	120/13	110 lbs	7/16" / 2 3/16"	15 3/4"	4 3/4"	5 1/8"	1 9/16" x 2"	464°F	0-99 min.	46.3 lbs
SBH302	120/15	220 lbs	1 13/16" / 2 13/16"	19 1/16"	7"	7"	1 7/8" x 2"	464°F	0-99 min.	68.34 lbs
SBH303	230/16	330 lbs	1 3/4" / 4 1/4"	23 5/8"	8 1/4"	7 7/8"	2 3/4" x 3 1/8"	464°F	0-99 min.	114.60 lbs
SBH304	480/16	440 lbs	1 3/4" / 4 1/4"	23 5/8"	8 1/4"	7 7/8"	2 3/4" x 3 1/8"	464°F	0-99 min.	123.25 lbs

\*Number of cross bars and sizes:

SBH301 = 3 cross bars; 1/4" x 1/4" x 7 7/8", 9/16" x 9/16" x 7 7/8", 1 1/16" x 2" x 7 7/8"

SBH302 = 2 cross bars; 13/16" x 13/16" x 11", 2" x 2" x 11"

SBH303 = 2 cross bars; 1 1/4" x 1 1/4" x 14", 2 3/4" x 3 1/8" x 14"

SBH304 = 2 cross bars; 1 1/4" x 1 1/4" x 14", 2 3/4" x 3 1/8" x 14"

Read the manual. Follow all prescribed safety precautions.



SBH303

\*Bearings not included

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## Medium duty digital temperature control, certified, SBH305

This cart mounted bearing heater features the Turbo effect when used in the horizontal heating application. The swivel control panel allows the user to adjust the position that is best suited for the application. SBH305 comes with a cart for effortless movement.

This bearing heater comes with one, 3 1/8" cross bar.



\*Bearings not included

Volt / Amps	Max. weight ± lb bearings	Min. ID vertical / horizontal	Max. OD	Max. width	Max. horizontal heating width	Cross section poles	Temperature control max reach	Time control max reach	Approx. weight without cross bars
			<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>			
<b>SBH305</b>	480/24 880 lbs	1 3/16"/5 1/4"	33 1/2"	12 1/2"	12"	3 1/8"x3 3/8"	464°F	0-99 min.	330 lbs

Read the manual. Follow all prescribed safety precautions.

## Magnetic Temperature Probe

Connects to bearing heater. Attaches to inner race of bearing. Up to 350°F (240°C).

	Fits model	Approx. Weight
<b>MP-PV/PVH/SVH</b>	PV/PVH/SVH	0.13 lbs



## Cross bars for bearing heater models BH, SVH, PV and PVH\*

	Fits model	Size	Approx. Weight
<b>BH3811</b>	SBH302	3/8" x 3/8" x 11"	0.47 lbs
<b>BH131611</b>	SBH302	1 3/16" x 1 3/16" x 11"	3.05 lbs
<b>BH0211</b>	SBH302	2" x 2" x 11"	12.79 lbs
<b>BH23811</b>	SBH302	2 3/8" x 2 3/8" x 11"	17.64 lbs
<b>BH3814</b>	SBH303/SBH304/EBH203	3/8" x 3/8" x 14"	0.59 lbs
<b>BH11414</b>	SBH303/SBH304/EBH203	1 1/4" x 1 1/4" x 14"	7.94 lbs
<b>BH234214</b>	SBH303/SBH304/EBH203	2 3/4" x 3 1/8" x 14"	32.58 lbs
<b>SVH 3/16</b>	SVH5223*/SBH303/SBH304/ EBH203	3/16" x 3/16" x 14"	1.15 lbs
<b>SVH 1 3/16</b>	SVH5223*/SV5020* SBH303/SBH304/ EBH203	1 3/16" x 1 3/16" x 14"	7.28 lbs
<b>SVH 2 3/8</b>	SVH5223*/SBH303/SBH304/ EBH203	2 3/8" x 2 3/8" x 14"	20.42 lbs
<b>SVH 2 3/4</b>	SV5020*/SBH303/SBH304/ EBH203	2 3/4" x 2 3/4" x 14"	28.48 lbs
<b>SVH 3 1/8</b>	SVH7931*/SBH305	3 1/8" x 3 1/8" x 20"	55.50 lbs
<b>PV 1/4</b>	PV2412*/SBH301/EBH2412/EBH201	1/4" x 1/4" x 7 7/8"	0.15 lbs
<b>PV 3/8</b>	PV2412*/SBH301/EBH2412/EBH201	3/8" x 3/8" x 7 7/8"	0.31 lbs
<b>PV 9/16</b>	PV2412*/SBH301/EBH2412/EBH201	9/16" x 9/16" x 7 7/8"	0.64 lbs
<b>PV 13/16</b>	PV2412*/SBH301/EBH2412/EBH201	13/16" x 13/16" x 7 7/8"	1.32 lbs
<b>PV 1 1/16</b>	PV2412*/SBH301/EBH2412/EBH201	1 1/16" x 1 1/16" x 7 7/8"	5.22 lbs
<b>PVH 1/4</b> Ⓢ	PVH3813*	1/4" x 1/4" x 9 1/2"	0.20 lbs
<b>PVH 9/16</b> Ⓢ	PVH3813*	9/16" x 9/16" x 9 1/2"	0.77 lbs
<b>PVH 13/16</b> Ⓢ	PVH3813*	13/16" x 13/16" x 9 1/2"	1.61 lbs
<b>PVH 1 1/16</b> Ⓢ	PVH3813*	1 1/16" x 1 1/16" x 9 1/2"	7.21 lbs



\* Discontinued model

Ⓢ While quantities last. Discontinued stock.

**WARNING:** Do NOT operate an induction heater if you wear a heart pace-maker. The strong magnetic field emitted by the heater may affect operation of such devices.

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