



Type	Hot Plate HPS	Hot Plate HPL	IH 025	IH 070	IH 090	IH 210	IH 240
Description	Heaters for small workpieces		Heater for small workpieces	Heater for small to medium workpieces	Heater with cooling fan for continuous operation with small to medium workpieces	Heater for large workpieces	Heater for large and very large work-pieces
Designation	HPS 200/230 V (Art. 110.1801) HPS 200/110 V (Art. 110.1802)	HPL 200/230 V (Art. 110.1803) HPL 200/110 V (Art. 110.1804)	IH 025/230 V (Art. 110.1101) IH 025/115 V (Art. 110.1103) IH 025/100 V (Art. 110.1102)	IH 070/230 V (Art. 110.1301) IH 070/115 V (Art. 110.1302) IH 070/100 V (Art. 110.1303)	IH 090/400 V (Art. 110.1401) IH 090/575 V (Art. 110.1404) IH 090/200 V (Art. 110.1402)	IH 210/400 V (Art. 110.1501) IH 210/575 V (Art. 110.1503) IH 210/200 V (Art. 110.1502)	IH 240/400 V (Art. 110.1601) IH 240/460 V (Art. 110.1602) IH 240/575 V (Art. 110.1603)
Voltage	220 – 240 V 100 – 120 V		220 – 240 V 110 – 120 V 100 V	220 – 240 V 110 – 120 V 100 V	400 – 480 V 575 V 200 V	400 – 480 V 575 V 200 – 230 V	400 – 440 V 440 – 480 V 575 V
Frequency	50 – 60 Hz 50 – 60 Hz		50 – 60 Hz 50 – 60 Hz 50 – 60 Hz	50 – 60 Hz 50 – 60 Hz 50 – 60 Hz	50 – 60 Hz 50 – 60 Hz 50 – 60 Hz	50 – 60 Hz 50 – 60 Hz 50 – 60 Hz	50 Hz 60 Hz 60 Hz
Amperage	5 A 10 A	10 A 20 A	6 A 10,5 A 10,5 A	16 A 20 A 15 A	16 A 20 A 25 A	25 A 18 A 40 A	60 A 52 A 42 A
Power	1000 W 1000 W	2000 W 2000 W	1,5 kVA 1,15 kVA 1 kVA	3,7 kVA 2,2 – 2,4 kVA 1,5 kVA	6,4 – 7,4 kVA 9,2 kVA 5 kVA	10 – 11,5 kVA 10,4 kVA 8 – 9,2 kVA	24 kVA 24 kVA 24 kVA
Max. weight of workpiece Bore diameter	5 kg	10 kg	10 kg from 20 mm inner diameter to 160 mm outer diameter	80 kg 20 – 400 mm	120 kg 20 – 400 mm	300 kg 60 – 600 mm	1'200 kg 142 – 850 mm
Temperature range	50 – 200 °C / 122 – 392 °F		20 – 180 °C / 68 – 356 °F	0 – 250 °C / 32 – 482 °F	0 – 250 °C / 32 – 482 °F	0 – 250 °C / 32 – 482 °F	0 – 250 °C / 32 – 482 °F
Magnetic probe Accuracy (electronic)	± 5 °C / ± 41 °F		yes, type K ± 3 °C / ± 6 °F	yes, type K ± 3 °C / ± 6 °F	yes, type K ± 3 °C / ± 6 °F	yes, type K ± 3 °C / ± 6 °F	yes, type J ± 3 °C / ± 6 °F
Range of time control Time setting in steps	–		0 – 10 minutes 0,1 minutes	0 – 60 minutes 0,1 minutes	0 – 60 minutes 0,1 minutes	0 – 60 minutes 0,1 minutes	0 – 60 minutes 0,1 minutes
Maximum temperature (approx.)	200 °C / 392 °F		180 °C / 356 °F	400 °C / 752 °F	400 °C / 752 °F	400 °C / 752 °F	400 °C / 752 °F
Thermometer mode	–		yes	yes	yes	yes	yes
Bearing temperature mode	–		yes	yes	yes	yes	yes
Power reduction	–		4 levels / 20-40-60-80%	4 levels / 20-40-60-80%	4 levels / 20-40-60-80%	4 levels / 20-40-60-80%	yes / 50%
Automatic demagnetisation Residual magnetism	–		yes < 2A/cm	yes < 2A/cm	yes < 2A/cm	yes < 2A/cm	yes < 2A/cm
Suitable for heating sealed bearings	yes		yes	yes	yes	yes	yes
Suitable for heating pregreased bearings	yes		yes	yes	yes	yes	yes
Error guiding codes	–		yes	yes	yes	yes	yes
Thermal overload protection	–		yes	yes	yes	yes	yes
Max. magnetic flux	–		–	1,5 T	1,5 T	1,5 T	1,5 T
Coil diameter	–		–	115 mm	115 mm	135 mm	186 mm
Control panel	main switch, temperature control		keyboard with LED-display	keyboard with LED-display	keyboard with LED-display	keyboard with LED-display	keyboard with LED-display
Size of operating area (WxH)	380 x 180 mm	380 x 380 mm	–	145 x 205 mm	145 x 205 mm optional: 145 x 410 mm (Art. 110.1403)	250 x 250 mm optional: 250 x 376 mm (Art. 110.1504)	330 x 355 mm
Dimensions (LxWxH)	390 x 190 x 150 mm	390 x 390 x 170 mm	340 x 250 x 64 mm (over the cone 121 mm)	420 x 280 x 345 mm	420 x 280 x 420 mm	650 x 350 x 420 mm	750 x 400 x 935 mm
Overall weight	6 kg	10 kg	3,5 kg	35 kg	38 kg	75 kg	300 kg
Number of standard yokes	–		–	3	3	2	1
Standard yokes	–		–	55 x 55 x 275 mm for bearings with a bore diameter of at least 78 mm 28 x 28 x 275 mm for bearings with a bore diameter of at least 40 mm 14 x 14 x 275 mm for bearings with a bore diameter of at least 20 mm	55 x 55 x 275 mm for bearings with a bore diameter of at least 78 mm 28 x 28 x 275 mm for bearings with a bore diameter of at least 40 mm 14 x 14 x 275 mm for bearings with a bore diameter of at least 20 mm	70 x 70 x 420 mm for bearings with a bore diameter of at least 100 mm 40 x 40 x 420 mm for bearings with a bore diameter of at least 60 mm	100 x 100 x 570 mm for bearings with a bore diameter of at least 142 mm
Core cross section	–		–	55 x 55 mm	55 x 55 mm	70 x 70 mm	100 x 100 mm
Yoke storage	–		–	yes, integrated	yes, integrated	yes, integrated	–
Movable yoke	–		–	optional (swivel arm)	swivel arm	sliding yoke	sliding yoke
Cooling fan	–		yes	–	yes	optional (Art. 110.1505)	–
Housing material	–		plastic	aluminium	aluminium	aluminium	aluminium