

Technical Data

The technical data are valid only for an empty device equipped with three shelves, a spray-painted outer enclosure and a power line voltage 120 V/60 Hz. Options may have an impact on the specified performance.

Table 13-1 Technical Data - Series IMH 60/100/180 and IMH 60-S/100-S/180-S

Parameter	Unit	IMH 60	IMH 100	IMH 180	IMH 60-S	IMH 100-S	IMH 180-S
Process (first value is with fan off, second with fan running.)							
Temperature deviation from set value at 37 °C (99 °F), spatial. Typical value	K	±0.6/±0.2	±0.6/±0.3	±0.6/±0.4	±0.6/±0.2	±0.6/±0.3	±0.6/±0.4
Max. value	K	±0.6/±0.3	±0.6/±0.4	±0.6/±0.5	±0.6/±0.3	±0.6/±0.4	±0.6/±0.5
Temperature deviation from set value at 37 °C (99 °F), over time.	K	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
Work space atmosphere, Min.	°C/°F	Amb. temp. plus 5 °C/41 °F	Amb. temp. plus 5 °C/41 °F	Amb. temp. plus 5 °C/41 °F	Amb. temp. plus 5 °C/41 °F	Amb. temp. plus 5 °C/41 °F	Amb. temp. plus 5 °C/41 °F
Max.	°C/°F	105 °C/221 °F	105 °C/221 °F	105 °C/221 °F	105 °C/221 °F	105 °C/221 °F	105 °C/221 °F
Heat-up time (work space unoccupied, from 25 °C (77 °F) to 98% of set temperature of 37 °C/98.6 °F). Max. value/typical value	min	25 / 22	35 / 42	35 / 40	25 / 22	35 / 42	35 / 42
Recovery time (work space unoccupied, door open for 30 s, to set temperature of 37 °C/98.6 °F). Max. value/typical value.	min	6 / 4	5 / 4	5 / 4	5 / 2.5	4 / 2.5	4 / 2.5
Heat dissipation to environment (at set temperature of 37 °C/98.6 °F and room temperature of 25 °C/77 °F)	W	23/65 ±10%	30/68 ±10%	36/78 ±10%	23/65 ±10%	30/68 ±10%	36/78 ±10%
Overall dimensions							
Height	mm/in	720/ 28.3	820/ 32.3	920/ 36.2	720/ 28.3	820/ 32.3	920/ 36.2
Width	mm/in	530/ 20.8	640/ 25.2	640/ 25.2	530/ 20.8	640/ 25.2	640/ 25.2

Table 13-1 Technical Data - Series IMH 60/100/180 and IMH 60-S/100-S/180-S

Parameter	Unit	IMH 60	IMH 100	IMH 180	IMH 60-S	IMH 100-S	IMH 180-S
Depth	mm/in	565/ 25.2	565/ 25.2	738/ 29.1	565/ 25.2	565/ 25.2	738/ 29.1
Overall weight	kg/lbs	45/99	56/123	70/154	45/99	56/123	70/154
Loading capacity per shelf	kg/lbs	25/55			25/55		
Max. overall loading capacity per device	kg/lbs	50/110	50/110	75/165	50/110	50/110	75/165
Electrical data							
Power consumption	W	600	840	1020	1390	1390	1390
Maximum current	A	5.0	7.0	8.5	11.6	11.6	11.6
Earthing system (e. g. 1/N/PE)		1/N/PE	1/N/PE	1/N/PE	1/N/PE	1/N/PE	1/N/PE
Power line frequency	Hz	60			60		
Power line voltage +/- 10 %	V	120			120		
IP protection system		IP 20			IP 20		
Protection class		I			I		
Overvoltage category		II			II		
Device fusing, building side	A	16			16		
Device fusing, on PCB	A	2 x 16			2 x 16		
Environmental conditions							
Min. ambient temperature	°C/°F	18/65			18/65		
Max. ambient temperature	°C/°F	32/90			32/90		
Max. humidity in service, non condensing	% r.F./ % r.H.	80, non condensing			80, non condensing		
Min. storage temperature	°C/°F	20/68			20/68		
Max. storage temperature	°C/°F	60/140			60/140		
Max. humidity in storage, non condensing	% r.F./ % r.H.	90, non condensing			90, non condensing		
Post-transport acclimation time	h	2			2		
Noise level	dB(A)	45			45		
Pollution degree		2			2		
Site conditions							
Maximum altitude above sea level	m/y NN	2000/2187			2000/2187		
Minimum side clearance	mm/in	50/2			50/2		
Minimum front clearance	mm/in	590 / 23.2	690 / 27.2	814 / 32	590 / 23.2	690 / 27.2	814 / 32
Minimum back wall clearance	mm/in	80/3.2			80/3.2		

Table 13-1 Technical Data - Series IMH 60/100/180 and IMH 60-S/100-S/180-S

Parameter	Unit	IMH 60	IMH 100	IMH 180	IMH 60-S	IMH 100-S	IMH 180-S
Minimum bottom clearance	mm/in		200/8			200/8	
Minimum top clearance	mm/in		300/12			300/12	

Table 13-2 Technical Data - Series IMH 400-S / IMH 750-S

Parameter	Unit	IMH 400-S	IMH 750-S
Process			
Work space atmosphere, Min.	°C/°F	Amb. temp. plus 5 °C/41°F	Amb. temp. plus 5 °C/41°F
Max.	°C/°F	105 °C/221 °F	105 °C/221 °F
Temperature deviation from set value at 37 °C (99 °F), spatial. Max. value/typical value	K	±0.3/±0.2	±0.4/±0.3
Temperature deviation from set value at 37 °C (99 °F), over time	K	±0.2	±0.2
Heat-up time (work space unoccupied, from 25 °C (77 °F) to 98% of set temperature of 37 °C/99 °F)	min	35	30
Recovery time (work space unoccupied, door open for 30 s. Max. value/Typical value	min	<3/<2	<3/<2
Heat dissipation to environment (at set temperature of 37 °C (99 °F) and room temperature of 25 °C/77 °F).	W	87 ±10%	149 ±10%
Overall dimensions			
Height (with casters)	mm/in	1655/ 65.2	1655/ 65.2
Width	mm/in	755/ 29.7	1215/ 47.8
Depth	mm/in	770/ 30.3	770/ 30.3
Overall weight	kg/lbs	145/320	205/452
Loading capacity	kg/lbs	30/66	30/88
Max. overall loading capacity per device	kg/lbs	75/165	150/330
Electrical data			
Power rating	W	1380	1560
Max. Current	A	11.5	13.0
Earthing system (e. g. 1/N/PE)		1/N/PE	1/N/PE
Power line frequency	Hz	60	