

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 - IGS Series - Table-top Units

Parameter	Unit	IGS 60	IGS 100	IGS 180
Process				
Work space atmosphere				
Min.	°C/°F	Ambient temperature plus 5 °C/41 °F	Ambient temperature plus 5 °C/41 °F	Ambient temperature plus 5 °C/41 °F
Max.	°C/°F	75 °C/167 °F	75 °C/167 °F	75 °C/167 °F
Temperature deviation from set value at 37 °C (98.6 °F), spatial. Max. value /typical value	K	± 0.7/±0.6	± 0.7/±0.6	± 0.7/±0.6
Temperature deviation from set value at 37 °C (98.6 °F), over time	K	±0.2	±0.2	±0.2
Heat-up time (work space unoccupied, from 25 °C (77 °F) to 98% of set temperature of 37 °C/98.6 °F)	min	25	35	35
Recovery time (work space unoccupied, door open for 30 s, to set temperature). Max. value/typical value	min	5	5/4	5/4
Heat dissipation to environment (at set temperature of 37 °C (98.6 °F) and room temperature of 25 °C/77 °F)	W	21 ±10%	26 ±10%	31 ±10%
Overall dimensions				
Height	mm/in	720/ 28.3	820/ 32.3	920/ 36.2
Width	mm/in	530/ 20.8	640/ 25.2	640/ 25.2
Depth	mm/in	565/ 22.2	565/ 22.2	738/ 29.1
Overall weight	kg/lbs	40/88	51/112	65/143
Loading capacity				
Loading capacity per shelf	kg/lbs		25/55	
Max. overall loading capacity per device	kg/lbs	50/110	50/110	75/165
Electrical data				
Power consumption	W	300	540	720
Maximum current	A	2.5	4.5	6.0
Earthing system (e.g. 1/N/PE)		1/N/PE	1/N/PE	1/N/PE

Table 13-1 Technical Data - IGS Series - Table-top Units

Parameter	Unit	IGS 60		IGS 100	IGS 180
Power line frequency	Hz			50/60	
Power line voltage +/- 10 %	V			120	
IP protection system				IP 20	
Protection class				I	
Overvoltage category				II	
Device fusing, building side	A			16	
Device fusing, on PCB	A			2 x 16	
Environmental conditions					
Min. ambient temperature	°C/°F			18/65	
Max. ambient temperature	°C/°F			32/90	
Max. humidity in service, non condensing	% r.F./ % r.H.			80, non condensing	
Min. storage temperature	°C/°F			20/68	
Max. storage temperature	°C/°F			60/140	
Max. humidity in storage, non condensing	% r.F./ % r.H.			90, non condensing	
Post-transport acclimation time	h			2	
Noise level	dB(A)			no Inherent noise	
Pollution degree				2	
Site conditions					
Maximum altitude above sea level	m/y NN			2000/2187	
Minimum side clearance	mm/in			50/2	
Minimum front clearance	mm/in	590 / 23.2		690 / 27.2	814 / 32
Minimum back wall clearance	mm/in			80/3.2	
Minimum bottom clearance	mm/in			200/8	
Minimum top clearance	mm/in			300/12	

Table 13-2 Technical Data - IGS Series - Floor Stand Units

Parameter	Unit	IGS 400	IGS 750
Process			
Work space atmosphere			
Min.	°C/°F	Ambient temperature plus 5 °C/41 °F	Ambient temperature plus 5 °C/41 °F
Max.	°C/°F	75 °C/167 °F	75 °C/167 °F
Temperature deviation from set value at 37 °C (98.6 °F), spatial. Max. value/Typical value	K	±0.5/±0.5	±1.4/±1.3
Temperature deviation from set value at 37 °C (99 °F), over time	K	±0.4	±0.4

Table 13-2 Technical Data - IGS Series - Floor Stand Units

Parameter	Unit	IGS 400	IGS 750
Heat-up time (work space unoccupied, from 25 °C (77 °F) to 98% of set temperature of 37 °C/99 °F)	min	65	55
Recovery time (work space unoccupied, door open for 30 s, to set temperature) Max. value/Typical value	min	< 10/8	< 10/8
Heat dissipation to environment (at set temperature of 37 °C (99 °F) and room temperature of 25 °C/77 °F)	W	55 ±10%	70 ±10%
Overall dimensions			
Height (with substructure)	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	200/441
Loading capacity per shelf or tray	kg/lbs	30/66	30/88
Max. overall loading capacity per device	kg/lbs	75/165	150/330
Electrical data			
Power rating	W	1080	1500
Max. Current	A	9.0	12.5
Earthing system (e.g. 1/N/PE)		1/N/PE	1/N/PE
Power line frequency	Hz	60	
Power line voltage +/- 10 %	V	120	
IP protection system		IP 20	
Protection class		I	
Overvoltage category as per IEC 60364-4-443		II	
Device fusing, building side	A	16	
Device fusing, on PCB	A	2 x 16	
Environmental conditions			
Min. ambient temperature	°C/°F	18/65	
Max. ambient temperature	°C/°F	32/90	
Max. humidity in service, non condensing	% r.F./ % r.H.	80, non condensing	
Min. storage temperature	°C/°F	20/68	
Max. storage temperature	°C/°F	60/140	
Max. humidity in storage, non condensing	% r.F./ % r.H.	90, non condensing	
Post-transport acclimation time	h	2	

Table 13-2 Technical Data - IGS Series - Floor Stand Units

Parameter	Unit	IGS 400	IGS 750
Noise level	dB(A)	no inherent noise	
Degree of pollution as per IEC EN 61010-1		2	
Site conditions			
Maximum altitude above sea level	m/y ASL	2000/2187	
Minimum side clearance	mm/in	50/2	
Minimum front clearance	mm/in	810 / 31.9	670 / 26.24
Minimum back wall clearance	mm/in	120/4.7	
Minimum top clearance	mm/in	200/7.9	