

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 (Table 13-1) and 208-240 V/60 Hz (Table 13-2). Options may have an impact on the specified performance.

Table 13-1 Technical Data - OGS and OMS Series / 120 V - Table-top ovens

Parameter	Unit	OGS 60	OGS 100	OGS 180	OMS 60	OMS 100	OMS 180
Process							
Work Space Atmosphere Min. ¹	°C/°F	50/122	50/122	50/122	50/122	50/122	50/122
Max.	°C/°F	250/482	250/482	250/482	250/482	250/482	250/482
Temperature deviation from set value at 150 °C (302 °F), spatial. Max. value/ Typical. value	K	±4.5 / ±4.0	±4.5 / ±4.0	±4.5 / ±4.0	±3.7 / ±3.3	±3.0 / ±2.5	±3.5 / ±3.0
Temperature deviation from set value at 150 °C (302 °F), over time. Max. value/ Typical. value	K	±0.4	±0.4	±0.5	±0.3	±0.3	±0.3
Heat-up time (work space unoccupied, from 25 °C (77 °F) to 98% of set temperature of 150 °C/ 302 °F). Max. value/ Typical. value	min	25/15	25/19	25/21	20/17	20/12	20/15
Recovery time (work space unoccupied, door open for 30 s, to set temperature). Max. value/ Typical. value	min	9/8	9/8	9/8	5/3	5/3	5/4
Heat dissipation to environment (at set temperature of 150 °C (302 °F) and room temperature of 25 °C/ 77 °F)	W	194±10%	261±10%	320±10%	316±10%	459±10%	513±10%
Max. air change at 150 °C/302 °F	h ⁻¹	19	16	18	33	61	31
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 - OGS and OMS Series / 120 V - Table-top ovens

Parameter	Unit	OGS 60	OGS 100	OGS 180	OMS 60	OMS 100	OMS 180				
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	42/93	53/117	66/146	42/93	53/117	66/146				
Loading capacity											
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 rating	W	1730	1680	1680	1440	1660	1660				
Maximum current	A	14.4	14.0	14.0	12.0	13.8	13.8				
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		60	60					
Power line voltage +/- 10 %	V	120	120		120	120					
IP protection system		IP 20			IP 20						
Protection class		I			I						
Overvoltage category to IEC 60364-4-443		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)	no inherent noise			45	52	52				
Pollution degree to IEC EN 61010-1		2			2						
Site conditions											
Maximum altitude above sea level	m/y ASL	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 - OGS and OMS Series / 120 V - Table-top ovens

Parameter	Unit	OGS 60	OGS 100	OGS 180	OMS 60	OMS 100	OMS 180
Minimum bottom clearance	mm/in		200/8			200/8	
Minimum top clearance	mm/in		300/12			300/12	

¹ Temperatures as low as ambient +10 °C can be selected, this requires open damper and no additional heat in unit.

Table 13-2 Technical Data - OGS and OMS Series / 208/240 V - Table-top ovens

Parameter	Unit	OGS 100	OGS 180	OMS 100	OMS 180
Process					
Work Space Atmosphere Min. ¹	°C/°F	50/122	50/122	50/122	50/122
Max.	°C/°F	250/482	250/482	250/482	250/482
Temperature deviation from set value at 150 °C (302 °F), spatial. Max. value/Typical. value	K	±4.5 / ±4.0	±4.5 / ±4.0	±3.0 / ±2.5	±3.5 / ±3.0
Temperature deviation from set value at 150 °C (302 °F), over time. Max. value/ Typical. value	K	±0.4	±0.5 / ±0.4	±0.3	±0.3
Heat-up time (work space unoccupied, from 25 °C (77 °F) to 98% of set temperature of 150 °C/ 302 °F).	min	25	25	20	20
Recovery time (work space unoccupied, door open for 30 s, to set temperature). Max. value/ Typical. value	min	10/6	9/6	7/6	8/6
Heat dissipation to environment (at set temperature of 150 °C (302 °F) and room temperature of 25 °C/ 77 °F)	W	261±10%	320±10%	459±10%	513±10%
Max. air change at 150 °C/302 °F	h ⁻¹	16	18	61	31
Overall dimensions					
Height	mm/in	820/ 32.3	920/ 36.2	820/ 32.3	920/ 36.2
Width	mm/in	640/ 25.2	640/ 25.2	640/ 25.2	640/ 25.2
Depth	mm/in	565/ 25.2	738/ 29.1	565/ 25.2	738/ 29.1
Overall weight	kg/lbs	53/117	66/146	53/117	66/146
Loading capacity					