



MUFFLE FURNACES

Professional Furnaces with Flap Door



These models stand out for their excellent workmanship, advanced and attractive design, and high reliability level. The furnaces come equipped with either a flap door or lift door at no extra charge.

- Tmax 1100 °C or 1200°C
- Heating from two sides by ceramic heating plates (heating from three sides for the model ES-L24/11)
- Ceramic heating plates with integral heating element which is safeguarded against fumes and splashing, and easy to replace
- Highly durable cured vacuum fiber module lining
- Housing made of sheets of textured stainless steel
- Dual shell housing for low external temperatures and high stability
- Optional flap door (L) which can be used as work platform or lift door (LT) with hot surface facing away from the operator
- Adjustable air inlet integrated in door (see illustration)
- Exhaust air outlet in rear wall of furnace
- Solid state relays provide for low-noise operation
- Controls description see page 60

Additional equipment :

- Chimney, chimney with fan or catalytic converter
- Over-temperature limit controller with manual reset for thermal protection class 2 in accordance with EN 60519-2 as temperature limiter to protect the oven and load
- Protective gas connection on the rear wall of furnace
- Manual or automatic gas supply system
- Process control and documentation with Controltherm MV software package



TECHNICAL SPECIFICATIONS

Models with max Temperature = 1100°C

Cod.	Tmax	Inner dimensions in mm			Volume	Outer dimensions in mm			Connected load kW	Electrical Connection	Weight in Kg	Minutes To Tmax
	°C	w	d	h	In L	W	D	H				
ES-L3/11	1100	160	140	100	3	380	370	420	1.2	Single phase	20	60
ES-L5/11	1100	200	170	130	5	440	470	520	2.4	Single Phase	35	60
ES-L9/11	1100	230	240	170	9	480	550	570	3.0	Single Phase	45	75
ES-L15/11	1100	230	340	170	15	480	650	570	3.6	Single Phase	55	90
ES-L24/11	1100	280	340	250	24	560	660	650	4.5	3-phase	75	95
ES-L40/11	1100	320	490	250	40	600	790	650	6.0	3-phase	95	95

Models with max Temperature = 1200°C

Cod.	Tmax	Inner dimensions in mm			Volume	Outer dimensions in mm			Connected load kW	Electrical Connection	Weight in Kg	Minutes To Tmax
	°C	w	d	h	In L	W	D	H				
ES-L1/12	1200	90	115	110	1	250	265	340	1.5	Single phase	10	25
ES-L3/12	1200	160	140	100	3	380	370	420	1.2	Single phase	20	75
ES-L5/12	1200	200	170	130	5	440	470	520	2.4	Single Phase	35	75
ES-L9/12	1200	230	240	170	9	480	550	570	3.0	Single Phase	45	90
ES-L15/12	1200	230	340	170	15	480	650	570	3.6	Single Phase	55	105
ES-L24/12	1200	280	340	250	24	560	660	650	4.5	3-phase	75	110
ES-L40/12	1200	320	490	250	40	600	790	650	6.0	3-phase	95	110

Heat-resistant gloves for protection of the operator when loading or removing hot materials, resistant to 650 °C or 900 °C.



Gloves, Tmax 650 °C.



Gloves, Tmax 900 °C.



Various tongs for easy loading and unloading of the furnace.
300 or 500 mm



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