

Fast-Firing Furnaces up to 1300 °C

These fast-firing furnaces are ideal for simulation of typical fast-firing processes up to a maximum firing temperature of 1300 °C. The combination of high performance, low thermal mass and powerful cooling fans provides for cycle times from cold to cold up to 35 minutes with an opening temperature of approx. 300 °C.



Fast-firing furnace LS 25/13

Standard Equipment

- Tmax 1300 °C
- Ceramic grid tubes as charge support
- Floor and lid heating, two-zone control
- Special arrangement of the heating elements for optimum temperature uniformity
- Rapid switching cycles result in precise temperature control
- Integrated cooling fans, programmable to speed up charge cooling including housing cooling
- Programmable lid opening of approximately 60 mm for faster cooling without activating the fan
- Thermocouple type S for top and bottom zone
- Castors for easy furnace moving
- Controller with touch operation P570 (50 programs with each 40 segments), alternative controllers see page 84

Model	Tmax °C	Inner dimensions in mm			Volume in l	Outer dimensions ² in mm			Connected load ³ kW	Electrical connection*	Weight in kg
		w	d	h		W	D	H			
LS 12/13	1300	350	350	40	12	750	880	1090	15	3-phase ¹	150
LS 25/13	1300	500	500	100	25	900	1030	1150	22	3-phase ¹	160

¹Heating only between two phases

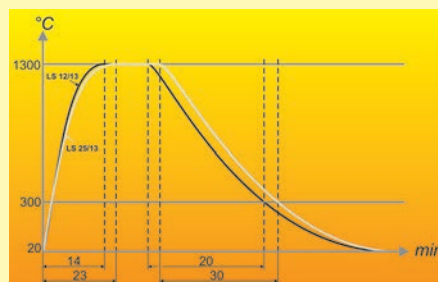
²External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.

³The connected load refers to the standard furnace and may increase for a furnace with additional equipment. For furnaces with connection options for multi-range voltages, the connected load applies to the highest permissible connected voltage.

*Please see page 84 for more information about supply voltage



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Firing curves of fast-firing furnaces LS 12/13 and LS 25/13



Floor and lid heating, two-zone control