

Large-scale electric furnace with high-speed heating (HLF)

The HLF Series are large-scale electric furnaces which attain 1700℃ extremely quickly in oxidizing atmosphere, and exert excellent performance for use in research and development as well as for production.



Features

- Heating rate is extremely high.
- Can be used at extremely high temperatures.
- Temperature uniformity is good since the furnace is of large-scale.
- Is equipped with a complete set of safety assuring functions.

Specifications

Model	HLF-2030	HLF-2035	HLF-2530	HLF-3040	HLF-3050			
Maximum temperature	1700℃							
Temperature during normal operation	1600℃							
Electric power source (50 or 60 Hz)	1φ 200V	1φ 200V	3φ 200V	3φ 200V	3φ 200V			
Power requirements	8KVA	8KVA	11KVA	15KVA	16KVA			
Time required for heating	40 minutes	45 minutes	50 minutes	50 minutes	50 minutes			
Temperature uniformity	±5℃	±5℃	±5℃	±8℃	±8℃			
Atmosphere	Oxidizing atmosphere (in atmospheric air)							
Heater	Molybdenum disilicide MoSi2							
Control method	P.I.D. SCR continuous control							
Furnace dimensions	Internal dimensions of furnace	Height	200mm	200mm	250mm	300mm	300mm	
		Width	200mm	200mm	250mm	300mm	300mm	
		Depth	300mm	350mm	300mm	400mm	500mm	
	Furnace main body	Height	570mm			790mm	820mm	
		Width	520mm			650mm	700mm	
		Depth	650mm			720mm	820mm	
	Control panel	Height	550mm			700mm	700mm	
		Width	520mm			700mm	700mm	
		Depth	700mm			1050mm	1050mm	