

Large-scale elevator system-assisted electric furnace (HPF)

HPF is an elevator system-assisted electric furnace developed with the aim of furnace enlargement and uniform heating. It bakes in large quantities and provides uniform heating over a wide range under high temperatures: its performance is excellent for research and production.



features

- Assures precise and uniform heating over a wide range, under high temperatures.
- Is equipped with an electric power-operated system to lift the hearth up and down smoothly.
- Is able to handle heavy work.
- Due to its large-scale feature, is able to bake work in irregular form.
- Heating temperature is adjustable.
- Provides good workability and is easy to operate.
- Is equipped with safety assuring functions (e.g. prevention of overheating, prevention of current overload)

【Specifications】

Model		HPF-5050	HPF-50100	HPF-50200
Internal dimensions of furnace		500W×500H×500D	500W×500H×1000D	500W×500H×1000D
Maximum temperature		1700℃		
Temperature during normal operation		1600℃		
Temperature uniformity		±3~±5℃(with no charge)		
Time required for heating		120 minutes (to 1600℃ with no charge)		150 minutes (to 1600℃ with no charge)
Control method		P.I.D. SCR continuous control for 1 to 3 Zones Heater		
Heater		MoSi2		
Power requirements		3φ 200V 29KVA	3φ 200V 60KVA	3φ 200V 80KVA
Heating method		Heating on four sides		
External dimensions	Furnace main body	1450W×2520H×1450D	1500W×2520H×2500D	1600W×2350H×3150D
	Control panel	900W×1600H×700D	1000W×1800H×800D	1200W×1800H×900D

【Temperature distribution】

