

LUCIFER FURNACES

Manufacturer of Industrial Heat Treating Furnaces and Ovens



Series EL 3000 - High Temperature Elevator Furnaces



Rated to 2450°F with silicon carbide heating elements for processing high speed steels and ceramics. Chambers are brick-lined for rugged applications with coil heating elements located on all 4 side walls for uniform heat. A hydraulic system provides a smooth, controlled lift of the work bed. Chamber opening is corbelled, providing a positive seal with bed insulation. Complete with step-down transformer and selector switches for regulating voltage to heating elements for better control and element life. All models are completely wired to N.E.C., assembled, test fired and shipped ready for connection to main power supply.

EL 3000 GT models are available for use with inert atmosphere. GT models are designed with a continuously welded furnace shell, gasketed door assembly, and atmosphere inlet and outlet ports for operation with a positive flow of higher atmosphere rates. These models are best suited for constant operation to maintain a dry refractory environment in the work area to minimize oxidation on workloads.

Standard Features

- Hydraulic elevator lift with pushbutton control.
- SCR power regulator with current limiting automatically increases voltage to elements.
- Easy-to-replace silicon carbide heating elements mounted on all sides for uniform heat.
- Energy efficient multi-layer lightweight insulating firebrick and mineral wool block increases heating and cooling rates.
- Corbelled insulated work bed minimizes heat loss.
- Angle iron construction with heavy-gauge sheet steel facing.
- Digital temperature controller in free standing panel.

Model Specifications

MODEL	CHAMBER			OVERALL			KW	VOLTAGE	WEIGHT (LBS.)	MAX LOAD (LBS.)
	H"	W"	L"	H"	W"	L"				
ELHS-181818	18	18	18	75	49	49	24.5	230/3/60	1715	135
ELHS-241818	24	18	18	87	49	49	27.5	230/3/60	2200	180
ELHS-242424	24	24	24	87	55	55	36.5	230/3/60	2750	320
ELHS-362424	36	24	24	111	55	55	47	230/3/60	3020	400
ELHS-482424	48	24	24	135	55	55	58	230/3/60	5225	480
ELHS-363636	36	36	36	111	68	68	76	230/3/60	6000	900
ELHS-483636	48	36	36	135	68	68	92	230/3/60	6575	1080

Options: Roll-away work bed on casters, spare work bed, ceramic fiber insulation, flow meters, recorders, computer control systems.

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