

LUCIFER FURNACES

Manufacturers of Industrial Heat Treating Furnaces & Ovens



Series 7000 LI - Fiber Lined Box Furnaces



Bench and floor models designed with lightweight ceramic fiber insulation for energy saving low power input and maximum heating efficiency for operation to 2200°F. Coil wound heating elements fully supported on ceramic rods for rapid radiation with faster heat up rates. This unique design provides easy element access and low cost, individual replacement of wires. Idea for hardening, drawing, preheating, annealing, brazing, normalizing and special applications in air atmosphere.

Ruggedly constructed and rated for work loads up to 40 lbs. per square foot of hearth area. All models are completely wired to N.E.C. standards, assembled, test fired and shipped ready for connection to main power supply. Compact design, easy installation, and simple, safe, dependable operation.

Standard Features

- Welded sheet metal shell construction with structural reinforcement.
- Heavy gauge, coil wound, low watt density heating elements for longer life.
- Multi-layered, energy efficient, lightweight ceramic fiber and mineral wool block insulation for maximum heat storage and minimum heat loss.
- Elements mounted individually on ceramic rods located on side walls for uniform temperature.
- Heat up rate to 2000°F in 45 minutes.
- Easy, low cost element replacement.
- Hearth plate for load support and floor insulation protection.
- Horizontal swing door with adjustable latch for positive seal.
- Safety micro-switch shuts off power to elements when door opens.
- Honeywell digital temperature controller with type K thermocouple and magnetic contactor.
- Controls are mounted in separate side mounted NEMA 1 panel and operate on 115 volts.

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Model Specifications

MODEL	CHAMBER			OVERALL			KW	VOLTAGE	WEIGHT (LBS.)
	H"	W"	L"	H"	W"	L"			
7LI-A6	6	6	6	24	20	26	1.5	115/1	110
7LI-A9	6	6	9	24	20	26	1.8	115/1	125
7LI-A12	6	6	12	24	20	29	2.8	230/1	145
7LI-A18	6	6	18	24	20	35	3.2	230/1	185
7LI-B9	9	9	9	27	23	29	3.2	230/460/1	165
7LI-B12	9	9	12	27	23	29	4	230/460/1	190
7LI-B18	9	9	18	27	23	35	5	230/460/1	245
7LI-B24	9	9	24	27	23	41	6.8	230/460/1	295
7LI-H12	9	12	12	27	26	29	4.8	230/460/1	248
7LI-H18	9	12	18	27	26	35	6.8	230/460/1	305
7LI-H24	9	12	24	27	26	41	8	230/460/1	370
7LI-H36	9	12	36	27	26	53	11	230/460/3	505
7LI-K12	12	12	12	31	26	29	5	230/460/1	275
7LI-K18	12	12	18	31	26	35	8.5	230/460/1	350
7LI-K24	12	12	24	31	26	41	10.5	230/460/3	430
7LI-K36	12	12	36	31	26	53	12	230/460/3	570
7LI-M18	12	18	18	54	38	35	11	230/460/3	455
7LI-M24	12	18	24	54	38	41	12	230/460/3	550
7LI-M36	12	18	36	54	38	53	14	230/460/3	730

Options: Floor stands (add 23" to overall H dimension and 10" to W dimension), program controllers, over temperature safety systems, timers, recorders, quench tanks, alternate door arrangements, forced cooling systems, computer interface, special voltages, gloves, tongs and foil wrap.



Bench model LI7-H18