

LUCIFER FURNACES, INC.



Manufacturer of Industrial Heat Treating Furnaces and Ovens

Series 7000 - General Purpose Box Furnaces

Bench and floor models for hardening, drawing, preheating, annealing, brazing, normalizing and special applications in air atmosphere. Available at operating temperatures of 1850°F(HA), 2000°F(DL) and 2300°F(HL). Ruggedly constructed and rated for work loads up to 50 lbs. per square foot of hearth area. All models are completely wired to N.E.C., assembled, test fired, and shipped ready for connection to main power supply. Compact design, fast installation, & simple, safe, dependable operation. Available in over 30 standard model sizes.

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 firebrick & mineral block insulation for maximum heat storage with minimum heat loss.
- Elements mounted in easy-to-replace holders located on side walls, door and back for uniform temperature.
- Hearth plate for load support and floor brick 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.



Bench Models

MODEL	CHAMBER H" W" L"	OVERALL H" W" L"	KW	VOLTAGE	WEIGHT (LBS.)
7-A6	6 6 6	24 20 26	1.8	115/1	195
7-A9	6 6 9	24 20 26	2	115/1	220
7-A12	6 6 12	24 20 29	3.5	230/1	245
7-A18	6 6 18	24 20 35	4	230/1	270
7-B9	9 9 9	27 23 29	4	230/460/1	295
7-B12	9 9 12	27 23 29	5	230/460/1	315
7-B18	9 9 18	27 23 35	6.5	230/460/1	350
7-B24	9 9 24	27 23 41	8.5	230/460/1	385
7-H12	9 12 12	27 26 29	6	230/460/1	360
7-H18	9 12 18	27 26 35	8.5	230/460/1	405
7-H24	9 12 24	27 26 41	10	230/460/1	450
7-H36	9 12 36	27 26 53	14	230/460/3	540
7-K12	12 12 12	31 26 29	6.5	230/460/1	410
7-K18	12 12 18	31 26 35	10	230/460/1	460
7-K24	12 12 24	31 26 41	13	230/460/3	510
7-K36	12 12 36	31 26 53	15	230/460/3	615

Options: Program controllers, over temperature safety systems, timers, recorders, quench tanks, alternate door arrangements, floor stand, forced cooling systems, computer interface, special voltages, gloves, tongs and foil wrap.

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Floor Models

MODEL	CHAMBER H" W" L"	OVERALL H" W" L"	KW	VOLTAGE	WEIGHT (LBS.)
7-M18	12 18 18	54 38 35	14	230/460/3	605
7-M24	12 18 24	54 38 42	15	230/460/3	675
7-M36	12 18 36	54 38 53	18	230/460/3	810
7-M48	12 18 48	54 38 65	23	230/460/3	970
7-O18	18 18 18	60 38 35	15	230/460/3	810
7-O24	18 18 24	60 38 41	20	230/460/3	900
7-O36	18 18 36	60 38 53	25	230/460/3	1125
7-O48	18 18 48	60 38 65	32	230/460/3	1350
7-P18	18 24 18	60 44 35	20	230/460/3	955
7-P24	18 24 24	60 44 41	23	230/460/3	1060
7-P36	18 24 36	60 44 53	32	230/460/3	1325
7-P48	18 24 48	60 44 65	40	230/460/3	1590
7-R24	24 24 24	60 44 41	30	230/460/3	1605
7-R36	24 24 36	60 44 53	45	230/460/3	1925
7-R48	24 24 48	60 44 65	50	230/460/3	2310
7-S24	24 36 24	60 58 41	38	230/460/3	1950
7-S36	24 36 36	60 58 53	49	230/460/3	2300
7-S48	24 36 48	60 58 65	61	230/460/3	2650
7-S60	24 36 60	60 58 77	72	230/460/3	3000
7-S72	24 36 72	60 58 89	84	230/460/3	3300

Options: 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.

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