

# LUCIFER FURNACES

Manufacturer of Industrial Heat Treating Furnaces and Ovens



## Series 8000 - General Purpose Dual Chamber Furnaces

Unique "Space Saver" design offers convenience and economy of two independently controlled chambers in one packaged assembly. The upper chamber (Hardening) is available at operating temperatures of 1850°F (HA), 2000°F (DL), and 2300°F (HL) in air atmosphere. The lower chamber (Tempering) is complete with a stainless steel liner and fan to recirculate the heat for uniform temperature. Available at operating temperatures of 800°F (88), 1200 F°(82), 1400°F (84), and 1600°F (86). Ideal for Tool Rooms and Schools, providing a complete heat treat station in one furnace.

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, and simple, safe, dependable operation. Available in over thirty standard models sizes.

### Standard Features

- Welded sheet metal single shell construction.
- Both chambers designed with same working dimensions.
- Heavy gauge coil wound low watt density heating elements for longer life.
- Multi-layered energy efficient lightweight firebrick and mineral block insulation for maximum heat storage and minimum heat loss.
- Elements mounted in easy-to-replace holders.
- Hearth plate for load support and floor brick protection in upper chamber.
- Manual vertical lift upper chamber door and horizontal swing lower chamber door.
- Safety micro-switch shuts off power to elements and fan when door opens.
- Honeywell digital temperature controller with type K thermocouple and magnetic contactor on each chamber.
- Controls mounted in separate side mounted NEMA 1 panel and operate on 115 volts.

### Model Specifications

MODEL	CHAMBER			OVERALL			KW	VOLTAGE	WEIGHT (LBS.)
	H"	W"	L"	H"	W"	L"			
A-6	6	6	6	78	26	32	2.8	115/1	375
A-9	6	6	9	78	26	36	3.5	115/1	450
A-12	6	6	12	78	26	38	5.5	230/1	625
A-18	6	6	18	78	26	44	6.25	230/1	700
B-9	9	9	9	82	29	36	6.5	230/460/1	675
B-12	9	9	12	82	29	38	8	230/460/1	725
B-18	9	9	18	82	29	44	10.5	230/460/1	800
B-24	9	9	24	82	29	50	13.5	230/460/1	900
H-12	9	12	12	82	33	38	9.5	230/460/1	750
H-18	9	12	18	82	33	44	13.5	230/460/1	850
H-24	9	12	24	82	33	50	16	230/460/1	950
H-36	9	12	36	82	33	62	22.5	230/460/3	1,050
K-12	12	12	12	90	33	38	11	230/460/1	900
K-18	12	12	18	90	33	44	16	230/460/3	1,000
K-24	12	12	24	90	33	50	21.5	230/460/3	1,100
K-36	12	12	36	90	33	62	26	230/460/3	1,200
M-18	12	18	18	90	39	44	23	230/460/3	1,100
M-24	12	18	24	90	39	50	26	230/460/3	1,400
M-36	12	18	36	90	39	62	31	230/460/3	1,600
M-48	12	18	48	90	39	74	37	230/460/3	1,850
O-18	18	18	18	96	39	44	27	230/460/3	1,400
O-24	18	18	24	96	39	50	33	230/460/3	1,800
O-36	18	18	36	96	39	62	41	230/460/3	2,300
O-48	18	18	48	96	39	74	50	230/460/3	2,600
P-18	18	24	18	102	48	48	33	230/460/3	2,000
P-24	18	24	24	102	48	53	37	230/460/3	2,300
P-36	18	24	36	102	48	65	50	230/460/3	2,850
P-48	18	24	48	102	48	77	60	230/460/3	3,200
R-24	24	24	24	114	48	53	45	230/460/3	2,600
R-36	24	24	36	114	48	65	65	230/460/3	3,000
R-48	24	24	48	114	48	77	80	230/460/3	3,500



**Options:** Over temperature safety system, fusible disconnect switch, programmable controllers, air operated vertical lift door, soak timers, rollaway quench tank, heat treat foil, gloves and tongs.

**Notes:** Quench tanks may be stored below furnaces with chamber heights through 12" high.

2048 Bunnell Road - Warrington, PA 18976  
info@luciferfurnaces.com

Tel: 800-378-0095

Fax: 215-343-7388

www.luciferfurnaces.com