

# LUCIFER FURNACES, INC.



Manufacturer of Industrial Heat Treating Furnaces and Ovens

## Series 5000 - Heavy Duty Box Furnaces

Large general purpose box furnaces for hardening, drawing, preheating, annealing, brazing, normalizing and special applications in air atmosphere. Available at operating temperatures of 2000°F(DL) and 2300°F(HL).

Ruggedly constructed and rated for work loads up to 100 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. Safe, simple, and dependable operation. Available in fourteen standard model sizes.

### Standard Features

- Welded angle iron frame construction with sheet steel and plate lining.
- Heavy gauge coil wound low watt density heating elements for longer life.
- Heating elements located on sides, door, back and below the hearth to provide uniform temperature.
- Multi-layered 7" of energy efficient firebrick, mineral wool block, and ceramic fiber insulation for maximum heat storage, minimum heat loss and lower utility costs.
- Silicon carbide hearth plates form a rugged work surface for supporting load.
- Vertical lift, air-operated door keeps hot face surface away from personnel.
- Safety micro-switch shuts off power to elements when door opens.
- Honeywell digital temperature controller with type K thermocouple and magnetic contactor.
- Controls mounted in separate side-mounted NEMA 1 panel and operate on 115 volts.
- Chambers 72" long designed for two zone control.



Available as GT Model  
for use with atmosphere

### Model Specifications

MODEL	CHAMBER			OVERALL			KW AIR	KW GT	VOLTAGE	WEIGHT (LBS.)
	H"	W"	L"	H"	W"	L"				
5-S36	24	36	36	107	68	69	60	64	230/460/3	4390
5-S48	24	36	48	107	68	81	70	75	230/460/3	5160
5-S60	24	36	60	107	68	93	80	87	230/460/3	6090
5-S72	24	36	72	107	68	106	95	103	230/460/3	7020
5-V36	36	36	36	120	68	69	80	86	230/460/3	4940
5-V48	36	36	48	120	68	81	95	103	230/460/3	5830
5-V60	36	36	60	120	68	93	105	115	230/460/3	6840
5-V72	36	36	72	120	68	106	125	137	230/460/3	7870
5-VW48	36	48	48	120	80	81	110	121	230/460/3	5970
5-VW60	36	48	60	120	80	93	120	133	230/460/3	7370
5-VW72	36	48	72	120	80	106	130	146	230/460/3	8450
5-X48	48	48	48	134	80	81	125	139	230/460/3	6940
5-X60	48	48	60	134	80	93	135	153	230/460/3	8070
5-X72	48	48	72	134	80	106	150	171	230/460/3	9240

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

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