LUCIFER FURNACES, INC.

Manufacturer of Industrial Heat Treating Furnaces and Ovens

Series 3029-Heavy Duty High Temperature Box Furnaces

Model 3029-O24

Large heavy duty high temperature furnaces designed with silicon carbide heating elements for operation to 2500°F(BB) or 2750°F(CL). Ideal for processing high speed steels, special alloys and ceramic applications. The chambers are ruggedly constructed, lined with firebrick insulation with silicon carbide heating elements mounted above and below the hearth for uniform heat. These models are complete with step down transformer and selector switches for regulating voltage to the heating elements, providing longer life.

All models are completely wired to N.E.C., assembled, test fired and shipped ready for connection to main power supply. Available in twelve standard models sizes.

Standard Features

- Heavy gauge sheet metal shell construction with structural reinforcement.
- Silicon carbide elements mounted above and below the hearth.
- Tapped power transformer and selector switches for a 70% element resistance increase.
- Multi-layered 9" of firebrick and mineral wool insulation.
- Silicon carbide hearth plates support the work load and transfer heat from the floor elements.
- Manual vertical lift door to keep hot face surface away from operator.
- Safety micro-switch shuts off power to elements when door opens.
- Honeywell digital temperature controller with type R thermocouple.
- Controls mounted in free standing NEMA 1 control panel.

Model Specifications

MODEL	CHAMBER H"	W"	L"	OVERALL H"	W"	L"	KW 2500°F	KW 2750°F	VOLTAGE
3029-O24	18	18	24	120	50	48	39	45	230/3
3029-O36	18	18	36	120	50	60	51	60	230/3
3029-P24	18	24	24	120	57	48	45	51	230/3
3029-P36	18	24	36	120	57	60	60	69	230/3
3029-R24	24	24	24	120	57	48	48	60	230/3
3029-R36	24	24	36	120	57	60	66	78	230/3
3029-R48	24	24	48	120	57	72	81	96	230/3
3029-S36	24	36	36	120	69	60	84	99	230/3
3029-S48	24	36	48	120	69	72	105	120	230/3
3029-V36	36	36	36	134	69	60	99	114	230/3
3029-V48	36	36	48	134	69	72	123	144	230/3
3029-V60	36	36	60	134	69	84	144	171	230/3

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

2048 Bunnell Road - Warrington, PA 18976 Tel: 800-378-0095 Fax: 215-343-7388
info@luciferfurnaces.com www.luciferfurnaces.com