

LUCIFER FURNACES



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.

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