LUCIFER FURNACES, INC.

Manufacturer of Industrial Heat Treating Furnaces and Ovens

Series 3027 - High Temperature Box Furnaces

Model CL3027-K12

Compact space saving furnaces with silicon carbide heating elements for operation to 2500°F(BB) or 2750°F(CL). Ideal for laboratories, tool & die facilities, machine shops and ceramic applications. Chambers are ruggedly constructed, lined with firebrick insulation and designed 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 the 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 nine 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 7.5" of firebrick and mineral wool insulation.
- Silicon carbide hearth plates support the work load and transfer heat from floor elements.
- Double-Pivot horizontal swing 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 are mounted below furnace in enclosed cabinet and operate on 115 volts.

Model Specifications

MODEL	CHAMBER			OVERALL			KW	KW	VOLTAGE
	H"	W"	L"	H"	W"	L"	2500°F	2750°F	
3027-B12	9	9	12	62	40	32	10	12	230/3
3027-B18	9	9	18	62	40	38	13	16	230/3
3027-K12	12	12	12	65	43	32	12	15	230/3
3027-K18	12	12	18	65	43	38	17	19	230/3
3027-K24	12	12	24	65	43	44	20	24	230/3
3027-K36	12	12	36	65	43	56	28	33	230/3
3027-M18	12	18	18	65	49	38	21	25	230/3
3027-M24	12	18	24	65	49	44	26	30	230/3
3027-M36	12	18	36	65	49	56	36	42	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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