

8000 LI DUAL CHAMBER FURNACES



FIBER LINED DUAL CHAMBER FURNACES

Unique "Space Saver" design offers the convenience and economy of two independently controlled chambers in one packaged assembly. The upper chamber (Hardening) is designed with lightweight ceramic fiber insulation for energy saving low power input and maximum heating efficiency for operation to 2200°F. Upper chamber coil wound heating elements are fully supported on ceramic rods for rapid radiation with faster heat-up rates. This unique design provides easy element access and low-cost, individual replacement of wires. The lower chamber (Tempering) is complete with a stainless steel liner and fan to recirculate heat for uniform temperature. Available at operating temperatures of 800°F to 1600°F. Ideal for Tool Rooms and Schools, providing a complete heat treat station in one furnace.

Ruggedly constructed and rated for work loads up to 40 lbs. per square foot of hearth area. All models are completely wired, assembled, test-fired, and shipped ready for connection to the main power supply. Compact design, fast installation, and simple, safe, dependable operation.

STANDARD FEATURES

- Welded sheet metal single shell construction.
- Both chambers are designed with the same working dimensions.
- Heavy gauge coil wound low watt density heating elements for longer life.



Model LI82-M18

- Multi-layered energy-efficient lightweight ceramic fiber insulation in the upper chamber and firebrick in the lower oven for maximum heat storage and minimum heat loss.
- Lower chamber elements are mounted in easy-to-replace holders on side walls.
- Hearth plate for load support and floor brick protection in the upper chamber.
- Horizontal swing doors on both chambers.
- Safety micro-switch shuts off power to elements and fan when the door opens.
- Eurotherm digital temperature controller with type K thermocouple and magnetic contactor on each chamber.
- Controls are mounted in a separate side-mounted NEMA 1 panel and operate on 115 volts.

Note: Quench tanks can be stored below units with chamber heights through 12".

MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
LI8-A6	6"H X 6"W X 6"D	52"H X 24"W X 32"D		230/1	
LI8-A9	6"H X 6"W X 9"D	52"H X 24"W X 36"D	3	230/1	
LI8-A12	6"H X 6"W X 12"D	52"H X 24"W X 38"D	4.5	230/1	
LI8-A18	6"H X 6"W X 18"D	52"H X 24"W X 44"D	5.5	230/1	
LI8-B9	9"H X 9"W X 9"D	52"H X 27"W X 36"D	5.5	230/1	
LI8-B12	9"H X 9"W X 12"D	52"H X 27"W X 38"D	6.5	230/1	
LI8-B18	9"H X 9"W X 18"D	52"H X 27"W X 44"D	8.5	230/1	
LI8-B24	9"H X 9"W X 24"D	52"H X 27"W X 50"D	11	230/1	
LI8-H12	9"H X 12"W X 12"D	52"H X 31"W X 38"D	7.5	230/1	
LI8-H18	9"H X 12"W X 18"D	52"H X 31"W X 44"D	11	230/1	
LI8-H24	9"H X 12"W X 24"D	52"H X 31"W X 50"D	13	230/1	
LI8-H36	9"H X 12"W X 36"D	52"H X 31"W X 62"D	18	230/460/3	
LI8-K12	12"H X 12"W X 12"D	60"H X 31"W X 38"D	9	230/1	
LI8-K18	12"H X 12"W X 18"D	60"H X 31"W X 44"D	13	230/460/1	
LI8-K24	12"H X 12"W X 24"D	60"H X 31"W X 50"D	17.5	230/460/1	
LI8-K36	12"H X 12"W X 36"D	60"H X 31"W X 62"D	21	230/460/3	
LI8-M18	12"H X 18"W X 18"D	60"H X 37"W X 44"D	19.5	230/460/1	
LI8-M24	12"H X 18"W X 24"D	60"H X 37"W X 50"D	23	230/460/3	
LI8-M36	12"H X 18"W X 36"D	60"H X 37"W X 62"D	25	230/460/3	