

8000 DUAL CHAMBER FURNACES



GENERAL PURPOSE, DUAL CHAMBER

Unique "Space Saver" design offers the convenience and economy of two independently controlled chambers in one packaged assembly.

Operating Temperatures:

The upper chamber (Hardening): 1850°F

The lower chamber (Tempering) :88 Models: 800°F, 82 Models: 1200°F, 84 Models: 1400°F, 86 Models: 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 50 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. Available in over thirty standard model sizes.

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.
- Multi-layered energy efficient lightweight firebrick and mineral block insulation for maximum heat storage and minimum heat loss.
- Elements mounted in easy-to-replace holders.



Model HL82-M18

- Hearth plate for load support and floor brick protection in the upper chamber.
- Manual vertical lift upper chamber door. Horizontal swing lower chamber door.
- 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 mounted in a side-mounted NEMA 1 panel operate on 115 volts.

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

OPTIONS

- Different door styles,
- Programmable controllers,
- Recorders,
- Timers,
- Cooling options are available

82 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
HL82-A12	6"H X 6"W X 12"D	78"H X 26"W X 38"D	5.5	230/1	625
HL82-A9	6"H X 6"W X 9"D	78"H X 26"W X 36"D	3.5	115/1	450
HL82-B12	9"H X 9"W X 12"D	82"H X 29"W X 38"D	8	230/460/1	725
HL82-B18	9"H X 9"W X 18"D	82"H X 29"W X 44"D	10.5	230/460/1	800
HL82-B9	9"H X 9"W X 9"D	82"H X 29"W X 36"D	6.5	230/460/1	675
HL82-H12	9"H X 12"W X 12"D	82"H X 33"W X 38"D	9.5	230/460/1	750
HL82-H18	9"H X 12"W X 18"D	82"H X 33"W X 44"D	13.5	230/460/1	850
HL82-H24	9"H X 12"W X 24"D	82"H X 33"W X 50"D	16	230/460/1	950
HL82-K12	12"H X 12"W X 12"D	90"H X 33"W X 38"D	11	230/460/1	900
HL82-K18	12"H X 12"W X 18"D	90"H X 33"W X 44"D	16	230/460/3	1000
HL82-K24	12"H X 12"W X 24"D	90"H X 33"W X 50"D	21.5	230/460/3	1100
HL82-K36	12"H X 12"W X 36"D	90"H X 33"W X 62"D	26	230/460/3	1200
HL82-M18	12"H X 18"W X 18"D	90"H X 39"W X 44"D	23	230/460/3	1100
HL82-M24	12"H X 18"W X 24"D	90"H X 39"W X 50"D	26	230/460/3	1400
HL82-M36	12"H X 18"W X 36"D	90"H X 39"W X 62"D	31	230/460/3	1600
HL82-O18	18"H X 18"W X 18"D	96"H X 39"W X 44"D	27	230/460/3	1400
HL82-O24	18"H X 18"W X 24"D	96"H X 39"W X 50"D	33	230/460/3	1800
HL82-O36	18"H X 18"W X 36"D	96"H X 39"W X 62"D	41	230/460/3	2300
HL82-O48	18"H X 18"W X 48"D	96"H X 39"W X 74"D	50	230/460/3	2600
HL82-P24	18"H X 24"W X 24"D	102"H X 48"W X 53"D	37	230/460/3	2300
HL82-P36	18"H X 24"W X 36"D	102"H X 48"W X 65"D	53	230/460/3	2850
HL82-P48	18"H X 24"W X 48"D	102"H X 48"W X 77"D	60	230/460/3	3200
HL82-R24	24"H X 24"W X 24"D	114"H X 48"W X 53"D	45	230/460/3	2600
HL82-R36	24"H X 24"W X 36"D	114"H X 48"W X 65"D	65	230/460/3	3000
HL82-R48	24"H X 24"W X 48"D	114"H X 48"W X 77"D	80	230/460/3	3500
HL82-S36	24"H X 36"W X 36"D	114"H X 64"W X 65"D	84	230/460/3	1650
HL82-S48	24"H X 36"W X 48"D	114"H X 64"W X 77"D	103	230/460/3	1975

84 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
HL84-A12	6"H X 6"W X 12"D	78"H X 26"W X 38"D	5.5	230/1	625
HL84-A9	6"H X 6"W X 9"D	78"H X 26"W X 36"D	3.5	115/1	450
HL84-B12	9"H X 9"W X 12"D	82"H X 29"W X 38"D	8	230/460/1	725
HL84-B18	9"H X 9"W X 18"D	82"H X 29"W X 44"D	10.5	230/460/1	800
HL84-B9	9"H X 9"W X 9"D	82"H X 29"W X 36"D	6.5	230/460/1	675
HL84-H12	9"H X 12"W X 12"D	82"H X 33"W X 38"D	10	230/460/1	750
HL84-H18	9"H X 12"W X 18"D	82"H X 33"W X 44"D	14	230/460/1	850
HL84-H24	9"H X 12"W X 24"D	82"H X 33"W X 50"D	16.5	230/460/1	950
HL84-K12	12"H X 12"W X 12"D	90"H X 33"W X 38"D	11.5	230/460/1	900
HL84-K18	12"H X 12"W X 18"D	90"H X 33"W X 44"D	16.5	230/460/3	1000
HL84-K24	12"H X 12"W X 24"D	90"H X 33"W X 50"D	21.5	230/460/3	1100
HL84-K36	12"H X 12"W X 36"D	90"H X 33"W X 62"D	26	230/460/3	1200
HL84-M18	12"H X 18"W X 18"D	90"H X 39"W X 44"D	23	230/460/3	1100
HL84-M24	12"H X 18"W X 24"D	90"H X 39"W X 50"D	26	230/460/3	1400
HL84-M36	12"H X 18"W X 36"D	90"H X 39"W X 62"D	32	230/460/3	1600
HL84-O18	18"H X 18"W X 18"D	96"H X 39"W X 44"D	27	230/460/3	1400
HL84-O24	18"H X 18"W X 24"D	96"H X 39"W X 50"D	34	230/460/3	1800
HL84-O36	18"H X 18"W X 36"D	96"H X 39"W X 62"D	41	230/460/3	2300
HL84-O48	18"H X 18"W X 48"D	96"H X 39"W X 74"D	52	230/460/3	2600
HL84-P24	18"H X 24"W X 24"D	102"H X 48"W X 53"D	38	230/460/3	2300
HL84-P36	18"H X 24"W X 36"D	102"H X 48"W X 65"D	55	230/460/3	2850
HL84-P48	18"H X 24"W X 48"D	102"H X 48"W X 77"D	62	230/460/3	3200
HL84-R24	24"H X 24"W X 24"D	114"H X 48"W X 53"D	48	230/460/3	2600
HL84-R36	24"H X 24"W X 36"D	114"H X 48"W X 65"D	67	230/460/3	3000
HL84-R48	24"H X 24"W X 48"D	114"H X 48"W X 77"D	82	230/460/3	3500

86 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
HL86-A12	6"H X 6"W X 12"D	78"H X 26"W X 38"D	6	230/1	625
HL86-A9	6"H X 6"W X 9"D	78"H X 26"W X 36"D	3.8	115/1	450
HL86-B12	9"H X 9"W X 12"D	82"H X 29"W X 38"D	8.5	230/460/1	725
HL86-B18	9"H X 9"W X 18"D	82"H X 29"W X 44"D	11	230/460/1	800
HL86-B9	9"H X 9"W X 9"D	82"H X 29"W X 36"D	7	230/460/1	675
HL86-H12	9"H X 12"W X 12"D	82"H X 33"W X 38"D	10.5	230/460/1	750
HL86-H18	9"H X 12"W X 18"D	82"H X 33"W X 44"D	14.5	230/460/1	850
HL86-H24	9"H X 12"W X 24"D	82"H X 33"W X 50"D	17.5	230/460/1	950
HL86-K12	12"H X 12"W X 12"D	90"H X 33"W X 38"D	12	230/460/1	900
HL86-K18	12"H X 12"W X 18"D	90"H X 33"W X 44"D	17.5	230/460/3	1000
HL86-K24	12"H X 12"W X 24"D	90"H X 33"W X 50"D	22.5	230/460/3	1100
HL86-K36	12"H X 12"W X 36"D	90"H X 33"W X 62"D	28	230/460/3	1200
HL86-M18	12"H X 18"W X 18"D	90"H X 39"W X 44"D	24	230/460/3	1100
HL86-M24	12"H X 18"W X 24"D	90"H X 39"W X 50"D	28	230/460/3	1400
HL86-M36	12"H X 18"W X 36"D	90"H X 39"W X 62"D	33	230/460/3	1600
HL86-O18	18"H X 18"W X 18"D	96"H X 39"W X 44"D	29	230/460/3	1400
HL86-O24	18"H X 18"W X 24"D	96"H X 39"W X 50"D	35	230/460/3	1800
HL86-O36	18"H X 18"W X 36"D	96"H X 39"W X 62"D	43	230/460/3	2300
HL86-O48	18"H X 18"W X 48"D	96"H X 39"W X 74"D	54	230/460/3	2600
HL86-P24	18"H X 24"W X 24"D	102"H X 48"W X 53"D	39	230/460/3	2300
HL86-P36	18"H X 24"W X 36"D	102"H X 48"W X 65"D	57	230/460/3	2850
HL86-P48	18"H X 24"W X 48"D	102"H X 48"W X 77"D	68	230/460/3	3200
HL86-R24	24"H X 24"W X 24"D	114"H X 48"W X 53"D	50	230/460/3	2600
HL86-R36	24"H X 24"W X 36"D	114"H X 48"W X 65"D	73	230/460/3	3000
HL86-R48	24"H X 24"W X 48"D	114"H X 48"W X 77"D	85	230/460/3	3500

88 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
HL88-A12	6"H X 6"W X 12"D	78"H X 26"W X 38"D	5	230/1	625
HL88-A9	6"H X 6"W X 9"D	78"H X 26"W X 36"D	3	115/1	450
HL88-B12	9"H X 9"W X 12"D	82"H X 29"W X 38"D	7	230/460/1	725
HL88-B18	9"H X 9"W X 18"D	82"H X 29"W X 44"D	9	230/460/1	800
HL88-B9	9"H X 9"W X 9"D	82"H X 29"W X 36"D	6	230/460/1	675
HL88-H12	9"H X 12"W X 12"D	82"H X 33"W X 38"D	8.5	230/460/1	750
HL88-H18	9"H X 12"W X 18"D	82"H X 33"W X 44"D	12.5	230/460/1	850
HL88-H24	9"H X 12"W X 24"D	82"H X 33"W X 50"D	14.5	230/460/1	950
HL88-K12	12"H X 12"W X 12"D	90"H X 33"W X 38"D	10	230/460/1	900
HL88-K18	12"H X 12"W X 18"D	90"H X 33"W X 44"D	14.5	230/460/3	1000
HL88-K24	12"H X 12"W X 24"D	90"H X 33"W X 50"D	19.5	230/460/3	1100
HL88-K36	12"H X 12"W X 36"D	90"H X 33"W X 62"D	23	230/460/3	1200
HL88-M18	12"H X 18"W X 18"D	90"H X 39"W X 44"D	21	230/460/3	1100
HL88-M24	12"H X 18"W X 24"D	90"H X 39"W X 50"D	23	230/460/3	1400
HL88-M36	12"H X 18"W X 36"D	90"H X 39"W X 62"D	28	230/460/3	1600
HL88-O18	18"H X 18"W X 18"D	96"H X 39"W X 44"D	24	230/460/3	1400
HL88-O24	18"H X 18"W X 24"D	96"H X 39"W X 50"D	30	230/460/3	1800
HL88-O36	18"H X 18"W X 36"D	96"H X 39"W X 62"D	38	230/460/3	2300
HL88-O48	18"H X 18"W X 48"D	96"H X 39"W X 74"D	48	230/460/3	2600
HL88-P24	18"H X 24"W X 24"D	102"H X 48"W X 53"D	35	230/460/3	2300
HL88-P36	18"H X 24"W X 36"D	102"H X 48"W X 65"D	51	230/460/3	2850
HL88-P48	18"H X 24"W X 48"D	102"H X 48"W X 77"D	58	230/460/3	3200
HL88-R24	24"H X 24"W X 24"D	114"H X 48"W X 53"D	44	230/460/3	2600
HL88-R36	24"H X 24"W X 36"D	114"H X 48"W X 65"D	63	230/460/3	3000
HL88-R48	24"H X 24"W X 48"D	114"H X 48"W X 77"D	75	230/460/3	3500