

# 5000 SERIES - HEAVY DUTY FURNACE



## SAFE, SIMPLE, & DEPENDABLE

Large general purpose box furnaces for hardening, drawing, preheating, annealing, brazing, normalizing and special applications in air atmosphere. Available at operating temperatures of 2000°F(DL) and 2300°F(HL).

Ruggedly constructed and rated for work loads up to 100 lbs. per square foot of hearth area. All models are completely wired to N.E.C., assembled, test fired and shipped ready for connection to main power supply. Safe, simple, and dependable operation. Available in fourteen standard model sizes.



Model HL52-X48

## STANDARD FEATURES

- Welded angle iron frame construction with sheet steel and plate lining.
- Heavy gauge coil wound low watt density heating elements for longer life.
- Heating elements located on sides, door, back and below the hearth to provide uniform temperature.
- Multi-layered 7" of energy efficient firebrick, mineral wool block, and ceramic fiber insulation for maximum heat storage, minimum heat loss and lower utility costs.
- Silicon carbide hearth plates form a rugged work surface for supporting load.
- Vertical lift, air-operated door keeps hot face surface away from personnel.
- Safety micro-switch shuts off power to elements when door opens
- Eurotherm digital temperature controller with type K thermocouple and magnetic contactor.
- Controls mounted in separate side-mounted NEMA 1 panel and operate on 115 volts.
- Chambers 72" long designed for two zone control.

## MODEL SPECIFICATIONS

| Model    | Chamber Dimensions | Overall Dimensions   | KW  | Voltage | Weight (lbs) |
|----------|--------------------|----------------------|-----|---------|--------------|
| HL52-S36 | 24"H X 36"W X 36"D | 107"H X 68"W X 69"D  | 60  | 460     | 4390         |
| HL52-S48 | 24"H X 36"W X 48"D | 107"H X 68"W X 81"D  | 70  | 460     | 5160         |
| HL52-S60 | 24"H X 36"W X 60"D | 107"H X 68"W X 93"D  | 80  | 460     | 6090         |
| HL52-S72 | 24"H X 36"W X 72"D | 107"H X 68"W X 106"D | 95  | 460     | 7020         |
| HL52-V36 | 36"H X 36"W X 36"D | 120"H X 68"W X 69"D  | 80  | 460     | 4940         |
| HL52-V48 | 36"H X 36"W X 48"D | 120"H X 68"W X 81"D  | 95  | 460     | 5830         |
| HL52-V60 | 36"H X 36"W X 60"D | 120"H X 68"W X 93"D  | 105 | 460     | 6840         |
| HL52-V72 | 36"H X 36"W X 72"D | 120"H X 68"W X 106"D | 125 | 460     | 7870         |
| HL52-W48 | 36"H X 48"W X 48"D | 120"H X 80"W X 81"D  | 110 | 460     | 5970         |
| HL52-W60 | 36"H X 48"W X 60"D | 120"H X 80"W X 93"D  | 120 | 460     | 7370         |
| HL52-W72 | 36"H X 48"W X 72"D | 120"H X 80"W X 106"D | 130 | 460     | 8450         |
| HL52-X48 | 48"H X 48"W X 48"D | 134"H X 80"W X 81"D  | 125 | 460     | 6940         |
| HL52-X60 | 48"H X 48"W X 60"D | 134"H X 80"W X 93"D  | 135 | 460     | 8070         |
| HL52-X72 | 48"H X 48"W X 72"D | 134"H X 80"W X 106"D | 150 | 460     | 9240         |