



# SPECIAL FURNACE CO INC

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**REFERENCE:** Heat Treating Furnace

**FROM:** Tom Schultz, Sales Manager

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**One Model XLE4080 Electric Industrial Oven is listed.**

## **CONDITION LIKE NEW**

### **BASIC SPECIFICATIONS**

- Internal Working dimensions of 38" wide by 28" high by 76" deep



- External Dimensions of 79" wide by 80" high by 104" deep
- Temperature uniformity of  $\pm 20^{\circ}\text{F}$  (Above  $1200^{\circ}\text{F}$ )
- Maximum load of 1,500 pounds
- Maximum Temperature of  $2200^{\circ}\text{F}$
- Shipping Weight: 5,400 pounds

### **UTILITY REQUIREMENTS**

- 96.0 Kws
- 480/3/60 volts

### **CASE AND INNER LINING**

- 10 gauge welded steel case and integral stand
- Case is primed with  $800^{\circ}\text{F}$  silicone based primer and finished with machine enamel

### **DOOR**

- Double pivot horizontal plug door
- Door limit switch turns off elements when door is opened

### **INSULATION**

- Low K factor 2300 insulating firebrick with 2" of back up insulation on the sides and back
- Low K factor 2300 $^{\circ}\text{F}$  insulating firebrick with 2" of hard calcium silicate on the door and bottom
- 7" of ceramic fiber insulation on the top
- No asbestos is used

### **ELEMENTS**

- Evenly spaced iron aluminum chrome elements

- Ceramic element holders to support the elements
- Easy to change elements with unique ceramic element terminals

**HEARTH AND LOADING**

- Heavy Duty cast alloy hearth
- Internal cast alloy rails and wheels
- External loading table

**INDUSTRIAL WIRING SYSTEM**

- NEMA 1 Side Mounted Control Panel
- Wiring is designed for high temperatures
- NEMA 13 Door Cut Off Switch shuts power off to elements when door is opened

**TEMPERATURE CONTROLS**

- Honeywell UDC2500 Temperature Control
- Honeywell UDC 2500 high limit back up control with back up contactors and separate thermocouple
- Type K inconel sheathed Thermocouples

**POWER CONTROL**

- 2 Zone SCR Power Control with digital biasing for balancing of temperature gradients

**MISCELLANEOUS**

- The furnace is power tested to insure proper watt ratings. The controls are fully calibrated and the control system completely tested.
- Instruction manual includes start up instructions, theory of operation, maintenance instructions, parts list, and a detailed trouble shooting guide. A ladder logic diagram and panel layout are prepared on CAD for easy readability.
- The furnace is warranted for one year except for elements and thermocouples that are warranted for 3 months. Warranty is F.O.B. Aston, PA.

**CALL FOR PRICE****DELIVERY, TERMS, SHIPMENT, ENCLOSURES:**

**Availability:** Immediate

**Terms:** 50% with order, 50% Net 20 upon credit approval

**Shipment:** by Air Ride Moving Van at buyers cost (Common Carrier not permitted)

**ENCLOSURES:** XLE Brochure, UDC2500 Brochure, UDC2500 Brochure, Complete L&L Line Sheet, Customer List, Warranty, Terms