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High Temp Oven Model HT646

## **High Temperature Oven Model #HT646 144 Cubic Ft.**

**This oven is designed to operate at 1200°F maximum temperature and includes the following special features:**

### **High Temp Batch Oven Specifications:**

Effective Work Area: 72"W x 72"D x 48"H

External Dimensions: 116"W x 96"D x 96"H

KW: 75 KW

Recirculation Fan: 9000 CFM; 7.5 HP

Electric: TBD

- 8" Thick Insulated Walls, Ceiling, and Floor
- 1" Stainless Circulation Fan
- CRS exterior painted machine gray
- Stainless Steel Interior
- UL Listed Control Panel
- Electronic single set point temperature controller
- High Limit
- Door Switch
- Uniformity +/- 10 Deg. F

### **Oven Construction**

#### **Outside:**

Oven to be constructed of heavy gauge carbon steel and a full structural frame, painted machine grey. The front of the oven will be painted black with high temp paint.

#### **Inside:**

Oven interior to be constructed of Type 304 Stainless Steel

#### **Circulation System:**

One 30 inch Dia. fan and shaft, Horizontal airflow from sides to top. The pressure and return walls will be louvered for adjustability. The floor will be reinforced to handle a 3,000 Lb. load.

### **Air Flow Pattern:**

Selectable - Horizontal, Combination, Compound, Vertical Up or Down

### **Heating System:**

24- 3120 Watt heaters will be housed in the plenum area to heat the air to the desired temperature. The heat will be controlled by an SCR located in the control panel

### **Control Console:**

The control panel for the oven will be on the right hand side of the chamber. The panel will house the electrical components and be NEMA 1 and UL rated.

### **Uniformity:**

The oven will pass a 9 point survey +/- 10 Deg. F in 80% of the empty chamber

