

## USER MANUAL

### COOK AND HOLD OVEN



**MODEL:** SLO-1, SLO-2



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## **IMPORTANT FOR YOUR SAFETY**

THIS MANUAL HAS BEEN PREPARED FOR PERSONNEL QUALIFIED TO INSTALL ELECTRICAL EQUIPMENT, WHO SHOULD PERFORM THE INITIAL FIELD START- UP AND ADJUSTMENTS OF THE EQUIPMENT COVERED BY THIS MANUAL.

### **FOR YOUR SAFETY**

**DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS OR LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.**

### **WARNING**

**Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death.**

**Read the installation, operating and maintenance instructions thoroughly before installing or servicing equipment.**

**IN THE EVENT OF A POWER FAILURE, DO NOT ATTEMPT TO OPERATE THIS DEVICE**

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# GENERAL

## 1. INTRODUCTION

The Ovens are produced with quality workmanship and material. Proper installation, usage, and maintenance of your oven will result in many years of satisfactory performance. The Cook & Hold Oven is more than just an oven – it's a "System": precisely controlled heat, regulated to retain ascorbic acid and maximize the nutritional value, taste and eye-appeal of food.

In this environment, virtually any food product can be prepared to delicious perfection in just ONE oven! "System" food preparation eliminates the need for multiple ovens with duplicate features.

This manual is provided to assist persons responsible for the operation and maintenance of the oven with a simple, but comprehensive understanding of its proper use. We recommend that you thoroughly read this entire manual and carefully follow all of the instructions provided prior to placing the oven into operation. As with any piece of food service equipment, this oven system requires a minimum of care and maintenance. Recommended procedures are contained in this manual and should become a regular part of the operation of the unit.

The Cook & Hold Oven is the right choice for low temperature food preparation.

## 2. PRINCIPLE OF COOK & HOLD OVENS

The Cook & Hold Ovens are designed and perfected for cooking at a lower temperature. The principles of Low Temperature Cooking and Holding can be summarized into several objectives: increased product yields, increased profits from increased yields, increased moisture retention, increased tenderization, and consistency of doneness. When the Cook & Hold Oven finishes the cooking cycle, it automatically switches to the hold cycle. Throughout this manual we recommend holding temperatures such as 140° F (60° C). This temperature refers to the oven's hold temperature setting and not to the internal temperature of the food being roasted. The internal product temperature will run below the hold temperature. (For example: roast beef held at 140° F will be about 130° F internally or medium rare.) All meat products contain enzymes. These enzymes perform the important function of tenderizing the meat when they reach temperatures of 100° F (38° C) to 140° F (60° C).

As these enzymes are heated, they break down the connective tissue that is inherent in all red meat products. The hold cycle allows this natural tenderization process to proceed in an orderly manner. As long as the internal temperature of the meat does not exceed 140° F, the process will continue. Once the temperature reaches 140° F the process will stop, because the enzymes will be deactivated.

This tenderization process makes the meat more flavorful. It is similar to aging meat before it is sold. The longer the hold, the higher the degree of tenderization. **Each hour of holding is equal to one day of aging.**

### 3. BENEFITS OF COOK & HOLD OVENS

**Superior Results:** Low temperature roasting has been recognized as the best method for preparing meat and poultry because of increased tenderness, more even roasting, and a juicer product.

**Increased Sales:** You will attract more customers and have more repeat business because you are now producing a superior product in your market area. All of your products will be unique, from prime rib and chicken to BBQ ribs, pork roasts, and even bakery items!

**Reduced Energy Costs:** It costs significantly less to run a Cook &

hold Oven instead of a conventional oven. Also, in most areas, no exhaust hood is needed.

**Reduced Shrinkage of Product:** You can cut your percent of shrinkage from 25 to 30% down to 5 to 10%. This means more servings to sell to your customers! The Cook & Hold Oven can pay for itself in just months, depending on your volume.

**Reduced Labor Cost:** Your cooks do not have to come in early to put roasts in or stay late to take them out of the oven. Holding banquet foods in a Cook & Hold Oven reduces that last minute party prep to almost nothing.

### 4. COMPARISON OF COOK & HOLD OVENS

**“The Comparison Stops Here” – more than a catchy slogan, it’s a fact.**

Convection ovens, unlike this Cook & Hold Ovens, blast high temperature dry air over the product. The end result with convection oven cooking is excessive and unnecessary shrinkage.

**Cook & Hold Oven Systems:**

1. Offer a lifetime heating element warranty.
2. Provide a natural roasted brown caramelized product without coloring agents. “You can taste the difference.”
3. Do not require a ventilation hood. (See pg. 5)
4. Are accurate, plus or minus 5° F.
5. Are easy to clean.
6. Have stainless steel construction inside and out.

## 5. INSTALLATION

**Before installing, verify that the electrical service agrees with the specifications on the rating plate located on the lower back corner of the oven. (Fig. 4)** If the supply and equipment requirements do not agree, do not proceed with unpacking and installation. Contact your Customer Service Department immediately.

### **UNPACKING:**

The oven was inspected before leaving the factory. The transportation company assumes full responsibility for safe delivery upon acceptance of the shipment. Immediately after unpacking, check for possible shipping damage to the oven.

**If the oven is found to be damaged, save the packaging material and contact the carrier immediately.**

Carefully unpack and place in a work accessible area as near the installation position as possible.

1. Open oven door(s) and remove packing material.

2. Check under oven or separate package for racks, pans, etc.  
3. Peel off vinyl protection film from oven.

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The oven should be thoroughly cleaned prior to putting into service. Refer to cleaning instructions in this manual.

### **LOCATION:**

For efficient oven operation, choose a location that will provide easy loading and unloading without interfering with the final assembly of food orders. The installation location must be level and allow adequate clearances for servicing and proper operation.

### **SOVHD**

The SLO-2 oven is simply two (2) SLO-1 oven stacked on top of each other. One (1) oven will come with a caster kit and a stacking assembly on top. The oven without casters is placed inside the stacking assembly.

## 6. VENTILATION HOOD REQUIREMENTS

The unit must be installed in accordance with state and local codes, or in the absence of state and local codes, with the National Electrical Code ANSI/NFPA-70 (latest edition) and Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations NFPA 96 (latest edition).

Both are available from The National Fire Protection Association, Batterymarch Park, Quincy, MA 02269. In Canada refer to the Canadian Electrical Code C22.1 Part 1 (latest addition).

## 7. ELECTRICAL REQUIREMENTS

### ELECTRICAL CODES & STANDARDS:

The oven must be installed in accordance with:

#### **In the United States of America:**

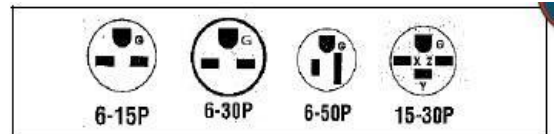
1. State and Local Codes.
2. National Electrical Code, ANSI/ NFPA-70 (latest edition.) Copies may be obtained from: The National Fire Protection Association.

#### **In Canada:**

1. Local Codes.
2. Canadian Electrical Code, CSA C22.1 (latest edition.) Copies may be obtained from: The Canadian Standard Association. [www.csa.ca](http://www.csa.ca)

### ELECTRICAL CONNECTIONS:

The oven is factory wired for single phase 208/240 volt or three phase operation. All ovens are equipped with a 6 foot cord and NEMA 6-15, 6-30, 6-50, or a 15-30 plug as standard equipment. (Fig. 3)



(Fig.3)

The cord and plug supplied is a suitable durable cord with a proper strain relief.

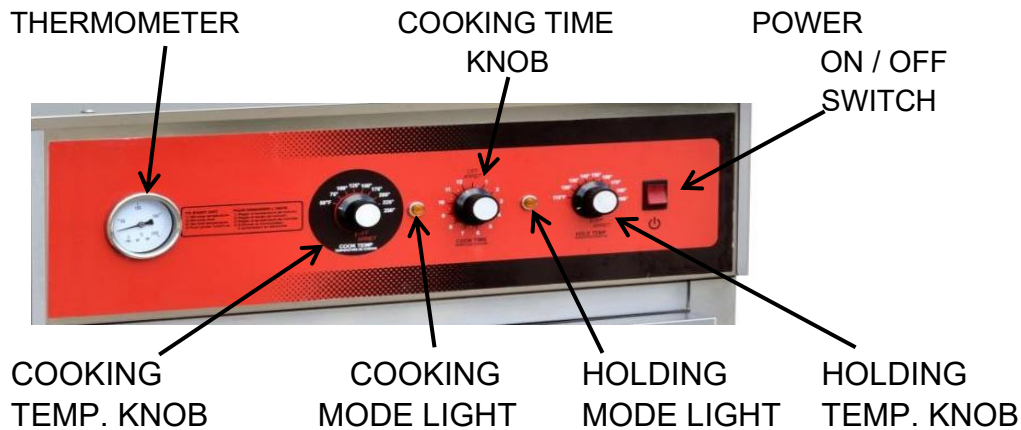
# OPERATION

## 1. CONTROLS

### **⚠ WARNING**

The Oven and its parts are hot. Be very careful when operating, cleaning, or servicing the oven.

All operating controls are located on the front Control Panel(s). The oven is supplied with individual operating controls for each oven cavity.



**Thermometer:** Indicates the interior temperature of the oven.

**Cooking Time Knob:** Sets the desired cooking time from ½ hour to 12 hours.

**Power ON/OFF Switch:** Turns the oven On or Off.

**Cooking Temperature Knob:** Sets the desired cooking temperature.

**Cooking Mode Light:** Indicates oven is in Cooking Mode.

**Holding Mode Light:** Indicates oven is in Holding Mode.

**Holding Temperature Knob:** Sets the desired holding temperature.

## 2. OPERATING INSTRUCTIONS

### **⚠ WARNING**

The Oven and its parts are hot. Be very careful when operating, cleaning, or servicing the oven.

1. Turn Cooking temperature knob to desired Cooking temperature
2. Set Cooking timer knob(s) to desired cooking time to include 30 to 60 minute preheat time.

3. Turn Holding Temperature knob to desired holding temperature.
4. Turn On/Off Switch to ON position. On/Off indicator Light and Holding Temperature Light will illuminate.

When the oven reaches the desired cooking temperature it is ready for use. Keep the oven door closed during the preheating cycle.



### 3. BEFORE FIRST USE

#### **⚠ WARNING**

The Oven and its parts are hot. Be very careful when operating, cleaning, or servicing the oven.

1. Thoroughly clean the oven before initial use. Please refer

to cleaning instructions in this manual.

2. Test the oven to verify that the oven operates normally. Please refer to "Testing The Oven" procedure in this manual.

### 4. TESTING THE OVEN

#### **⚠ WARNING**

The Oven and its parts are hot. Be very careful when operating, cleaning, or servicing the oven.

Before using the oven for the first time, verify that the oven operates normally.

1. Check that the oven is connected to the correct power source.

2. Set the COOKING TIME knob to 0.

3. Turn the HOLDING TEMPERATURE knob to 140° F.

4. Set Power ON/OFF Switch to ON position.

5. Check that the Oven Circulating Fan(s) are running.

6. Check that the Holding Temperature Indicator Light is illuminated

Each Oven is equipped with cooling fans. The cooling fans may not operate when the oven is first turned on. The cooling fans operate only when the thermostat, to which they are connected, requires it

7. Set the COOKING TIME knob to 2 hours. The Holding Temperature Indicator Light will go out and the Cooking Temperature Indicator Light will illuminate.

8. Turn the COOKING TEMPERATURE knob to 250° F.

Check the interior rear of the oven cavity to determine that the oven is heating.

9. Turn the COOKING TIME KNOB to 0 and set the HOLDING TEMPERATURE knob at 250° F.

10. Check that the Cooking Temperature Indicator Light has gone out and the Holding Temperature Indicator Light has illuminated.

11. Check the interior rear of the oven to ensure that the oven is heating. If all the functions perform satisfactorily, the oven is ready for operation.

## 5. SHUTDOWN

### **⚠ WARNING**

The Oven and its parts are hot. Be very careful when operating, cleaning, or servicing the oven.

1. Turn Holding Temperature knob and Cooking Temperature knob counter-clockwise until they stop at the Off position..

2. Open door slightly to allow ventilation and cool down period. This is to allow oven to properly cool down so components are not damaged

On/Off Switch to OFF because the cooling fans need to operate during the cool-down period.

3. Turn On/Off Switch to OFF position

The cooling fans will automatically turn off when the proper cool-down temperature is reached.

## 6. EXTENDED SHUTDOWN

### **⚠ WARNING**

The Oven and its parts are hot. Be very careful when operating, cleaning, or servicing the oven. Perform the following procedure to shut down the oven for an extended period of time.

1. Perform the SHUTDOWN procedure.

2. Unplug the oven.

3. Thoroughly clean the oven according to the cleaning procedures in this manual.

4. Leave the door(s) slightly open to allow ventilation and preservation of the gasket(s).

# MAINTENANCE

## 1. CLEANING

### **⚠ WARNING**

The Oven and its parts are hot. Be very careful when operating, cleaning, or servicing the oven.

### **⚠ WARNING**

Always unplug electrical power supply before cleaning.

Avoid splashing water into upper areas of the oven to prevent damage to electrical components or connections.

Never spray the unit with a hose.

Never use harsh chemicals or abrasive pads to clean the oven.

### **HEAT TINT:**

Darkened areas, called "heat tint," may appear on stainless steel exposed to excessive heat. Excessive heat causes the protective film to thicken. This is unsightly, but is not a sign of permanent damage.

## 2. DOOR GASKET CARE

### DOOR GASKET:

At least once a week, thoroughly check the door gasket for damage/wear. A damaged gasket can cause inefficient and unsatisfactory operation of the oven.

If the gasket requires cleaning:

1. Gently wash gasket using a moist cloth, a mild detergent solution, and warm water.

### DAILY:

1. Unplug electrical power supply.
2. Allow oven to go through cool down period before cleaning.
3. Remove the Interior Side Racks
4. Take the Interior Side Racks to a sink or dishwasher for a thorough cleaning. Use a mild soap and water solution to clean these items.
5. If necessary, clean the interior of the oven with a damp cloth. Wipe dry with a soft dry cloth.
6. Reassemble oven.
7. Clean the exterior of the oven with a clean damp cloth.

2. Rinse with a fresh cloth moistened in warm water to remove all traces of detergent.

3. Gently wipe dry with a clean dry cloth

Never apply food oils, or petroleum lubricants directly to the gasket(s). Petroleum based solvents and lubricants will reduce the gasket's life.

# COOKING

## 1. INTRODUCTION

This cooking guide has been produced for your Cook & Hold Oven System. It should be used as a handy reference when using your oven. The guide has been developed to help answer questions which you may have relating to product preparation as well as making you familiar with the operation of your

When using your oven, experiment with your own house specialties. The degree of doneness varies based upon individual preferences. These preferences can be easily accomplished by varying the recommended time

guidelines in this manual. The guidelines which are presented in this manual are suggested and have been tested to insure product preparation as indicated.

The concept of “Low Temperature Cooking” is not a science, it is an art. Chefs from around the world vary in terms of the doneness and appearance in the products which they prefer. Therefore, we suggest first understanding what your Oven System will do for the multitude of applications available to you.

## 2. COOKING RACK

Depending upon the size of the Cook & Hold Oven, each unit is supplied with a specially designed cooking rack(s). The cooking rack must be used when cooking food products to insure absolute product quality and integrity.

The cooking rack is simply placed inside a standard 18” x 26” sheet tray (2/1 Gastronome) and the product which is to be cooked and held is placed on top of the cooking rack. When more than one product is being prepared, the food products should not be cramped together onto one cooking rack. Sufficient room should separate the products on a single cooking rack to insure proper circulation of air around the product. When loading the oven, an additional 18” x 26” sheet tray, in an inverted position, (Fig. 5) should be placed directly above the food product being prepared. This creates the necessary

air flow pattern to produce highly desirable caramelization and uniform roasting of the product.

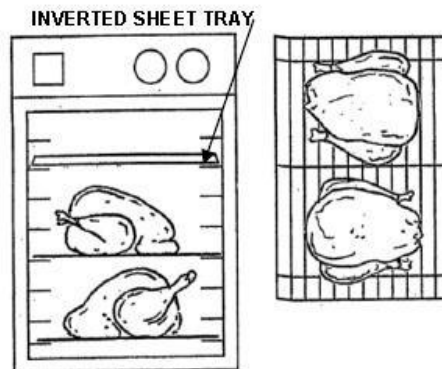


Fig. 5

A helpful hint when loading your food product on the cooking rack is to either line your 18” x 26” sheet tray with foil, or spray with a quality vegetable oil. This helps with easy clean up after cooking.

# COOKING AND HOLDING GUIDE

Please note that as products vary, as well as other elements such as altitude, so shall actual cooking times and temperatures. These should be adjusted as needed based upon your actual experience. Finished product temperatures should be verified manually, prior to serving, in order to insure food safety.

PRODUCT	(DETAILS) WEIGHT	COOK TIME	COOK TEMP.	HOLD TIME	HOLD TEMP.	MAX. INTERNAL TEMP.	LOADING GUIDELINES
Prime Rib	(USDA #109) 20 lbs.	5 hrs.	225° F	4 hrs. min.	140° F	135° F	2 per shelf
Boneless Rib eye	(USDA #112A) 12 lbs.	3 hrs	225° F	4 hrs. min.	140° F	135° F	3 per shelf
Top Round	(USDA #168) 18-20 lbs.	4½-5 hrs.	225° F	4 hrs. min.	140° F	130° F	2 per shelf
Steamship Round	(USDA #160) 60 lbs.	10 hrs.	225° F	4 hrs. min.	140° F	130° F	1 per shelf
Bottom Round	(USDA #170) 20 lbs.	5 hrs.	225° F	8 hrs. min.	140° F	130° F	2 per shelf
Boneless Strip Loin	(USDA #180) 12 lbs.	3 hrs.	225° F	4 hrs. min.	140° F	130° F	3 per shelf
Whole Tenderloin	(USDA #190) 10 lbs.	2½ hrs.	225° F	2 hrs. min.	140° F	130° F	4 per shelf
Top Sirloin Butt	(USDA #184) 12-14 lbs.	3 hrs.	225° F	4 hrs. min.	140° F	135° F	3 per shelf
Beef Short Ribs	10 lbs.	4 hrs.	225° F	4 hrs. min.	155° F	165° F	1 per shelf
Cubed Steaks	10 lbs.	4 hrs.	225° F	3 hrs. min.	160° F	160° F	1 tray per shelf
Beef Back Ribs	30 lbs.	6 hrs.	225° F	4 hrs.	160° F	160° F	4 per shelf
Beef Stew	(Stew Meat) 10 lbs.	4 hrs.	225° F	6 hrs. min.	150° F	175° F	1 tray per shelf
Corned Beef	12 lbs.	4 hrs.	250° F	4 hrs. min.	150° F	165° F	2 per shelf
Frozen Burgers	7-8 lbs.	45 min.	225° F	4 hrs. max	150° F	165° F	24 per shelf
Fresh Ham	12 lbs.	6 hrs.	250° F	4 hrs.	160° F	165° F	2 per shelf
Cooked Cured Ham	12 lbs.	4 hrs.	250° F	4 hrs.	160° F	135° F	2 per shelf
Pork Back Ribs	(USDA #422) 10 lbs.	4 hrs.	250° F	3 hrs. max.	160° F	175° F	6 slabs per shelf
Pork Spare Ribs	30 lbs.	4 hrs.	250° F	4 hrs.	160° F	175° F	5 slabs per shelf
Fresh Sausages	10 lbs.	2 hrs.	225° F	5 hrs. max	160° F	175° F	10 lbs. per shelf
Pre-Cooked Sausage	10 lbs.	1½ hr.	250° F	5 hrs. max	160° F	160° F	10 lbs. per shelf
Roast Suckling Pig	30 lbs.	6 hrs.	250° F	3 hrs. min.	160° F	170° F	1 per shelf

PRODUCT	(DETAILS) WEIGHT	COOK TIME	COOK TEMP.	HOLD TIME	HOLD TEMP.	MAX. INTERNAL TEMP.	LOADING GUIDELINES
Chicken Pieces	10 lbs.	2½ hrs.	250° F	1 hr. max.	150° F	170° F	10 lbs. per shelf
Whole Chickens	20 lbs.	2½ hrs.	250° F	5 hrs. max	150° F	170° F	6 per shelf
Whole Turkeys	20 lbs.	4½ hrs.	250° F	5 hrs. max.	170° F	170° F	2 per shelf
Turkey Breast	10 lbs.	4 hrs.	250° F	1 hr.	160° F	160° F	3 per shelf
Rack of Lamb	18 lbs.	3½ hrs.	250° F	3 hrs. max	140° F	140° F	15 racks per shelf
Braised Lamb Shanks	10-12 lbs.	4 hrs.	250° F	4 hrs. min.	160° F	180° F	1 tray per shelf
Fish Filets	10 lbs.	40 min.	225° F	4 hrs. max	160° F	160° F	10 lbs. per shelf
Clear Soups	12" x 20" pans 3	hrs.	250° F	Overnight	160° F	175° F	1 pan per shelf
Rice	1 Quart Dry	2 hrs.	250° F	18 hrs. max	150° F	160° F	1 pan per shelf
Frozen Entrees	1 Quart Dry	3 hrs.	250° F	Overnight	160° F	165° F	2 pans per shelf

# REHERMALIZATION GUIDE

ENTRÉE	OVEN TEMP.	REHEAT TIME	HOLD TEMP.	MIN. HOLD TIME
Baked Rotini	225°F	60 min.	160°F	20 min.
Beef & Noodles	225°F	54 min.	160°F	20 min.
Breaded Chicken Pattie on Bun	225°F	60 min.	165°F	20 min.
Burrito	250°F	48 min.	160°F	20 min.
Cheesy Bread/Italian Dunker Sauce	200°F	54 min.	155°F	15 min.
Cheesy Chili	225°F	54 min.	160°F	15 min.
Chicken & Noodles	225°F	54 min.	160°F	20 min.
Chicken & Rice	225°F	54 min.	160°F	20 min.
Chicken Dippers	225°F	54 min.	160°F	20 min.
Chicken Fryz	225°F	48 min.	160°F	20 min.
Chicken Leg	225°F	60 min.	155°F	20 min.
Chicken Nuggets	225°F	60 min.	160°F	20 min.
Chik'n O's, Zesty	225°F	54 min.	160°F	20 min.
French Toast/Sausage Links	225°F	42 min.	160°F	15 min.
Grilled Cheese Sandwich	200°F	42 min.	155°F	15 min.
Grilled Chicken on Bun	225°F	60 min.	165°F	20 min.
Ham & Cheese English Muffin	200°F	54 min.	160°F	20 min.
Hamburger on Bun	250°F	60 min.	165°F	20 min.
Hot Dog on Bun	225°F	54 min.	160°F	20 min.
Italian Spaghetti	250°F	54 min.	160°F	20 min.
Macaroni & Cheese	225°F	48 min.	155°F	20 min.
Mexican Cheese Sauce	200°F	42 min.	155°F	20 min.
Mini Corndogs	225°F	54 min.	160°F	15 min.
Pancakes/Sausage Links	225°F	42 min.	160°F	15 min.
Pizza Dippers	225°F	54 min.	160°F	20 min.
Pizza, Cheese	200°F	42 min.	160°F	20 min.
Pizza, Pepperoni	200°F	54 min.	160°F	20 min.
Pizza, Sausage	200°F	54 min.	160°F	20 min.
Ravioli	250°F	60 min.	165°F	20 min.
Sausage Mini Bites	225°F	54 min.	160°F	15 min.
Steak Nuggets	225°F	60 min.	160°F	20 min.
Taco Boat	225°F	42 min.	160°F	20 min.
Tacos	225°F	42 min.	160°F	20 min.
Turkey & Noodles	225°F	54 min.	160°F	20 min.
Turkey Manhattan	225°F	54 min.	165°F	20 min.

# GRAMS-LBS./OZ. CONVERSIONS

GRAMS - LBS/OZ CONVERSIONS									
g. lbs. + oz.		g. lbs. + oz.		g. lbs. + oz.		g. lb. + oz.		g. lbs. + oz.	
25	0.9	1025	2 4.2	2025	4 7.4	3025	6 10.7	4025	8 14.0
50	1.8	1050	2 5.0	2050	4 8.3	3050	6 11.6	4050	8 14.9
075	2.7	1075	2 5.9	2075	4 9.2	3075	6 12.5	4075	8 15.7
100	3.5	1100	2 6.9	2100	4 10.1	3100	6 13.3	4100	9 0.6
125	4.4	1125	2 7.7	2125	4 11.0	3125	6 14.2	4125	9 1.5
150	5.3	1150	2 8.6	2150	4 11.8	3150	6 15.1	4150	9 2.4
175	6.2	1175	2 9.4	2175	4 12.7	3175	7 0	4175	9 3.3
200	7.1	1200	2 10.3	2200	4 13.6	3200	7 0.9	4200	9 4.2
225	7.9	1225	2 11.2	2225	4 14.5	3225	7 1.8	4225	9 5.0
250	8.8	1250	2 12.1	2250	4 15.4	3250	7 2.6	4250	9 5.9
275	9.7	1275	2 13.0	2275	5 0.2	3275	7 3.5	4275	9 6.8
300	10.6	1300	2 13.9	2300	5 1.1	3300	7 4.4	4300	9 7.7
325	11.5	1325	2 14.7	2325	5 2.0	3325	7 5.3	4325	9 8.6
350	12.3	1350	2 15.6	2350	5 2.9	3350	7 6.2	4350	9 9.4
375	13.2	1375	3 0.5	2375	5 3.8	3375	7 7.0	4375	9 10.3
400	14.1	1400	3 1.4	2400	5 4.7	3400	7 7.9	4400	9 11.2
425	15.0	1425	3 2.3	2425	5 5.5	3425	7 8.8	4425	9 12.1
450	15.9	1450	3 3.1	2450	5 6.4	3450	7 9.7	4450	9 13.0
475	1 0.8	1475	3 4.0	2475	5 7.3	3475	7 10.6	4475	9 13.9
500	1 1.6	1500	3 4.9	2500	5 8.2	3500	7 11.5	* 4500	9 14.7
525	1 2.5	1525	3 5.8	2525	5 9.1	3525	7 12.3	4525	9 15.6
550	1 3.4	1550	3 6.7	2550	5 10.0	3550	7 13.2	4550	10 0.5
575	1 4.3	1575	3 7.6	2575	5 10.8	3575	7 14.1	4575	10 1.4
600	1 5.2	1600	3 8.4	2600	5 11.7	3600	7 15.0	4600	10 2.3
650	1 6.9	1650	3 10.2	2650	5 13.5	3650	8 0.8	4650	10 4.0
675	1 7.8	1675	3 11.1	2675	5 14.4	3675	8 1.6	4675	10 4.9
700	1 8.7	1700	3 12.0	2700	5 15.2	3700	8 2.5	4700	10 5.8
725	1 9.6	1725	3 12.8	2725	6 0.1	3725	8 3.4	4725	10 6.7
750	1 10.5	1750	3 13.7	2750	6 1.0	3750	8 4.3	4750	10 7.6
775	1 11.3	1775	3 14.6	2775	6 1.9	3775	8 5.2	4775	10 8.4
800	1 12.2	1800	3 15.5	2800	6 2.8	3800	8 6.0	4800	10 9.3
825	1 13.1	1825	4 0.4	2825	6 3.6	3825	8 6.9	4825	10 10.2
850	1 14.0	1850	4 1.3	2850	6 4.5	3850	8 7.8	4850	10 11.1
875	1 14.9	1875	4 2.1	2875	6 5.4	3875	8 8.7	4875	10 12.0
900	1 15.7	1900	4 3.0	2900	6 6.3	3900	8 9.6	4900	10 12.8
925	2 0.6	1925	4 3.9	2925	6 7.2	3925	8 10.5	4925	10 13.7
950	2 1.5	1950	4 4.8	2950	6 8.1	3950	8 11.3	4950	10 14.6
975	2 2.4	1975	4 5.7	2975	6 8.9	3975	8 12.2	4975	10 15.5
1000	2 3.3	2000	4 6.5	3000	6 9.8	4000	8 13.1	5000	11 0.4

—1,000 Grams = 1 Kilogram  
 —1 Kilogram = 2.2 Lbs  
 —To Convert Kilograms To Lbs.....

Formula: 2.2 Lbs  
 X Kilograms  
 = U.S. Pounds

\* Example From Above: 4.5 Kilograms = 9.9 Lbs  
 Count Three Decimal Points

# TEMPERATURES CONVERSIONS

TEMPERATURES															
Degrees Fahrenheit to Degrees Centigrade								Degrees Centigrade to Degrees Fahrenheit							
F	C	F	C	F	C	F	C	C	F	C	F	C	F		
-40	-40.00	+30	-1.11	+80	+26.67	+250	+121.11	-40	-40.0	+5	+41.0	+40	+104.0	+175	+347
-38	-38.89	31	-0.56	81	27.22	255	123.89	-38	-36.4	6	42.8	41	105.8	180	356
-36	-37.78	32	-0.00	82	27.78	260	126.67	-36	-32.8	7	44.6	42	107.6	185	365
-34	-36.67	33	+0.56	83	28.33	265	129.44	-34	-29.2	8	46.4	43	109.4	190	374
-32	-35.56	34	1.11	84	28.89	270	132.22	-32	-25.6	9	48.2	44	111.2	195	383
-30	-34.44	35	1.67	85	29.44	275	135.00	-30	-22.0	10	50.0	45	113.0	200	392
-28	-33.33	36	2.22	86	30.00	280	137.78	-28	-18.4	11	51.8	46	114.8	205	401
-26	-32.22	37	2.78	87	30.56	285	140.55	-26	-14.8	12	53.6	47	116.6	210	410
-24	-31.11	38	3.33	88	31.11	290	143.33	-24	-11.2	13	55.4	48	118.4	215	419
-22	-30.00	39	3.89	89	31.67	295	146.11	-22	-7.6	14	57.2	49	120.2	220	428
-20	-28.89	40	4.44	90	32.22	300	148.89	-20	-4.0	15	59.0	50	122.0	225	437
-18	-27.78	41	5.00	91	32.78	305	151.67	-19	-2.2	16	60.8	55	131.0	230	446
-16	-26.67	42	5.56	92	33.33	310	154.44	-18	-0.4	17	62.6	60	140.0	235	455
-14	-25.56	43	6.11	93	33.89	315	157.22	-17	+1.4	18	64.4	65	149.0	240	464
-12	-24.44	44	6.67	94	34.44	320	160.00	-16	3.2	19	66.2	70	158.0	245	473
-10	-23.33	45	7.22	95	35.00	325	162.78	-15	5.0	20	68.0	75	167.0	250	482
-8	-22.22	46	7.78	96	35.56	330	165.56	-14	6.8	21	69.8	80	176.0	255	491
-6	-21.11	47	8.33	97	36.11	335	168.33	-13	8.6	22	71.6	85	185.0	260	500
-4	-20.00	48	8.89	98	36.67	340	171.11	-12	10.4	23	73.4	90	194.0	265	509
-2	-18.89	49	9.44	99	37.22	345	173.89	-11	12.2	24	75.2	95	203.0	270	518
0	-17.78	50	10.00	100	37.78	350	176.67	-10	14.0	25	77.0	100	212.0	275	527
+1	-17.22	51	10.56	105	40.55	355	179.44	-9	15.8	26	78.8	105	221.0	280	536
2	-16.67	52	11.11	110	43.33	360	182.22	-8	17.6	27	80.6	110	230.0	285	545
3	-16.11	53	11.67	115	46.11	365	185.00	-7	19.4	28	82.4	115	239.0	290	554
4	-15.56	54	12.22	120	48.89	370	187.78	-6	21.2	29	84.2	120	248.0	295	563
5	-15.00	55	12.78	125	51.67	375	190.55	-5	23.0	30	86.0	125	257.0	300	572
6	-14.44	56	13.33	130	54.44	380	193.33	-4	24.8	31	87.8	130	266.0	305	581
7	-13.89	57	13.89	135	57.22	385	196.11	-3	26.6	32	89.6	135	275.0	310	590
8	-13.33	58	14.44	140	60.00	390	198.89	-2	28.4	33	91.4	140	284.0	315	599
9	-12.78	59	15.00	145	62.78	395	201.67	-1	30.2	34	93.2	145	293.0	320	608
10	-12.22	60	15.56	150	65.56	400	204.44	0	32.2	35	95.0	150	302.0	325	617
11	-11.67	61	16.11	155	68.33	405	207.22	+1	33.8	36	96.8	155	311.0	330	626
12	-11.11	62	16.67	160	71.11	410	210.00	2	35.6	37	98.6	160	320.0	335	635
13	-10.56	63	17.22	165	73.89	415	212.78	3	37.4	38	100.4	165	329.0	340	644
14	-10.00	64	17.78	170	76.67	420	215.56	4	39.2	39	102.2	170	338.0	345	653
15	-9.44	65	18.33	175	79.44	425	218.33								
16	-8.89	66	18.89	180	82.22	430	221.11								
17	-8.33	67	19.44	185	85.00	435	223.89								
18	-7.78	68	20.00	190	87.78	440	226.67								
19	-7.22	69	20.56	195	90.55	445	229.44								
20	-6.67	70	21.11	200	93.33	450	232.22								
21	-6.11	71	21.67	205	96.11	455	235.00								
22	-5.56	72	22.22	210	98.89	460	237.78								
23	-5.00	73	22.78	215	101.67	465	240.55								
24	-4.44	74	23.33	220	104.44	470	243.33								
25	-3.89	75	23.89	225	107.22	475	246.11								
26	-3.33	76	24.44	230	110.00	480	248.89								
27	-2.78	77	25.00	235	112.78	485	251.67								
28	-2.22	78	25.56	240	115.56	490	254.44								
29	-1.67	79	26.11	245	118.33	495	257.22								



# LOCKOUT/TAGOUT PROCEDURE

## **WARNING**

**Always perform the Lockout / Tagout Procedure before removing any sheet metal panels or attempting to service this equipment.**

The Lockout /Tagout Procedure is used to protect personnel working on an electrical appliance. Before performing any type of maintenance or service on an electrically operated appliance, follow these steps:

1. In electrical box, place unit's circuit breaker into OFF position.
2. Place a lock or other device on electrical box cover to prevent someone from placing circuit breaker ON.
3. Place a tag on electrical box cover to indicate that unit has been disconnected for service and power should not be restored until tag is removed by maintenance personnel.
4. Disconnect unit power cord from electrical outlet.
5. Place a tag on cord to indicate that unit has been disconnected for service and power should not be restored until tag is removed by maintenance personnel.

# TROUBLESHOOTING

SYMPTOMS	POSSIBLE CAUSES	REMEDY
Oven not operating	Oven not connected to power source	Connect oven to power source
	ON/OFF switch not ON	Press Power ON/OFF switch to ON
	No power	Check circuit breaker
Indicator Lights are lit but Cooling Fan(s) are NOT operating	Oven is below 150° F	This is normal when unit is cold. If unit is above 150° F., Contact Authorized Service Provider.
	Defective: connection, wiring, fan, thermostat	Contact Authorized Service Provider.
Oven compartment IS heating and Blower Motor IS NOT operating with	Defective connection or wiring to motor	Contact Authorized Service Provider.
Oven compartment IS NOT heating and Blower Motor IS operating with Power Switch ON	Defective Cooking Temperature Thermostat	Set Cooking Thermostat to 250° F., wait several minutes and check the rear of the oven for heating. Both the Power Switch and Cooking Temperature Indicator Lights will be lit. If oven cavity does not heat, Contact Authorized Service Provider.
	Defective Holding Temperature Thermostat	Turn Holding Temperature knob to 250° F. and check for heat at rear of oven cavity. Both the Power Switch and Cooking Temperature Indicator Lights will be lit. If the oven cavity does not heat, Contact Authorized Service Provider.
	Defective High-Limit Thermostat or Heating Element.	Contact Authorized Service Provider.
Incorrect oven temperature	Thermostat(s) require calibration	Contact Authorized Service Provider.