



operator manual

Countertop Conveyor Oven Series 1300

This document includes:

- Safety Notices
- Specifications
- Installation Instructions
- Operating Instructions
- Cleaning Instructions
- Warranty Statement

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Revision: D



Lincoln Foodservice Products, LLC
1111 North Hadley Road
Fort Wayne, Indiana 46804
United States of America
Technical Support Hotline: (800) 678-9511
Telephone: (260) 459-8200
www.lincolnfp.com

IMPORTANT WARNING AND SAFETY INFORMATION



NOTE:

This manual contains important safety and installation-operation instructions. Require all operators to read this manual thoroughly before installing, operating or servicing this equipment. Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death.



DANGER:

Do not work around conveyor belt with long hair, loose clothing, or dangling jewelry. Getting caught in the belt could result in serious injury.



DANGER:

For your safety, do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.



DANGER:

Do not spray aerosols in the vicinity of this appliance while it is in operation.



DANGER:

If the power supply cord appears to be damaged, do not attempt to operate the unit. Contact a service agent or qualified electrician to repair!



DANGER:

Do not use parchment paper when placing food product through the appliance! Use of such materials may cause a fire and should never be placed in the appliance.

- Minimum clearances must be maintained from all walls and combustible materials.
- Keep the oven area free and clear of combustible material.
- Adequate clearance for air openings to the control chamber on both sides of the oven is required.
- Do not obstruct the ventilation holes in the control boxes and covers as these provide cooling air for the controls.
- The oven is to be operated only on the type of electricity as shown on the specification plate.
- This manual should be retained for future reference.
- The electrical wiring diagram is located under the control box covers.

PURCHASER'S RESPONSIBILITY

It is the responsibility of the purchaser to:

1. See that the electric services for the oven are installed on site in accordance with the manufacturers specifications.
2. Unload, uncrate, and install the oven in its proper location in accordance with this operator manual.
3. See that the electric services are connected properly by a qualified installer of your choice. All such connections must be in accordance with applicable code requirements. See "Code References" section for more information.

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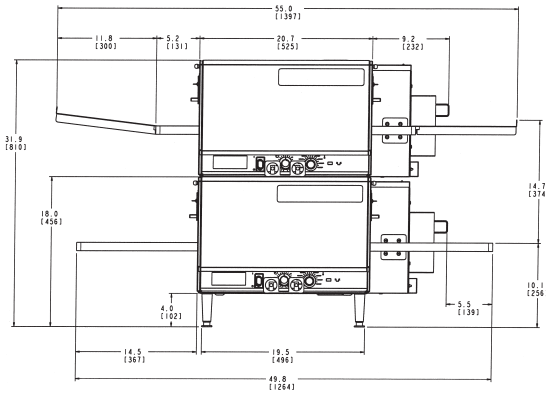
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UTILITY SPECIFICATION

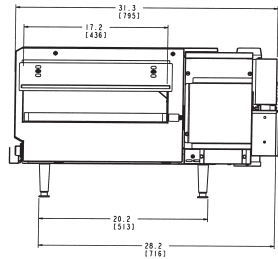
MODEL #	Input Rate	Voltage	Amps	Hz	Phase	# of wires
1300	6	200	28	50/60	1	3
1301	6	208	27	60	1	3
1302	6	240	24	60	1	3
1303	6	220	27	50	1	3
1304	6	240	24	50	1	3
1305	6	380/220	15	50	1	4
1306	6	415/240	14	50	1	4
1307	6	200	16	50/60	3	5
1308	6	380/220	9	50	3	5
1309	6	415/240	8	50	3	5
1310	6	220	27	60	1	3
1311	6	380/220	9	60	3	5
1312-xxx-E	6	400/230	9	50	3	5
1313-xxx-E	6	400/230	15	50	1	3

NOTE: Do not install this (these) oven(s) in any area with an ambient temperature in excess of 95° F, 35° C. Doing so will cause damage to unit.

EXTERIOR DIMENSIONS



Top oven shown with conveyor #1353
Bottom oven shown with extended conveyor #1346



ELECTRICAL GROUNDING INSTRUCTIONS



**WARNING
DOMESTIC:**

As it pertains to model units 1300, 1301, and 1302 only, this appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.



**WARNING
INT'L (CE):**

This appliance must be properly grounded at time of installation. Failure to ensure that this equipment is properly grounded can result in electrocution, dismemberment or fatal injury.



WARNING:

If the supply cord appears to be damaged, do not attempt to operate unit. Contact a service agent or qualified electrician to repair.

ELECTRICAL CODE REFERENCE

IN USA

When installed, this appliance must be electrically grounded and its installation must comply with the National Electric Code, ANSI-NFPA 70, latest version, the manufacturers installation instructions, and applicable municipal building codes.

IN CANADA

All electrical connections are to be made in accordance with CSA C22.1 - Canadian Electrical Code Part 1 and/or local codes.

ALL OTHER COUNTRIES

Local electrical codes will prevail.

1. Strain Relief is provided with each oven. International Dealer/Distributors provide applicable power cord/plug for each customer.
2. All pole disconnection switch 3mm open contact distance.
3. To prevent electrical shock, an equal potential bonding ground lug is provided in the back. This allows the oven to be connected to an external bonding system.
4. If used as double stack and each oven has its own disconnection switch, all switches should be close together.

SPACING

The oven must have 6 inches (152mm) of clearance from combustible surfaces. In case other equipment is located on the right side of oven, a minimum clearance of 24 inches (609mm) is required from that equipment.

FOR ALL OVENS: A 24-inch (609mm) clearance at the rear of the oven must be obtainable for service access.

VENTILATION

Local codes prevail. These are the "authority having jurisdiction" as stated by the NATIONAL FIRE PROTECTION ASSOCIATION, INC. in NFPA 96, latest edition.

GENERAL INFORMATION

The instructions that follow are intended as a guide for preparing for the installation of the Impinger Conveyor oven.

First and foremost, each crate should be examined before signing the Bill of Lading to report any visible damage caused by the trucker in transit and account for the number of crates.

IF THERE IS APPARENT DAMAGE: United States and Canada - arrangements should be made to file a claim against the carrier. As Interstate Commerce Regulations require that the claim must be initiated by the consignee. All shipments to other countries - freight terms will be developed and extended on an individual basis.

Proper and secure storage facilities should be arranged for the oven(s) if necessary to protect it from outdoor or damp conditions at all times before installation.

UNCRATING

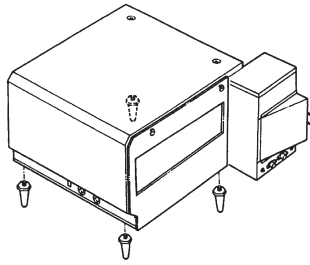
When you have all the crates unloaded, open the crates and remove the plastic covers. Inspect at once for concealed damage. If anything appears to be damaged, contact the appropriate persons immediately to file a damage claim. After completing this inspection, finish unpacking the oven and all other components. Move the components inside near the area where they will be assembled in the order in which they will be assembled.

NOTE: Do not lift excessive weight.

ASSEMBLY INSTRUCTIONS

INSTALL LEGS AS SHOWN

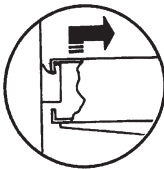
 **CAUTION:** 
Legs **MUST** be installed to insure proper operation!



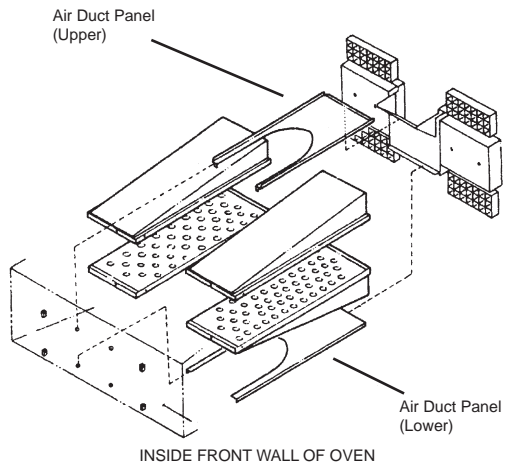
CAUTION: Oven must be operated on an approved basis only. When utilizing a double-stack configuration of ovens, the bottom unit must always be mounted on the legs provided.



CAUTION: Before applying power to the oven, check to insure that the finger assemblies and air duct panels (upper and lower) are properly seated and have not become dislodged during shipment.

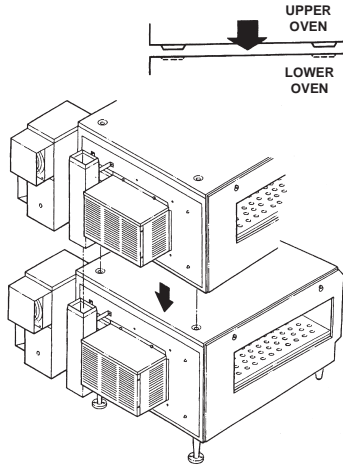
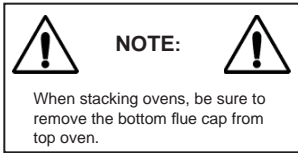


FRONT OF
FINGER ASSEMBLY
PROPERLY INSTALLED



STACKING INSTRUCTIONS

FOR SINGLE AND DOUBLE STACK UNITS



NOTE: When utilizing a double-stack configuration, stack the ovens so that the small "foot" on the top oven fits into the "indentation" on the top of the bottom oven.

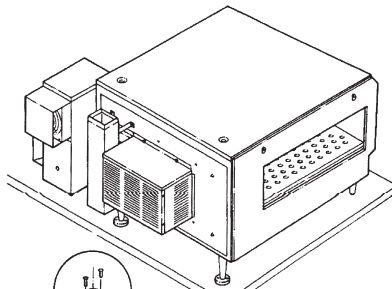


CAUTION: If you utilize a double-stack configuration, please note that each oven has its own disconnect switch. Make sure that all switches are in the "OFF" position before beginning maintenance or cleaning.

COUNTERTOP MOUNTING INSTRUCTIONS

Position the oven on the countertop and carefully mark the position of the rear legs. Remove the oven from the countertop and position the mounting rings so that the large (center) hole is where the legs of the oven were marked. Mark the position of the two small holes and remove the mounting rings.

When installing on a heavy stainless steel or wood countertop, use the four 3/16" x 9/32" drive rivets. Use a .218" diameter drill (7/32") and drill at least 1/2" into a wood countertop or all the way through a steel countertop so that the rear legs are in the large holes in the mounting ring.



Position washers to rear legs, anchor them to countertop using screws provided.

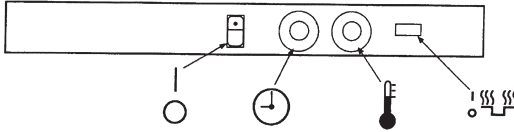
START-UP

1. Push switch to "ON." The electric oven should come on immediately.
2. Turn oven dial to desired temperature.
3. Preheat oven for 30 minutes.
4. To set belt speed, adjust oven time dial to reach desired time.

SHUTDOWN

1. Push switch to "OFF."

NOTE: Ovens prior to serial number 3018980, fan continues to operate for approximately 20 minutes. Turning on and off fan switch will reset the timer for an additional 20 minutes.



CLEANING INSTRUCTIONS / OPERATOR MAINTENANCE



WARNING:

Disconnect power supply before servicing or cleaning this oven. Safeguard power so it cannot be accidentally restored. Failure to do so could result in dismemberment, electrocution, or fatal injury.

The Lincoln Impinger Countertop Oven contains electrical components. Before cleaning the oven, switch off and disconnect the oven from the electrical supply.

No electrical components should be subjected to moisture. Therefore, it is important that the oven is wiped down carefully. NEVER throw buckets of water over the oven or subject it to pressure washing from a hose or a pressure spray. If water or other liquid is spilled on the oven, make sure that none has entered the control box area before switching on. If in doubt, call your service company.

To achieve the maximum efficiency of the oven, it is necessary to keep it clean. The frequency listed is only the factory's recommendation. Your use and type of products will actually determine the frequency of cleaning.



CAUTION:

Oven must be cool. Do not use power-cleaning equipment, steel wool, or wire brushes on stainless steel surfaces.

DAILY CLEANING

1. Clean exterior surfaces of the oven by wiping it down with a mild detergent and clean water, or a commercial stainless steel cleaner.
2. Clean the interior by sweeping up all loose particles then wash with a mild detergent solution and rinse with clean water.
3. Clean the conveyor belt by wiping with a cleaning cloth or brushing with a soft wire brush. Lincoln catalog #369217.

NOTE: Do not use a caustic or alkaline base cleaner on interior of oven. This will ruin the aluminized finish of the oven interior. On exterior of oven, removal of deposits of baked-on splatter, oil, grease, or light discolorations may be removed with any of several commercial cleaners. Consult with your local supplier.



CAUTION:

When using cleaning solutions, be sure they meet local and national health standards.

WEEKLY CLEANING

1. Remove fingers, disassemble and clean. See "Finger Removal" section for more information.
2. Remove conveyor, disassemble and clean. See "Conveyor Removal" section for more information.

PREVENTIVE MAINTENANCE

Although this oven has been designed to be as trouble free as possible, periodic preventive maintenance is essential to maintain peak performance. It is necessary to keep the motors, fans, and electronics free of dirt, dust, and debris to insure proper cooling. Overheating is detrimental to the life of all components mentioned.

The periodic intervals for preventive cleaning may vary greatly depending upon the environment in which the oven is operating.

You must discuss the need for preventive maintenance with your Authorized Service Agent to establish a proper program.

If there are any questions that the service agent cannot answer, please contact the Lincoln Technical Service department at (800) 678-9511.

INFORMATION ON USE OF OVEN

The Impinger Countertop Oven functions by directing high velocity streams of heated air directly upon the food products. Because air is the heat source, it is effective even on sensitive foods. Compared to conventional ovens and even convection ovens, the cooking time of products in the Impinger Countertop Oven can be as much as two (2) to four (4) times faster. Several factors may affect the cooking time of any special products such as oven temperature setting and conveyor speed. We encourage you to experiment with the oven by trying different temperature settings and belt speeds.

HOW TO OBTAIN SERVICE

If the oven fails to operate, check the circuit breaker to be sure it is turned on. Also check the fuses on the back panel to be sure that they are good before you call the Authorized Service Agency. The name and phone number of the Authorized Service Agency should be located on the oven. You may also contact the factory at (800) 678-9511 for the name and number of the nearest Authorized Service Agency.

FUNCTIONS

HERMAL CUT-OUT SWITCH

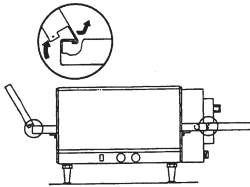
The Countertop unit includes a "safety thermal cut-out switch" for your protection. This safety related device is designed to insure that the Countertop unit will not overheat and damage the unit. In the unlikely event that the Countertop unit would exceed the specified operating temperature range, the "safety thermal cut-out switch" will activate, thus blocking power to the Countertop unit and causing it to turn off.



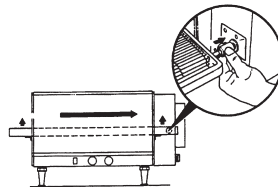
WARNING:

In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as a timer or connected to a circuit that is regularly switched on and off by the utility.

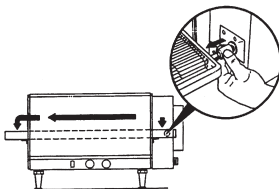
CONVEYOR REMOVAL & REINSTALLATION



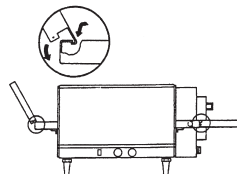
1. Remove extension shelves (if applicable).



2. Push coupling away from drive lugs.
3. Remove conveyor from oven cavity.



4. Reassemble in reverse order.



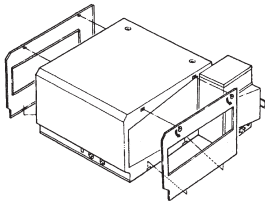
5. Install extension shelves (if applicable).



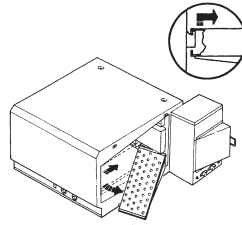
CAUTION: Conveyor and belt may be hot!

FINGERS - REMOVAL & DISASSEMBLY FOR CLEANING

DISASSEMBLY



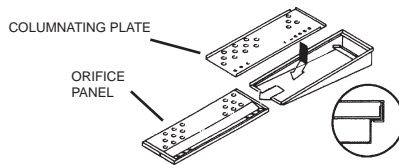
1. Release 1/4-turn fasteners (2 per panel) then pull back the panel. Lift panel off lower retaining tabs.



2. Lift finger assembly to clear hanger on front wall of oven. Then slide to the rear and swing out. Remove finger assembly from oven.

DISASSEMBLE FINGERS FOR CLEANING

3. Slide finger cover from housing. Lift out inner columnating plate.

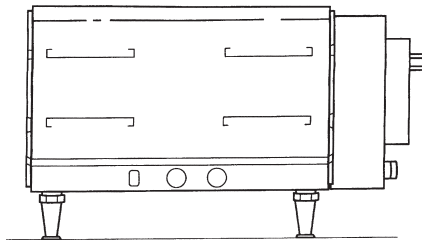


REASSEMBLY

4. Reassemble in reverse order. NOTE: Check to insure that the holes in the columnating plate are lined up with the holes in the orifice panel.
5. Reinstall fingers in the oven. Be sure that they are fully seated over the plenum flanges and the holes are pointing toward the conveyor.
6. Reinstall cover panels (see #1).

MODEL 1301 & 1302
SERIAL #3002168
AND ABOVE

ALL OTHER MODELS
SERIAL # 3001885
AND ABOVE



FINGER COVERS ARE MATCHED AND MAY BE INSTALLED IN ANY LOCATION.