



4200W Commercial High-Speed Oven



54 NJ
E214180



NSF/ANSI4
E214180

Model: 180G1RCOH

03/2024

Please read and keep these instructions. Indoor use only.

IMPORTANT SAFETY INSTRUCTIONS

WARNING

When using electrical equipment, basic safety precautions should be followed to reduce the risk of burns, electrical shock, fire, or injury to persons, including the following.

1. READ all instructions before using equipment.
2. READ AND FOLLOW the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY" on this page.
3. This equipment MUST BE GROUNDED. Connect only to properly GROUNDED outlet. See "GROUNDING / EARTHING INSTRUCTIONS".
4. Install or locate this equipment ONLY in accordance with the installation instructions in this manual.
5. Liquids or other foods must NOT be HEATED in sealed containers, since they are liable to explode.
6. Eggs in their shell and whole hard-boiled eggs should NOT be HEATED in microwave ovens, since they may explode even after microwave heating has ended.
7. Use this equipment ONLY for its intended use as described in this manual. Do not use corrosive chemicals or vapors in this equipment. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
8. This appliance is NOT intended for use by persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
9. Hot contents can cause severe burns. Do not allow children to use this product. Use caution when removing hot items.
10. Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.
11. DO NOT heat baby bottles in oven. Baby food jars shall be open when heated and contents stirred or shaken before consumption in order to avoid burns.
12. DO NOT operate this equipment if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
13. This equipment, including power cord, must be serviced ONLY by qualified service personnel. Special tools are required to service equipment. Contact nearest authorized service facility for examination, repair, or adjustment.
14. DO NOT cover or block louvers or other openings on equipment.
15. DO NOT store this equipment outdoors. DO NOT use this product near water – for example, near a kitchen sink, in a wet basement, a swimming pool, or a similar location.
16. DO NOT immerse cord or plug in water.
17. Keep cord AWAY from HEATED surfaces.
18. DO NOT let cord hang over edge of table or counter.
19. For commercial use only.

WARNING

This device complies with part 18 of the FCC Rules. FCC RF Exposure Requirements:

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

The antenna(s) used for this transmitter must not be colocated or operating in conjunction with any other antenna or transmitter and must be installed to provide a separation distance of at least 20 cm from all persons.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- A. **DO NOT** attempt to operate this oven with the door open since open door operation can result in harmful exposure to microwave energy. It is important not to damage or tamper with the safety interlocks.
- B. **DO NOT** place any object between the oven front face and the door to allow soil or cleaner residue to accumulate on sealing surfaces.
- C. **DO NOT** operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:
 1. door (bent)
 2. hinges and latches (broken or loosened)
 3. door seals and sealing surfaces.
- D. The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

SAVE THESE INSTRUCTIONS

WARNING

To avoid risk of fire in the oven cavity:

- a. DO NOT overcook food. Carefully attend oven when paper, plastic, or other combustible materials are placed inside the oven, due to the possibility of ignition.
- b. Remove wire twist-ties from paper or plastic bags before placing bag in oven.
- c. If materials inside the oven ignite, keep oven door CLOSED, turn oven off and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
- d. DO NOT use the cavity for storage. DO NOT leave paper products, cooking utensils, or food in the cavity when not in use.

WARNING

Liquids such as water, coffee, or tea are able to be overheated beyond the boiling point without appearing to be boiling due to surface tension of the liquid. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID. To reduce the risk of injury to persons:

- i. Do not overheat the liquid.
- ii. Stir the liquid both before and halfway through heating it.
- iii. Do not use straight-sided containers with narrow necks.
- iv. After heating, allow the container to stand in the microwave oven for a short time before removing the container.
- v. Use extreme care when inserting a spoon or other utensil into the container.

CAUTION

To avoid personal injury or property damage, observe the following:

1. Do not deep fat fry in oven. Fat could overheat and be hazardous to handle.
2. Do not cook or reheat eggs in shell or with an unbroken yolk using microwave energy. Pressure may build up and erupt. Pierce yolk with fork or knife before cooking.
3. Pierce skin of potatoes, tomatoes, and similar foods before cooking with microwave energy. When skin is pierced, steam escapes evenly.
4. Do not operate equipment without load or food in oven cavity.
5. Microwave popcorn should not be popped in oven.
6. Do not use regular cooking thermometers in oven. Most cooking thermometers contain mercury and may cause an electrical arc, malfunction, or damage to oven.
7. Do not use metal utensils in oven.
8. Do not use aluminum foil in oven
9. Never use paper, plastic, or other combustible materials that are not intended for cooking.
10. When cooking with paper, plastic, or other combustible materials, follow manufacturer's recommendations on product use.
11. Do not use paper towels which contain nylon or other synthetic fibers. Heated synthetics could melt and cause paper to ignite.
12. Do not heat sealed containers or plastic bags in oven. Food or liquid could expand quickly and cause container or bag to break. Pierce or open container or bag before heating.
13. To avoid pacemaker malfunction, consult physician or pacemaker manufacturer about effects of microwave energy on pacemaker.
14. An authorized servicer MUST inspect equipment annually. Record all inspections and repairs for future use.
15. Oversized food or oversized metal utensils should not be inserted in a microwave/toaster oven as they may create a fire or risk of electric shock.
16. Do not clean with metal scouring pads. Pieces can burn off the pad and touch electrical parts involving a risk of electric shock.
17. Do not use paper products when appliance is operated in the toaster mode.
18. Do not store any materials, other than manufacturer's recommended accessories, in this oven when not in use.
19. Do not cover racks or any other part of the oven with metal foil. This will cause overheating of the oven.

⚠ WARNING

When cleaning the surface of the door and the oven cavity entrance, use only mild, non-abrasive cleaner applied with a sponge or soft cloth.

GROUNDING INSTRUCTIONS

Grounding Instructions



Oven MUST be grounded. Grounding reduces risk of electric shock by providing an escape wire for the electric current if an electrical short occurs. This oven is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

Consult a qualified electrician or servicer if grounding instructions are not completely understood, or if doubt exists as to whether the oven is properly grounded.

Do not use an extension cord.

If the product power cord is too short, have a qualified electrician install a three-slot receptacle. This oven should be plugged into a separate circuit with the electrical rating as provided in product specifications. When the combination oven is on a circuit with other equipment, an increase in cooking times may be required and fuses can be blown.

WARNING - Electric Shock Hazard

Improper use of the grounding can result in electric shock. Do not plug into an outlet until appliance is properly installed and grounded.

1. As with any appliance, close supervision is necessary if the oven is being operated by children.
2. If the material within the oven ignites, the oven door should be kept closed, the appliance should be turned off, the power cord disconnected, and/or the power should be shut off at the fuse or circuit breaker panel.

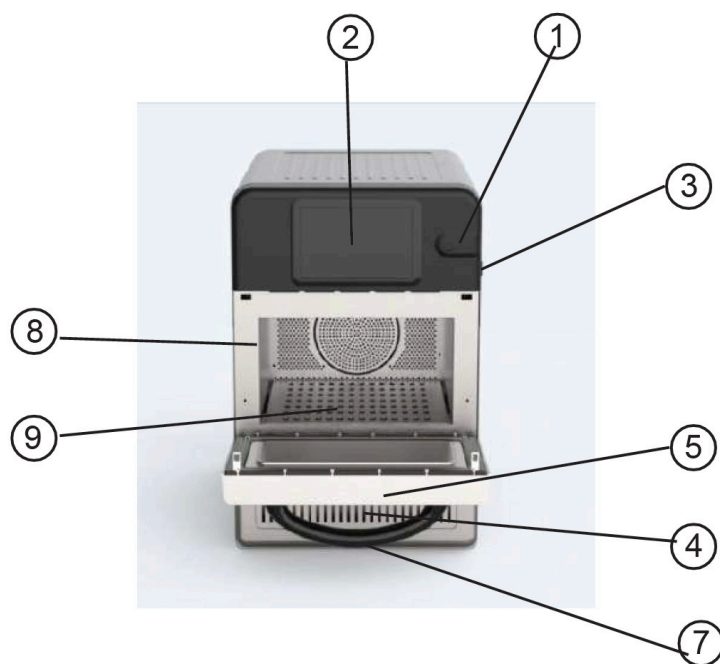
⚠ WARNING

To avoid risk of electrical shock or death, this oven must be grounded and plug must not be altered.

PRODUCT SPECIFICATIONS

180G1RCOH	
Dimensions (WDH)	15.82" x 28.93" x 23.93"
Voltage	208/240VAC
Amps	22A
Wattage Consumption	4200W
Wattage Output (Microwave)	2000W
Wattage Output (Convection)	3000W
Phase	1
Operational Clearances	2" Top x 12.2" Front x 0.78" Back & Sides
Max Temperature	527°F
Ventless	Yes
Plug Type	NEMA 6-30P

PARTS AND THEIR FUNCTION



ITEM	NAME	FUNCTION
1	ON/OFF appliance switch	Used to turn the Commercial High Speed Oven on and off. Turning this switch off does not isolate the appliance from the electricity supply.
2	8" TFT screen control panel	When the appliance is switched on, the 8" TFT screen illuminates the user interface.
3	USB port	A USB socket located on the side of the cover allows updates to programs stored on the appliance.
4	Air outlets	Air used to cool internal components and steam from the cavity escape through the air outlet vents located on the rear of the appliance. The air outlets must be kept free from obstruction, and they will not allow microwave energy to escape into the environment.
5	Appliance door	The door is a precision-made energy barrier with three microwave safety interlocks. Always keep it clean and do not use it to support heavy objects.
6	Air filter	The air filter situated at the lower front of the appliance is part of the ventilation system.
7	Door handle	The door handle is a rigid bar which is pulled downwards and away from the appliance to open it.
8	Cavity	The cavity (cooking chamber) is constructed from stainless steel and used for cooking products.
9	Lower jet plate	Used to distribute impinged air streams to the undercarriage of product being cooked.

MATERIAL

The interior and exterior structure of the appliance is made of stainless steel in brushed finish.

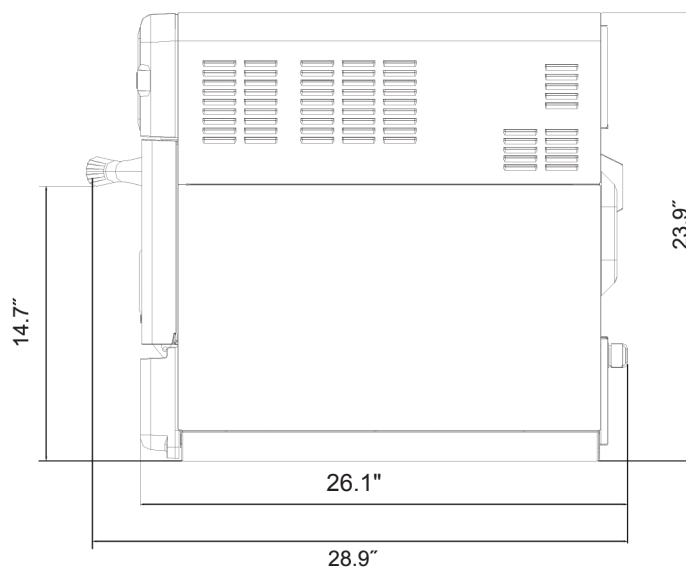
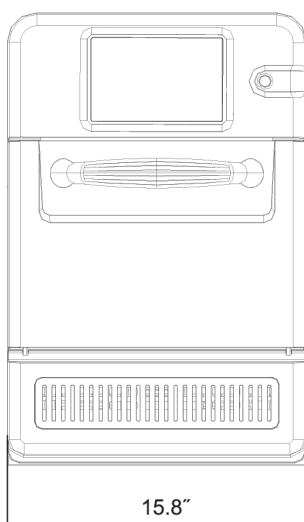
Dimensional drawings

180G1RCOH

Front view (door closed)

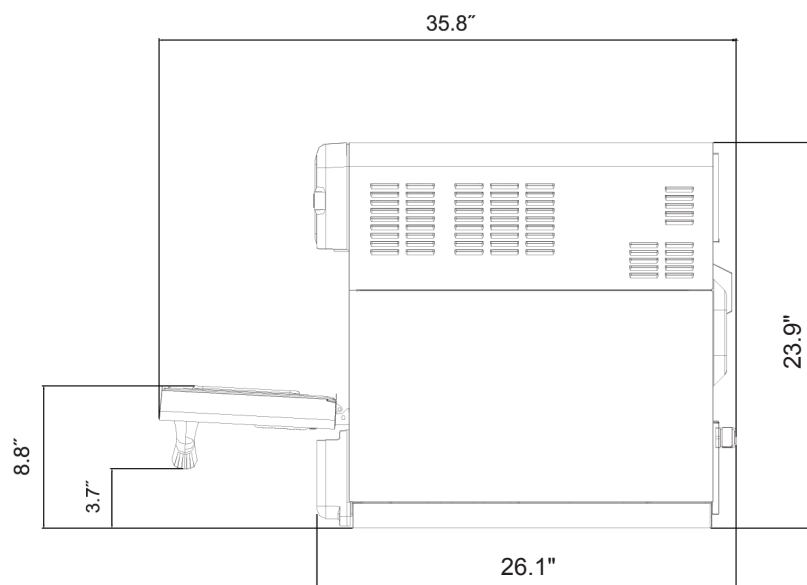
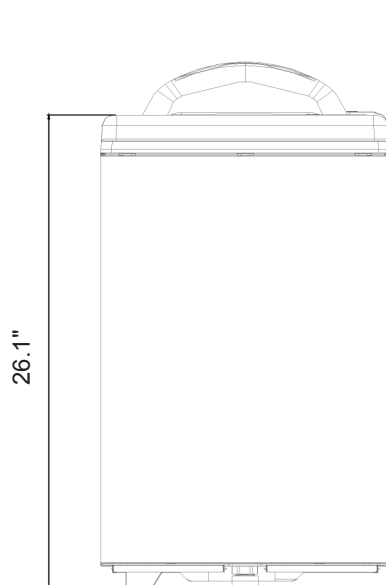
Cavity dimensions (door closed)

(unit: mm)



View from the top (door closed)

View from the right hand side (door open)



FOR YOUR SAFETY

Purpose of this Chapter

This chapter provides you with all the information you need in order to use the commercial high speed oven safely without putting yourself or other at risk.

This is a particularly important chapter that you must read through carefully.



Intended use of your Commercial High Speed Oven

Intended Use of your Commercial High Speed Oven

The commercial high speed oven must only be used for the purposes specified below:

- The commercial high speed oven is designed and built solely for cooking different foodstuffs in containers approved by the manufacturer. Microwave, convection, and impingement are used for this purpose.
- The commercial high speed Oven is intended solely for professional, commercial use.

Restrictions on Use

Some materials are not allowed to be heated in the commercial high speed oven:

- No dry powder or granulated material.
- No highly flammable objects with a flash point below 270°C / 518°F, such as highly flammable oils, fats, or cloths (kitchen cloths).
- No food in sealed tins or jars.

Requirements to be Met by Personnel

- The commercial high speed oven must only be operated and installed by personnel-specific requirements. Please refer to 'Requirements to be Met by Personnel', on the training and qualifications requirements.
- Personnel must be aware of the risks and regulations associated with handling heavy loads.

Requirements Relating to the Operating Condition of the Commercial High Speed Oven

- Do not operate the commercial high speed oven unless it has been properly transported, set up, installed, and placed into operation as indicated in this manual, and the person responsible for placing it into operation has confirmed this.
- Must only be operated when all safety devices and protective equipment are fitted, in working order, and fixed properly in place.
- The manufacturer's regulations for operation and servicing of the Commercial High Speed Oven must be observed.

Requirements Relating to the Operating Environment of the Commercial High Speed Oven

Specified operating environment:

- The ambient temperature lies between +4°C / 40°F and +35°C / 95°F.
- Not a toxic or potentially explosive atmosphere.
- Dry kitchen floor to reduce the risk of accidents.

Specified properties of the installation location:


- No fire alarm or sprinkler system directly above the appliance.
- No flammable materials, gases, or liquids above, on, under, or in the vicinity of the appliance.
- It must be possible to set up the Commercial High Speed Oven so that it cannot tip over or slide. The supporting surface must comply with these requirements.
- The appliance must not be operated outdoors and not be shifted or moved during use.

Cleaning Requirements

- Use only cleaning chemicals that have been approved by the manufacturer.
- High-pressure cleaners or water jets must not be used for cleaning.
- The appliance must not be treated with alkali or acid solutions or exposed to acid fumes.


Mandatory warning signs

The following Warning Signs / notices must be attached to the commercial high speed oven and optional accessories in the area indicated so as to be easily visible at all times.

Area	Warning sign	Description
1		Microwaves warning : There is a risk of external and internal burns of body parts following exposure to microwave energy.
2		Electric shock warning : There is a risk of electric shock if the appliance is serviced without disconnecting the electrical supply.
3		Fire / electric shock warning : There is a risk of fire / electric shock if the appliance is operated without respecting the minimum clearances.
4		Electric shock warning : There is a risk of electric shock if the electrical power is not connected to a properly grounded outlet.

Safety symbols

The following safety symbols must be attached to the Commercial High Speed Oven in the area to be easily visible at all times.

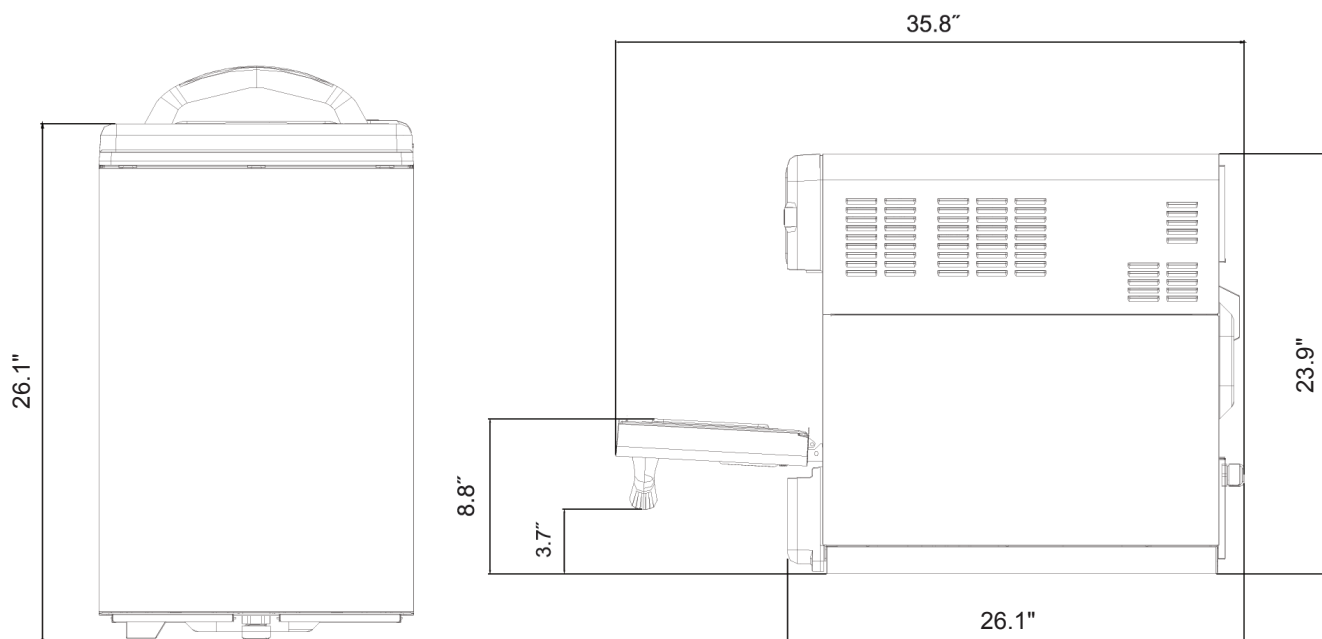
Area	Safety symbol	Description
5		Protective Earth (Ground)
Indicated as		

INSTALLATION

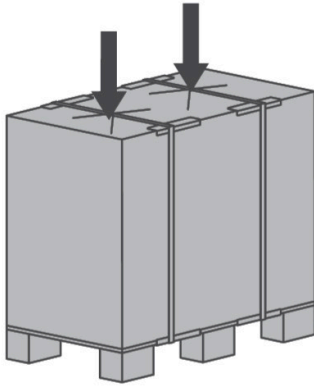
Minimum Space Required

The following diagram and table show the space required for the appliance for different installation and operating situations. They also show the minimum horizontal distances from adjacent walls and surfaces. The safety clearance on the top must always be complied with.

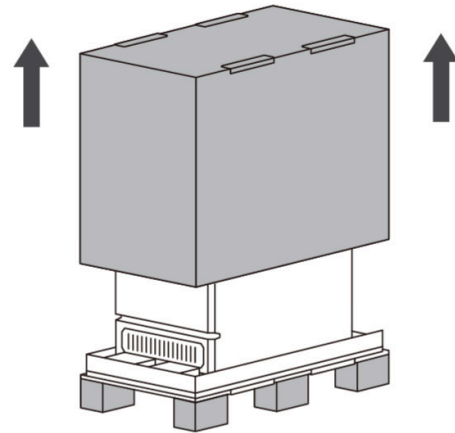
Meaning		Space required			
A	Safety clearance from the top	[in]	2	[mm]	50
B	Depth requirement, appliance door open at 90°	[in]	12.2	[mm]	310
	Safety clearance on left-/right-hand side / at rear	[in]	0.78	[mm]	20



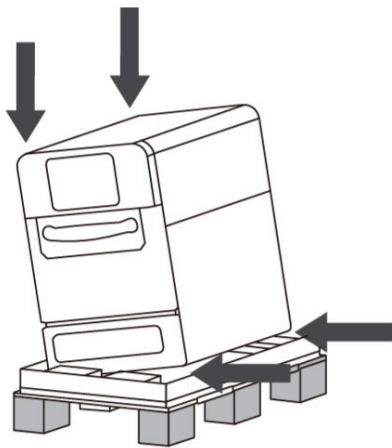
UNPACKING THE OVEN



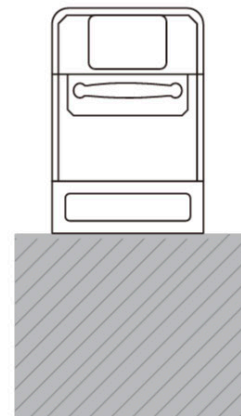
1. Cut the packing belt.



2. Take the upper carton up.



3. Press down on one side of the oven to raise the opposite side. Then, have two other people grab from the bottom and lift.



4. Lift the oven up and onto the counter-top it will be sitting on. Place down gently. Ensure the oven is stable before letting go. Then proceed to connecting to power supply.

Wrong operation warning: DO NOT pull the packing belt or stack during the packaging and transportation; DO NOT pull the power cord or lift the unit by the door handle when taking out the machine.

OPERATION INSTRUCTIONS

Preheating

1. Press the power button and the startup screen will display.
2. The preheat temperature can be customized. Either choose 300°F, 400°F, 500°F, or press "Another TEMP" to select custom preheat temperature. The temperature range is 200°F to 527°F.
3. If you want to cancel the preheating, click cancel. In the preheating state, if the designated preheating temperature is not reached, then the oven will not start until preheating is complete.
4. When the temperature value is clicked, the screen will show the preheating interface, which displays the preheating progress percentage. Once preheating is complete, put the food in the oven cavity, shut the door, and press start to begin cooking.

Automatic Recipe Operation

1. When you go to the recipe page, the menu can be categorized by kind of food or by temperature.
2. If looking to edit a recipe, click "Edit" and enter the password "flashtune." You will then be able to edit recipes by clicking on the "parameter" button as well as delete recipes by clicking on the "delete" option. In order to change the password, go to the "settings" option, click on "user setting," then "Manage PWD" and "change PWD." From there, you will be able to change the password to anything of your choosing.

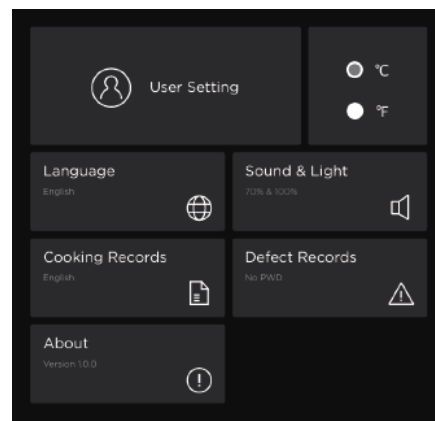


Chef Customization

1. Select Chef Cook "👨" and enter the password "flashtune," or whichever password selected if changed.
2. Click + and select image.
3. Type the name of the recipe after the picture. For example, Orleans Chick Wings.
4. Select temperature. For example, 420°F.
5. Fill in cooking parameters Time Cooking "🕒" / Wave Power "🌊" / Fan Power "🌀". For example: 03:00 / 70% / 70%.
6. Click "Save", to save menu selection.

User Settings

- In order to access the user setting, you must enter the password. The default password is "flashtune," but if you previously updated the password, the new password will apply. The user setting includes: Eco, Eco settings, preheat settings, USB, temp bands, day shift, manage permission, manage recipes, manage pwd, and date & time.

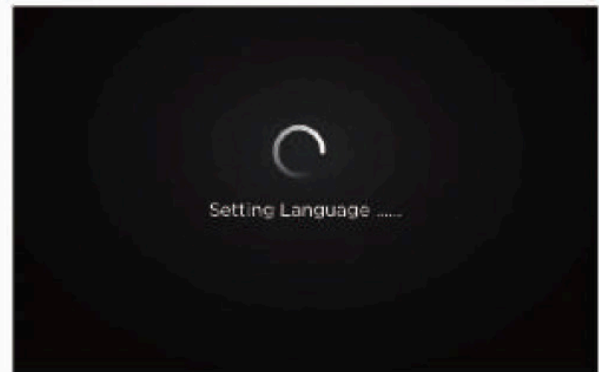


User Manual



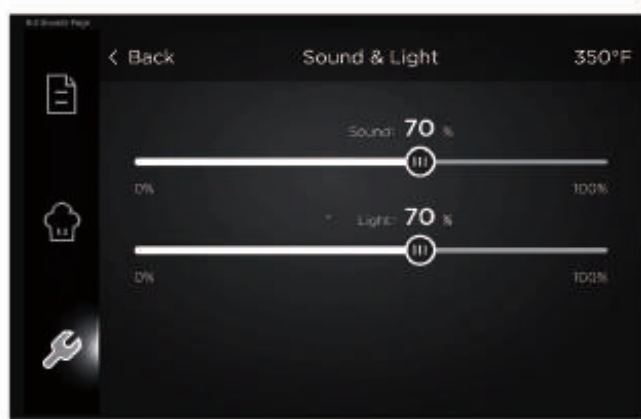
Language

Modify the system language.



Sound & Light

Drag the slider to modify the sound size and backlight brightness. The sound range is from 0-100%, and the backlight range is from 0-100%.



Cooking Records

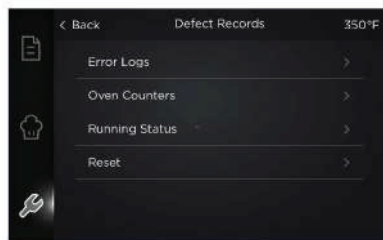
Record and view the number of times each recipe is used over time.



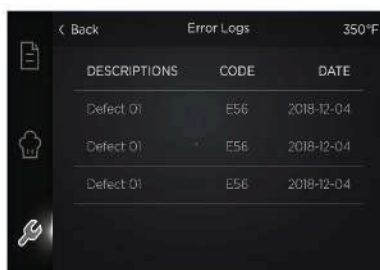
PIC	RECIPE	TIMES
	Recipe 01	43
	Recipe 02	62
	Recipe 03	34
	Recipe 04	56

Defect Records

Record and view the operation status and failure record of the oven. If reset is selected, all non-factory data will be lost.



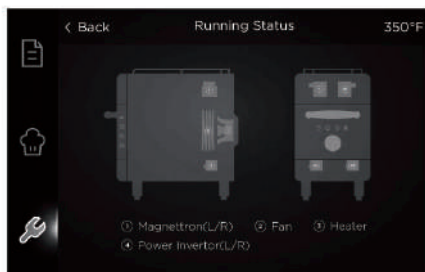
Error Logs	>
Oven Counters	>
Running Status	>
Reset	>



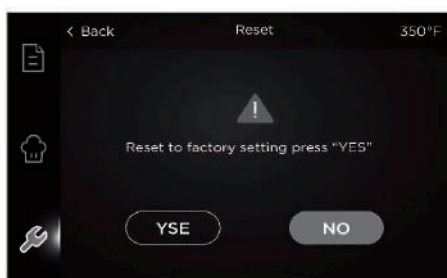
DESCRIPTIONS	CODE	DATE
Defect 01	E56	2018-12-04
Defect 01	E56	2018-12-04
Defect 01	E56	2018-12-04



Door Opening Cycles	2000
Oven On Time	10:52:13
Microwave On Time	05:13:33
Heater On Time	05:13:33



	Magnetron(L/R)	
	Power Inverter(L/R)	



Reset to factory setting press "YES"

YES NO

About

Electronic controller version, module serial number, software version, and memory usage.



Shutdown & Clean

1. Click on the shutdown and clean button and the shutdown & clean page will pop up. If the cavity temperature is higher than 140° F, then the door cooling page will pop up.
2. Drop it to below 140° F before cleaning.



CLEANING INSTRUCTIONS

Requirements for Cleaning the Appliance

- The appliance has been cooled down correctly.
- No food has been left in the cavity.
- All containers, ovenware, and any other accessories have been removed from the cavity.
- Power has been shut off to the devices.

Cleaning the Oven and Oven Parts

1.



Open the door once the oven has cooled.

2.



Take out the lower jet plate. Clean the bottom food debris.

3. Use recommended cleaner and damp cloth to clean the interior of the oven.

4. Clean all surfaces of the cavity **except the roof (jet plate) and door seal**.

NOTICE: Do not spray cleaner directly into the cavity.

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5. For difficult areas, use a non-abrasive nylon scrub pad/sponge to clean all surfaces of the cavity and the inside surface of the appliance door.

NOTICE: Do not scrub the roof (jet plate) or door seal or use metallic scourers.

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6. Wash off all surfaces using a wet, clean cloth. Dry using a fresh, clean cloth or paper towel. If required, the cavity roof and door seal can be wiped clean with a damp, clean cloth as well.

NOTICE: Do not scrub the roof (jet plate) or door seal or use metallic scourers.

7.



Replace the cleaned cookplate/wire rack. Double check that all components are dry before re-fitting them. Close the appliance door. Wipe the outside of the appliance with a damp cloth.

NOTE: Do not use the appliance without a clean airfilter in place.

8.



Close the appliance door.

RECOMMENDED CLEANING AGENTS



NOBLE
CHEMICAL INC.

#999SUNBRIGHT
Sunbright
Lemon Dish Soap



NOBLE
CHEMICAL INC.

#999KNOCKOUT
Knockout
Heavy-Duty Oven
& Grill Degreaser &
Carbon Remover



NOBLE
CHEMICAL INC.

#147BLASTQT
Blast
Liquid Oven & Grill
Cleaner