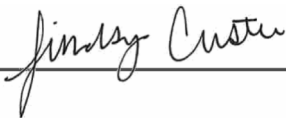


|          |                          |                                                    |  |
|----------|--------------------------|----------------------------------------------------|--|
|          | APPROVED                 | REJECTED/RESUBMIT AS SPECIFIED                     |  |
| <b>X</b> | APPROVED AS NOTED        | NO ACTION REQUIRED                                 |  |
|          | REVISE AS NOTED/RESUBMIT | SUBMITTAL NOT REQUIRED/<br>RETURNED WITHOUT REVIEW |  |

Approval is only for general conformance with the Project's design concept and the information given in the Contract Documents. Contractor is responsible for dimensions to be confirmed and correlated at the job site; information that pertains solely to the fabrication process or to the means and methods of construction; coordination of the work of all trades; and performing work in a safe and satisfactory manner. This approval does not modify Contractor's duty to comply with the Contract Documents.

By:  Date: 02/03/26 

Merchandise fridge, provide **white** color

Provide **(4)** 48" Steel wall mounted shelving per construction drawings

Provide **(2)** 72" Steel wall mounted shelving per construction drawings

Provide **96"** open base steel work table per construction drawings

## COLDIN-3™ MSF-AN SERIES

### Flat Lid Display Freezers

#### MODELS

- ☐ MSF-31AN
- ☐ MSF-43AN
- ☐ MSF-52AN
- ☐ MSF-71AN



MSF-43AN



#### FEATURES

##### CONSTRUCTION

- Standard interior LED lighting with separate on/off switch
- Tempered glass sliding lids
- White zinc-coated baked-on enamel steel exterior
- Painted white powder-coated steel interior
- Flat top three-compartment baskets
- Removable rubber bumper guards on grille side
- Heavy-duty casters, two locking
- Bottom drain with plug
- Lid lock and keys
- The unobtrusive frame around the glass lids ensures a highly visible display
- External analog thermometer display
- Control panel with adjustable temperature range of +10 to -18°F
- Low energy consumption

##### REFRIGERATION

- Refrigerant: R290
- Temperature range: -18° to 10°F (-27° to -12°C)

##### WARRANTY

- Standard one year parts and labor

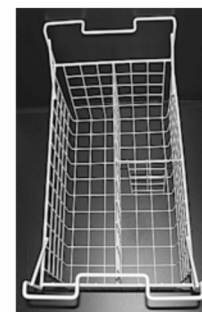
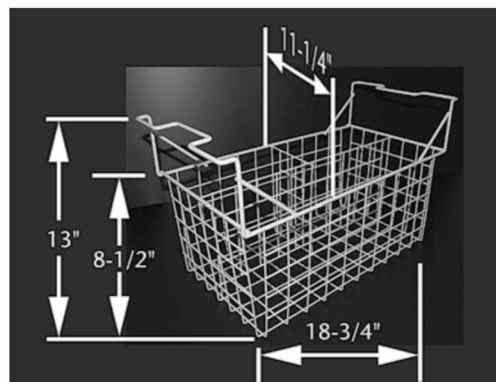
#### OPTIONS

- ☐ Replacement baskets

#### STANDARD BASKETS

MSF-AN model merchandisers are supplied with equally-sized baskets and two fixed dividers per basket.

| MODEL    | NO. OF BASKETS |
|----------|----------------|
| MSF-31AN | 2              |
| MSF-43AN | 3              |
| MSF-52AN | 4              |
| MSF-71AN | 5              |



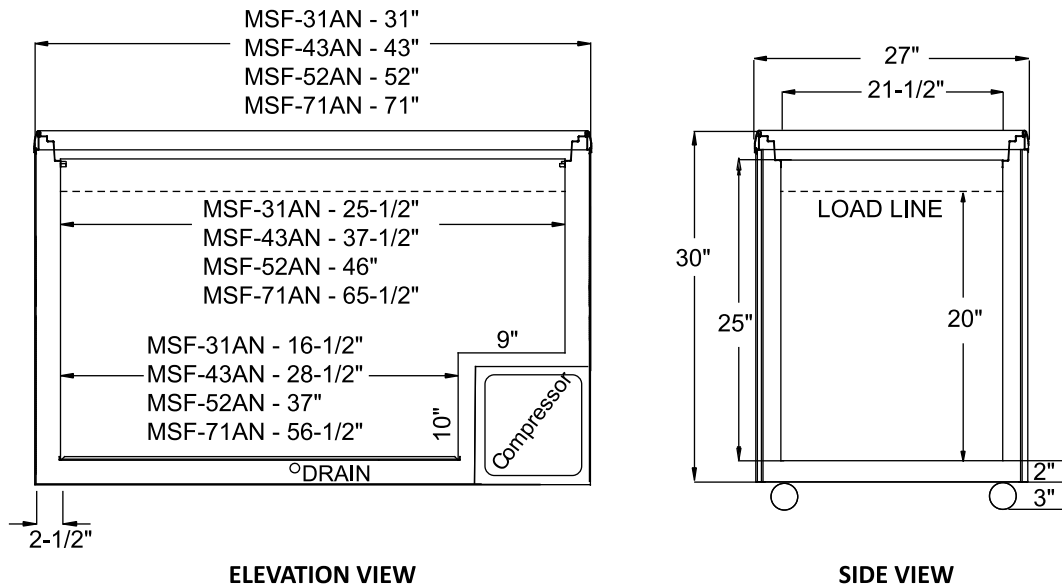
One vertical and one horizontal fixed divider in each basket.



## TECHNICAL SPECIFICATIONS

| Models                     | MSF-31AN      | MSF-43AN      | MSF-52AN      | MSF-71AN      |
|----------------------------|---------------|---------------|---------------|---------------|
| Crated Weight (lbs) (kg)   | 130 (59)      | 154 (70)      | 179 (81)      | 218 (99)      |
| Crated Height (in) (mm)    | 39-1/2 (1003) | 39-1/2 (1003) | 39-1/2 (1003) | 39-1/2 (1003) |
| Crated Width (in) (mm)     | 34 (864)      | 46 (1168)     | 55 (1397)     | 74 (1880)     |
| Crated Depth (in) (mm)     | 30 (762)      | 30 (762)      | 30 (762)      | 30 (762)      |
| Interior Height (in) (mm)  | 25 (635)      | 25 (635)      | 25 (635)      | 25 (635)      |
| Interior Width (in) (mm)   | 25-1/2 (648)  | 37-1/2 (953)  | 43-1/2 (1105) | 65-1/2 (1664) |
| Interior Depth (in) (mm)   | 21-1/2 (546)  | 21-1/2 (546)  | 21-1/2 (546)  | 21-1/2 (546)  |
| Overall Height (in) (mm)   | 33 (838)      | 33 (838)      | 33 (838)      | 33 (838)      |
| Overall Width (in) (mm)    | 31 (787)      | 43 (1092)     | 52 (1321)     | 71 (1803)     |
| Overall Depth (in) (mm)    | 27 (686)      | 27 (686)      | 27 (686)      | 27 (686)      |
| Gross Cubage (CuFt) (L)    | 7.4 (209.5)   | 11.1 (314.3)  | 13.8 (390.7)  | 20.0 (566)    |
| Number of Baskets*         | 2             | 3             | 4             | 5             |
| Number of Casters          | 4             | 4             | 4             | 4             |
| Condensing Unit Size       | 1/3 HP        | 1/3 HP        | 1/3 HP        | 2/3 HP        |
| Refrigerant                | R290          | R290          | R290          | R290          |
| Electrical Characteristics | 115/60/1      | 115/60/1      | 115/60/1      | 115/60/1      |
| NEMA Plug Configuration    | 5-15P         | 5-15P         | 5-15P         | 5-15P         |
| Total Amp Draw             | 1.3           | 1.4           | 2.0           | 4.1           |

\* Includes 1 horizontal and 1 vertical fixed divider per basket.



**LISTINGS****HOOKUP**

Via plug in, 6-1/2 ft. long, flexible 3 wire  
14AWG/3 cord with molded plug.

**BID SPECIFICATIONS**

Item no. MSF-\_\_\_\_\_AN

Provide \_\_\_\_\_ ( )

Flat Lid Display Freezer(s)

Master-Bilt® model MSF-\_\_\_\_\_AN.

Freezer to be constructed of a white zinc-coated baked-on enamel on steel exterior with painted white powder-coated steel interior. Freezer to be

furnished with standard LED interior lighting. Also standard with baskets, integrated basket dividers, external thermometer and lock. Additionally, it will be provided with heavy-duty casters and a defrost water drain. Lids will contain tempered safety glass.

Refrigeration system will use

R290 refrigerant in all models. The temperature range will be -18° to 10°F (-27° to -12°C).

Freezer to have standard one year parts and labor warranty.

Freezer to be ETL listed in the U.S. and Canada and ETL Sanitation listed.

**NOTE:** Cabinet designed for optimum performance in air-conditioned area at 75°F ambient and 55% relative humidity.  
All specifications within this publication subject to change without notice.

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WebstaurantStore > Refrigeration Equipment > Commercial Ice Cream Freezers > Glass Top Display Freezers > **Master-Bilt MSF-43AN 43" Flat Top Display Freezer**

## Master-Bilt MSF-43AN 43" Flat Top Display Freezer

Item #: 560MSF43AN MFR #: MSF-43AN

★★★★★ Read 1 review | 1 answered question



Ships free with **plus** Free Shipping

Only  
**\$1,059.00/Each**

4 interest-free payments of **\$264.75** Apply Now > **Credit Key**

**!** Due to a manufacturer's price increase, this price will increase by **4.00%** to **6.00%** on 03/01/26

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1

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Usually Ships in **5-6 Business Days** from manufacturer  
Lead times vary based on manufacturer stock ?

### Product Overview

- ✓ 11.1 cu. ft. interior includes 6 dividers and 3 baskets
- ✓ Flat glass sliding lids display product to encourage sales; lids lock for security
- ✓ Interior LED lighting and removable rubber bumper guards on exterior
- ✓ Maintains temperatures between -18 and 10 degrees Fahrenheit
- ✓ Uses environmentally-friendly R-290 refrigerant

UPC Code:

400012811173



[View all Master-Bilt Glass Top Display Freezers](#)

Items You Might Like ?

|                                                                                                                                                                                  |                                                                                                                                                                                |                                                                                                                                                                                  |                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Master-Bilt MSC-49AA 48 7/8" Curved Top Display<br/>\$1,179.00/Each</p> <p>1 Add to Cart</p> |  <p>Master-Bilt MSC-31AA 31 1/2" Curved Top Display<br/>\$929.00/Each</p> <p>1 Add to Cart</p> |  <p>Master-Bilt MSC-41AA 39 1/2" Curved Top Display<br/>\$1,089.00/Each</p> <p>1 Add to Cart</p> |  <p>Galaxy ICFC12-HC 48 7/8" Curved Top Display Freezer<br/>\$436.99/Each</p> <p>1 Add to Cart</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Other Products from this Line

|                                                                                                                                                                                     |                                                                                                                                                                                     |                                                                                                                                                                                   |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  <p>Master-Bilt MSF-71AN 71" Flat Top Display Freezer<br/>\$1,514.00/Each</p> <p>1 Add to Cart</p> |  <p>Master-Bilt MSF-52AN 52" Flat Top Display Freezer<br/>\$1,105.00/Each</p> <p>1 Add to Cart</p> |  <p>Master-Bilt MSF-31AN 31" Flat Top Display Freezer<br/>\$909.00/Each</p> <p>1 Add to Cart</p> |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

## Master-Bilt MSF-43AN Details

Showcase ice cream, frozen snacks, or other product in this Master-Bilt MSC-43AN 43" flat top display freezer. Featuring LED lighting and flat glass lids that slide open and closed and the unit provides excellent visibility. This design ensures that customers can effortlessly view the product and then retrieve it for purchase. Plus, for your convenience and organization, 3 baskets and 6 dividers are included with the unit. These help maximize the interior space as you maximize sales.

An easy-to-use control panel allows the operator to adjust the temperature between -18 and 10 degrees Fahrenheit, so you can be sure that it's set to best suit your product. An analog thermometer is attached to the exterior too, making it easy to monitor the unit through the day.

With an enamel steel exterior and a powder-coated steel interior, this unit is built for heavy-use applications, from convenience stores to school cafeterias. Removable rubber bumper guards are even affixed by the grille, helping to protect the part from possible damage as the unit is moved around on its heavy-duty casters. Because 2 of the casters lock though, you don't have to worry about the unit sliding during use. A drain and plug are built into the bottom of the unit to ensure that cleaning is a breeze.

The freezer operates with a 1/3 hp refrigeration system, which circulates eco-friendly R-290 refrigerant. This specialized refrigerant has an ozone depletion potential (ODP) of 0 and a global warming potential (GWP) of 3, making it an environmentally-responsible choice for your business. It requires a 115V electrical connection for operation.

### Overall Dimensions:

Width: 43"

Depth: 27"

Height: 33"

Capacity: 11.1 cu. ft.

**This Item Ships via Common Carrier.** For more information and tips to help your delivery go smoothly, click [here](#).

Because this item is not stocked in our warehouse, processing, transit times and stock availability will vary. If you need your items by a certain date, please contact us prior to placing your order. Expedited shipping availability may vary. We cannot guarantee that this item can be cancelled off of the order or returned once it is placed.

| Master-Bilt MSF-43AN Specs |           |
|----------------------------|-----------|
| Quantity                   | 1/Each    |
| Shipping Weight            | 192 lb.   |
| Width                      | 43 Inches |
| Depth                      | 27 Inches |
| Height                     | 33 Inches |
| Amps                       | 1.1 Amps  |

|                     |                    |
|---------------------|--------------------|
| Hertz               | 60 Hz              |
| Phase               | 1 Phase            |
| Voltage             | 115 Volts          |
| Basket Capacity     | 3                  |
| Capacity            | 11.1 cu. ft.       |
| Casters             | With Casters       |
| Color               | White              |
| Compressor Location | Bottom Mounted     |
| Door Style          | Sliding            |
| Door Type           | Glass              |
| Horsepower          | 1/3 hp             |
| Lid Type            | Flat               |
| Number of Doors     | 2 Doors            |
| Plug Type           | NEMA 5-15P         |
| Refrigerant Type    | R-290              |
| Shape               | Rectangle          |
| Temperature Range   | -18 - 10 Degrees F |
| Usage               | Ice Cream          |

 **Attention CA Residents: Prop 65 Warning** >

|                                                                                     |                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>ETL, US &amp; Canada</b><br>This product has been certified by ETL, a division of the Intertek Group, to meet applicable electrical product safety standards required for use in the United States and Canada. |
|  | <b>ETL Sanitation</b><br>This product has been certified by ETL, a division of the Intertek Group, to meet applicable sanitation standards required for use in the United States and Canada.                      |
|  | <b>5-15P</b><br>This unit comes with a NEMA 5-15P plug.                                                                                                                                                           |

## Questions & Answers

**Looking For Specific Info?** Get quick answers to product questions with our AI-powered search.





By using this AI-powered search, you agree to our [Terms of Use](#) and [Privacy Policy](#).

## Frequently Asked Questions From Customers

**I haven't heard of R-290, R-600a, R-513a, or R-448A refrigerant before. What is it?**

R-290 (also known as high purity propane or CARE 40) and R-600a (also known as refrigerant grade Isobutane or CARE 10) are hydrocarbon refrigerants. R513a (also known as Opteon XP10) and R-448A (also known as Solstice N40) are HFO (hydrofluoroolefin) refrigerants. They are being used by some manufacturers in response to the EPA's Significant New Alternatives Policy (SNAP) Program.

## Resources and Downloads for Master-Bilt MSF-43AN



Specsheet



Manual



Warranty



Terms of Sale

A PDF viewer is required to view this product's information. [Download Adobe Acrobat software](#)

#### Warranty Info

RESIDENTIAL USERS: Vendor assumes no liability for parts or labor coverage for component failure or other damages resulting from installation in non-commercial or residential applications. Your warranty will be voided if installed in non-commercial or residential applications.

#### Resources

 Ice Cream Storage Guide

#### Equivalent Items

Master-Bilt Coldin-3 MSF-43A (Formerly)

#### Related Items

|                                                                                                                                             |                                                                                                                                                    |                                                                                                                                                                    |                                                                                                                                                        |                                                                                                                                                             |                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Glass Top Display Freezers</b><br><br>32 Products | <br><b>Glass Door Merchandiser Freezers</b><br><br>168 Products | <br><b>Countertop Glass Door Refrigerators and Freezers</b><br><br>118 Products | <br><b>Refrigerator / Freezer Thermometers</b><br><br>163 Products | <br><b>Ice Cream Display and Storage Containers</b><br><br>18 Products | <br><b>Refrigerator Equipment</b><br><br>19 Categories |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|

#### Customer Reviews

4.0  
★★★★★  
1 Customer Reviews

5 ★  0  
4 ★  1  
3 ★  0  
2 ★  0  
1 ★  0

### Frequently Mentioned

freezer   adjusting   basic   button   cheaper   clear   coz   cream   display  
door

### Leave a review of this product!

Customers can receive promotional credit when they post reviews.

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### Customer Photos & Videos



#### Sort By

Most Helpful

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All Ratings

Showing 1 of 1 review

#### Wenjuan Y. from Iheart Tea LLC

Posted on 10/03/2019

✓ Verified Purchase

★★★★★

If you just need a freezer in the back of the kitchen for frozen items, I would recommend just get a basic freezer from local store, it would be a lot cheaper. This one is mainly for ice cream display freezer coz it has the clear glass door. The button for adjusting temperature is not very easy to operate, one star off.



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Item #: 194KMCF430BA Project: \_\_\_\_\_

Qty: \_\_\_\_\_ Date: \_\_\_\_\_ Approval: \_\_\_\_\_

## Avantco Ice KMC-F-430-BA 30" Air Cooled Modular Full Cube Ice Machine with 375 lb. Bin - 397 lb.

Item #194KMCF430BA



### Technical Data

|                      |                 |
|----------------------|-----------------|
| Width                | 30 Inches       |
| Depth                | 24 3/8 Inches   |
| Height               | 22 3/8 Inches   |
| Bin Width            | 30 Inches       |
| Bin Depth            | 32 11/16 Inches |
| Bin Height           | 45 5/16 Inches  |
| Phase                | 1 Phase         |
| Voltage              | 115 Volts       |
| 24 Hour Ice Yield    | 397 Pounds      |
| Bin Storage Capacity | 375 lb.         |

### Features

- Makes up to 397 lb. of full cube ice per day
- Durable 304 stainless steel exteriors with polyethylene interiors
- Digital controller allows user to quickly identify issues
- Bright LED lights illuminate the ice bin
- Kit includes ice machine, ice bin, and ice scoop

### Certifications



ETL Sanitation



ETL, US & Canada



3/4" Water Connection

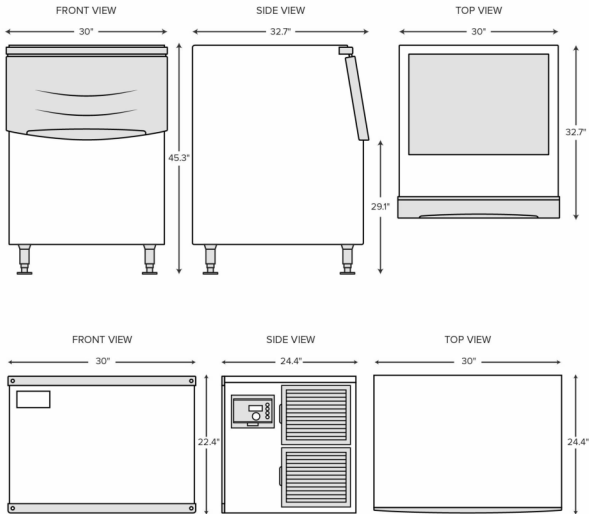


5-15P

Technical Data

|                   |                        |
|-------------------|------------------------|
| Color             | Silver                 |
| Condenser Type    | Air Cooled             |
| Features          | LED Lighting           |
| Ice Type          | Full Size Cubes        |
| Installation Type | Freestanding           |
| Interior Material | Polyethylene           |
| Material          | Stainless Steel        |
| Plug Type         | NEMA 5-15P             |
| Refrigerant Type  | R-290                  |
| Type              | Ice Machines with Bins |
| Water Inlet Size  | 3/4 Inches             |

Plan View





## Notes & Details

Make sure you've always got plenty of fresh ice on hand with the Avantco Ice KMC-F-430-BA 30" air cooled modular full cube ice machine with bin! Capable of producing up to 397 lb. of full cube ice per day, you'll always have plenty of ice to serve on demand. Not only that, with an included ice bin that holds an impressive 375 lb. of ice, this ice machine and bin duo are perfect for preventing periods of downtime while ice is being made. Bright LED lights illuminate the ice bin and this kit also comes with an ice scoop for a complete set.

For ease of maintenance, a built in diagnostic system will identify problems that your ice machine may be having and will display the issue on the digital controller so it can be repaired accordingly. This easy-to-use controller can also be used to monitor the current stage of ice production that your machine is in. It allows you to adjust the bridge thickness up or down to maximize your harvest into individual cubes of ice, rather than full sheets. It also initiates the cleaning cycle and displays what stage of the cycle you're in.

Thanks to their durable type 304 stainless steel construction with polyethylene interiors, these units are built to last, and at only 30" in width, are great for kitchens where space is at a premium. Plus, (4) 6" adjustable legs stabilize the unit on uneven floors. A nickel plated evaporator and removable air filter make for quick and simple cleaning and maintenance. The ice machine comes with pre-drilled holes on the back of the unit to mount your OceanLoch+ water filter (sold separately) to the machine to ensure you are serving the cleanest and freshest ice possible. The ice machine is also designed for side-breathing and rear exhaust, which prevents hot air from being blown outward into your kitchen or service area. This unit requires a 115V electrical connection for operation.

### Kit Includes:

- Avantco Ice KMC-F-430-BA 30" air cooled modular full cube ice machine - 397 lb.
- Avantco Ice BIN27530 30" ice storage bin - 375 lb.
- Sanitary ice scoop

**⚠ WARNING:** This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

What are you looking for?

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WebstaurantStore > Restaurant Equipment > Commercial Ice Equipment and Supplies > Air Cooled Ice Machines > Avantco Ice KMC-F-430-BA 30" Air Cooled Modular Full Cube Ice Machine with 375 lb. Bin - 397 lb.

## Avantco Ice KMC-F-430-BA 30" Air Cooled Modular Full Cube Ice Machine with 375 lb. Bin - 397 lb.

Item #: 194KMCF430BA

★★★★★ Read 3 reviews | 6 answered questions



 View in 3D

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**\$3,019.00/Each**

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Accessories & Options

Water Filtration System  

1

Add to Cart



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Add to Wish List

Type: Full Cube

Full Cube

Half Cube

Capacity: 375 lb.

375 lb.

536 lb.

Feature: Machine with Bin



Machine Only



Machine with Bin

### Installation Services

Check if installation is currently available for your area. 

[Enter ZIP Code >](#)

Quick Shipping

Usually ships in 1 business day ?

#### Product Overview

- ✓ Makes up to 397 lb. of full cube ice per day
- ✓ Durable 304 stainless steel exteriors with polyethylene interiors
- ✓ Digital controller allows user to quickly identify issues
- ✓ Bright LED lights illuminate the ice bin
- ✓ Kit includes ice machine, ice bin, and ice scoop

UPC Code:

400016061963



View all Avantco Ice Machines  
Air Cooled Ice Machines

#### Works With ?

View All Items

|                 |                                                                              |                 |                                                                         |                 |                                                                      |                 |                                                                                |
|-----------------|------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------|
| <b>plus</b><br> | Sani Professional<br>9" x 8" 72 Count<br>No-Rinse Sanitizing<br>\$66.49/Case | <b>plus</b><br> | C Pure Oceanloch+<br>M Water Filtration<br>System with<br>\$188.49/Each | <b>plus</b><br> | Noble 1 pt. / 16 oz.<br>Arctic Ice Machine<br>Cleaner<br>\$7.29/Each | <b>plus</b><br> | Noble 1 Pint / 16 oz.<br>QuikSan Nickel-<br>Safe Concentrated<br>\$102.49/Case |
| 1               | Add to Cart                                                                  | 1               | Add to Cart                                                             | 1               | Add to Cart                                                          | 1               | Add to Cart                                                                    |

#### Items You Might Like ?

|                 |                                                                           |                 |                                                                         |                 |                                                                         |                 |                                                                 |
|-----------------|---------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------|
| <b>plus</b><br> | Avantco Ice KMC-F-<br>430-HA 30" Air<br>Cooled Modular<br>\$5,369.00/Each | <b>plus</b><br> | Avantco Ice MC-F-<br>530-A 30" Air<br>Cooled Modular<br>\$2,199.00/Each | <b>plus</b><br> | Avantco Ice MC-H-<br>530-A 30" Air<br>Cooled Modular<br>\$2,199.00/Each | <b>plus</b><br> | Avantco Ice UC-F-<br>280-A 26" Air<br>Cooled<br>\$1,839.00/Each |
| 1               | Add to Cart                                                               | 1               | Add to Cart                                                             | 1               | Add to Cart                                                             | 1               | Add to Cart                                                     |

Make sure you've always got plenty of fresh ice on hand with the Avantco Ice KMC-F-430-BA 30" air cooled modular full cube ice machine with bin!



Capable of producing up to 397 lb. of full cube ice per day, you'll always have plenty of ice to serve on demand. Not only that, with an included ice bin that holds an impressive 375 lb. of ice, this ice machine and bin duo are perfect for preventing periods of downtime while ice is being made. This unit requires a 115V electrical connection for operation.



#### ETL Sanitation

This product has been certified by ETL, a division of the Intertek Group, to meet applicable sanitation standards required for use in the United States and Canada.



#### ETL, US & Canada

This product has been certified by ETL, a division of the Intertek Group, to meet applicable electrical product safety standards required for use in the United States and Canada.



#### 3/4" Water Connection



This unit comes with a 3/4" water connection for water supply.



#### 5-15P

This unit comes with a NEMA 5-15P plug.



### Bright Lighting

Bright LED lights illuminate the ice bin. This kit also comes with an ice scoop for a complete set.



### Enhanced Stability

With (4) 6" adjustable legs, you can stabilize the unit on uneven floors.



### OceanLoch+ Mounting

Pre-drilled holes allow you to mount your OceanLoch+ water filter to ensure you're serving the cleanest ice possible.

### Intuitive Diagnostics

For ease of maintenance, a built in diagnostic system will identify problems that your ice machine may be having and will display the issue on the digital controller so it can be repaired accordingly. This easy-to-use controller can also be used to monitor the current stage of ice production that your machine is in. It allows you to adjust the bridge thickness up or down to maximize your harvest into individual cubes of ice, rather than full sheets. It also initiates the cleaning cycle and displays what stage of the cycle you're in.



### Durable Construction

Thanks to its durable type 304 stainless steel construction with a polyethylene interior, this unit is built to last, and at only 30" in width, is great for kitchens where space is at a premium.

### Great Ventilation

The ice machine is also designed for side-breathing and rear exhaust, which prevents hot air from being blown outward into your kitchen or service area. Plus, a nickel-plated evaporator and removable air filter make for quick and simple cleaning and maintenance.



## Questions & Answers

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## Frequently Asked Questions From Customers

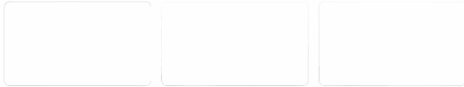
|                                                                                                                                                                        |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| Does Avantco warrant this item for use in a food truck?                                                                                                                | ^ |
| Avantco warrants new equipment sold to food truck customers to be operational for a period of 30 days from the date of delivery if installed and maintained correctly. |   |
| Does this Avantco ice machine have backflow prevention?                                                                                                                | ▼ |
| My ice machine has been shut down for awhile, how should I restart it?                                                                                                 | ▼ |
| What type of environment is best suited for this Avantco Ice Machine?                                                                                                  | ▼ |
| Why should I buy a water filter along with this product?                                                                                                               | ▼ |
| Will this Avantco Ice machine fit on other brands of ice bins and dispensers?                                                                                          | ▼ |



ICE MACHINES  
**AVANTCO**<sup>™</sup>



How to Clean  
Stainless Steel



## Avantco: How to Clean Stainless Steel Ice Machines

Follow these tips for how to clean the stainless steel on your Avantco ice machine.

More Video Resources >

Transcript

Embed

Here's some tips for how to clean the stainless steel on your Avantco ice machine. Only use soft cloths, microfiber, sponges, or plastic scouring pads to avoid scratching the surface. Clean with the polish lines by wiping parallel to the grain.

Use the right cleaning chemicals, such as alkaline, alkaline chlorinated, or non-chloride chemicals. Noble Chemical offers Excel, a water-based aerosol cleaner and polish that won't attract dirt, making it ideal for commercial kitchen equipment.

Clean and disinfect the stainless steel on your ice machine using a sanitizer, like Noble's QuikSan, which is a ready-to-use sanitizer that won't damage stainless steel.

You'll want to minimize the impact of hard water. Do not let hard water stand on your stainless steel surfaces for extended periods. By following these tips you'll make sure your stainless steel is clean and shiny.

## Compare to Other Products

|                   |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                       |  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                   | <br>ITEM #: 194KMCF430BA<br>Avantco Ice KMC-F-430-BA 30" Air Cooled Modular Full Cube Ice Machine with 375 lb. Bin - 397 lb.<br><b>plus</b> Free Shipping | <br>ITEM #: 194MCF530A<br>Avantco Ice MC-F-530-A 30" Air Cooled Modular Full Cube Ice Machine - 497 lb.<br><b>plus</b> Free Shipping |  |
| PRICE             | \$3,019.00/Each                                                                                                                                                                                                                            | \$2,199.00/Each                                                                                                                                                                                                       |  |
| 24 HOUR ICE YIELD | 397 Pounds                                                                                                                                                                                                                                 | 497 Pounds                                                                                                                                                                                                            |  |
| CONDENSER TYPE    | Air Cooled                                                                                                                                                                                                                                 | Air Cooled                                                                                                                                                                                                            |  |
| ICE TYPE          | Full Size Cubes                                                                                                                                                                                                                            | Full Size Cubes                                                                                                                                                                                                       |  |
| INSTALLATION TYPE | Freestanding                                                                                                                                                                                                                               | Modular                                                                                                                                                                                                               |  |
| TYPE              | Ice Machines with Bins                                                                                                                                                                                                                     | Ice Machines                                                                                                                                                                                                          |  |



#### Kit Includes:

|                                                     |   |
|-----------------------------------------------------|---|
| Avantco Ice KMC-F-430-BA 30" full cube ice machine: | 1 |
| Avantco Ice BIN27530 30" ice storage bin:           | 1 |
| Sanitary ice scoop:                                 | 1 |

#### Ice Machine Dimensions:

|         |               |
|---------|---------------|
| Width:  | 30 Inches     |
| Depth:  | 24 3/8 Inches |
| Height: | 22 3/8 Inches |

#### Ice Bin Dimensions:

|             |                 |
|-------------|-----------------|
| Bin Width:  | 30 Inches       |
| Bin Depth:  | 32 11/16 Inches |
| Bin Height: | 45 5/16 Inches  |

Please check the [Compatibility](#) resource for information on items that work with this product.

This Item Ships via **Common Carrier**. For more information and tips to help your delivery go smoothly, click [here](#).

 **Attention CA Residents: Prop 65 Warning** >



### Need Parts & Accessories?

Shop replacement parts and accessories for this item today!

[Find Parts for this Item](#)

#### Resources and Downloads



Specsheet



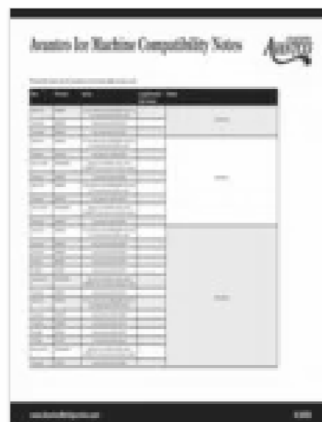
Manual



Warranty



Parts Manual



Compatibility



Buying Guide

A PDF viewer is required to view this product's information. [Download Adobe Acrobat software](#)

Warranty Info

RESIDENTIAL USERS: Vendor assumes no liability for parts or labor coverage for component failure or other damages resulting from installation in non-commercial or residential applications.

Resources

 Types of Ice Machines

| Specs                |                        |
|----------------------|------------------------|
| Quantity             | 1/Each                 |
| Shipping Weight      | 250 lb.                |
| Width                | 30 Inches              |
| Depth                | 24 3/8 Inches          |
| Height               | 22 3/8 Inches          |
| Bin Width            | 30 Inches              |
| Bin Depth            | 32 11/16 Inches        |
| Bin Height           | 45 5/16 Inches         |
| Phase                | 1 Phase                |
| Voltage              | 115 Volts              |
| 24 Hour Ice Yield    | 397 Pounds             |
| Bin Storage Capacity | 375 lb.                |
| Color                | Silver                 |
| Condenser Type       | Air Cooled             |
| Features             | LED Lighting           |
| Ice Type             | Full Size Cubes        |
| Installation Type    | Freestanding           |
| Interior Material    | Polyethylene           |
| Material             | Stainless Steel        |
| Plug Type            | NEMA 5-15P             |
| Refrigerant Type     | R-290                  |
| Type                 | Ice Machines with Bins |
| Water Inlet Size     | 3/4 Inches             |

Other Products from this Line

|                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>plus</b> ★★★★★<br>Avantco Ice KMC-H-530-A 30" Air Cooled Modular Half Cube<br><b>\$3,199.00/Each</b> | <br><b>plus</b> ★★★★★<br>Avantco Ice KMC-H-322-A 22" Air Cooled Modular Half Cube<br><b>\$2,799.00/Each</b> | <br><b>plus</b> ★★★★★<br>Avantco Ice KMC-F-530-LA 30" Air Cooled Modular Full<br><b>\$3,499.00/Each</b> | <br><b>plus</b> ★★★★★<br>Avantco Ice KMC-H-530-LA 30" Air Cooled Modular Half<br><b>\$3,499.00/Each</b> | <br><b>plus</b> ★★★★★<br>Avantco Ice KMC-F-322-A 22" Air Cooled Modular Full Cube Ice<br><b>\$2,799.00/Each</b> | <br><b>plus</b> ★★★★★<br>Avantco Ice KMC-H-530-A 30" Air Cooled Modular Full<br><b>\$3,199.00/Each</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Related Items

|                                                                                                                                       |                                                   |                                                                                                                          |                                                                                                                 |                                                                                                                                          |                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <br>Ice Bin Merchandisers / Coolers<br>85 Products | Remote Condenser Ice Machines<br><br>173 Products | <br>Hotel Ice Buckets<br>243 Products | <br>Ice Bags<br>16 Products | <br>Ice Machine Controls & Displays<br>206 Products | <br>Mobile Ice Machines<br>77 Products |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|

## Customer Reviews

2.3



3 Customer Reviews



### Frequently Mentioned

market tickets always care customer decent help ice install  
machine

### Leave a review of this product!

Customers can receive promotional credit when they post reviews.

Login or Register

#### Sort By

Most Helpful

#### Filter By

All Options

#### Filter By Rating

All Ratings

Showing 3 of 3 reviews

#### Peter C.

Posted on 01/07/2024

✓ Verified Purchase



**Type:** Half Cube

**Capacity:** 375 lb.

**Feature:** Machine with Bin

Decent unit...easy to install. Ice is perfect and quick.

5 out of 6 found this review helpful

#### Stefano M.

Posted on 08/27/2025

✓ Verified Purchase



**Type:** Full Cube

**Capacity:** 375 lb.

**Feature:** Machine with Bin

The worst machine in the market. Save your money, it is all garbage, and the warranty is a scam!!!! nothing but trash product in the market

Thank you for your review, Stefano! Our Customer Solutions team has been in contact with you - if you have any further questions or concerns on this order, we are happy to assist!

**WebstaurantStore Customer Solutions**

#### Eshanya H.

Posted on 07/16/2025

✓ Verified Purchase



**Type:** Half Cube

**Capacity:** 375 lb.

**Feature:** Machine with Bin

Worked only for few months. Raised tickets with webstaurantstore few times with customer care team without any help back. They always say you have an open ticket

and someone will get back to you either via email or phone. Not recommended this.

0 out of 1 found this review helpful

Thank you for your review! A Customer Solutions Representative will remain in touch with you on this ice machine. Please reach out with any questions!

**WebstaurantStore Customer Solutions**

## Find Related Products

crushed ice machines

icemaker for fountain machine

nugget ice machine

sonic ice machine

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Item #: 178GDC23HCB Project: \_\_\_\_\_

Qty: \_\_\_\_\_ Date: \_\_\_\_\_ Approval: \_\_\_\_\_

Provide white color

## Avantco GDC-23-HC 28 3/8" Black Customizable Swing Glass Door Merchandiser Refrigerator with LED Lighting

Item #178GDC23HCB



### Technical Data

|                   |                |
|-------------------|----------------|
| Width             | 28 3/8 Inches  |
| Depth             | 31 7/8 Inches  |
| Height            | 83 7/8 Inches  |
| Power Cord Length | 96 Inches      |
| Interior Width    | 25 3/16 Inches |
| Shelf Width       | 24 5/16 Inches |
| Interior Depth    | 28 5/16 Inches |
| Shelf Depth       | 23 1/4 Inches  |
| Interior Height   | 53 7/8 Inches  |
| Amps              | 3 Amps         |

### Features

- Anti-fog dual-pane tempered glass swing door with magnetic gaskets
- Interior LED lighting illuminates product; back lit exterior top panel attracts customers' attention
- 4 adjustable shelves with price tag strip on each shelf
- Easy to use digital temperature controls
- 115V; 4/9 hp; R-290 refrigerant

### Certifications

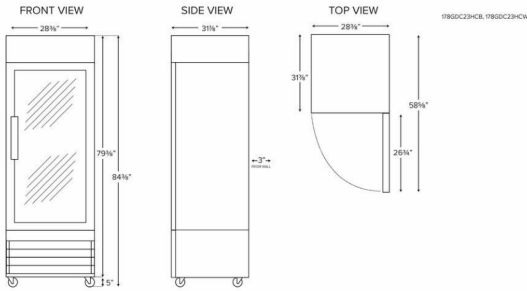


Avantco Refrigeration

## Technical Data

|                      |                             |
|----------------------|-----------------------------|
| Hertz                | 60 Hz                       |
| Phase                | 1 Phase                     |
| Voltage              | 115 Volts                   |
| Wattage              | 315 Watts                   |
| Access Type          | Doors                       |
| BTU (LBP)            | 1109 BTU                    |
| Capacity             | 22.6 cu. ft.                |
| Capacity (per Shelf) | 88 lb.                      |
| Color                | Black                       |
| Compressor Location  | Bottom Mounted              |
| Door Style           | Swing                       |
| Door Type            | Glass                       |
| Exterior Material    | Black-Coated Steel          |
| Features             | Customizable LED Lighting   |
| Hinge Location       | Right                       |
| Horsepower           | 4/9 hp                      |
| Installation Type    | Freestanding                |
| Interior Color       | White                       |
| Number of Doors      | 1 Doors                     |
| Number of Shelves    | 4 Shelves                   |
| Plug Type            | NEMA 5-15P                  |
| Refrigerant Capacity | 2.6 oz.                     |
| Refrigerant Type     | R-290                       |
| Sections             | 1 Section                   |
| Shelf Material       | Epoxy-Coated Steel          |
| Starting Amps        | 9 Amps                      |
| Starting Wattage     | 945 Watts                   |
| Temperature Range    | 33 - 40 Degrees F           |
| Type                 | Merchandising Refrigeration |

## Plan View





## Notes & Details

Increase your sales of "grab and go" items like bottled tea and soda, or pre-packaged sandwiches and salads with this Avantco GDC-23-HC 28 3/8" black merchandising refrigerator! Designed with sharp looks and usability in mind, this unit is the perfect display for your products with its sleek finish. And, since the housing is made from black coated steel, you can be sure that it will provide superior durability. This unit boasts an anti-fogging, dual-pane tempered glass swing door to ensure that customers always have a clear view of your products, while (4) epoxy coated steel shelves help you stay organized. Plus, the shelves easily adjust to accommodate salads, wraps, or sandwiches. Interior LED lighting also works to illuminate and further merchandise your products.

Designed to maintain temperatures from 33-40 degrees Fahrenheit, this refrigerator boasts a bottom-mounted 4/9 hp compressor that runs on R-290 refrigerant. This specialized refrigerant has an ozone depletion potential (ODP) of 0 and a global warming potential (GWP) of 3. In addition, the bottom-mounted design makes it easy for employees to load and unload products due to the raised bottom shelf. For optimal temperature retention, the entire cabinet is foamed-in place using polyurethane insulation. Other helpful features include magnetic gaskets, automatic defrosting, as well as a digital temperature control and display. This item requires a 115V electrical connection for operation.

**⚠ WARNING:** This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

What are you looking for?

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WebstaurantStore > Refrigeration Equipment > Merchandising and Display Refrigeration > Merchandising Glass Door Refrigerators / Coolers > Black Merchandising Glass Door Refrigerators / Coolers > **Avantco GDC-23-HC 28 3/8" Black Customizable Swing Glass Door Merchandiser Refrigerator with LED Lighting**

## Avantco GDC-23-HC 28 3/8" Black Customizable Swing Glass Door Merchandiser Refrigerator with LED Lighting

Item #: 178GDC23HCB

★★★★★ Read 89 reviews | 7 answered questions



 View in 3D

Ships free with **plus** Free Shipping

Regularly  
**\$1,209.00/Each**

Plus Member Price  
**\$1,089.00/Each**  
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### What We Offer



#### Protect Your Product

Coverage starting at \$48.49 ?

[Add Protection](#)

1

Add to Cart

OR



Customize & Add to Cart



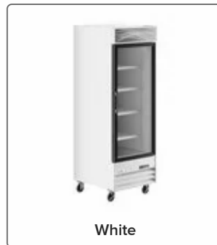
Earn up to **\$36.27 back** (3,627 points) with a [Webstaurant Rewards Visa® Credit Card](#)

Add to Wish List

Color: Black



Black



White

Hinge Location: Right Hinged

Left Hinged

Right Hinged

### Installation Services

Check if installation is currently available for your area. ?  
[Enter ZIP Code >](#)



### Quick Shipping

Usually ships in **1 business day** ?

[Product Overview](#)



- ✓ Anti-fog dual-pane tempered glass swing door with magnetic gaskets
- ✓ Interior LED lighting illuminates product; back lit exterior top panel attracts customers' attention
- ✓ 4 adjustable shelves with price tag strip on each shelf
- ✓ Easy to use digital temperature controls
- ✓ 115V; 4/9 hp; R-290 refrigerant

Quality Rating:

Better

UPC Code:

400012270680



View all Avantco Refrigeration Merchandising  
Glass Door Refrigerators / Coolers

## Works With ?

[View All Items](#)

|                                                                                                                                                                                                              |                                                                                                                                                                                                     |                                                                                                                                                                                                   |                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>plus</b></p>  <p>VersaTile Remote<br/>WiFi-Enabled Walk-In / Refrigeration<br/>\$109.99/Each</p> <p>1 Add to Cart</p> | <p><b>plus</b></p>  <p>Avantco<br/>178FST10LN12 10<br/>Lane Pusher Glide<br/>\$47.49/Each</p> <p>1 Add to Cart</p> | <p><b>plus</b></p>  <p>Avantco<br/>178FST9LN16 8<br/>Lane Pusher Glide<br/>\$47.49/Each</p> <p>1 Add to Cart</p> | <p><b>plus</b></p>  <p>Avantco<br/>178SLD7LN32 7<br/>Lane Gravity Feed<br/>\$41.49/Each</p> <p>1 Add to Cart</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Items You Might Like ?

|                                                                                                                                                                                                        |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>MainStreet<br/>Equipment GMC-23<br/>28" Black Swing<br/>\$969.00/Each</p> <p>1 Add to Cart</p> | <p><b>plus</b></p>  <p>Avantco GDC-12F-<br/>HC 27" Black<br/>Customizable<br/>\$1,799.00/Each</p> <p>1 Add to Cart</p> | <p><b>plus</b></p>  <p>Avantco GDC-24F-<br/>HC 31" Black<br/>Customizable<br/>\$1,929.00/Each</p> <p>1 Add to Cart</p> | <p><b>plus</b></p>  <p>Avantco GDW-23-<br/>BB 28" Black<br/>Customizable<br/>\$1,599.00/Each</p> <p>1 Add to Cart</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Give impulse sales a boost with the Avantco GDC-23-HC 28 3/8" black merchandiser refrigerator.



Whether you want to show off a wide selection of sodas, teas, and energy drinks, or give customers quick access to pre-packaged salads and sandwiches, this Avantco GDC-23-HC black merchandising refrigerator is the perfect unit with its sharp looks and smart features! Its single section design takes up minimal space, making it great for applications like markets, delis, and restaurants.



ETL, US

This product has been certified by ETL, a division of the Intertek Group, to meet applicable electrical product safety standards required for use in the United States.



5-15P

This unit comes with a NEMA 5-15P plug.



Customizable

This item can be customized to promote your brand, company, or event.



ETL Sanitation



This product has been certified by ETL, a division of the Intertek Group, to meet applicable sanitation standards required for use in the United States and Canada



"This refrigerator has been great, have had no problems at all thus far with it. We were easily able to replace the plexiglass at the top with our own and it was easy to install and looks great!!"

[Read More Reviews](#)



### Versatile Use

This merchandiser boasts interior LED lighting on the right side to always show your products at their best. The anti-fogging dual-pane tempered glass door helps ensure a crystal-clear view of the interior, while integrated magnetic gaskets ensure the door closes firmly after use every time, saving energy and maintaining the quality of your food. The unit is ideal for bottled and canned beverages, and can also be used to show off salads, sandwiches, and other pre-packaged foods.



### 4 Epoxy Coated Shelves

Made from epoxy coated steel, the shelves in this refrigerator are easy to install and adjust to meet the demands of changing inventory needs. Each shelf has a 88 lb. load capacity.



### Smart Features

A mechanical temperature control features a digital display to make monitoring interior temperatures a breeze. This unit also comes with an auto defrost function, which ensures optimal performance day-in and day-out.



### Casters Included

A set of casters provides the unit with convenient mobility. When it comes time for cleaning or maintenance, simply roll the unit away from the wall!

### High-Performance Refrigeration

Designed to maintain temperatures from 33-40 degrees Fahrenheit, this refrigerator boasts a bottom-mounted 4/9 hp compressor that uses R-290 refrigerant. This specialized

refrigerant has an ozone depletion potential (ODP) of 0 and a global warming potential (GWP) of 3.



### Heavy-Duty Construction

The durable construction includes white-coated aluminum interior walls and a stainless steel floor. The exterior features peel and chip-resistant, powder-coated cold rolled steel that is strong and permanent.

### Customizable Top Panel

Advertise your establishment's logo by placing it on the top of your merchandiser for customers to see. Simply add your logo to our selection of pre-designed panel graphics or create a completely custom design to raise brand awareness and let customers know what's inside the unit. To see the full selection of graphic options, click on the purple "Customize & Add to Cart" button above!



## Questions & Answers

**Looking For Specific Info?** Get quick answers to product questions with our AI-powered search.

 Ask about this product

Ask

By using this AI-powered search, you agree to our [Terms of Use](#) and [Privacy Policy](#).

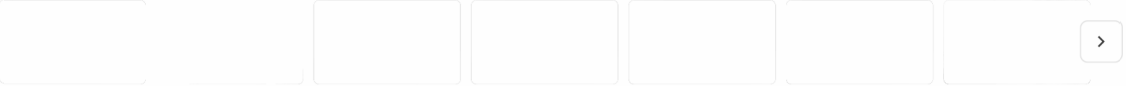
### Frequently Asked Questions From Customers

|                                                                                                                                                                                                      |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| <b>Are there any temperature specifications to keep in mind when installing this glass door unit?</b>                                                                                                | ^ |
| This unit has a maximum ambient temperature rating of 90 degrees Fahrenheit. However, high humidity environments may cause excessive condensation and ice accumulation in the unit and on its doors. |   |
| <b>Does Avantco warrant this item for use in a food truck?</b>                                                                                                                                       | v |
|                                                                                                                                                                                                      |   |

|                                                                                          |   |
|------------------------------------------------------------------------------------------|---|
| I haven't heard of R-290, R-600a, R-513a, or R-448A refrigerant before. What is it?      | ▼ |
| Is the door on this merchandiser field reversible for right- or left-handed use?         | ▼ |
| My unit was delivered, but I don't see any casters?                                      | ▼ |
| What if my Avantco cooler doesn't seem to be getting cold enough throughout the cabinet? | ▼ |
| Can this item fit through a standard height 80" doorway ?                                | ▼ |



Watch More Videos



### Avantco Refrigeration: How to Clean Refrigerator Coils

By taking the time to clean the coils in your unit, you can decrease energy costs and increase the longevity of your refrigerator.

More Video Resources >

Transcript

Embed

How to clean your refrigerator coils. Begin by unplugging your refrigerator and make sure the door is shut to keep food at the proper temperature. Use a screwdriver to remove the grill.

Once removed, use the coil brush to thoroughly clean the coils. Use the crevice attachment on a vacuum cleaner to remove any extra dust or debris. When cleaning coils, be sure to follow direction of the fins with the coil brush and vacuum, rather than going against it. This helps ensure that you won't bend the fins on the coils.

Once the coils are clean, reinstall the grill. By taking the time to clean the coils in your unit, you can decrease energy costs and increase the longevity of your refrigerator.

### Compare to Other Products

|                                                                                         |                                                                                              |                                                                                         |                        |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------|
|      |           |    |                        |
| ITEM #: 178GDC23HCB                                                                     | ITEM #: 178GDC10HCB                                                                          | ITEM #: 178GDC15HCB                                                                     |                        |
| Avantco GDC-23-HC 28 3/8" Black Customizable Swing Glass Door Merchandiser Refrigerator | Avantco GDC-10-HC 21 5/8" Black Customizable Swing Glass Door Merchandiser Refrigerator with | Avantco GDC-15-HC 25 5/8" Black Customizable Swing Glass Door Merchandiser Refrigerator | Avan<br>Custo<br>Mercl |

|                   |                           |                           |                           |  |
|-------------------|---------------------------|---------------------------|---------------------------|--|
|                   | <b>plus</b> Free Shipping | <b>plus</b> Free Shipping | <b>plus</b> Free Shipping |  |
| PRICE             | <b>\$1,209.00</b> /Each   | <b>\$819.00</b> /Each     | <b>\$1,069.00</b> /Each   |  |
| WIDTH             | 28 3/8 Inches             | 21 5/8 Inches             | 25 5/8 Inches             |  |
| VOLTAGE           | 115 Volts                 | 115 Volts                 | 115 Volts                 |  |
| CAPACITY          | 22.6 cu. ft.              | 8.5 cu. ft.               | 13.5 cu. ft.              |  |
| COLOR             | Black                     | Black                     | Black                     |  |
| HORSEPOWER        | 4/9 hp                    | 1/3 hp                    | 1/3 hp                    |  |
| NUMBER OF DOORS   | 1 Door                    | 1 Door                    | 1 Door                    |  |
| NUMBER OF SHELVES | 4 Shelves                 | 4 Shelves                 | 4 Shelves                 |  |
| SECTIONS          | 1 Section                 | 1 Section                 | 1 Section                 |  |
| TEMPERATURE RANGE | 33 - 40 Degrees F         | 33 - 40 Degrees F         | 33 - 40 Degrees F         |  |

Overall Dimensions:

Width: 28 3/8 Inches

Depth: 31 7/8 Inches

Height: 83 7/8 Inches

Capacity: 22.6 cu. ft.

Interior Dimensions:

Interior Width: 25 3/16 Inches

Interior Depth: 28 5/16 Inches

Interior Height: 53 7/8 Inches

Please check the **Compatibility** resource for information on items that work with this product.

**This Item Ships via Common Carrier.** For more information and tips to help your delivery go smoothly, click [here](#).

 **Attention CA Residents: Prop 65 Warning** >





## Need Parts & Accessories?

Shop replacement parts and accessories for this item today!

Find Parts for this Item

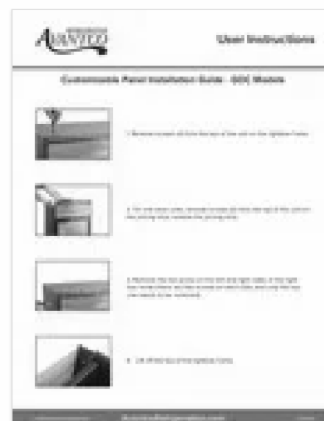
### Resources and Downloads



Specsheet



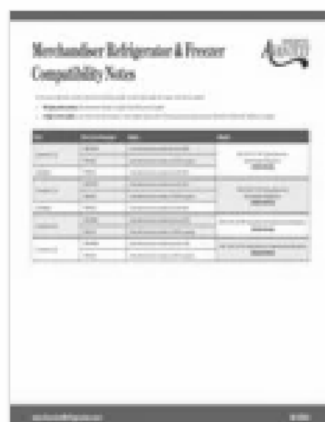
Manual



Instructions



Warranty



Compatibility



Buying Guide

A PDF viewer is required to view this product's information. [Download Adobe Acrobat software](#)

#### Warranty Info

Note: Avantco Refrigeration equipment with a labor warranty purchased prior to May 1st, 2024, is warranted for 1-year parts & labor / 5-year compressor. Any equipment installed outdoors, in a temporary structure, food truck, other mobile application, or in a residence or home-based business is covered by a 30-day replacement warranty through the place of purchase.

#### Resources

- [How to Clean Refrigerator Coils](#)
- [Refrigerated Merchandisers Buying Guide](#)
- [Refrigeration Warranties Explained](#)

#### Specs

|                   |                |
|-------------------|----------------|
| Quantity          | 1/Each         |
| Shipping Weight   | 358 lb.        |
| Width             | 28 3/8 Inches  |
| Depth             | 31 7/8 Inches  |
| Height            | 83 7/8 Inches  |
| Power Cord Length | 96 Inches      |
| Interior Width    | 25 3/16 Inches |
| Shelf Width       | 24 5/16 Inches |
| Interior Depth    | 28 5/16 Inches |
| Shelf Depth       | 23 1/4 Inches  |
| Interior Height   | 53 7/8 Inches  |

|                      |                              |
|----------------------|------------------------------|
| Amps                 | 3 Amps                       |
| Hertz                | 60 Hz                        |
| Phase                | 1 Phase                      |
| Voltage              | 115 Volts                    |
| Wattage              | 315 Watts                    |
| Access Type          | Doors                        |
| BTU (LBP)            | 1,109 BTU                    |
| Capacity             | 22.6 cu. ft.                 |
| Capacity (per Shelf) | 88 lb.                       |
| Color                | Black                        |
| Compressor Location  | Bottom Mounted               |
| Door Style           | Swing                        |
| Door Type            | Glass                        |
| Exterior Material    | Black-Coated Steel           |
| Features             | Customizable<br>LED Lighting |
| Hinge Location       | Right                        |
| Horsepower           | 4/9 hp                       |
| Installation Type    | Freestanding                 |
| Interior Color       | White                        |
| Number of Doors      | 1 Door                       |
| Number of Shelves    | 4 Shelves                    |
| Plug Type            | NEMA 5-15P                   |
| Refrigerant Capacity | 2.6 oz.                      |
| Refrigerant Type     | R-290                        |
| Sections             | 1 Section                    |
| Shelf Material       | Epoxy-Coated Steel           |
| Starting Amps        | 9 Amps                       |
| Starting Wattage     | 945 Watts                    |
| Temperature Range    | 33 - 40 Degrees F            |
| Type                 | Merchandising Refrigeration  |

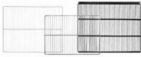
Equivalent Items ?

Avantco Refrigeration GDC23 (Formerly)

Other Products from this Line

|                                                                                                                                                                                                                           |                                                                                                                                                                                                                         |                                                                                                                                                                                                                       |                                                                                                                                                                                                                           |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  <div> <p><i>plus</i> ★★★★★</p> <p>Avantco GDC-69-HC<br/>78 1/4" Black<br/>Customizable Swing</p> <p><b>\$2,339.00</b>/Each</p> </div> |  <div> <p><i>plus</i> ★★★★★</p> <p>Avantco GDC-10-HC<br/>21 5/8" Black<br/>Customizable Swing</p> <p><b>\$819.00</b>/Each</p> </div> |  <div> <p><i>plus</i> ★★★★★</p> <p>Avantco GDC-40-HC<br/>48" Black<br/>Customizable Swing</p> <p><b>\$1,549.00</b>/Each</p> </div> |  <div> <p><i>plus</i> ★★★★★</p> <p>Avantco GDC-15-HC<br/>25 5/8" Black<br/>Customizable Swing</p> <p><b>\$1,069.00</b>/Each</p> </div> |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

Related Items

|                                                                                                                                                              |                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                                  |                                                                                                                                                           |                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Merchandising Glass Door Refrigerators / Coolers</p> <p>258 Products</p> |  <p>Glass Door Merchandiser Freezers</p> <p>168 Products</p> |  <p>Countertop Glass Door Refrigerators and Freezers</p> <p>118 Products</p> |  <p>Shelves for Merchandiser Refrigerators and Freezers</p> <p>381 Products</p> |  <p>Walk-in Refrigeration Parts and Accessories</p> <p>505 Products</p> |  <p>Commercial Combination Refrigerators and Freezers</p> <p>61 Products</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

Customer Reviews

3.6

★

★

★

★

★

89 Customer Reviews

5★

49

4★

8

3★

4

2★

7

1★

21

✦ Customers Say

Customers report mixed experiences with this refrigerator. While some praise its compact design, effective display features, and adequate cooling, others express concerns about inconsistent temperatures, noise levels, and durability issues, particularly with the compressor and door functionality.

fridge

great

door

cooler

refrigerator

temperature

space

perfect

nice

unit

This AI-generated summary was created from real customer reviews

Leave a review of this product!

Customers can receive promotional credit when they post reviews.

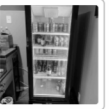
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Sort By

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Showing 20 of 89 reviews

See All 89 Reviews

Jeffrey O. from Portland Sports Bar & Grill

Posted on 10/12/2022

✓ Verified Purchase

★★★★★

Color: Black

Hinge Location: Right Hinged

This fridge worked PERFECTLY...for about 16 months! Then it went from 36 degrees to 68 degrees and never went back down again. Of course the warranty for parts & labor was only for a year, so we were on our own for getting it repaired. Our refrigeration expert checked it out & was sure it was a refrigerant leak on top of a bad compressor and informed us that it would be similar cost to to just purchase a new unit! So, 16 months later we have now purchased a 2nd unit...this time with the 5-year



warranty. I personally take very good care of routinely cleaning all our equipment, so this isn't a maintenance issue. Currently I have 5 other Avantco fridges/freezers that I am using at my restaurant with zero issues! Very upset that I need to cough-up money on a product that should be built to last more than a whole calendar year.

11 out of 12 found this review helpful

We appreciate your review, Jeffrey. We wish this product would have worked out for you. Our Customer Solutions team will remain in contact with you about this.

**WebstaurantStore Customer Solutions**

**Jon S. from Wonton Jon's**

Posted on 02/22/2023

✓ Verified Purchase

★★★★★

**Color:** Black

**Hinge Location:** Right Hinged

I purchased two of these refrigerators and neither of them get below 43 degrees. I had the first one for a year and a half before a health inspector called me out on it. The digital readout says 33F degrees but when you put a thermometer inside the cooler it won't get below 43 degrees. I thought maybe I burned the first one out, so I bought a replacement unit and straight out of the box I had the exact same issue. Stay away from this unit!

10 out of 11 found this review helpful

We appreciate your review, Jon. We wish this product would have worked out for you. Our Customer Solutions team will remain in contact with you about this.

**WebstaurantStore Customer Solutions**

**Desiree M. from Coffee Cabin**

Posted on 04/14/2022

✓ Verified Purchase

★★★★★

**Color:** White

Love this fridge!!! I looked everywhere trying to find something compact enough to fit in my coffee trailer And finally came across this gem. Very impressed



7 out of 7 found this review helpful

**Robert W.**

Posted on 07/08/2017

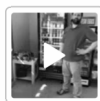
✓ Verified Purchase

★★★★★

**Color:** Black

**Hinge Location:** Right Hinged

Cooler has enough room to fit several items. Easily accessible and displays products perfectly. Castor wheels make for easy moving. Nice LED lights make for easy product viewing.



6 out of 6 found this review helpful

**Karl S. from Cafe One**

Posted on 10/20/2022

✓ Verified Purchase

★★★★★

**Color:** Black

**Hinge Location:** Right Hinged

Right out of the box the unit's door did not sit square, it will not close properly without hitting the bottom grate you have to manually lift up on the door to close. Also, the spring loaded return does not work, the door doesn't close automatically. I have contacted chat about this, but you refused to repair or replace.

5 out of 6 found this review helpful

Thank you for your review, Karl! We are sorry this product has not worked well for you. A Customer Solutions Representative will contact you soon!

**WebstaurantStore Customer Solutions**

**Phikulthong C. from THAI SIAM RESTAURANT**

Posted on 04/18/2023

✓ Verified Purchase

★★★★★

**Color:** Black

**Hinge Location:** Right Hinged

Bought this in October 2019. Now April 2023, unit started leaking and not cooling. Spent half a grand fixing.

4 out of 5 found this review helpful

Thank you for your feedback! We're sorry you did not prefer this product. For recommendations, please contact our Customer Solutions team.

**WebstaurantStore Customer Solutions**

**Chris E.**

Posted on 11/25/2023

✓ Verified Purchase

★★★★★

**Color:** Black

**Hinge Location:** Right Hinged

Fridge does not cool properly. The negative reviews are correct. The temperature range is not correct. It will not cool lower than 41. I'm not sure why this fridge is still for sale. And being falsely advertised.

3 out of 3 found this review helpful

Thank you for your review, chris! We are sorry this product has not worked well for you. Action has been taken to remedy this. Please reach out to our Customer Solutions team if you have any questions!

**WebstaurantStore Customer Solutions**

**Christopher N.**

Posted on 02/23/2021

✓ Verified Purchase

★★★★★

**Color:** Black

**Hinge Location:** Right Hinged

This product does perform as advertised and is solidly built. The interior lighting is great and it holds temps fairly well. I really would love to give this product 4 or 5 stars. However, I can only give this product 2 stars due to the loudness of the unit. When the fan cycles on, which is about every 5-10 minutes, the unit gets as loud as 65-70 db. (I measured it.) I understand the unit needs airflow, but I've worked with minus 80 freezers that are not as loud.

3 out of 3 found this review helpful

**Charlie C. from The Happy Bakery**

Posted on 09/12/2022

✓ Verified Purchase

★★★★★

**Color:** Black

**Hinge Location:** Right Hinged

The cooler cane off the truck today and we were happy with it until we realized, after unpacking it and bringing it in, that the door doesn't close. The lip on the corner guard is not seated appropriately and keeps the door from shutting.

2 out of 2 found this review helpful

Thank you for your review, Charlie! We are sorry this product has not worked well for you. A Customer Solutions Representative will contact you soon!

**WebstaurantStore Customer Solutions**

**Scott G. from KBG DELI**

Posted on 11/24/2021

✓ Verified Purchase

★★★★★

**Color:** Black

**Hinge Location:** Right Hinged

Ordered this item for retail items in our deli, unfortunately the cooler does not stay in the 30s as advertised. I have it set ok 33 which is as low as it goes and it is constantly in the low 40s.

2 out of 2 found this review helpful

Thank you for your review, Scott! We are sorry this Avantco GDC-10-HC 21 5/8 inch Black Swing Glass Door Merchandiser Refrigerator with LED Lighting has not worked well for you. A Customer Solutions Representative will contact you soon!

**WebstaurantStore Customer Solutions**

**John F. from Rise Up**

Posted on 05/23/2021

★★★★★

**Color:** White

I got this fridge in 2016 and it has been working nonstop in a food truck and in smoothie shops all day for 5 years. I need some door parts, but otherwise it's the most impressive equipment I have purchased.

2 out of 3 found this review helpful

**Nattapol P. from Taco Project**

Posted on 05/08/2018

✓ Verified Purchase

★★★★★

**Color:** White

It has a lot of space for storage. But low quality, the top fan has burnt out and stopped working after 2 and a half months.

2 out of 2 found this review helpful

Thank you for your review, Nattapol Pimsen! We are sorry this Avantco GDC-23-HC 28 3/8 inch White Swing Glass Door Merchandiser Refrigerator with LED Lighting has not worked well for you. A Customer Solutions Representative will contact you soon!

**WebstaurantStore Customer Solutions**

**Andy S. from Vault Catering And Events**

Posted on 08/08/2017

✓ Verified Purchase

★★★★★

**Color:** Black

**Hinge Location:** Right Hinged

This black swing glass door refrigerator works great in our cafe! We use one for drinks so customers can easily see our options and one for individual meals and

salads we sell as well. Great quality!

2 out of 2 found this review helpful

**Zachary P.**

Posted on 11/19/2025

✓ Verified Purchase



**Color:** White

I have had this fridge since 2021 with no issues. I thought I would leave a review because I'm buying another one for another one of our stores!

1 out of 1 found this review helpful

**Shashika S.**

Posted on 10/24/2024

✓ Verified Purchase



**Color:** Black

**Hinge Location:** Right Hinged

Garbage....Waste of money. My compressor went bad right after 13 months.(right after the warranty ran out) This was in front of my restaurant in the AC the whole life, one day the temp went to 55F and never came down. tried everything and call 2 techs but they refuse to fix this thing because it has this new HIGHLY FLAMABLE refrigerant and even if I were to fix it, its going to cost almost the same money as buying another one of this.

1 out of 2 found this review helpful

Thank you for your review, Shashika! This item carries a 5-year compressor warranty at the time of this response and we will remain in contact with you. The refrigerant, R290, is a common refrigerant that has been in use for years due to its efficiency and relatively low environmental impact. Qualified technicians are fully equipped to service products containing R290.

**WebstaurantStore Customer Solutions**

**Dianna F.**

Posted on 03/03/2024

✓ Verified Purchase



**Color:** Black

**Hinge Location:** Right Hinged

Good on pricing , does the job with some modifications made to the existing shelves. The brackets are in wired places so to use them in an equal distribution it's not possible bc the side rails have screws that don't match up in location to front and back.

1 out of 1 found this review helpful

**Desi B.**

Posted on 07/06/2023

✓ Verified Purchase



**Color:** Black

**Hinge Location:** Right Hinged

customer service is telling us to donate . and not returning it , its not cooling please dnt buy or else you will b stuck with defective unit .

1 out of 1 found this review helpful

We appreciate your review, Desi. We wish this product would have worked out for you. Our Customer Solutions team will remain in contact with you about this.

**WebstaurantStore Customer Solutions**

**Rashid H. from Gyro Kitchen Express**

Posted on 01/27/2023

✓ Verified Purchase



**Color:** Black

**Hinge Location:** Right Hinged

Avantco GDC-23-HC 28 3/8" Black Swing Glass Door Merchandiser Refrigerator with LED Lighting, This refrigerator is good for small places and works good. Only two issue which I notice and its annoying (Wheels does not grip the floor, second when its starts it have very loud noise and first I start worried that it might be damage but after reading other people review find out the noise issue.

1 out of 1 found this review helpful

Thank you for your review, Rashid! We are sorry this product has not worked well for you. A Customer Solutions Representative will contact you soon!

**WebstaurantStore Customer Solutions**

**Soua X.**

Posted on 06/01/2022

✓ Verified Purchase



**Color:** Black

**Hinge Location:** Right Hinged

I love this fridge and work very well. Delivery was on time. No damage on product. Delivery men is very helpful to go to the back of the garage for more easy access.

1 out of 1 found this review helpful

**Edward A. from Thirsty Quaker LLC**

Posted on 06/05/2021

✓ Verified Purchase



**Color:** Black

**Hinge Location:** Right Hinged

This fridge is excellent BUT I wish the power switch was more protected. It would be nice if it came with hard covers that could be secured with a screw or key, because I've multiple times had new employees accidentally turn off the entire fridge instead of the lights!

1 out of 1 found this review helpful

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**Panasonic®**

**Owner's Manual**  
**Airfry/Convection/Broil/Microwave Oven**  
**Household Use Only**  
**Model No. NN-CV88QS**



**NN-CV88QS**

**Scan this code for product registration**



**PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE USING THIS PRODUCT,  
AND SAVE THIS MANUAL FOR FUTURE USE.**

**To register your product and for all other assistance, please contact us via the web at:**  
<http://shop.panasonic.com/support> (U.S.A Only)

**For microwave oven safety reference, please visit the FDA's web page at:**  
<http://www.fda.gov/radiation-emittingproducts/resourcesforyourradiationemittingproducts/ucm252762.htm>

**Para obtener instrucciones en español, por favor visite la página web en:**  
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## IMPORTANT SAFETY INSTRUCTIONS



### Your safety and the safety of others are very important.

We have provided important safety messages in this manual and on your appliance. Always read and obey all safety messages.

This is the safety alert symbol. It is used to alert you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER", "WARNING" or "CAUTION". These words mean:



### DANGER

You can be killed or seriously injured if you don't immediately follow instructions.



### WARNING

You can be killed or seriously injured if you don't follow instructions.



### CAUTION

You can be exposed to a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.



## 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 defeat or tamper with the safety interlocks.
- (b) **DO NOT** place any object between the oven front face and the door, or 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.

## Thank you for purchasing a Panasonic Microwave Oven

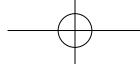
Your microwave oven is a cooking appliance and you should use as much care as you use with a stove or any other cooking appliance. When using this electric appliance, basic safety precautions should be followed, including the following:



### WARNING

**To reduce the risk of burns, electric shock, fire, injury to persons, or exposure to excessive microwave energy:**

1. Read all instructions before using this appliance.
2. Read and follow the specific "**PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY**," above.
3. This appliance must be grounded. Connect only to a properly grounded outlet. See "**GROUNDING INSTRUCTIONS**" found on pages 6-7.
4. As with any cooking appliance, **DO NOT** leave oven unattended while in use.
5. Install or locate this appliance only in accordance with the installation instructions found on pages 6-7.
6. **DO NOT** cover or block any openings on this appliance.
7. **DO NOT** store this appliance outdoors. **DO NOT** use this product near water (for example, near a kitchen sink, in a wet basement, or near a swimming pool or similar locations).
8. Use this appliance only for its intended use as described in this manual. **DO NOT** use corrosive chemicals, vapors or non-food products in this appliance. This type of oven is specifically designed to heat or cook food. It is not designed for industrial or laboratory use. The use of corrosive chemicals in heating or cleaning will damage the appliance and may result in radiation leaks.



## IMPORTANT SAFETY INSTRUCTIONS (continued)

9. When cleaning surfaces of the door and oven that come together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth.
10. **DO NOT** allow children to use this appliance, unless closely supervised by an adult. **DO NOT** assume that because a child has mastered one cooking skill he/she can cook everything.
11. **HOT CONTENTS CAN CAUSE SEVERE BURNS. DO NOT ALLOW CHILDREN TO USE THE MICROWAVE.** Use caution when removing hot items.
12. **DO NOT** operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
13. **DO NOT** immerse cord or plug in water.
14. Keep cord away from heated surfaces.
15. **DO NOT** let cord hang over edge of a table or counter.
16. This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service center for examination, repair or adjustment.
17. Some products such as whole eggs, with or without shell, narrow neck bottles and sealed containers (for example, closed glass jars) may explode and should not be heated in this oven.
18. To reduce the risk of fire in the oven cavity:
  - (a) **DO NOT** overcook food. Carefully attend appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
  - (b) Remove wire twist-ties from paper or plastic bags before placing bag in oven.
  - (c) **If material inside the oven ignites, 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 purposes. **DO NOT leave paper products, cooking utensils or food in the cavity when not in use.**
19. **Superheated Liquids:** Liquids, such as water, coffee or tea are able to be overheated beyond the boiling point without showing evidence (or signs) of boiling. Visible bubbling is not always present when the container is removed from the microwave oven. **THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A UTENSIL IS INSERTED INTO THE LIQUID.** To reduce the risk of injury to persons:
  - (a) **STIR THE LIQUID BOTH BEFORE AND HALFWAY THROUGH HEATING.**
  - (b) **DO NOT heat water and oil, or fats together. The film of oil will trap steam, and may cause a violent eruption.**
  - (c) **DO NOT** use straight-sided containers with narrow necks.
  - (d) After heating, allow the container to stand in the microwave oven for a short time before removing the container.
20. **DO NOT** cook directly on the glass tray. It can crack, and cause injury or damage to the oven.
21. For the oven designed for installation into a wall cabinet:
  - (a) **DO NOT** operate any heating or cooking appliance beneath this appliance.
  - (b) **DO NOT** mount unit over or near any portion of a heating or cooking appliance.
  - (c) **DO NOT** mount over a sink.
  - (d) **DO NOT** store anything directly on the top of the appliance surface when the appliance is in operation.
22. Oversized foods or oversized metal utensils should not be used in a microwave/broiler oven as they may create a fire or risk of electric shock.
23. **DO NOT** clean with metal scouring pads. Pieces can burn off the pad and touch electrical parts involving a risk of electric shock.
24. **DO NOT** use paper products when appliance is operated in the broil mode.
25. **DO NOT** store any materials, other than manufacturer's recommended accessories in this oven when not in use.
26. **DO NOT** cover racks or any other part of the oven with metal foil. This will cause overheating of the oven.

**Attention: Hot Surfaces**



## SAVE THESE INSTRUCTIONS

For proper use of your oven, read remaining safety cautions and owner's manual.

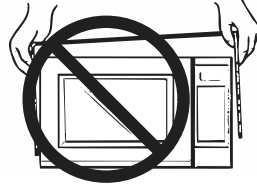


## IMPORTANT SAFETY INSTRUCTIONS (continued)

### WARNING

#### TO AVOID THE RISK OF SHOCK:

**DO NOT** remove top or outer panel from oven. Repairs must be done only by a qualified service person.

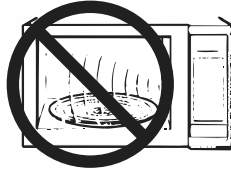


#### TO REDUCE THE RISK OF EXPOSURE TO MICROWAVE ENERGY:

**DO NOT** tamper with, or make any adjustments or repairs to Door, Control Panel Frame, Safety Interlock Switches, or any other part of the oven. Microwave leakage may result.

#### TO AVOID THE RISK OF ARCING DAMAGE OR FIRE:

- DO NOT** operate the microwave oven empty, **cook small food portions unattended**, or use metal containers. When using the microwave oven without water or food, **or cook too small a serving**, microwave energy cannot be absorbed and will continuously reflect throughout the cavity. This will cause arcing and damage the oven cavity, door or other components.
- DO NOT** store flammable materials next to, on top of, or in the oven.
- DO NOT** dry clothes, newspapers or other materials in the oven, or use newspaper or paper bags for cooking.
- DO NOT** hit or strike Control Panel. Damage to controls may occur.
- DO NOT** use recycled paper products unless the paper product is labeled as safe for microwave oven use. Recycled paper products may contain impurities, which may cause sparking.



#### TO AVOID THE RISK OF SCALDING AND BURNING:

POT HOLDERS should always be used when removing items from the oven. Heat is transferred from the HOT food to the cooking container and from the container to the Glass Tray. The Glass Tray can also be very HOT after removing the cooking container from the oven. The wire rack is designed for use in the Convection, Broil, Airfry and Combo modes, and will be hot after use.



**Care in handling the Wire Rack, Magic Pot, Enamel Tray and Airfry Basket must be exercised.**

## Safety Precautions

### Glass Tray

- DO NOT** operate the oven without the Roller Ring and the Glass Tray in place.
- DO NOT** operate the oven without the Glass Tray fully engaged on the drive hub. Improper cooking or damage to the oven could result. Verify that the Glass Tray is properly engaged and rotating by observing its rotation when you press **Start**.  
**Note:** The Glass Tray can turn in either direction.
- Use only the Glass Tray specifically designed for this oven. **DO NOT** substitute any other Glass Tray.
- If the Glass Tray is hot, allow to cool before cleaning or placing in water.
- DO NOT** cook directly on the Glass Tray. Always place food in a microwave safe dish, or on a rack set in a microwave safe dish.
- If food or utensil on the Glass Tray touches oven walls, causing the tray to stop moving, the tray will automatically rotate in the opposite direction.

### Roller Ring

- The Roller Ring and oven floor should be cleaned frequently to prevent excessive noise.
- Always replace the Roller Ring and the Glass Tray in their proper positions.
- The Roller Ring must always be used for cooking along with the Glass Tray.

### Important

It is essential for the safe operation of the oven that it is kept clean and wiped out after each use. 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.

- When using the **Airfry, Broil, Convection** or cooking in the **Combo** mode, some foods may inevitably splatter grease on to the oven walls. If the oven is not cleaned, occasionally it may start to "smoke" during use. These marks will be more difficult to clean later.
- After **Airfry, Broil, Convection** and **Combo** cooking the ceiling and walls of the oven should be cleaned with a soft cloth squeezed in soapy water. Particular care should be taken to keep the window area clean particularly after cooking by **Airfry, Broil, Convection** and **Combo**. Stubborn spots inside the oven can be removed by using a small amount of microwave oven cleaner sprayed onto a soft damp cloth. Wipe onto problem spots, leave for recommended time and then wipe off. This method can not be used to clean the oven door. **DO NOT SPRAY DIRECTLY INSIDE THE OVEN.** A steam cleaner is not to be used for cleaning.
- Do not use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface, which may result in shattering of the glass.
- When it becomes necessary to replace the oven light, please consult the service center specified by Panasonic.



## IMPORTANT SAFETY INSTRUCTIONS (continued)

### FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



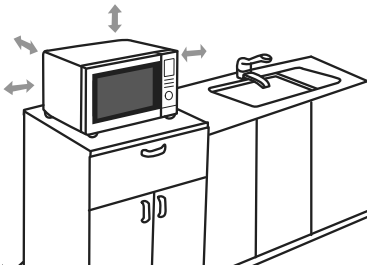
## Installation and Grounding Instructions

### Examine Your Oven

Unpack oven, remove all packing material and examine the oven for any damage such as dents, broken door latches or cracks in the door. Notify dealer immediately if oven is damaged. **DO NOT** install if oven is damaged.

### Placement of Oven

1. The oven must be placed on a flat, stable surface, which is more than 36 inches (91.6 cm) height from the ground. Place the front surface of the door 3 inches (7.6 cm) or more from the counter top edge to avoid accidental tipping of the microwave oven during normal use. For proper operation, the oven must have sufficient air flow. **Allow 6 inches (15 cm) of space on the top of the oven, 4 inches (10 cm) at back and 2 inches (5 cm) on both sides. If one side of the oven is placed flush to a wall, the other side or top must not be blocked. Do not remove feet.**
  - (a) **DO NOT** block air vents. If they are blocked during operation, the oven may overheat and be damaged.
  - (b) **DO NOT** place oven near a hot, damp surface such as a gas or electric range, or dishwasher.
  - (c) **DO NOT** operate oven when room humidity is excessive.
2. This oven is manufactured for household use only. It is not approved or tested for mobile vehicle, marine, or commercial use.



### WARNING: IMPROPER USE OF THE GROUNDING PLUG CAN RESULT IN A RISK OF ELECTRIC SHOCK.

Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded. If it is necessary to use an extension cord, use only a three-wire extension cord that has a three-prong polarized grounding plug, and a three-slot receptacle that will accept the plug of the appliance. The marked rating of the extension cord should be equal to or greater than the electrical rating of the appliance.

### Grounding Instructions

#### THIS APPLIANCE MUST BE GROUNDED.

In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance 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.

- **Plug into properly installed and grounded three-prong outlet.**
- **DO NOT** remove ground prong.
- **DO NOT** use an adapter.

### Installation

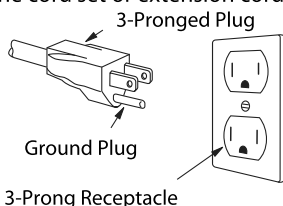
1. **DO NOT** block air vents. If they are blocked during operation, the oven may overheat. If the oven overheats, a thermal safety device will turn the oven off. The oven will remain inoperable until it has cooled.
2. The oven is designed for installation into a wall cabinet by using the proper trim kit available from a local Panasonic dealer, follow all instructions packed with the kit.



## Installation and Grounding Instructions (continued)

### Power Supply

1. A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
2. The use of long cord sets, or extension cords, is not recommended.
3. If a long cord or extension cord is used,
  - (1) The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
  - (2) The extension cord must be a grounding-type 3-wire cord, and
  - (3) The longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over accidentally.



### Wiring Requirements

1. The oven must be operated on a SEPARATE CIRCUIT. No other appliance should share the circuit with the microwave oven. If it does, the branch circuit fuse may blow or the circuit breaker may trip.
2. The oven must be plugged into at least a 20 A, 120 V, 60 Hz GROUNDED OUTLET. Where a standard two-prong outlet is encountered, it is the personal responsibility and obligation of the consumer to have it replaced with a properly grounded three-prong outlet.
3. The VOLTAGE used must be the same as specified on this microwave oven (120 V, 60 Hz). Using a higher voltage is dangerous and may result in a fire or oven damage. Using a lower voltage will cause slow cooking. Panasonic is NOT responsible for any damages resulting from the use of the oven with any voltage other than specified.

### TV / RADIO / WIRELESS EQUIPMENT INTERFERENCE

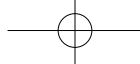
This product has been tested and found to comply with the limits for Microwave Oven, pursuant to Part 18 of the FCC Rules. This product can radiate radio frequency energy, which could cause interference to such products as radio, TV, baby monitor, cordless phone, Bluetooth, wireless router, etc., which can be confirmed by turning this product off and on. If present, the user is encouraged to try to correct by taking one or more of the following countermeasures:

- (1) Increase the spacing distance between the microwave oven and other product receiving the interference.
- (2) If possible, use a properly installed receiver antenna and/or reorient the receiving antenna of the other product receiving the interference.
- (3) Plug the microwave oven into a different outlet from the other product receiving the interference.
- (4) Clean door and sealing surfaces of the oven. (See Care and Cleaning of Your Microwave Oven)

### Fan Motor Operation

After using the oven, the fan may continue to operate to cool the electric components and "COOLING" appears and "F" rotates in the display window. You can take out the food from the oven while the fan operates. It is recommended to keep the oven plugged in until the Fan Motor completely stops operating.

After using **Convection Bake** mode, you might open the door of the oven to accelerate the cool down process and shorten the time of the fan running.



## Food Preparation

Follow these Safety Precautions when cooking in your oven.

### IMPORTANT

**Proper cooking depends upon the power, the time setting and quantity of food. If you use a smaller portion than recommended but cook at the time for the recommended portion, fire could result.**

#### 1) HOME CANNING / STERILIZING / DRYING FOODS / SMALL QUANTITIES OF FOODS

- **DO NOT** use your oven for home canning. Your oven cannot maintain the food at the proper canning temperature. The food may be contaminated and then spoil.
- **DO NOT** use the microwave oven to sterilize objects (baby bottles, etc.). It is difficult to keep the oven at the high temperature needed for sterilization.
- **DO NOT** dry meats, herbs, fruits or vegetables in your oven. Small quantities of food or foods with low moisture content can dry out, scorch or catch on fire if overheated.
- **DO NOT** prepare small food portions at high power. This can cause energy concentration at a fixed spot, which can lead to arcing and damage to your oven. Select a lower cook power setting when preparing small portions.

#### 2) POPCORN

**Popcorn may be popped in a microwave oven corn popper.**

**Microwave popcorn that pops in its own package is also available. Follow popcorn manufacturers' directions and use a brand suitable for the cooking power of your microwave oven.**

**CAUTION: When using pre-packaged microwave popcorn, you can follow recommended package instructions or use the Popcorn menu (refer to page 40). Otherwise, the popcorn may not pop adequately or may ignite and cause a fire. Never leave the oven unattended when popping popcorn. Allow the popcorn bag to cool before opening, and always open the bag facing away from your face and body to prevent steam burns.**



#### 3) DEEP FAT FRYING

- **DO NOT** deep fat fry in your microwave oven. Cooking oils may burst into flames and may cause damage to the oven and may result in burns. Microwave utensils may not withstand the temperature of the hot oil, and can shatter or melt.

#### 4) FOODS WITH NONPOROUS SKINS

- **DO NOT COOK / REHEAT WHOLE EGGS, WITH OR WITHOUT THE SHELL.**

Steam buildup in whole eggs may cause them to explode, and possibly damage the oven or cause injury. Reheating SLICED hard-boiled eggs and cooking SCRAMBLED eggs is safe.



- **Potatoes, apples, whole squash and sausages** are examples of foods with nonporous skins. These types of foods must be pierced before microwave cooking to prevent them from exploding.

**CAUTION: Cooking dry or old potatoes can cause fire.**



#### 5) GLASS TRAY / COOKING CONTAINERS / FOIL

- Cooking containers get hot during microwaving. Heat is transferred from the HOT food to the container and the Glass Tray. Use pot holders when removing containers from the oven or when removing lids or plastic wrap covers from cooking containers, to avoid burns.
- The Glass Tray will get hot during cooking. It should be allowed to cool before handling or before paper products, such as paper plates or microwave popcorn bags, are placed in the oven for microwave cooking.
- When using foil in the oven, allow at least 1-inch (2.5 cm) of space between foil and interior oven walls or door.
- Dishes with metallic trim should not be used, as arcing may occur.

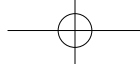
#### 6) PAPER TOWELS / CLOTHS

- **DO NOT** use paper towels or cloths that contain a synthetic fiber woven into them. The synthetic fiber may cause the towel to ignite. Use paper toweling under supervision.

#### 7) BROWNING DISHES / OVEN COOKING BAGS

- Browning dishes or grills are designed for microwave cooking only. Always follow instructions provided by the manufacturer. **DO NOT** preheat browning dish more than six minutes.
- If an oven cooking bag is used for microwave cooking, prepare according to package directions. **DO NOT** use a wire twist-tie to close bag. Instead use plastic ties, cotton string or a strip cut from the open end of the bag.





## Food Preparation (continued)

### 8) THERMOMETERS

- **DO NOT** use a conventional meat thermometer in your oven. Arcing may occur. Microwave safe thermometers are available for both meat and candy.



### 9) BABY FORMULA / BABY FOOD

- **DO NOT** heat baby formula or baby food in the microwave oven. The glass jar or surface of the food may appear warm while the interior can be so hot as to burn the infant's mouth and esophagus.



### 10) REHEATING PASTRY PRODUCTS

- When reheating pastry products, check temperatures of any fillings before eating. Some foods have fillings, which heat faster and can be extremely hot, while the surface remains warm to the touch (for example, jelly donuts).

### 11) GENERAL OVEN USAGE GUIDELINES

- **DO NOT** use the oven for any purpose other than the preparation of food. This oven is specifically designed to heat or cook food. **DO NOT** use this oven to heat chemicals or other non-food products.
- Before use, check that utensils/containers are suitable for use in microwave ovens.
- **DO NOT** attempt to use this microwave oven to dry newspaper, clothing or any other materials. They may catch fire.
- When the oven is not being used, **DO NOT** store any objects other than oven accessories inside the oven in case it is accidentally turned on.
- The appliance shall not be operated by Microwave or Combo **WITHOUT FOOD IN THE OVEN**.  
Operation in this manner may damage the appliance.
- If smoke or a fire occurs in the oven, press the **Stop/Reset** button and leave the door closed in order to extinguish the flames. Disconnect the power cord, or shut off power at the fuse.
- Extreme caution must be used when moving hot liquids.
- When handling cooking containers take care not to let the contents spill.
- Avoid hot steam, serious burns and scalds could result.
- To prevent injury, do not allow anyone to lean, hang, sit or place heavy items on the open door of the appliance.  
Severe personal injury could result.
- Do not use a steam cleaner to clean this appliance. The steam from the cleaning appliance could penetrate live components and permanently damage the oven or cause injury.
- The use of accessories not recommended by Panasonic may cause injury.

### 12) HEATER OPERATION

- Exterior oven surfaces, including air vents on the cabinet and the oven door will get hot during Airfry, Convection, Combo or Broil functions. To prevent burns, take care when opening or closing the door and when inserting or removing food and accessories.
- The oven has heaters situated in the top of the oven. During and after using either the Airfry, Convection, Combo or Broil functions, all inside surfaces of the oven will be very hot. To prevent burns, care should be taken to avoid touching the inside surfaces of the oven.
- **TO AVOID THE RISK OF SCALDING**, please use caution when touching accessible parts when oven is operated in Convection, Combo or Broil mode, because the accessible parts may become extremely hot.

### 13) BEFORE USING YOUR OVEN

- Before using the oven for the first time, wipe excessive oil off in the oven cavity and operate the oven without food and accessories on Convection at 425 °F (220 °C), for 10 minutes. This will allow the oil that is **used for rust protection to be burned off. This is the only time the oven is used empty.** (with the exception of preheating on Convection.)

## Cookware and Utensil Chart

|                                              | Microwave | Broil | Convection | Airfry | Combo                          |                                     |
|----------------------------------------------|-----------|-------|------------|--------|--------------------------------|-------------------------------------|
|                                              |           |       |            |        | Combo 1<br>(Broil + Microwave) | Combo 2<br>(Convection + Microwave) |
| <b>Aluminium foil</b>                        | no        | yes   | yes        | no     | no                             | no                                  |
| <b>Ceramic plate</b>                         | yes       | yes   | yes        | no     | yes                            | yes                                 |
| <b>Browning dish</b>                         | yes       | no    | no         | no     | no                             | no                                  |
| <b>Brown paper bags</b>                      | no        | no    | no         | no     | no                             | no                                  |
| <b>Dinnerware</b><br>oven/microwave safe     | yes       | yes   | yes        | no     | yes                            | yes                                 |
| non-oven/microwave safe                      | no        | no    | no         | no     | no                             | no                                  |
| <b>Disposable<br/>paperboard containers</b>  | yes*      | yes*  | yes*       | no     | yes*                           | yes*                                |
| <b>Glassware</b><br>oven glassware & ceramic | yes       | yes   | yes        | no     | yes                            | yes                                 |
| non-heat resistant                           | no        | no    | no         | no     | no                             | no                                  |
| <b>Metal cookware</b>                        | no        | yes   | yes        | no     | no                             | no                                  |
| <b>Metal twist-ties</b>                      | no        | yes   | yes        | no     | no                             | no                                  |
| <b>Oven cooking bag</b>                      | yes       | yes*  | yes*       | no     | yes                            | yes                                 |
| <b>Paper towels and napkins</b>              | yes       | no    | no         | no     | no                             | no                                  |
| <b>Plastic defrosting rack</b>               | yes       | no    | no         | no     | no                             | no                                  |
| <b>Plastic dishes</b><br>microwave safe      | yes       | no    | no         | no     | no                             | no                                  |
| non microwave safe                           | no        | no    | no         | no     | no                             | no                                  |
| <b>Microwave safe plastic wrap</b>           | yes       | no    | no         | no     | no                             | no                                  |
| <b>Straw, wicker, wood</b>                   | yes       | no    | no         | no     | no                             | no                                  |
| <b>Thermometers</b><br>microwave safe        | yes       | no    | no         | no     | no                             | no                                  |
| conventional                                 | no        | yes   | yes        | no     | no                             | no                                  |
| <b>Waxed paper</b>                           | yes       | yes   | no         | no     | yes                            | no                                  |
| <b>Silicon bakeware</b>                      | yes*      | yes*  | yes*       | no     | yes*                           | yes*                                |

\* Check manufacturers' recommendation, must withstand heat or follow the recipe instructions.

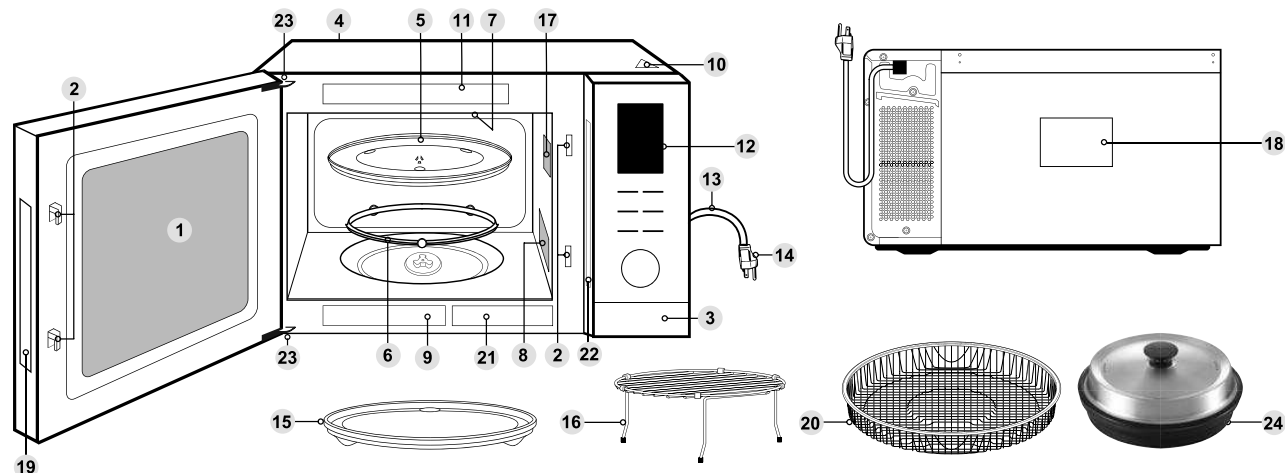
### CONTAINER TEST

**TO TEST A CONTAINER FOR SAFE MICROWAVE OVEN USE:** Fill a microwave safe cup with cool water and place it in the microwave oven along side the empty container to be tested; **heat one (1) minute at 1000 W (HIGH)**. If the container is microwave oven safe (transparent to microwave energy), the empty container should remain comfortably cool and the water should be hot. If the container is hot, it has absorbed some microwave energy and should NOT be used. This test cannot be used for plastic containers.





## Location of Controls



### ① Oven Window

### ② Door Safety Lock System

### ③ Door Release Button

Push to open the door. Opening the door during cooking will stop the cooking process without cancelling the program. Cook resumes as soon as the door is closed and Start is pressed. It is quite safe to open the door at any time during a cooking program and there is no risk of Microwave exposure.

### ④ External oven air vents

### ⑤ Glass Tray

- DO NOT** operate the oven without the roller ring and glass tray in place.
- Only use the glass tray specifically designed for this oven. Do not substitute any other glass tray.
- If the glass tray is hot, allow to cool before cleaning or placing in water.
- DO NOT** cook directly on the glass tray. Always place food on a microwave-safe dish, or on a rack set in a microwave-safe dish.
- If food or utensil on the glass tray touches oven walls, causing the tray to stop moving, the tray will automatically rotate in the opposite direction. This is normal.
- Glass tray can rotate in either direction.
- Always place the container on the center of glass tray when cooking.

### ⑥ Roller Ring

- Roller ring should be cleaned regularly to avoid excessive noise.
- Roller ring and glass tray should be used at the same time.

### ⑦ Broil and Convection Heater

### ⑧ Waveguide Cover (do not remove)

### ⑨ Menu Label

### ⑩ Caution Symbol (hot surfaces)

### ⑪ Warning Label

### ⑫ Control Panel

### ⑬ Power Supply Cord

### ⑭ Power Supply Plug

### ⑮ Enamel Tray

- The enamel tray is for cooking on Airfry, Broil, Convection and Combo. Do not use enamel tray in Microwave mode only.

- The enamel tray must always be in place on the glass tray (unless stated).

- Take it out with thermal insulation gloves after use. To avoid scalding, do not touch it with your hands.

### ⑯ Wire Rack (with spacers)

- A wire rack is included with the oven in order to facilitate browning of small dishes.
- Wire rack should be cleaned regularly.
- When using wire rack in the manual Airfry, Broil, Convection and Combo cooking modes, be careful to choose heat-proof containers; containers made of plastic or paper may melt or burn when exposed to the heat radiating from the Broil.
- When using the Combo mode, never place any aluminum or metal container directly on wire rack. Always insert a glass plate or dish between wire rack and the aluminum container. This will prevent sparking that may damage the oven.
- Do not use wire rack when cooking in the MICROWAVE mode only.
- Spacers: Do not remove when cooking.

### ⑰ Oven Light

Oven Light will turn on during cooking and also when door is opened.

### ⑱ Warning Label

### ⑲ DHHS Label

### ⑳ Airfry Basket

The Airfry Basket is for Airfry function.

The Airfry Basket must always be in place on the wire rack on Enamel tray, and glass tray (unless stated).

### ㉑ Warning Label

### ㉒ Identification Plate

### ㉓ Door hinges

To prevent injury when opening or closing the door, keep fingers away from the door hinges.

### ㉔ Magic Pot (see pages 12-14 for proper usage)

### Notes:

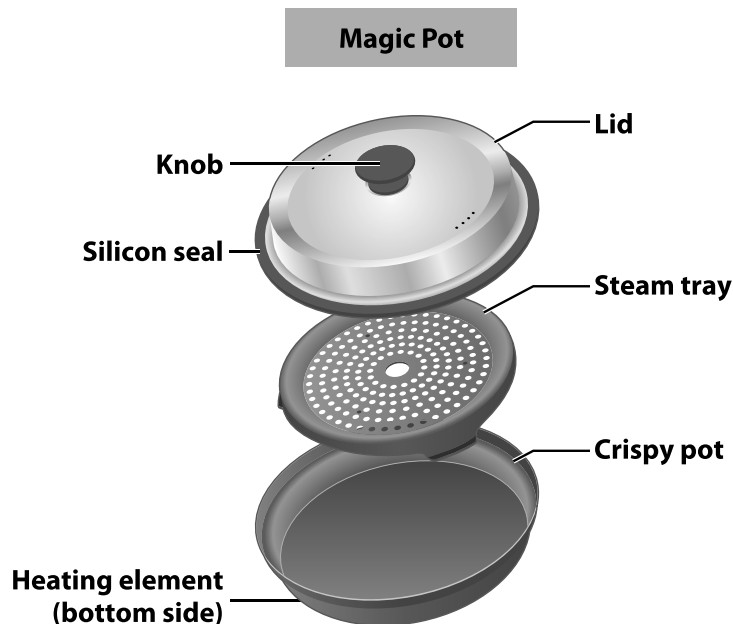
- The above illustration is for reference only.
- The glass tray, magic pot, wire rack, enamel tray and airfry basket are the only accessories with this oven. All other cooking utensils mentioned in this manual must be purchased separately.
- You can paste the provided label which was put with this manual on the oven door or on the top of the oven.

## Oven Accessories

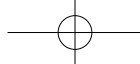
The following chart shows correct use of the accessories in the oven.

|            |                                     | Glass Tray                                                                        | Enamel Tray                                                                       | Wire Rack                                                                          | Airfry Basket                                                                       | Magic Pot                                                                           |
|------------|-------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Mode       |                                     |  |  |  |  |  |
| Microwave  |                                     | YES                                                                               | NO                                                                                | NO                                                                                 | NO                                                                                  | YES                                                                                 |
| Broil      |                                     | YES                                                                               | YES                                                                               | YES                                                                                | NO                                                                                  | YES*                                                                                |
| Airfry     |                                     | YES                                                                               | YES                                                                               | YES                                                                                | YES                                                                                 | NO                                                                                  |
| Convection |                                     | YES                                                                               | YES                                                                               | YES                                                                                | NO                                                                                  | NO                                                                                  |
| Combo      | Combo 1<br>(Broil + Microwave)      | YES                                                                               | YES                                                                               | YES                                                                                | NO                                                                                  | YES*                                                                                |
|            | Combo 2<br>(Convection + Microwave) | YES                                                                               | YES                                                                               | YES                                                                                | NO                                                                                  | YES*                                                                                |

\* Only Crispy Pot



The illustration is for reference only.



## Oven Accessories (continued)

### Magic Pot



### Important Safety Instructions

#### Caution:

- The Magic Pot is specially designed for this oven. Using in other microwave ovens may cause sparking, melting or other problems.
- The lid will be hot after cooking. To prevent personal injury, use oven mitts when handling the lid or any part of the Magic Pot.
- To avoid personal injury, do not open the lid while your face is close to the Magic Pot.

#### Notes:

- Always use the crispy pot on the glass tray. Do not use with the wire rack in microwave mode or combination modes which microwave existed.
- For crisping grill mode, do not preheat the crispy pot for more than 3 minutes.
- Always place the crispy pot in the center of the glass tray and ensure it does not touch the wall of the oven cavity. Failure to do so, may cause sparking which would damage the cavity.
- Do not place any heat-sensitive materials on the hot crispy pot in combination broil and microwave. Only microwave mode (High power is recommended) can be used for preheating the crispy pot.
- The black silicon seal may be removed for cleaning. Always re-position before use to prevent sparking.

#### User Instructions:

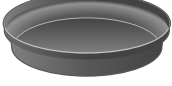
- Although the lid and crispy pot are metal, if placed in the center of the glass tray, they can be used safely. Putting in center is to keep the good cooking condition, including microwave power absorbing, and heater radiation. Do not use the Magic Pot in any other microwave ovens and do not use in conventional ovens.
- To use the Magic Pot, the crispy pot, steam tray and lid are used together (see next page for proper usage).
- The steam tray is placed inside the crispy pot with the lid on top. Food is placed on the steam tray.
- Always add 5 fl.oz (or specified in recipes) tap water in the base of the crispy pot before using steam menu.
- The Magic Pot must only be used in microwave mode. When using the crispy pot alone as crispy grill, it can be used in broil or combination modes.
- The crispy pot and lid can be used together (without the steam tray) for pan sear or simmer functions (see next page for proper usage).
- To avoid melting under high temperature, do not use the steam tray or lid in broil or combination modes.
- Ensure all food packaging is remove before cooking.

#### Care of the Magic Pot:

- Never cut pizza, quiche or any other foods directly in the crispy pot as this will damage the non-stick surface.
- After use, wash the Magic Pot in hot soapy water and rinse in hot water. Do not use any abrasive clearing substances or scouring pads as this will damage the surface of the crispy pot.

## Oven Accessories (continued)

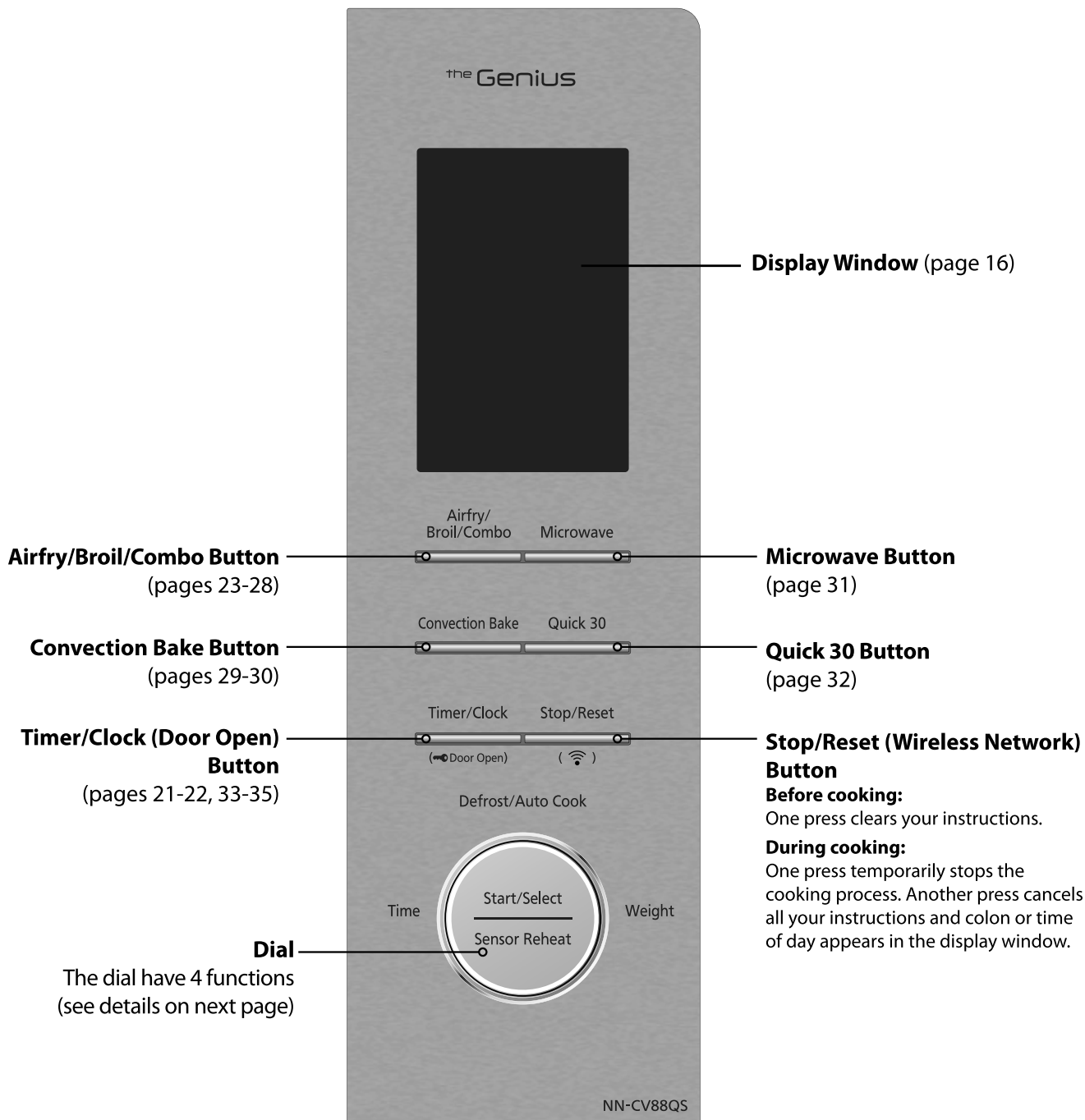
### Using the Magic Pot

| Function              | Accessory to Use                                                                                                                 | Concept                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Instructions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pan Sear</b>       | Crispy pot and lid<br>                          | The crispy pot is used together with the lid. Suitable foods such as, fish fillets, chicken pieces, burgers are placed directly on the crispy pot. The food is cooked from the heat of the base of the pan. The bottom side of the food will be brown and crisp.                                                                                                                                                                                                                                                                                                      | Place the food directly on the crispy pot, cover with the lid and place on the glass tray. If required, turn or rearrange the food during cooking. Please refer to cooking chart on recipe book.<br>*For some recipes, preheating the crispy pot before cooking can get more crispy result. Follow the instructions on recipe book.                                                                                                                                                                                                                                                                    |
| <b>Simmer</b>         | Crispy pot and lid<br>                          | The crispy pot is used together with the lid. It is suitable for simmering risotto, seafood pot, meat or vegetable stews or soups. The food is cooked from the heat of the base of the pan.                                                                                                                                                                                                                                                                                                                                                                           | Place the food directly in the crispy pot, cover with the lid and place on the glass tray. It is not necessary to pre-heat. If required, stir during cooking. Please refer to recipes on recipe books.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Steam</b>          | Magic Pot (Crispy pot, steam tray and lid)<br> | The Magic Pot is suitable for steaming vegetables, potatoes, fish fillets, whole fish, and chicken breasts. Microwaves are absorbed by the base of the crispy pot which heats the water inside. This creates steam which cooks the food.                                                                                                                                                                                                                                                                                                                              | Pour 5 fl.oz (or specified in recipes) tap water into the crispy pot and place the steam tray inside. Place food directly on the steam tray. Cover with lid and place directly on the glass tray. Please refer to cooking chart on recipe book.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Crisping Grill</b> | Crispy pot<br>                                | Some foods cooked by microwave can have soft and soggy crusts. The crispy pot accessory will brown and crisp pizzas, quiches, pies, breaded products just as a conventional oven. The crispy pot works in three ways: heating the crispy pot by absorbing microwaves, heating the food directly by microwaves and heating the food from the broiling heater. The base of the crispy pot absorbs the microwaves and transfers them into heat. Then the heat is conducted through the crispy pot to the food. The heating effect is maximized by the non-stick surface. | For best results, pre-heat the crispy pot before cooking. Place directly on the glass tray and pre-heat on Microwave High power for 3 minutes. To assist browning, brush the pan with oil before preheating for items such as sausages and breaded products. Remove the crispy pot from the oven and place the food in the crispy pot. Use oven mitts as the crispy pot will be very hot. For best results, it is important that the food is placed on the crispy pot immediately after pre-heating. Performance cannot be guaranteed with a time delay. Please refer to cooking chart on recipe book. |

#### Caution:

When removing food from the microwave oven, be sure to use oven mitts. Contents will be very hot.

## Control Panel



### Beep Sound:

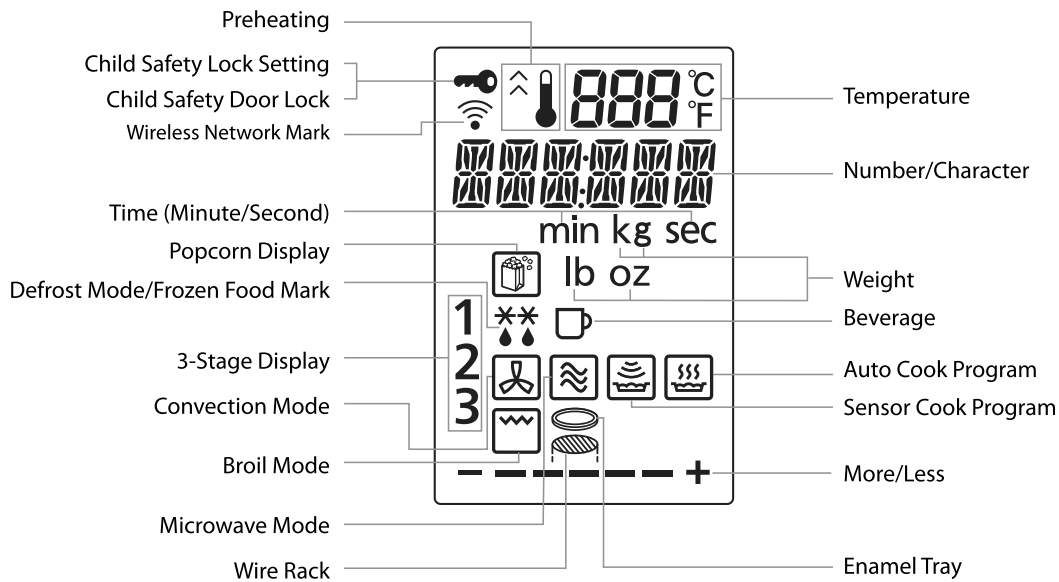
When a Button is pressed correctly, a beep sound will be heard. If a Button is pressed and no beep is heard, the unit did not or could not accept the instruction. The oven will beep twice between programmed stages. The oven will beep three times after preheating. At the end of any completed program, the oven will beep 5 times.

### Note:

If an operation (except "One Push Reheating") is set and **Start** is not pressed, after 6 minutes, the oven will automatically cancel the operation. This display will revert back to clock or colon mode.

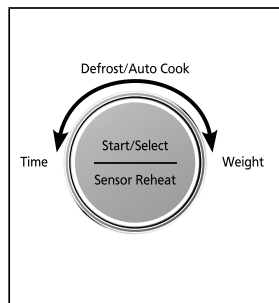
## Display Window

To help you operate the oven conveniently, the present state will appear in the display window.



Note: When cooking time is longer than 60 minutes, the time will appear in hours and minutes.

## Dial Feature



### ① Time (Cooking time)

After selecting a manual cooking mode, enter time by turning the dial. Use the dial for the Add Time function (page 36).

### ② Defrost/Auto Cook (Defrost, Auto/Sensor Cook, Steam Clean)

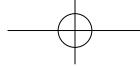
- When clock mode is displayed, turn the dial to select auto programs and weight (pages 39-47).
- Steam Clean: This Program is to clean the cavity and remove any food odour from the microwave oven (page 48).

### ③ Start/Select (Confirmation)

Press the dial to start operating the oven or confirm the setting. If during cooking the door is opened or Stop/Reset is pressed once, Start has to be pressed again to continue cooking.

### ④ Sensor Reheat (One Push Reheating)

When Clock mode is displayed, press dial for quick start reheating chilled meal (page 38).



## Setting Up Panasonic Kitchen+ App On Your Microwave Oven

Install the latest version of Panasonic Kitchen+ App on your smart device and login with your account.

When this product is powered on for the first time, the Wireless Network module will automatically enter the network configuration mode.

The  on the display will start flashing. Users can open the mobile app and follow the prompts to configure the network.

Alternatively, you can enter the Wireless Network function mode by long-pressing the cancel button.

Mode 1\*: Start network configuration.

Mode 2: Disconnect Wireless Network.

Mode 3\*: Reset Wireless Network. Start network configuration when network did not successfully connected after plugged in.

\* If you don't connect wireless network from app,  will stop blinking after an hour.

After entering the Wireless Network function mode, use the dial to select from Mode 1 to Mode 3. After selection, press the start button to execute the corresponding function.

Ensure that home wireless network is on.

Add your microwave oven in Panasonic Kitchen+ App.

Select the wireless network and follow the on-screen instructions to set up your microwave oven.

When  on LED display stop blinking and is solid, set up is complete.

### Turning Off the Wireless Network Function

1. While in standby mode, press and hold the  button for 2 seconds. The display will show "1.SETUP CONNECT".
2. Turn the knob one position to the right. The display will show "2.DISCONNECT WIRELESS NETWORK".
3. Press the Start/Select button to disable the Wireless Network function. The display will show "SUCCESS".
4. Press the  button to exit the settings.

### How to reset the Wireless Network Function

1. While in standby mode, press and hold the  button for 2 seconds. The display will show "1.SETUP CONNECT".
2. Turn the knob two positions to the right. The display will show "3.RESET WIRELESS NETWORK".
3. Press the Start/Select button to reset the Wireless Network function. The display will show "SUCCESS".

## About Open Source Software

This product incorporates the following software:

- (1) the software developed independently by or for Panasonic Corporation,
- (2) the software owned by third party and licensed to Panasonic Corporation,
- (3) the software licensed under the GNU General Public License, Version 2.0 (GPL V2.0).
- (4) open source software other than the software licensed under the GPL V2.0.

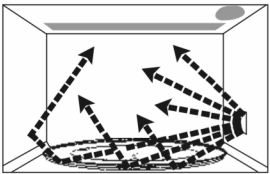
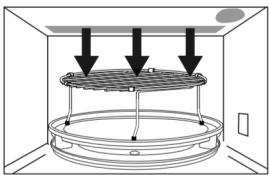
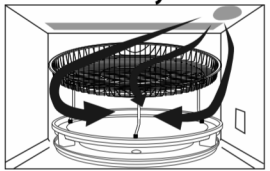
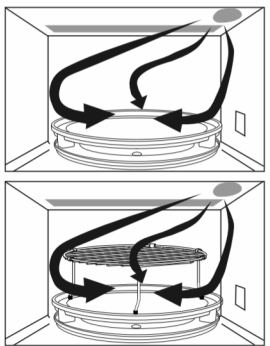
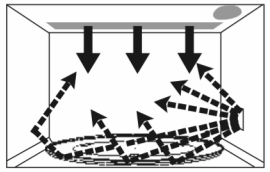
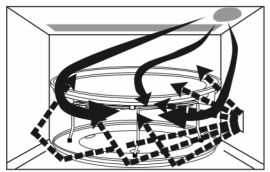
The software categorized as (3) - (4) are distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

At least three (3) years from delivery of this product, Panasonic will give to any third party who contacts us at the contact information provided below, for a charge no more than our cost of physically performing source code distribution, a complete machine-readable copy of the corresponding source code covered under GPL V2.0 or the other licenses with the obligation to do so, as well as the respective copyright notice thereof.

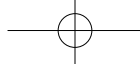
Contact Information: [oss-request@cn.panasonic.com](mailto:oss-request@cn.panasonic.com)

## Cooking Modes

The diagrams shown below are examples of the accessories. It may vary depending on recipe/dish used.

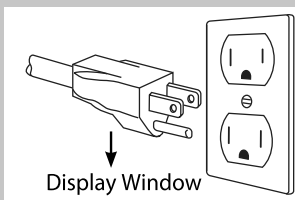
| Cooking modes                                                                                                                  | Uses                                                                                                                                                                                                                                                                                                                                                                                                                                   | Recommended accessories                 | Containers                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Microwave</b><br>                          | <ul style="list-style-type: none"> <li>■ Defrosting</li> <li>■ Reheating</li> <li>■ Melting: butter, chocolate, cheese.</li> <li>■ Cooking: fish, vegetables, fruits, eggs, rice and porridge.</li> <li>■ Simmering: soup, stew, casseroles, double boiled</li> <li>■ Preparing: stewed fruits, jam, sauces, custards, choux, pastry, caramel, meat, fish.</li> <li>■ Keep warming cooked food.</li> </ul> <p><b>No Preheating</b></p> | -                                       | <p>Use your own microwaveable dishes, plates or bowls.</p> <p><b>No metal.</b></p>                                |
| <b>Broil</b><br>                              | <ul style="list-style-type: none"> <li>■ Broiling of chicken pieces or seafood.</li> <li>■ Toast broiling.</li> <li>■ Colouring of gratin dishes, meat pie or meringue pies.</li> </ul> <p><b>No Preheating</b></p>                                                                                                                                                                                                                    | Wire rack on enamel tray                | Use heatproof dishes, plates or bowls.                                                                            |
| <b>Airfry</b><br>                            | <ul style="list-style-type: none"> <li>■ Baking french fries.</li> <li>■ Baking steak, pork chops, hamburgers.</li> <li>■ Baking frozen breaded foods.</li> </ul> <p><b>No Preheating</b></p>                                                                                                                                                                                                                                          | Airfry basket + wire rack + enamel tray | Put the food on the airfry basket directly.                                                                       |
| <b>Convection</b><br>                       | <ul style="list-style-type: none"> <li>■ Baking of small pastry items with short cooking times: puff, pastry, cookies, choux, short pastry, roll cakes.</li> <li>■ Special roasting: steak, big joint lamb, whole chicken.</li> <li>■ Baking of pizzas and tarts.</li> </ul> <p><b>Preheating advised</b></p>                                                                                                                          | Enamel tray or Wire rack                | <p>Heatproof, metal tin can be used on enamel tray.</p> <p><b>Do not place dishes directly on glass tray.</b></p> |
| <b>Combo 1 (Broil + Microwave)</b><br>      | <ul style="list-style-type: none"> <li>■ Cooking casserole dishes: potato casserole, seafood casserole, beef casserole.</li> </ul> <p><b>No Preheating</b></p>                                                                                                                                                                                                                                                                         | -                                       | <p>Microwaveable casserole dishes without lids, directly on glass tray.</p> <p><b>No metal.</b></p>               |
| <b>Combo 2 (Convection + Microwave)</b><br> | <ul style="list-style-type: none"> <li>■ Baking frozen foods: frozen chicken nuggets, frozen pizza, frozen chicken wings.</li> </ul> <p><b>No preheating</b></p>                                                                                                                                                                                                                                                                       | Enamel tray on wire rack                | <p>Put the frozen foods directly on the enamel tray on wire rack.</p> <p><b>No metal.</b></p>                     |





## Operation

### Using the Microwave for the First Time



WELCOME

Plug into a properly grounded electrical outlet. **"WELCOME TO PANASONIC REFER TO OWNER'S MANUAL BEFORE USE"** scrolls across display window.

### Function Features

This unique function of your Panasonic microwave oven allows you to establish the initial non-cooking features of your Oven.

This microwave oven has the functions below:

- **WEIGHT/TEMPERATURE UNITS CHOICE**
- **LANGUAGE CHOICE**
- **BEEP CHOICE**

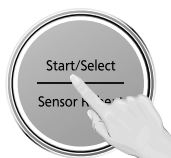
**Plug into a properly grounded electrical outlet.**

#### NOTES:

1. These choices can be selected only when you plug-in the oven.
2. Press **Stop/Reset**, it will revert to initial mode (" : ").
3. After setting, it will revert back to Weight/Temperature Units Choice setting if **Start** is pressed again, press **Stop/Reset** to exit.

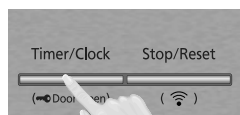
**WEIGHT/TEMPERATURE UNITS CHOICE:** The oven has a choice of Metric Units or Imperial Units display.

1



Press **Start (Dial)** once. **"LB-F/KG-C"** scrolls across display window.

2



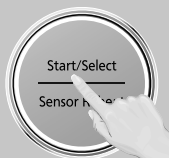
Select the **"LB-F"** or **"KG-C"** by pressing **Timer/Clock**. The default weight unit is LB-F.

3

After setting, press **Stop/Reset** to exit.

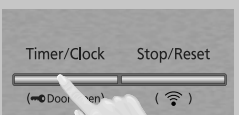
**LANGUAGE CHOICE:** The oven has a choice of English, French or Spanish display.

1



Press **Start (Dial)** twice. **"LANGUAGE"** scrolls across display window. The default language is English.

2



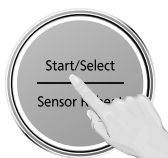
| Press "Timer/Clock" | Display Language |
|---------------------|------------------|
| Once                | French           |
| Twice               | Spanish          |
| 3 times             | English          |

3

After setting, press **Stop/Reset** to exit.

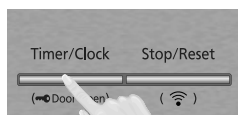
**BEEP CHOICE:** The oven has both Beep On and Beep Off mode.

1



Press **Start (Dial)** 3 times. **"BEEP ON/OFF"** scrolls across display window. The default mode is Beep **ON**.

2



Press **Timer/Clock** once. The mode changes to Beep **OFF**.

3

After setting, press **Stop/Reset** to exit.

## Operation (continued)

### Demo Mode

**1** When "**DEMO MODE PRESS ANY KEY**" or "**D**" appears in the display window, it means the oven is under demonstration mode, microwave does not emit. Demo mode is designed for retail store display. In this mode, the oven can be demonstrated with no cooking power in the oven.

#### NOTES:

1. To set Demo Mode, repeat step 1-3.
2. Default mode is Demo Mode off.

**2**

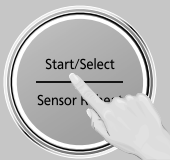
#### To cancel:

Press **Microwave** once, **Start** 4 times and **Stop/Reset** 4 times.

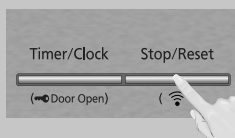
#### Step 1.



#### Step 2.



#### Step 3.



### Menu Action ON/OFF

This feature helps you to program your oven by prompting the next step to be taken. When you become familiar with your oven, the prompt can be turned off. This feature can be selected when colon or clock appears in the display window.

#### To turn ON/OFF:



Press **Timer/Clock** 4 times to turn Menu Action ON/OFF. The default setting is **Menu Action ON**.

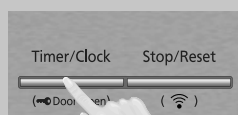
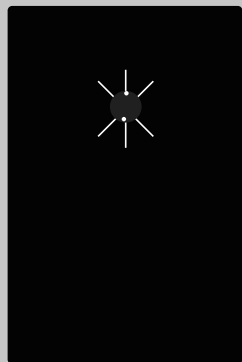
#### NOTES:

This function only can be operated when word prompt turns on.

## Operation (continued)

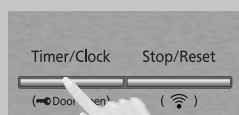
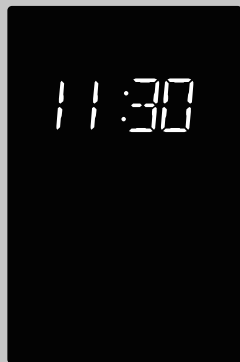
### Setting the Clock

1



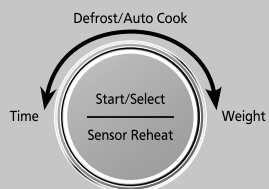
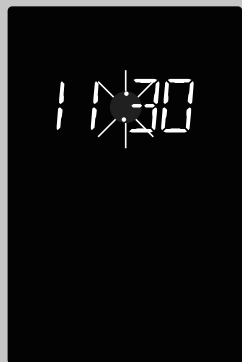
With the oven **NOT** cooking, press **Timer/Clock** twice; the colon will blink.

3



Press **Timer/Clock** to finish setting and the colon (:) will stop blinking.

2



Set time of day by turning dial. Time appears in the display window; colon continues flashing.

#### NOTES:

1. To reset the clock, repeat steps.
2. The clock will retain the time of day as long as the oven is plugged in and electricity is supplied.
3. The clock is a 12-hour display.
4. Oven will not operate while colon (:) is flashing.

### Setting the Child Safety Lock

1

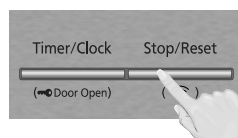
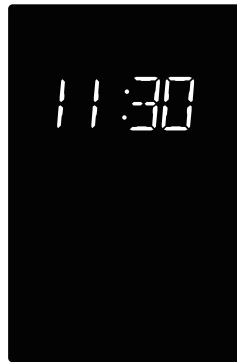


When the colon or time of day appears in the display, press **Stop/Reset** three times; "🔑" will appear in the display.

#### NOTES:

1. This feature prevents the electronic operation of the oven until cancelled. It does not lock the door.
2. To set or cancel Child Safety Lock, **Stop/Reset** button must be pressed 3 times within 10 seconds.
3. You can set Child Safety Lock feature when the display shows a colon or time of day.

2



Press **Stop/Reset** three times; the display will return to the colon or time of the day and Child Safety Lock will be cancelled.

## Operation (continued)

### Setting the Child Safety Door Lock

Your microwave is equipped with an electronic child-safety function, to be more precise: the door lock function, which enables the oven door to be "locked" so that children or anyone unfamiliar with it cannot operate it accidentally. Distinguishing from that of child safety lock, the door lock does not lock access to the microwave function, it simply prevents burning by opening the door accidentally. Specifically, the electronic child-safety door lock is activated or deactivated through specific buttons on the control panel.

When plugged in, the door lock is automatically activated as soon as cooking starts. The window flashes "🔒" to indicate that the oven is locked. Follow below sequences to unlock the door, which must be finished within 10 seconds. If there is not any operation within 30 minutes from the end of cooking, the door would be unlocked automatically.

#### • To unlock the oven during or after cooking:



Press the "Timer/Clock" button once.

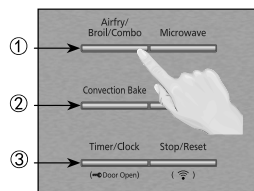
**2** Press door release button, the oven door is now unlocked. Open the door and take out the food with special care.

#### NOTE:

At the end of cooking, by default, the oven will enter into "Add Time" mode, if you prefer to add additional time after checking the food, rotate the knob to set time directly, be sure to perform add time function within 1 minute. Refer to page 36 for "Add Time" function.

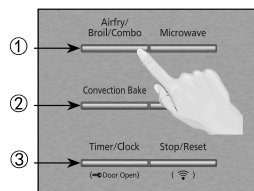
Simply leave the door lock feature disengaged if you don't need it temporarily, or follow the instruction to reactivate, the function setting should be under the circumstance that the oven door is unlocked and function setting must be finished within 10 seconds.

#### • To deactivate:



Press **Airfry/Broil/Combo - Convection Bake - Timer/Clock** in sequence, the window will scroll across "OFF", the door lock function is now invalid.

#### • To reactivate:



Press **Airfry/Broil/Combo - Convection Bake - Timer/Clock** in sequence, the window will scroll across "ON" or replug the oven, both ways can reactivate the function.

#### Note:

You can deactivate/reactivate the Child Safety Door Lock feature when the display shows a "colon" or time of day.

## Operation (continued)

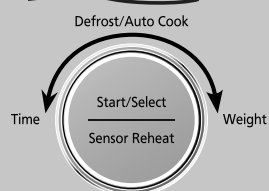
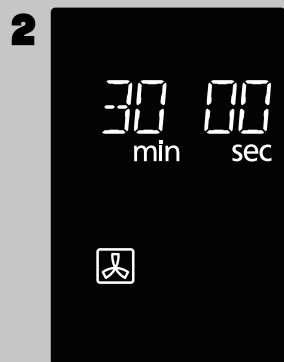
### Airfry

The Airfry function combines intense heat and maximized airflow to cook food crispy and brown.



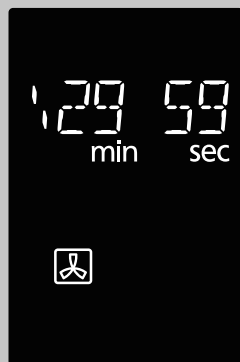
Press **Airfry/Broil/Combo** button until the desired temperature appears in the display window.

| Press   | Temperature     |
|---------|-----------------|
| once    | 425 °F (220 °C) |
| twice   | 410 °F (210 °C) |
| 3 times | 400 °F (200 °C) |



Set desired cooking time by turning dial (up to 9 hours).

3



Press dial to **Start**, the cooking will start and the time will count down in the display. At the end of cooking, five beeps will sound.

### Oven accessories to use

Airfry basket on wire rack on enamel tray



### NOTES:

1. Ensure to use the proper accessories. Put the food on the Airfry Basket on the Wire Rack on the Enamel Tray for dripping oil. **DO NOT** remove the spacer on the Wire Rack.
2. Arrange food evenly in the Airfry Basket. For best results, place food in a single layer and leave space between pieces. For large amount of food, stir or rearrange the food several times during cooking.
3. When the selected cooking time is less than one hour, the time counts down second by second.
4. When the selected cooking time is over one hour, the time counts down minute by minute until only "1H 00" (1 hour) remains. The display then indicates minutes and seconds and counts down second by second.

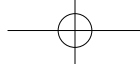
### CAUTION:

Food, accessories and the surrounding oven will get very hot. Use oven mitts.

## Operation (continued)

### Airfry Chart

| Food    |                                                            | Weight range                  | Temp.           | Recommended time (minute) | Hints                                                       |
|---------|------------------------------------------------------------|-------------------------------|-----------------|---------------------------|-------------------------------------------------------------|
| Frozen  | Thin frozen fries                                          | 8 - 16 oz.<br>(225 - 450 g)   | 425 °F (220 °C) | 20-30                     | stir at $\frac{2}{3}$ of total time for over 16 oz. (450 g) |
|         |                                                            | 16 - 32 oz.<br>(450 - 900 g)  | 425 °F (220 °C) | 30-40                     |                                                             |
|         | Thick frozen fries/<br>Frozen potato steak<br>fries/wedges | 16 - 32 oz.<br>(450 - 900 g)  | 425 °F (220 °C) | 25-30                     | stir at $\frac{2}{3}$ of total time for over 16 oz. (450 g) |
|         | Frozen potato steak<br>fries/wedges                        | 16 - 32 oz.<br>(450 - 900 g)  | 425 °F (220 °C) | 25-30                     | stir at $\frac{2}{3}$ of total time for over 16 oz. (450 g) |
|         | Frozen cheese sticks                                       | 16 - 42 oz.<br>(450 - 1200 g) | 425 °F (220 °C) | 16-20                     | -                                                           |
|         | Frozen chicken<br>nuggets                                  | 16 - 40 oz.<br>(450 - 1100 g) | 425 °F (220 °C) | 20-30                     | stir at $\frac{2}{3}$ of total time for over 16 oz. (450 g) |
|         | Frozen fish sticks                                         | 16 - 42 oz.<br>(450 - 1200 g) | 425 °F (220 °C) | 20-30                     | stir at $\frac{2}{3}$ of total time for over 16 oz. (450 g) |
|         | breaded chicken<br>fillets                                 | 11 - 18 oz.<br>(310 - 500 g)  | 410 °F (210 °C) | 23-27                     | Turn over at $\frac{2}{3}$ of total time.                   |
| Chilled | Spring rolls                                               | 10 - 16 oz.<br>(280 - 450 g)  | 410 °F (210 °C) | 15-18                     | Brush oil. Turn over at $\frac{2}{3}$ of total time.        |



## Operation (continued)

### Airfry Chart

| Food  |                                          | Weight range                           | Temp.           | Recommended time (minute) | Hints                                                                                                                                |
|-------|------------------------------------------|----------------------------------------|-----------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Fresh | Breaded prawn                            | 7 - 9 oz. (200 - 250 g)                | 400 °F (200 °C) | 14-16                     | Coat the shrimp with egg ,then cover with a mixture of breadcrumbs and oil. Turn over at $\frac{2}{3}$ of total time.                |
|       | Prawn                                    | 12 - 18 oz. (340 - 500 g)              | 400 °F (200 °C) | 18-22                     | Seasoned with oil, salt &black pepper. Turn over at $\frac{1}{2}$ of total time.                                                     |
|       | Whole fish                               | 11 - 16 oz. (310 - 450 g)              | 410 °F (210 °C) | 20-24                     | Seasoned with oil, salt &black pepper,cut the fish in half and put on aluminum foil or baking sheet.                                 |
|       | Potatoes                                 | 18 - 32 oz. (500 - 900 g)              | 410 °F (210 °C) | 25-30                     | Seasoned with oil, salt &black pepper. Turn over/stir at $\frac{1}{2}$ of total time.                                                |
|       | Cauliflower                              | 11 - 18 oz. (310 - 500 g)              | 400 °F (200 °C) | 22-26                     | Seasoned with oil, salt black pepper &chili powder. Turn over/stir at $\frac{2}{3}$ of total time.                                   |
|       | Brussel sprouts                          | 11 - 18 oz. (310 - 500 g)              | 400 °F (200 °C) | 20-24                     | Seasoned with oil, salt &black pepper. Turn over/stir at $\frac{2}{3}$ of total time.                                                |
|       | Asparagus                                | 7 - 11 oz. (200 - 310 g)               | 400 °F (200 °C) | 12-16                     | Seasoned with oil, salt &black pepper. Turn over/stir at $\frac{2}{3}$ of total time.                                                |
|       | carrot                                   | 18 - 28 oz. (500 - 780 g)              | 400 °F (200 °C) | 20-25                     | Seasoned with oil, salt &black pepper. Turn over/stir at $\frac{1}{2}$ of total time.                                                |
|       | mushroom                                 | 12 - 18 oz. (340 - 500 g)              | 400 °F (200 °C) | 16-20                     | Seasoned with oil, salt &black pepper.                                                                                               |
|       | Homemade fries                           | 16 - 32 oz. (450 - 900 g)              | 425 °F (220 °C) | 30-40                     | soak in cold water for 1 hour in the refrigerator, dry and mix with oil, stir at $\frac{2}{3}$ of total time for over 16 oz. (450 g) |
|       | Steak ( $\frac{1}{2}$ inch of thickness) | 2 - 4 pcs (12 - 24 oz.) (340 - 670 g)  | 425 °F (220 °C) | 16-18                     | seasoned, turn over at $\frac{2}{3}$ of total time                                                                                   |
|       | Pork chops                               | 2 - 6 pcs (8 - 24 oz.) (225 - 670 g)   | 425 °F (220 °C) | 20-30                     | seasoned, turn over at $\frac{2}{3}$ of total time                                                                                   |
|       | Hamburger                                | 2 - 4 pcs (10 - 20 oz.) (280 - 560 g)  | 425 °F (220 °C) | 16-20                     | seasoned, turn over at $\frac{2}{3}$ of total time                                                                                   |
|       | Chicken wings                            | 16 - 36 oz. (450 - 1000 g)             | 425 °F (220 °C) | 25-30                     | seasoned, turn over at $\frac{2}{3}$ of total time                                                                                   |
|       | Drumsticks                               | 4 - 8 pcs (16 - 42 oz.) (450 - 1200 g) | 425 °F (220 °C) | 35-40                     | seasoned, turn over at $\frac{2}{3}$ of total time                                                                                   |
|       | Chicken breast                           | 2 - 4 pcs (12 - 24 oz.) (340 - 670 g)  | 425 °F (220 °C) | 25-30                     | seasoned, turn over at $\frac{2}{3}$ of total time                                                                                   |
|       | Fish fillets                             | 2 - 4 pcs (8 - 16 oz.) (225 - 450 g)   | 425 °F (220 °C) | 20-25                     | seasoned, less than 1 $\frac{1}{2}$ inch of thickness                                                                                |

## Operation (continued)

### Broil

#### Directions for Broiling:

There are two power levels for Broil. When broiling, heat is radiated from heater. The Broil is especially suitable for thin slices of meat and seafood as well as bread and meals. Preheating isn't required before broiling. Select Broil setting, set the time and start the oven. The food being broiled should normally be turned over after half the broiling time. When the oven door is opened, the program is interrupted. Turn the food over, place it back the oven, close the door and restart oven. While broiling, the oven door can be opened at any time to check the food.

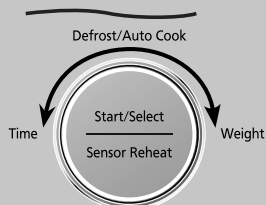
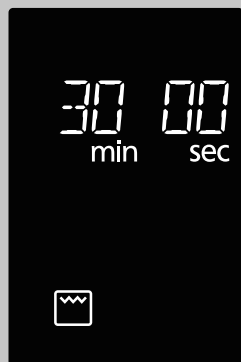
1



Press **Airfry/Broil/Combo** button until the desired power level appears in the display window.

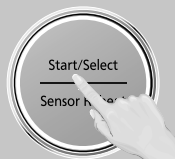
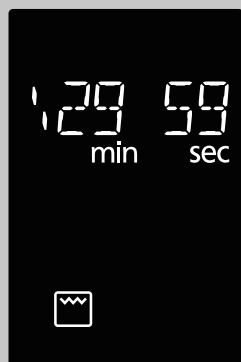
| Press   | Power level    |
|---------|----------------|
| 4 times | Broil 1 (High) |
| 5 times | Broil 2 (Low)  |

2



Set desired cooking time by turning dial (up to 1 hour and 30 minutes).

3



Press dial to **Start**, the cooking will start and the time will count down in the display. At the end of cooking, five beeps will sound.

#### Oven accessories to use

When broiling foods the glass tray should be in position, with the enamel tray and the wire rack on top.

Place food on wire rack on the enamel tray on the glass tray. The wire rack will allow fat to drip through into the enamel tray to reduce excess splatter and smoke when broiling steaks, chops and other fatty foods.

If broiling fish or small items, place the enamel tray on top of the wire rack.



#### NOTES:

1. There is no microwave power on the Broil only program.
2. Use the accessories provided, as explained.
3. The Broil will only operate with the oven door closed.
4. Do not preheat the broil.
5. Never cover the food when broiling.
6. After broiling it is important that the broil accessories are removed for cleaning before reuse and that the oven walls and floor are wiped with a cloth squeezed in hot soapy water to remove any grease.

#### CAUTION:

Food, accessories and the surrounding oven will get very hot. Use oven mitts.

#### Cooking Tips:

1. Most meat items e.g. sausages, chops can be cooked on the hottest setting - **Broil 1 (High)**. This setting is also suitable for toasting bread, muffins and teacakes etc.
2. **Broil 2 (Low)** used for more delicate foods or those that require a longer broil time e.g. fish or chicken portions.



## Operation (continued)

### Combo

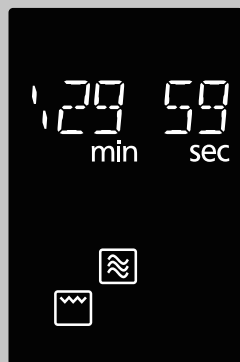
1



Press **Airfry/Broil/Combo** button until the desired power level appears in the display window.

| Press   | Power level                   |
|---------|-------------------------------|
| 6 times | <b>Combo 1 (Casserole)</b>    |
| 7 times | <b>Combo 2 (Frozen foods)</b> |

3

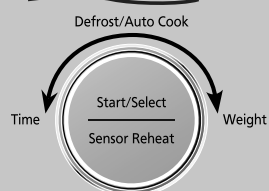
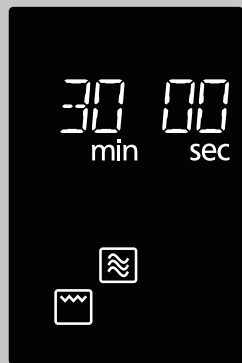


Press dial to **Start**; the cooking will start and the time will count down in the display. At the end of cooking, five beeps will sound.

#### CAUTION:

Food, accessories and the surrounding oven will get very hot. Use oven mitts.

2



Set desired cooking time by turning dial (up to 9 hours).

### Combo 1 (Casserole)

This function is suitable for cooking casserole dishes. The cooking power combines microwave and broil. Follow the recommended recipes and cooking time on the next page, use microwaveable dishes, and cook without lids. For other recipe of casserole, please set cooking time as you desired.

| Recipe                      | Weight                  | Recommended time (minute) | Hints                     |
|-----------------------------|-------------------------|---------------------------|---------------------------|
| Macaroni and Cheese         | 4-6 servings (3 quarts) | 25-30                     | stir at 1/2 of total time |
| Beef and Macaroni casserole | 4-6 servings (3 quarts) | 35-40                     | stir at 1/2 of total time |
| Potato Casserole            | 4-6 servings (3 quarts) | 35-40                     | stir at 1/2 of total time |
| Tuna Casserole              | 4-6 servings (3 quarts) | 30-35                     | stir at 1/2 of total time |

\* See casserole recipes on next page.

### Combo 2 (Frozen foods)

This function is suitable for baking frozen foods. The cooking power combines microwave and convection bake. Follow the chart as below, put the frozen foods directly on the enamel tray on the wire rack, turn over at recommended time.

For other Frozen foods, please set cooking as you desired.

| Recipe          | Weight          | Recommended time (minute) | Hints                          |
|-----------------|-----------------|---------------------------|--------------------------------|
| Chicken Wings   | 1.0 lb (450 g)  | 25-28                     | turn over at 2/3 of total time |
| French Fries    | 8 oz. (225 g)   | 18-20                     | -                              |
| Chicken Nuggets | 1.0 lb (450 g)  | 24-28                     | turn over at 2/3 of total time |
| Frozen Pizza    | 12 inch (30 cm) | 20-22                     | -                              |

#### NOTES:

- Food is usually cooked **uncovered**.
- The wire rack and enamel tray are designed to be used for Combo and broiling. Never attempt to use any other metal accessory except the one provided with the oven. Place the enamel tray underneath to catch any fat or drips.
- Do not use plastic **microwave** containers on Combo programs. Dishes must be able to withstand the heat of the top heater. Do not put dishes on wire rack directly under the heater, use the enamel tray.
- When the selected cooking time is less than one hour, the time counts down second by second.
- When the selected cooking time is over one hour, the time counts down minute by minute until only "1H 00" (1 hour) remains. The display then indicates minutes and seconds and counts down second by second.
- To turn food just press the door release, take out the enamel tray and wire rack, turn the food, return to the oven, close the door and press dial to Start. The oven will continue to count down the remaining cooking time.
- Foods should always be cooked until browned and piping hot.
- After cooking it is important that the accessories are removed for cleaning before re-use and that the oven walls and floor are wiped with a cloth squeezed in hot soapy water to remove any grease.

## Operation (continued)

### Casserole Recipes

#### Macaroni and cheese (4-6 servings)

|                 |                                           |
|-----------------|-------------------------------------------|
| 2½ tbsp. (40 g) | butter                                    |
| 1½ tbsp. (25 g) | chopped onion                             |
| ½               | clove minced garlic                       |
| 4 tbsp. (60 g)  | all-purpose flour                         |
| ⅔ tsp. (2.5 g)  | dry mustard                               |
| ⅔ tsp. (2.5 g)  | salt                                      |
| to taste        | ground black pepper                       |
| 1½ cups (375ml) | milk                                      |
| 1½ cups (300 g) | grated cheddar cheese                     |
| 5 oz. (140 g)   | (dry weight) macaroni, cooked and drained |
| 3 tbsp. (45 g)  | bread crumbs                              |
| ⅔ tsp. (2.5 g)  | paprika                                   |

In a 3-quart casserole dish, melt the butter for 20 seconds at 1000 W. Add onion and garlic, and cook for 1 minute at 1000 W. Stir in flour, mustard, salt and pepper, and gradually add the milk. Cook for 4-5 minutes at 1000 W until sauce thickens, stir once. Add the cheddar cheese and the macaroni into the sauce and stir well. Sprinkle the bread crumbs and paprika on the top of the dish. Cook uncovered at "Combo 1" for 25-30 minutes, let stand for 10 minutes.

#### Beef and Macaroni casserole (4-6 servings)

|                |                            |
|----------------|----------------------------|
| 8 oz. (225 g)  | lean ground beef           |
| ½              | small onion, chopped       |
| ¼              | green bell pepper, chopped |
| ½ cup (110 g)  | chopped celery             |
| 15 oz. (430 g) | can tomato sauce           |
| ⅔ cup (150 ml) | water                      |
| ½ cup (110 g)  | uncooked elbow macaroni    |
| ½ tsp. (2 g)   | parsley                    |
| ¼ tsp. (1 g)   | salt                       |
| to taste       | grounded black pepper      |
| ¼ cup (50 g)   | grated cheddar cheese      |

In a 3-quart casserole dish, combine all ingredients except cheese, mix well. Put the casserole dish on the glass tray and cook uncovered at "Combo 1" for 35-40 minutes. Stir occasionally during cooking. Sprinkle with cheese. Cover and let stand 5 minutes.

#### Potato casserole (4-6 servings)

|                |                              |
|----------------|------------------------------|
| 1½ lb. (750 g) | potatoes, peeled and sliced  |
| ½ cup (125 ml) | sour cream                   |
| ½ cup (125 ml) | milk                         |
| 3              | green onions, finely chopped |
| 1              | small onion, thinly sliced   |
| ¼ cup (50 g)   | parmesan cheese              |
| 2              | bacon slices, finely chopped |

In a 3-quart casserole dish, layer potatoes, sour cream and onions. Top with cheese and bacon. Pour milk on the top. Put the casserole dish on the glass tray and cook uncovered at "Combo 1" for 35-40 minutes. Stand, covered, 5-10 minutes before serving.

#### Tuna casserole (4-6 servings)

|                |                                      |
|----------------|--------------------------------------|
| 6½ oz. (180 g) | can tuna, drained and flaked         |
| 4 cups (1 L)   | pasta, cooked and drained            |
| 10 oz. (280 g) | can condensed cream of mushroom soup |
| 4 oz. (120 g)  | can of sliced mushrooms, drained     |
| 10 oz. (280 g) | package of frozen peas, defrosted    |
| ¾ cup (175 ml) | milk                                 |
| 2 tbsp. (25 g) | pimento, chopped                     |
| 1 cup (250 g)  | crushed potato chips                 |

In a 3-quart casserole dish, combine all ingredients except potato chips, mix well. Put the casserole dish on the glass tray and cook uncovered at "Combo 1" for 30-35 minutes. Stir occasionally during cooking. Top with potato chips. Stand, uncovered, 3-5 minutes.

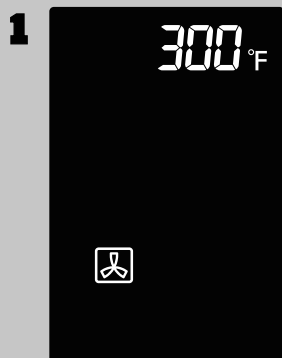
## Operation (continued)

### Convection Bake

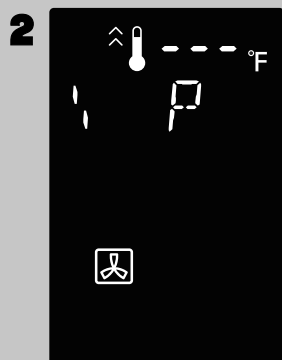
The oven can be used as a conventional oven using the Convection mode which incorporates a heating element with a fan. There is a choice of Convection temperatures 100 °F (40 °C) and 215 °F (100 °C) - 425 °F (220 °C). For quick selection of the most commonly used cooking temperatures, the oven starts at 300 °F (150 °C) and then for each press the temperature will count up in 18 °F (10 °C) stages to 425 °F (220 °C), then to, 100 °F (40 °C), 215 °F (100 °C), 230 °F (110 °C) etc. This feature provides 2 modes to select. For best results always place food in a preheated oven.

| Press    | Temperature     |
|----------|-----------------|
| once     | 300 °F (150 °C) |
| twice    | 325 °F (160 °C) |
| 3 times  | 340 °F (170 °C) |
| 4 times  | 350 °F (180 °C) |
| 5 times  | 375 °F (190 °C) |
| 6 times  | 400 °F (200 °C) |
| 7 times  | 410 °F (210 °C) |
| 8 times  | 425 °F (220 °C) |
| 9 times  | 100 °F (40 °C)  |
| 10 times | 215 °F (100 °C) |
| 11 times | 230 °F (110 °C) |
| 12 times | 250 °F (120 °C) |
| 13 times | 270 °F (130 °C) |
| 14 times | 285 °F (140 °C) |

#### With Preheating:

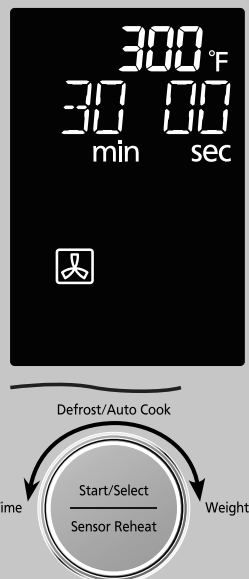


Press **Convection Bake** until the desired temperature appears in the display window.



Press dial to preheat. "PREHEAT" will scroll across display window once then a "P" will appear in the display window. When preheating is completed, the oven will beep and "P END" will display in the display window. Then open the door and place the food inside.\*

3



Set desired cooking time by turning dial (up to 9 hours).

4



Press dial to **Start**. The cooking time appears in the display window and begins to count down.

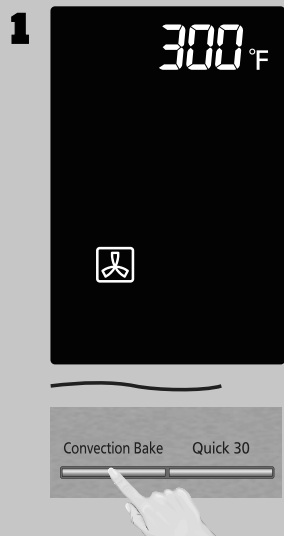
#### NOTES:

- \* Open the door using the door release button, because if the **Stop/Reset** button is pressed the program may be cancelled.
- When preheating, the screen displays the actual temperature of the oven cavity. The current temperature is not displayed until more than 215 °F (100 °C) is reached. To change the temperature during cooking, press the **Convection Bake** button.
- The oven will maintain the selected preheated temperature for approximately 30 minutes without the door opened. If no food has been placed inside the oven or a cooking time set, then it will beep 5 times and automatically cancel the cooking program and revert to colon or time of day.
- Once you open the door and Start is not pressed, after 6 minutes, the oven will automatically cancel the preheated program. This display will revert back to clock or colon mode.
- The oven cannot preheat to 100 °F (40 °C).

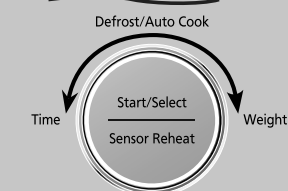
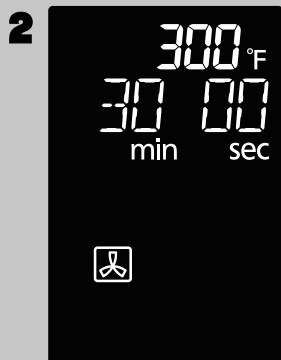
## Operation (continued)

### Convection Bake

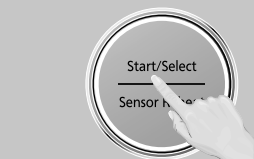
**Without Preheating:**  
(100 °F (40 °C) is available  
in Convection without  
preheating.)



Press **Convection Bake** until  
the desired temperature  
appears in the display window.



Set desired cooking time by  
turning dial. (up to 9 hours).



Press dial to **Start**.  
The cooking time appears in  
the display window and begins  
to count down.

#### NOTES:

1. When the selected cooking time is less than one hour, the time counts down second by second.
2. When the selected cooking time is over one hour, the time counts down minute by minute until only "1H 00" (1 hour) remains. The display then indicates minutes and seconds and counts down second by second.

#### Oven accessories to use

When using the Convection oven the glass tray should be in position and must have the enamel tray placed on top. The food is then placed onto the enamel tray. Follow your individual recipe guidelines. When using the oven as a Convection oven, there is NO MICROWAVE POWER, i.e. the oven is operating as a conventional oven and you can use all your standard metal baking tins and ovenware. It is not recommended to cook on more than one level when using the Convection oven. When cooking 2 trays of buns etc, cook in two batches.



#### CAUTION:

Food, accessories and the surrounding oven will get very hot. Use oven mitts.

## Operation (continued)

### Microwave

This feature allows you to set the desired power and time to cook food. Do not place food directly on the glass tray. Use microwave safe dishes, plates or bowls covered with a lid or pierced cling film.

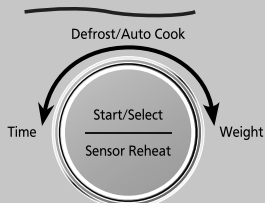
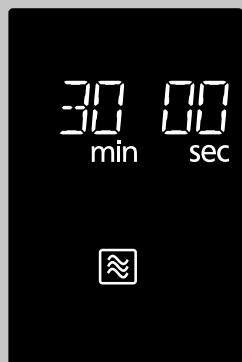
1



Press **Microwave** until the desired power level appears in the display. 1000 W is the highest and 100 W is the lowest.

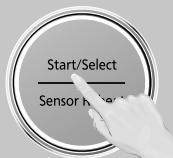
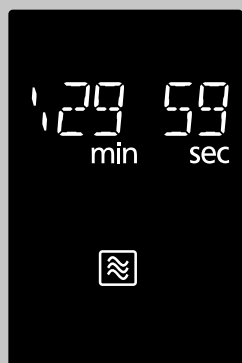
| Press   | Power level      |
|---------|------------------|
| once    | 1000 W (HIGH)    |
| twice   | 800 W (MED-HIGH) |
| 3 times | 600 W (MEDIUM)   |
| 4 times | 440 W (MED-LOW)  |
| 5 times | 300 W (DEFROST)  |
| 6 times | 100 W (LOW)      |
| 7 times | KEEP WARM        |

2



Set cooking time by turning dial. 1000 W and KEEP WARM have max. cooking time of 30 minutes. For other power levels, the max. time is 1 hour and 30 minutes.

3



Press dial to **Start**; the cooking will start and the time will count down in the display. At the end of cooking, five beeps will sound.

#### NOTES:

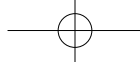
1. Opening the door and taking out the defrosted parts during the operating time is recommended. Turn over, stir or rearrange the parts which are still in icy.
2. When the selected cooking time is less than one hour, the time counts down second by second.
3. When the selected cooking time is over one hour, the time counts down minute by minute until only "1H 00" (1 hour) remains. The display then indicates minutes and seconds and counts down second by second.

#### DO NOT OVERCOOK:

This oven requires less time to cook than older units. Overcooking will cause food to dry out and may cause a fire. A microwave oven's cooking power tells you the amount of microwave power available for cooking.

#### Caution:

DO NOT defrost food at a high power setting. Doing so can cause energy concentration at a focused point, which can lead to arcing and damage to the oven. Use the "Defrost" function instead.



## Operation (continued)

### Keep Warm

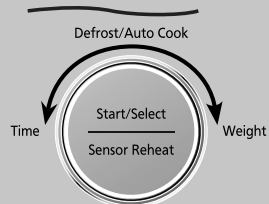
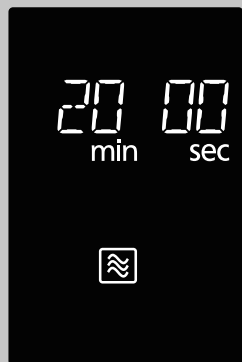
(Will keep "cooked" food warm for up to 30 minutes after cooking)

1



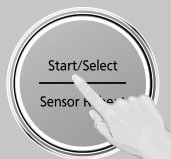
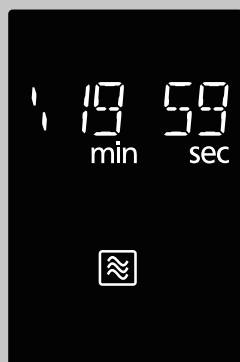
Press **Microwave** 7 times to select the KEEP WARM.

2



Set warming time by turning dial (up to 30 minutes). Set 20 minutes cooking for an example.

3



Press dial to **Start**, the cooking will start and the time will count down in the display. At the end of cooking, five beeps will sound.

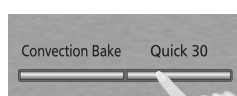
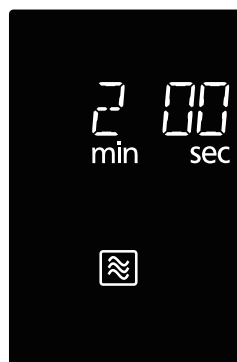
#### NOTES:

**KEEP WARM** can be set as the final stage after cook time has been manually entered. It cannot be used with auto programs (such as Defrost, Sensor Reheat, Auto/Sensor Cook and Steam Clean).

### Quick 30

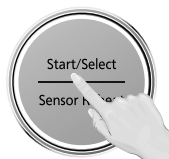
(Set or add cooking time in 30 seconds increments)

1



Press **Quick 30** until the desired cooking time (up to 5 minutes) appears in the display. Power level is pre-set at 1000 W.

2



Press dial to **Start**; the cooking will start and the time will count down in the display. At the end of cooking, five beeps will sound.

#### NOTES:

1. If desired, you can use other power levels. Select desired power level before pressing **Quick 30**.
2. After setting the time by **Quick 30** button, you cannot use the **Dial**.
3. **Quick 30** button can also be used to add more time during manual cooking.
4. It cannot be used with auto programs (such as Defrost, Sensor Reheat, Auto/Sensor Cook and Steam Clean).

## Operation (continued)

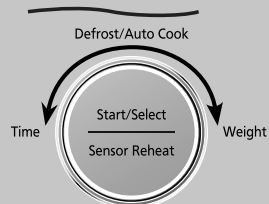
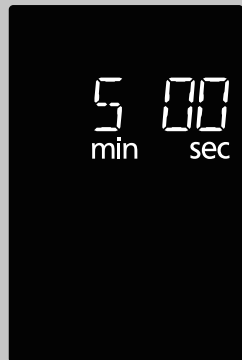
### Setting the Kitchen Timer

1



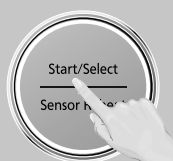
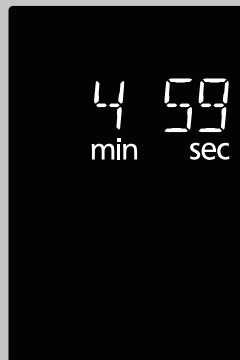
This feature allows you to program the oven as a kitchen timer. Press **Timer/Clock** once.

2



Set desired amount of kitchen time by turning dial (up to 1 hour and 30 minutes).

3



Press dial to **Start**. Time will count down without oven operating.

**Caution:** If oven lamp is lit while using the timer feature with door closed, the oven is **NOT** set properly; **STOP OVEN IMMEDIATELY** and re-read instructions.

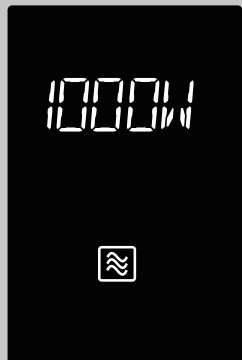
#### NOTES:

1. If the oven door is opened during Kitchen Timer, Standing Time, Delay Start, the time in the display window will continue to count down.
2. If the time exceeds one hour, it will count down in units of minutes. If less than one hour, the time will count down in units of seconds.
3. An "H" will appear in the display to denote hours.

## Operation (continued)

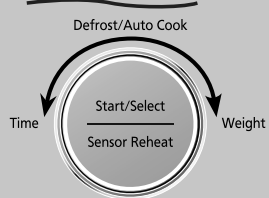
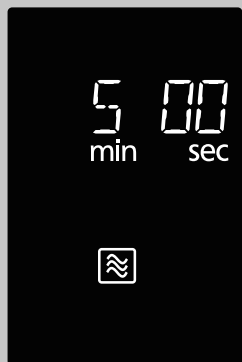
### Setting a Standing Time

1



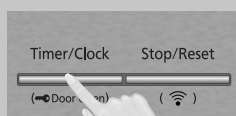
Some recipes call for a standing time after cooking. Press **Microwave** until the desired power level appears in the display. 1000 W is the highest and 100 W is the lowest.

2



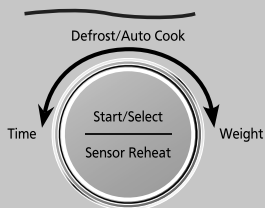
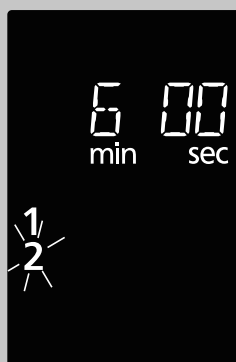
Set cooking time by turning dial (see previous page for maximum times).

3



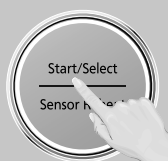
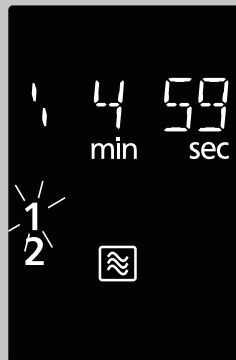
Press **Timer/Clock** once.

4



Set desired standing time by turning dial (up to 1 hour and 30 minutes).

5



Press dial to **Start**. Cooking will start. After cooking, standing time will count down without oven operating.

#### NOTES:

1. If the oven door is opened during Kitchen Timer, Standing Time, Delay Start, the time in the display window will continue to count down.
2. Standing Time and Delay Start can not be programmed together with auto programs (such as Defrost, Sensor Reheat, Auto/Sensor Cook and Steam Clean) and preheating. This is to prevent the starting temperature of food from rising before defrosting or cooking begins. A change in starting temperature could cause inaccurate results.
3. When using Standing Time or Delay Start, it is up to 2 power stages.
4. If the time exceeds one hour, it will count down in units of minutes. If less than one hour, the time will count down in units of seconds.
5. An "H" will appear in the display to denote hours.



## Operation (continued)

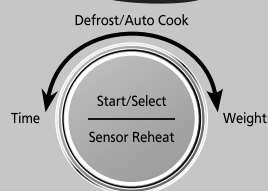
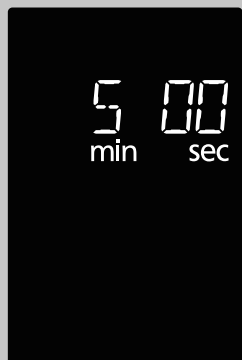
### Setting a Delayed Start

1



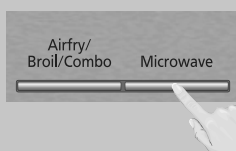
The start time can be delayed to start cooking at a later time. To do this, first press **Timer/Clock** once.

2



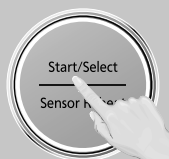
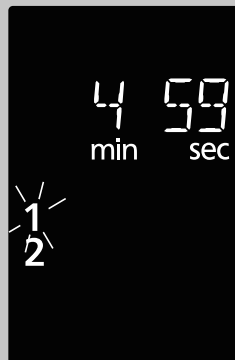
Set the desired delay time by turning dial (up to 1 hour and 30 minutes).

3



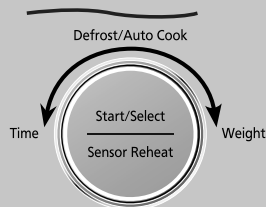
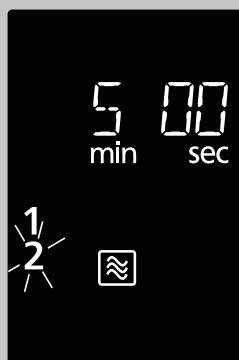
Press **Microwave** until the desired power level appears in the display. 1000 W is the highest and 100 W is the lowest.

5



Press dial to **Start**, the delay time will count down, then cooking will begin.

4



Set cooking time by turning dial (see previous page for maximum times).

### NOTES:

1. If the oven door is opened during Kitchen Timer, Standing Time, Delay Start, the time in the display window will continue to count down.
2. Standing Time and Delay Start can not be programmed together with auto programs (such as Defrost, Sensor Reheat, Auto/Sensor Cook and Steam Clean) and preheating. This is to prevent the starting temperature of food from rising before defrosting or cooking begins. A change in starting temperature could cause inaccurate results.
3. When using Standing Time or Delay Start, it is up to 2 power stages.
4. If the time exceeds one hour, it will count down in units of minutes. If less than one hour, the time will count down in units of seconds.
5. An "H" will appear in the display to denote hours.

## Operation (continued)

### Add Time

(Example: To add cooking time after Broil 1 (High).)

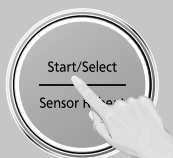
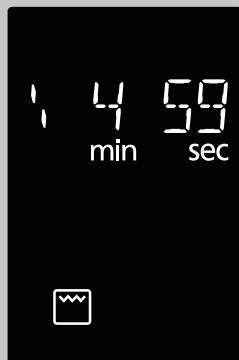
1



Set the desired cooking program, by entering cooking method and time required.

After cooking, “**ADD TIME OR ENJOY YOUR MEAL**” will appear in the display window,.

3

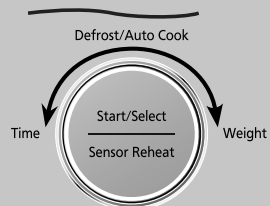
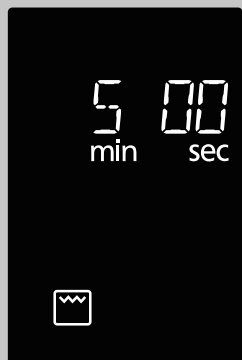


Press dial to **Start**. Time will be added. The time in the display window will count down.

#### NOTES:

1. This feature is not available for auto programs (such as Defrost, Sensor Reheat, Auto/Sensor Cook and Steam Clean).
2. **The Add Time function will be cancelled if you do not perform any operation within 1 minute after cooking.**
3. The Add Time function can be used after the 3-stage cooking.
4. The power level is the same as the last stage.

2

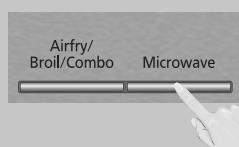


Set desired cooking time by turning dial.

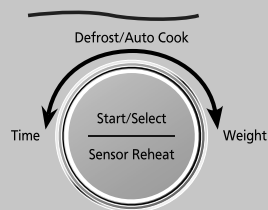
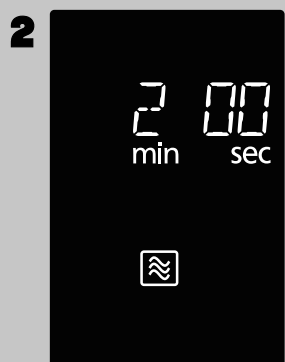
## Operation (continued)

### 3-Stage Setting

(Example: Continually set [800 W] 2 minutes, [Combo 2 (Frozen foods)] 3 minutes and [Broil 2 (Low)] 2 minutes.)



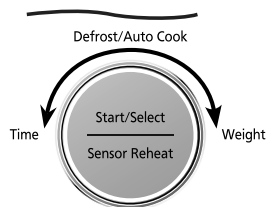
Press twice to select **800 W**.



Set as 2 minutes by turning dial.



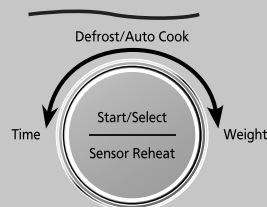
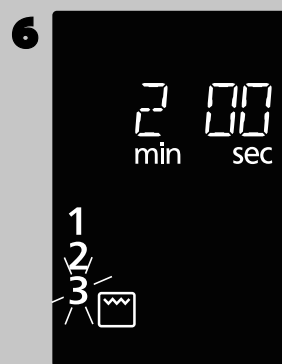
Press 5 times to select **Combo 2 (Frozen foods)**.



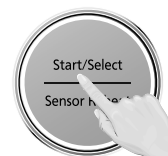
Set as 3 minutes by turning dial.



Press 3 times to select **Broil 2 (Low)**.



Set as 2 minutes by turning dial.



Press dial to **Start**. The time will count down at the first stage in the display window.

#### NOTES:

- When operating, two beeps will sound between each stage.
- Auto programs (such as Defrost, Sensor Reheat, Auto/Sensor Cook and Steam Clean) and preheating can not be used with 3-stage cooking.
- Standing Time, Delay Start can be used with 3-stage cooking.
- During cooking, one press on **Stop/Reset** stops the operation. You can re-start it by pressing **Start**. A second press of **Stop/Reset** will cancel the selected program.
- Whilst not operating, one press of **Stop/Reset** cancels the selected program.

#### Example to use:

Mug cake (1 mug)

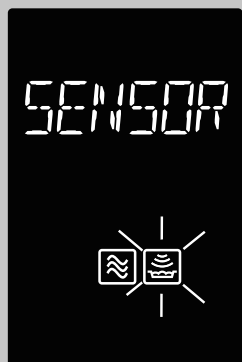
|         |       |            |
|---------|-------|------------|
| Stage 1 | 800 W | 1 minute   |
| Stage 2 | timer | 20 seconds |
| Stage 3 | 800 W | 1 minute   |

## Operation (continued)

### Sensor Reheat (One Push Reheating)

the **Genius**

This unique feature 'the Genius' built-in sensor allows you to reheat a chilled meal with one push of the dial. It is not necessary to select the power level or cooking time. The built-in sensor measures the humidity of the food and calculates the cooking time.



When clock mode is displayed, press the dial to Start. To reset oven and return to clock mode, press Stop/Reset twice.

| Program              | Weight                       | Accessories | Instructions                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------|------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sensor Reheat</b> | 8 - 36 oz.<br>(200 - 1000 g) |             | All foods must be pre-cooked. Foods should be at refrigerator temperature approx. 41 °F (+ 5 °C). Reheat in microwaveable container as purchased. If transferring food to dish, cover with pierced plastic wrap. Press dial to Start. Stir at beeps. Stir again at end of program and allow a few minutes standing time. Large pieces of meat/fish in a thin sauce may require longer cooking. |

#### One Push Reheating food chart:

|                         |                                                              |
|-------------------------|--------------------------------------------------------------|
| <b>Suitable foods</b>   | Pre-Cooked Dishes: Casserole, Stew, Leftover                 |
|                         | Chilled Meal, Entrée                                         |
| <b>Unsuitable foods</b> | Raw Foods: Vegetables, Meats, Rice                           |
|                         | Thicker Foods, cannot not be stirred: Lasagne, Shepherds Pie |
|                         | Beverages: Water, Milk, Coffee                               |

#### How it works

Once the One Push Reheating has been selected, the food is heated up. As food begins to get hot, steam is emitted. When the food reaches a certain temperature and begins to cook, an even greater amount of steam is released. The increase in steam emission is detected by a humidity sensor in the oven. This acts as a signal for the oven to calculate how much longer the food needs to cook. The remaining cooking time will appear in the display window after two beeps. Whilst the Sensor symbol is still flashing in the display window the oven door should not be opened. Wait until the cooking time appears in the window, and then open the door if required, to stir or turn the food.

#### Adjust to Taste

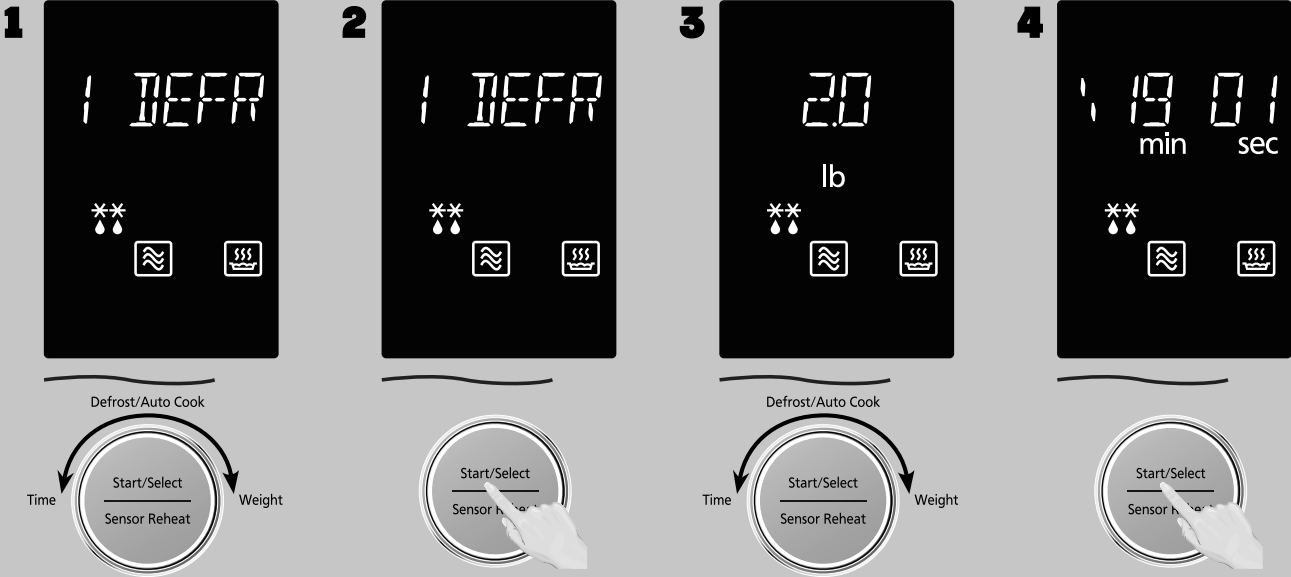
The One Push Reheating reheats a chilled meal for average tastes. You are able to adjust the reheating program to your own taste. After pressing Start, +/- symbol and flashing bar appears in the display, turn dial clockwise for more time or anticlockwise for less time. This operation should be completed within 14 seconds. Default mode is normal.

#### Notes:

1. Press the dial in two minutes right after the door was closed, otherwise One Push Reheating Function will be rejected and beeps will sound. Open the door and close it again will release the One Push Reheating Function.
2. The oven automatically calculates the reheating time or the remaining reheating time.
3. The door should not be opened before the time appears in the display window.
4. To prevent any mistakes during One Push Reheating ensure that glass tray and the container are dry.
5. The room temperature should not be more than 95 °F (35 °C) and not less than 32 °F (0 °C).
6. If the oven has previously been used and it is too hot to be used on One Push Reheating, "HOT INSIDE WAIT" will appear in the display window. After the "HOT INSIDE WAIT" disappears, the One Push Reheating may be used. If in a hurry, cook food manually by selecting the correct cooking mode and cooking time yourself.

# Operation (continued)

## Turbo Defrost (No.1)



To allow auto program operation, ensure the oven is in clock mode. Select the Defrost by turning dial. The weight is 0.1 - 6.0 lbs (0.1 - 3.0 kg). (see chart on page 42.)

Press the dial to confirm the program.

Select the weight of the food by turning dial. Turning the dial slowly will count up in 0.1 lb (0.1 kg) steps.

Press dial to **Start**. The time appears in the display window and begins to count down.

### NOTES:

1. Defrost can be used to defrost many cuts of meat, poultry and fish by weight. The oven will determine the defrosting time and power levels. Once the oven is programmed, the defrosting time will appear in the display. For best results the minimum recommended weight is 0.1 lb (0.1 kg).
2. Turn over the food, remove defrosted food when buzzer rings in the middle of cooking.
3. Allow standing time so that the center of the food thaws out. (Minimum of 1 hour for joints of meat and whole chickens).

### Conversion

Follow the chart to convert ounces or hundredths of a pound into tenths of a pound. To use **Defrost**, enter the weight of the food in pounds (1.0) and tenths of a pound (0.1). If a piece of meat weighs 1.95 lbs or 1 lb 14 oz., enter 1.9 lbs.

| Ounces  | Hundredths of a Pound | Tenths of a Pound |
|---------|-----------------------|-------------------|
| 0       | .01 - .05             | 0.0               |
| 1 - 2   | .06 - .15             | 0.1               |
| 3 - 4   | .16 - .25             | 0.2               |
| 5       | .26 - .35             | 0.3               |
| 6 - 7   | .36 - .45             | 0.4               |
| 8       | .46 - .55             | 0.5               |
| 9 - 10  | .56 - .65             | 0.6               |
| 11 - 12 | .66 - .75             | 0.7               |
| 13      | .76 - .85             | 0.8               |
| 14 - 15 | .86 - .95             | 0.9               |

## Operation (continued)

### Auto Cook (Sensor):

#### Popcorn (No.2)

**1**



Defrost/Auto Cook

Time

Start/Select

Sensor Reheat

Weight

To allow auto program operation, ensure the oven is in clock mode. Select the Popcorn by turning the dial. The weight is 1.5 - 3.2 oz. (42 - 90 g). (see chart on page 42.)

**2**



Start/Select

Sensor Reheat

Press the dial to confirm the program.

**3**



Start/Select

Sensor Reheat

Press dial to **Start**. The food category will be repeated in the display window until the oven calculates the cooking time after detecting a burst of steam. Do not open the oven door until the remaining cooking time appears in the display window.

#### NOTES:

1. If desired, More/Less adjustment can be done. Turn dial to add or subtract the cooking time (5 levels can be selected), after turning the dial within 14 seconds.
2. Pop one bag at a time.
3. Place bag in oven according to manufacturers' directions.
4. Start with popcorn at room temperature.
5. Allow popped corn to sit unopened for a few minutes.
6. Open bag carefully to prevent burns, because steam will escape.
7. Do not reheat unpopped kernels or reuse bag.
8. If popcorn is of a different weight than listed, follow instructions on popcorn package.
9. **Never leave the oven unattended.**
10. **If popping slows to 2 to 3 seconds between pops, stop oven. Overcooking can burn popcorn or cause fire.**
11. When popping multiple bags one right after the other, the cooking time may vary slightly. This does not affect the popcorn results.
12. If the temperature of the cavity is too high, Sensor Cook feature cannot be used. The message "HOT INSIDE WAIT" will appear in the display window. Sensor Cook feature can be used again when the "HOT INSIDE WAIT" message disappears. Please open the door in order to cool the temperature of the cavity more quickly.

## Operation (continued)

### Auto Cook (Sensor): (No.3 - No.5)

**1**



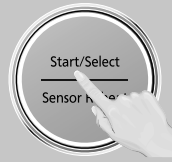
To allow auto program operation, ensure the oven is in Clock mode. Select the desired menu by turning the dial.  
(see chart on the next page.)

**2**



Press the dial to confirm the program.

**3**



Press dial to **Start**. The food category will be repeated in the display window until the oven calculates the cooking time after detecting a burst of steam. Do not open the oven door until the remaining cooking time appears in the display window.

#### NOTES:

1. If desires, More/Less adjustment can be done. Turn dial to add or subtract the cooking time (3 levels can be select), after turning the dial within 14 seconds.
2. After having used the Sensor Cook feature a few times, you may decide you would prefer your food cooked to a different doneness – that is why you would like to turning the dial.
3. When steam is detected by the Genius Sensor and two beeps sound, the remaining cooking time will appear in the display.
4. Automatic features are provided for your convenience. If results are not suitable to your individual preference, or if serving size is other than what is listed in next page, please refer to manual cooking on page 31.
5. If the temperature of the cavity is too high, Sensor Cook feature cannot be used. The message "HOT INSIDE WAIT" will appears in the display window. Sensor Cook feature can be used again when the "HOT INSIDE WAIT" message disappears. Please open the door in order to cool the temperature of the cavity more quickly.

#### For the best results with the GENIUS SENSOR, follow these recommendations:

##### BEFORE Reheating/Cooking:

1. The room temperature surrounding the oven should be below 95 °F (35 °C).
2. Food weight should exceed 4 oz. (110 g).
3. Be sure the glass tray, the outside of the cooking containers and the inside of the microwave oven are dry before placing food in the oven. Residual beads of moisture turning into steam can mislead the sensor.
4. Cover food with lid, or with vented plastic wrap. Never use tightly sealed plastic containers—they can prevent steam from escaping and cause food to overcook.

##### DURING Reheating/Cooking:

DO NOT open the oven door until two beeps sound and cooking time appears in the display. Doing so will cause inaccurate cooking since the steam from food is no longer contained within the oven cavity. Once the cooking time begins to count down, the oven door may be opened to stir, turn or rearrange foods.

##### AFTER Reheating/Cooking:

All foods should have a standing time.

## Operation (continued)

| No. | Menu                    | Weight Range                   | Recommended Container                                  | Accessory and Placement    |
|-----|-------------------------|--------------------------------|--------------------------------------------------------|----------------------------|
| 1   | <b>Defrost</b>          | 0.1 - 6.0 lb<br>(0.1 - 3.0 kg) | microwave safe dish                                    | Directly on the glass tray |
| 2   | <b>Popcorn</b>          | 1.5 - 3.2 oz.<br>(42 - 90 g)   | original bag                                           | Directly on the glass tray |
| 3   | <b>Potatoes</b>         | 8 - 56 oz.<br>(200 - 1500 g)   | kitchen paper                                          | Directly on the glass tray |
| 4   | <b>Steam Vegetables</b> | 8 - 36 oz.<br>(200 - 1000 g)   | microwave safe casserole with a lid<br>or plastic wrap | Directly on the glass tray |
| 5   | <b>Fresh Fish</b>       | 8 - 30 oz.<br>(200 - 800 g)    | microwave safe casserole with a lid<br>or plastic wrap | Directly on the glass tray |

### 1. Defrost

This feature allows you to defrost minced meat, chops, chicken portions, meat joints. Foods should be placed in a suitable dish. Chops, chicken portions should be placed in a single layer. It is not necessary to cover the foods. Turn over or stir the food after beeps. Allow standing time so that the center of the food thaws out.

### 2. Popcorn

Pop one bag at a time. Place bag in oven according to manufacturers' directions. Start with popcorn at room temperature. Allow popped corn to sit unopened for a few minutes. Open bag carefully to prevent burns, because steam will escape. Do not reheat unpopped kernels or reuse bag. If popcorn is of a different weight than listed, follow instructions on popcorn package.

### 3. Potatoes

Pierce each potato with a fork 6 times spacing around surface. Place potato or potatoes around the edge of paper-towel-lined glass tray, at least 1 inch (2.5 cm) apart. Do not cover. Turn at beeps. Let stand 5 minutes to complete cooking.

### 4. Steam Vegetables

All pieces should be the same size. Wash thoroughly, add 1 tbsp (15 ml) of water per ½ cup (125 ml) of vegetables, and cover with lid or plastic wrap. Pierce with a fork several times. Stir at beeps. Do not salt/butter until after cooking.

### 5. Fresh Fish

To cook fresh fillets or steaks of fish. Place fish in a suitable size container, add 2 tbsp (30 ml) water. Cover with lid or plastic wrap. Pierce with a fork several times.



## Operation (continued)

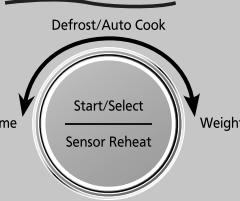
### Auto Cook:

#### Melt & Soften (No.6 - No.8)

**1**



Defrost/Auto Cook



Time Weight

To allow auto program operation, ensure the oven is in Clock mode. Select the desired menu by turning the dial. (see chart below)

**2**

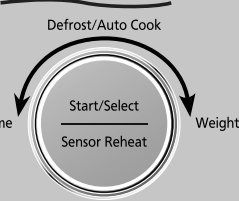


Press the dial to confirm the program.

**3**



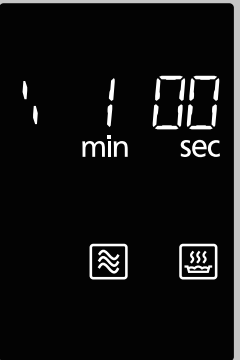
Defrost/Auto Cook



Time Weight

Select the weight of the food by turning dial.

**4**



Press dial to **Start**. The time appears in the display window and begins to count down.

| No. | Menu                | Weight Range                                    | Recommended Container                 | Accessory and Placement    |
|-----|---------------------|-------------------------------------------------|---------------------------------------|----------------------------|
| 6   | <b>Cream Cheese</b> | 2/4/6/8/10/12 oz.<br>(50/100/150/200/250/300 g) | microwave safe dish with plastic wrap | Directly on the glass tray |
| 7   | <b>Chocolate</b>    | 2/4/6/8/10/12 oz.<br>(50/100/150/200/250/300 g) | microwave safe dish                   | Directly on the glass tray |
| 8   | <b>Butter</b>       | 2/4/6/8/10/12 oz.<br>(50/100/150/200/250/300 g) | microwave safe dish with plastic wrap | Directly on the glass tray |

#### 6. Cream Cheese

Remove wrapper, cut cheese into 1 inch (3 cm) cube, and place in a microwave safe dish. Cover with plastic wrap.

#### 7. Chocolate

Suitable for melting milk chocolate. Remove wrapper, separate chocolate into small pieces, and place in a microwave safe dish. Cook without cover. Stir after cooking.

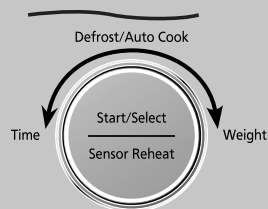
#### 8. Butter

Remove wrapper, cut butter into 1 inch (3 cm) cube, and place in a microwave safe dish. Cover with plastic wrap.

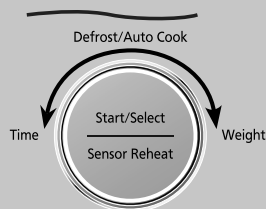
## Operation (continued)

### Auto Cook:

#### Convection Bake/Combo (No.9 - No.16)



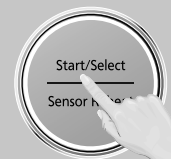
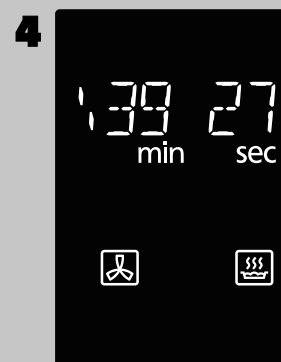
To allow auto program operation, ensure the oven is in clock mode. Select the desired menu by turning the dial. Press the dial to confirm the program.  
(see chart below, for details on the next page.)



Select the weight of the food by turning dial. (except Menu No.9, No.10 and No.14)

**3** Press the dial to preheat the oven. "PREHEAT" will scroll across display window once then a "P" will appear in the display window.  
**(Skip this step when preheating is not required)**

After preheating, the oven will beep and "P END" will display in the display window. Open the door, put the food into the oven immediately and close the door.



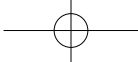
Press dial to **Start**. The time appears in the display window and begins to count down.

| No.  | Menu                  | Weight Range                 | Recommended Container    | Accessory and Placement                |
|------|-----------------------|------------------------------|--------------------------|----------------------------------------|
| 9*   | <b>Cake</b>           | 9 inch (23 cm)               | 9 inch cake pan          | Enamel tray on glass tray              |
| 10*  | <b>Cookie</b>         | 15 pcs                       | —                        | Enamel tray on glass tray              |
| 11** | <b>Frozen Pizza</b>   | 9 inch/12 inch (23 cm/30 cm) | —                        | Wire rack on enamel tray on glass tray |
| 12*  | <b>Fresh Pizza</b>    | 9 inch/12 inch (23 cm/30 cm) | —                        | Enamel tray on glass tray              |
| 13*  | <b>Roast Chicken</b>  | 36 - 80 oz. (900 - 2000 g)   | —                        | Enamel tray on glass tray              |
| 14** | <b>Slow Cook/Stew</b> | 6 servs                      | microwave safe casserole | Directly on the glass tray             |
| 15** | <b>Beef Rare</b>      | 20 - 80 oz. (500 - 2000 g)   | —                        | Enamel tray on glass tray              |
| 16** | <b>Beef Medium</b>    | 20 - 80 oz. (500 - 2000 g)   | —                        | Enamel tray on glass tray              |

\* With preheating

\*\* Without preheating

Refer to P45



## Operation (continued)

### 9. Cake

#### Ingredient:

|                |               |
|----------------|---------------|
| 15 oz. (420 g) | cake mix      |
| 3              | eggs          |
| 4 oz. (110 g)  | vegetable oil |
| 10 oz. (280 g) | water         |

#### Method:

1. Beat cake mix, eggs, vegetable oil and water in a large bowl with electric mixer on low speed for 30 seconds, then on medium speed for 2 minutes.
2. Use the dial to set the program, then press Start to preheat the oven.
3. Pour cake batter into a 9 inch (23 cm) round and at least 2 inch (5 cm) deep cake pan with baking paper. Place cake pan on enamel tray.
4. After preheating, beeps sound and "P END" will flash in the display. Put the enamel tray on glass tray quickly and press the dial to Start. Cool for 10 minutes in pan and gently remove from pan onto wire rack to cool completely.

### 10. Cookie

#### Ingredient:

|                |            |
|----------------|------------|
| 8½ oz. (240 g) | cookie mix |
| 1½ oz. (40 g)  | butter     |
| 1 oz. (25 g)   | egg wash   |

#### Method:

1. Stir cookie mix, butter and egg in a large bowl with a wooden spoon until just combined. Use your hands to form a soft dough.
2. Measure tablespoons of cookie dough and roll into balls. Place onto baking paper lined enamel tray, spacing about 2 inch (5 cm) apart.
3. Use the dial to set the program, then press Start to preheat the oven.
4. After preheating, beeps sound and "P END" will flash in the display. Put the enamel tray on glass tray quickly and press the dial to Start. Cool on tray for 10 minutes, then gently remove from tray onto a wire rack to cool completely.

### 11. Frozen Pizza

For reheating and browning frozen, purchased pizza. Remove all packaging and place pizza on wire rack on enamel tray on glass tray.

### 12. Fresh Pizza

#### Ingredients:

##### (9 inch)

|                        |                   |
|------------------------|-------------------|
| 6 oz. (150 g)          | fresh pizza dough |
| Extra oil for brushing |                   |

#### Toppings:

|              |                                              |
|--------------|----------------------------------------------|
| 1 oz. (25 g) | tomato sauce                                 |
| 2 oz. (55 g) | pepperoni                                    |
| 2 oz. (55 g) | shredded mozzarella cheese, or more to taste |

##### (12 inch)

|                        |                   |
|------------------------|-------------------|
| 10 oz. (280 g)         | fresh pizza dough |
| Extra oil for brushing |                   |

#### Toppings:

|               |                                              |
|---------------|----------------------------------------------|
| 2 oz. (55 g)  | tomato sauce                                 |
| 3 oz. (80 g)  | pepperoni                                    |
| 4 oz. (110 g) | shredded mozzarella cheese, or more to taste |

#### Directions:

1. Roll the dough out to 9 inch (23 cm)/12 inch (30 cm) and brush the bottom with oil, then put it on enamel tray, top crust with sauce, cheese and pepperoni.
2. Use the dial to set the program, then press Start to preheat the oven.
3. After preheating, beeps sound and "P END" will flash in the display. Put the enamel tray on glass tray quickly and press the dial to Start.

### 13. Roast Chicken

1. Marinated the whole chicken for 30 minutes.
2. Use the dial to set the program, then press Start to preheat the oven.
3. After preheating, beeps sound and "P END" will flash in the display. Put the chicken on enamel tray on glass tray quickly and press the dial to Start. Turn it over at beeps.

### 14. Slow Cook/Stew

Beef curry casserole (6 servings)

#### Ingredient:

|                 |                                                             |
|-----------------|-------------------------------------------------------------|
| ½ oz. (15 g)    | oil                                                         |
| 1               | large onion, chopped                                        |
| 1               | large tomato, chopped                                       |
| 1 oz. (25 g)    | curry paste                                                 |
| 1 tbsp. (15 g)  | flour                                                       |
| 8 oz. (225 g)   | beef stock                                                  |
| 36 oz. (1000 g) | chuck steak, fat removed and cut into 1 inch (2.5 cm) cubes |
| 1 tbsp. (15 g)  | vinegar                                                     |

Place all ingredients in a 4-quart casserole dish. Put the microwave safe casserole on the glass tray. Uncovered. Stir at beeps.

### 15. Beef Rare

For cooking rare fresh roast beef (top side, rump or silver-side). Place the beef on the enamel on glass tray. Turn at beeps. Allow to stand for 10 to 20 minutes after cooking.

### 16. Beef Medium

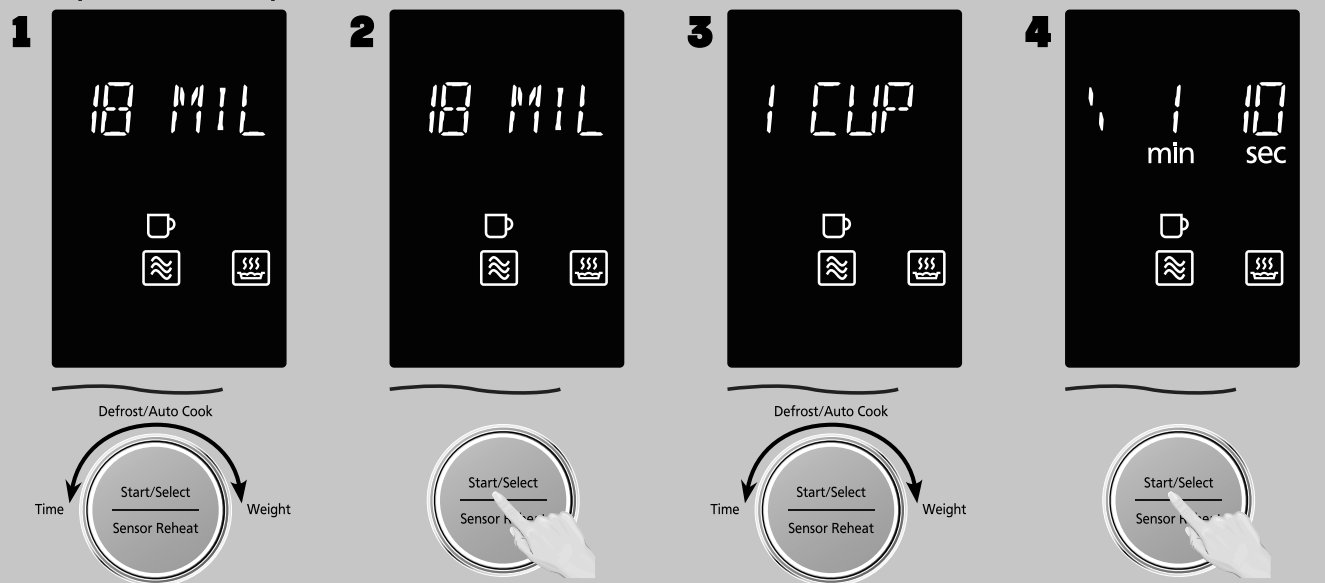
For cooking medium fresh roast beef (top side, rump or silver-side). Place the beef on the enamel on glass tray. Turn at beeps. Allow to stand for 10 to 20 minutes after cooking.

## Operation (continued)

### Auto Cook:

#### Beverage (No.17 - No.18)

(Example: To reheat 1 cup milk.)



To allow auto program operation, ensure the oven is in clock mode. Select the desired menu by turning the dial. (see chart below)

Press the dial to confirm the program selection.

Select the weight of the food by turning dial.

Press dial to **Start**. The time appears in the display window and begins to count down.

| No. | Menu                                        | Weight Range                 | Recommended Container | Accessory and Placement    |
|-----|---------------------------------------------|------------------------------|-----------------------|----------------------------|
| 17  | <b>Tea/Coffee</b>                           | 1 cup/2 cups<br>(250/500 ml) | microwave safe cup    | Directly on the glass tray |
| 18  | <b>Milk/Hot Chocolate/<br/>Milky Coffee</b> | 1 cup/2 cups<br>(250/500 ml) | microwave safe cup    | Directly on the glass tray |

#### NOTES:

1. Use a microwave safe cup.
2. Heated Beverage can erupt if not mixed with air. Do not heat Beverage in your microwave oven without stirring before and halfway through heating.
3. Care must be exercised not to overheat Beverage. It is programmed to give proper result when heating 1 cup or 2 cups of Beverage, starting from room temperature for Tea/Coffee and refrigerator temperature for Milk/Hot Chocolate/Milky Coffee. Overheating will cause an increased risk of scalding, or water eruption. Refer to page 4, item 19.

## Operation (continued)

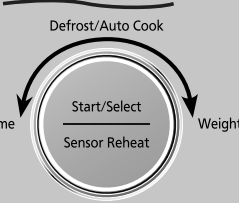
### Auto Cook:

#### Re-Bake Bread (No.19 - No.20)

**1**



Defrost/Auto Cook



Time Weight

To allow auto program operation, ensure the oven is in clock mode. Select the desired menu by turning the dial.  
(see chart below)

**2**

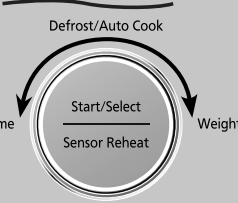


Press the dial to confirm the program.

**3**



Defrost/Auto Cook



Time Weight

Select the weight of the food by turning dial.

**4**



Press dial to **Start**. The time appears in the display window and begins to count down.

| No. | Menu                         | Weight Range                | Recommended Container | Accessory and Placement   |
|-----|------------------------------|-----------------------------|-----------------------|---------------------------|
| 19  | <b>Baguette/Crusty Rolls</b> | 4 - 20 oz.<br>(100 - 500 g) | —                     | Enamel tray on glass tray |
| 20  | <b>Croissants</b>            | 2 - 14 oz.<br>(50 - 350 g)  | —                     | Enamel tray on glass tray |

#### 19. Baguette/Crusty Rolls

To re-bake pre-purchased baguettes and rolls from room temperature. Ensure height of baguette/rolls is no more than 2 inch (5 cm). Place baguette/crusty rolls on enamel tray on glass tray. After cooking place on a wire rack for a few minutes.

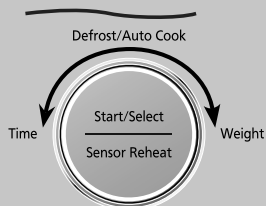
#### 20. Croissants

To re-bake pre-purchased croissants from room temperature. Place croissants on enamel tray on glass tray. After cooking place on a wire rack for a few minutes.

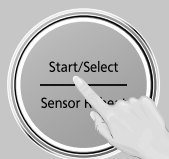
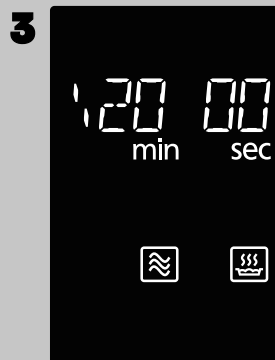
## Operation (continued)

### Auto Steam Clean: (No.21)

**1** Place 1¼ cups (300 ml) tap water with 1 tbsp (15 ml) lemon juice in a microwaveable container (e.g. jug or bowl). Use a jug or bowl of at least 2 cups (500 ml) volume.



To allow auto program operation, ensure the oven is in clock mode. Select the desired menu by turning the dial. Press the dial to confirm the program.



Press dial to **Start**. The time appears in the display window and begins to count down. The program runs for 20 minutes.

**4** Five beeps sound at the completion of the program. Open oven door and wipe the cavity and door area with a soft cloth.

#### NOTES:

1. This program is to clean the cavity and remove any food odour from the microwave oven.
2. Do not remove the glass tray and roller ring during this program.
3. To clean the glass tray and roller ring, refer to page 59.
4. Repeat the above procedure as required.

## Defrosting Tips & Techniques

### Preparation For Freezing:

1. Freeze meats, poultry, and fish in packages with only one or two layers of food. Place wax paper between layers.
2. Package in heavy-duty plastic wraps, bags (labeled "For Freezer"), or freezer paper.
3. Remove as much air as possible.
4. Seal securely, date, and label.

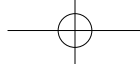
### To Defrost:

1. Remove wrapper. This helps moisture to evaporate. Juices from food can get hot and cook the food.
2. Set food in microwave safe dish.
3. Place roasts fat-side down. Place whole poultry breast-side down.
4. Select power and minimum time so that items will be under-defrosted.
5. Drain liquids during defrosting.
6. Turn over (invert) items during defrosting.

### After Defrosting:

1. Large items may be icy in the center. Defrosting will complete during Standing Time.
2. Let stand, covered, following standing time directions on page 49.
3. Rinse foods indicated in the chart.
4. Items which have been layered should be rinsed separately or have a longer standing time.

| FOOD                                                        | MANUAL DEFOST<br>TIME at 300 W<br>(min/kg) (min/lb) |        | DURING DEFOSTING                                  | AFTER DEFOSTING    |       |
|-------------------------------------------------------------|-----------------------------------------------------|--------|---------------------------------------------------|--------------------|-------|
|                                                             |                                                     |        |                                                   | Standing Time      | Rinse |
| <b>Fish and Seafood</b><br>[up to 3 lbs. (1.4 kg)]          |                                                     |        |                                                   |                    |       |
| Crabmeat                                                    | 12                                                  | 6      | Break apart/Rearrange                             | 5 min.             | YES   |
| Fish Steaks                                                 | 10 to 12                                            | 5 to 6 | Turn over                                         |                    |       |
| Fish Fillets                                                | 10 to 12                                            | 5 to 6 | Turn over/Rearrange                               |                    |       |
| Sea Scallops                                                | 10 to 12                                            | 5 to 6 | Break apart/<br>Remove defrosted pieces           |                    |       |
| Whole fish                                                  | 10 to 12                                            | 5 to 6 | Turn over                                         |                    |       |
| <b>Meat</b><br>Ground Meat                                  | 8 to 10                                             | 4 to 5 | Turn over/Remove defrosted<br>portion             | 10 min.            | NO    |
| Roasts<br>[2½-4 lbs. (1.1-1.8 kg)]                          | 8 to 16                                             | 4 to 8 | Turn over                                         | 30 min. in fridge. |       |
| Chops/Steak                                                 | 12 to 16                                            | 6 to 8 | Turn over/Rearrange                               | 5 min.             |       |
| Ribs/T-bone                                                 | 12 to 16                                            | 6 to 8 | Turn over/Rearrange                               |                    |       |
| Stew Meat                                                   | 8 to 16                                             | 4 to 8 | Break apart/Rearrange/<br>Remove defrosted pieces |                    |       |
| Liver (thinly sliced)                                       | 8 to 12                                             | 4 to 6 | Drain liquid/Turn over/<br>Separate pieces        |                    |       |
| Bacon (sliced)                                              | 8                                                   | 4      | Turn over                                         | ---                |       |
| <b>Poultry</b><br>Chicken, Whole<br>[up to 3 lbs. (1.4 kg)] | 8 to 12                                             | 4 to 6 | Turn over                                         | 20 min. in fridge  | YES   |
| Cutlets                                                     | 8 to 12                                             | 4 to 6 | Break apart/Turn over/<br>Remove defrosted Pieces | 5 min.             |       |
| Pieces                                                      | 8 to 12                                             | 4 to 6 | Break apart/Turn over                             | 10 min.            |       |
| Cornish hens                                                | 12 to 16                                            | 6 to 8 | Turn over                                         |                    |       |
| Turkey Breast<br>[5-6 lbs. (2.3-2.7 kg)]                    | 12                                                  | 6      | Turn over                                         | 20 min. in fridge  |       |



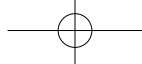
## Microwave shortcuts

| FOOD                                                                                                               | POWER                           | TIME (in mins.)                  | DIRECTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| To separate refrigerated Bacon,<br>16 oz. (450 g)                                                                  | 1000 W                          | 30 sec.                          | Remove wrapper and place in microwave safe dish. After heating, use a plastic spatula to separate slices.                                                                                                                                                                                                                                                                                                                                                                                     |
| To soften refrigerated Butter,<br>1 stick, 4 oz. (110 g)<br>To melt refrigerated Butter,<br>1 stick, 4 oz. (110 g) | 300 W<br>600 W                  | 1<br>1½ - 2                      | Remove wrapper and place butter in a microwave safe dish covered with lid or vented plastic wrap.                                                                                                                                                                                                                                                                                                                                                                                             |
| To melt Chocolate,<br>1 square, 1 oz. (25 g)<br>To melt Chocolate,<br>½ cup (125 ml) chips                         | 600 W<br>600 W                  | 1 - 1½<br>1 - 1½                 | Remove wrapper and place chocolate in a microwave safe dish. After heating, stir until completely melted.<br>NOTE: Chocolate holds its shape even when softened.                                                                                                                                                                                                                                                                                                                              |
| To toast Coconut,<br>½ cup (125 ml)                                                                                | 1000 W                          | 1                                | Place in a microwave safe dish.<br>Stir every 30 seconds.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| To soften Cream Cheese,<br>8 oz. (225 g)                                                                           | 300 W                           | 1 - 1½                           | Remove wrapper and place in a microwave safe bowl.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| To brown Ground Beef,<br>16 oz. (450 g)                                                                            | 1000 W                          | 4 - 5                            | Crumble into a microwave safe colander set into another dish. Cover with plastic wrap. Stir twice. Drain grease.                                                                                                                                                                                                                                                                                                                                                                              |
| To cook Vegetables,<br>Fresh<br>8 oz. (225 g)<br><br>Frozen<br>10 oz. (280 g)<br><br>Canned<br>15 oz. (420 g)      | 800 W<br><br>800 W<br><br>800 W | 4 - 5<br><br>6 - 7<br><br>3½ - 4 | All pieces should be the same size. Wash thoroughly, add 1 tbsp of water per ½ cup of vegetables, and cover with lid or vented plastic wrap. Do not salt/butter until after cooking.<br><br>Wash thoroughly, add 1 tbsp of water per ½ cup of vegetables, and cover with lid or vented plastic wrap. Do not salt/butter until after cooking. (Not suitable for vegetables in butter or sauce.)<br><br>Empty contents into microwave safe serving bowl. Cover with lid or vented plastic wrap. |
| To cook baked Potato,<br>6 - 8 oz. each (165 - 225 g)<br>1 piece<br>2 pieces                                       | 800 W<br>800 W                  | 4 - 5<br>6 - 7                   | Pierce each potato with a fork 6 times spacing around surface. Place potato or potatoes around the edge of paper-towel-lined glass tray (Turntable), at least 1 inch (2.5 cm) apart. Do not cover. Let stand 5 minutes to complete cooking.                                                                                                                                                                                                                                                   |
| To steam Hand Towel                                                                                                | 1000 W                          | 20 - 30 sec.                     | Soak in water, then wring out excess.<br>Place on a microwave safe dish.<br>Heat. Present immediately.                                                                                                                                                                                                                                                                                                                                                                                        |
| To soften Ice Cream,<br>½ gallon (2 L)                                                                             | 300 W                           | 1 - 1½                           | Check often to prevent melting.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



## Microwave shortcuts (continued)

| FOOD                                                                                            | POWER  | TIME (in mins.)  | DIRECTIONS                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------|--------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cup of liquid<br>To boil water, broth, etc.<br>1 cup, 8 oz. (250 ml)<br>2 cups, 16 oz. (500 ml) | 1000 W | 1½ - 2<br>2½ - 3 | Heated liquids can erupt if not stirred.<br>Do not heat liquids in microwave oven<br>Cup of liquid without stirring before heating.                                                                                                                                           |
| Cup of liquid<br>To warm Beverage,<br>1 cup, 8 oz. (250 ml)<br>2 cups, 16 oz. (500 ml)          | 800 W  | 1½ - 2<br>2½ - 3 |                                                                                                                                                                                                                                                                               |
| To roast Nuts,<br>1½ cups (340 g)                                                               | 1000 W | 3 - 4            | Spread nuts into a 9-inch (23 cm) microwave safe pie plate. Stir occasionally.                                                                                                                                                                                                |
| To toast Sesame Seeds,<br>¼ cup (55 g)                                                          | 1000 W | 2 - 2½           | Place in a small microwave safe bowl. Stir twice.                                                                                                                                                                                                                             |
| To skin Tomatoes,<br>(one at a time)                                                            | 1000 W | 30 sec.          | Place tomato into a microwave safe bowl containing boiling water. Rinse and peel. Repeat for each tomato.                                                                                                                                                                     |
| To remove Cooking Odours                                                                        | 1000 W | 5                | Combine 1 to 1½ cups (250 - 375 ml) water with the juice and peel of one lemon in a 2 quart microwave safe bowl. After water finishes boiling, wipe interior of oven with a cloth. You can also use a Combo of several whole cloves and ¼ cup of vinegar with 1 cup of water. |



## Defrosting Chart

Select **Defrost** microwave. The times given below are a guideline only. Always check the progress of the food by opening the oven door and then re-starting.

For larger quantities adjust times accordingly. Food should not be covered during defrosting.

| Food                                   | Defrosting Time | Method                                                                                     | Standing Time |
|----------------------------------------|-----------------|--------------------------------------------------------------------------------------------|---------------|
| <b>Meat</b>                            |                 |                                                                                            |               |
| Beef/Lamb/Pork joint<br>18 oz. (500 g) | 8-9 mins        | Place in a suitable dish or on an upturned saucer or use a microwave safe rack. Turn once. | 30 mins       |
| Minced beef<br>18 oz. (500 g)          | 6 mins 30 secs  | Place in a suitable dish. Break up and turn once.                                          | 5 mins        |
| Chops<br>16 oz. (450 g)                | 6-7 mins        | Place in a suitable dish in a single layer. Turn once.                                     | 5 mins        |
| Sausages<br>16 oz. (450 g)             | 6 mins          | Place in a suitable dish in a single layer. Turn twice.                                    | 5 mins        |
| Bacon rashers<br>18 oz. (500 g)        | 4-6 mins        | Place in a suitable dish. Turn and separate twice.                                         | 3 mins        |
| Stewing steak<br>16 oz. (450 g)        | 6 mins          | Place in a suitable dish. Break up frequently.                                             | 5 mins        |
| Whole chicken<br>18 oz. (500 g)        | 6-8 mins        | Place in a suitable dish on an upturned saucer or use a microwave safe rack. Turn once.    | 10 mins       |
| Chicken portions<br>16 oz. (450 g)     | 5-7 mins        | Place in a suitable dish in a single layer. Turn once.                                     | 10 mins       |
| <b>Fish</b>                            |                 |                                                                                            |               |
| Whole<br>12 oz. (340 g)                | 7-9 mins        | Place in a suitable dish. Turn once.                                                       | 5 mins        |
| Fillet/Steak<br>16 oz. (450 g)         | 5-6 mins        | Place in a suitable dish. Turn once, separate.                                             | 5 mins        |
| Prawns<br>16 oz. (450 g)               | 5-7 mins        | Place in a suitable dish. Stir halfway during defrosting.                                  | 5 mins        |
| <b>General</b>                         |                 |                                                                                            |               |
| Bread sliced<br>14 oz. (400 g)         | 4 mins          | Place on a plate. Separate and rearrange during defrosting.                                | 5 mins        |
| Slice of bread<br>2 oz. (55 g)         | 20 secs-30 secs | Place on a plate.                                                                          | 1-2 mins      |
| Pastry<br>18 oz. (500 g)               | 4 mins          | Place on a plate. Turn halfway.                                                            | 5-10 mins     |
| Soft fruit<br>16 oz. (450 g)           | 5-6 mins        | Place in a suitable dish. Stir once during defrosting.                                     | 2 mins        |

**Note:**

Opening the door and taking out the defrosted parts during the operating time is recommended. Turn over, stir or rearrange the parts which are still in icy.

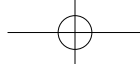
## Reheating Chart

The times given in the charts below are a guideline only, and will vary depending on starting temperature, dish size etc.

| Food                                                                                                                                                                              | Weight/<br>Quantity | Power Level                   | Time to Select<br>(approx) | Instructions/Guidelines                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------|----------------------------|------------------------------------------------------------------------------|
| Canned beans, pasta                                                                                                                                                               |                     |                               |                            |                                                                              |
| Baked beans                                                                                                                                                                       | 8 oz. (225 g)       | 1000 W                        | 2 mins                     | Place in a micro-safe bowl on glass tray. Cover.                             |
|                                                                                                                                                                                   | 16 oz. (450 g)      | 1000 W                        | 3 mins                     |                                                                              |
| Baked beans & sausages/burgers                                                                                                                                                    | 16 oz. (450 g)      | 1000 W                        | 3-4 mins                   |                                                                              |
| Canned meat                                                                                                                                                                       |                     |                               |                            |                                                                              |
| Hot dogs (drained)                                                                                                                                                                | 16 oz. (450 g)      | 1000 W                        | 2-3 mins                   | Place in a micro-safe bowl on glass tray. Cover.                             |
| Stewed steak                                                                                                                                                                      | 16 oz. (450 g)      | 1000 W                        | 3-4 mins                   |                                                                              |
| Canned soups                                                                                                                                                                      |                     |                               |                            |                                                                              |
| Cream of mushroom                                                                                                                                                                 | 16 oz. (450 g)      | 1000 W                        | 3-4 mins                   | Place in a micro-safe bowl on glass tray. Cover.                             |
| Minestrone                                                                                                                                                                        | 16 oz. (450 g)      | 1000 W                        | 2 mins 30 secs             | Stir halfway.                                                                |
| Canned vegetables - Drain where appropriate                                                                                                                                       |                     |                               |                            |                                                                              |
| Carrots, whole                                                                                                                                                                    | 12 oz. (340 g)      | 1000 W                        | 2 mins                     | Place in a micro-safe bowl on glass tray. Cover.                             |
| Peas, mushy                                                                                                                                                                       | 12 oz. (340 g)      | 1000 W                        | 2 mins                     | Stir halfway.                                                                |
| Peas, garden                                                                                                                                                                      | 12 oz. (340 g)      | 1000 W                        | 2 mins -<br>2 mins 30 secs | Place in a micro-safe bowl on glass tray. Cover.                             |
| Sweetcorn                                                                                                                                                                         | 8 oz. (225 g)       | 1000 W                        | 1 min 30 secs              | Place in a micro-safe bowl on glass tray. Cover.                             |
|                                                                                                                                                                                   | 12 oz. (340 g)      | 1000 W                        | 2-3 mins                   | Stir halfway.                                                                |
| Tomatoes, whole                                                                                                                                                                   | 14 oz. (400 g)      | 1000 W                        | 3 mins 30 secs             | Place in a micro-safe bowl on glass tray. Cover.                             |
| Pastry products – precooked – N.B. Pastries reheated by microwave will have a soft base. For combination cooking, if pie comes in foil container place directly onto enamel tray. |                     |                               |                            |                                                                              |
| Cornish pastie                                                                                                                                                                    | 5 oz. (150 g)       | 1000 W or<br>Combo 2          | 1-2 mins                   | Place in micro-safe dish on glass tray. Do not cover.                        |
|                                                                                                                                                                                   | 12 oz. (340 g)      | 1000 W or<br>Combo 2          | 2-3 mins                   | Place in micro-safe dish on glass tray. Do not cover.                        |
| Pastry products – precooked – N.B. Pastries reheated by microwave will have a soft base. If pie comes in foil container place directly onto enamel tray.                          |                     |                               |                            |                                                                              |
| Meat pies                                                                                                                                                                         | 12 oz. (340 g)      | Combo 2                       | 2-3 mins                   | Place on enamel tray on glass tray                                           |
| Steak and kidney<br>Shortcrust pie                                                                                                                                                | 8 oz. (225 g)       | Combo 2                       | 2-3 mins                   |                                                                              |
| Quiche                                                                                                                                                                            | 16 oz. (450 g)      | 1000 W                        | 4-5 mins                   | Place in micro-safe dish on glass tray. Do not cover.                        |
|                                                                                                                                                                                   |                     | or Combo 2                    | 3-4 mins                   | Place on wire rack on enamel tray on glass tray.                             |
| Sausage roll                                                                                                                                                                      | 12 oz. (340 g)      | Combo 2                       | 3-4 mins                   | Do not cover.                                                                |
| Xmas mince pies                                                                                                                                                                   | 4 oz. (110 g)       | 1000 W                        | 10-20 secs                 | Place in micro-safe dish on glass tray. Do not cover.                        |
| Plated meals – homemade – chilled                                                                                                                                                 |                     |                               |                            |                                                                              |
| Child size                                                                                                                                                                        | 1                   | 1000 W                        | 2-3 mins                   | Place on a micro-safe plate on glass tray. Cover.                            |
| Adult size                                                                                                                                                                        | 1                   | 1000 W                        | 4-5 mins                   |                                                                              |
| Puddings and desserts- Transfer puddings to a micro-safe/heatproof dish                                                                                                           |                     |                               |                            |                                                                              |
| Apple pie (chilled)                                                                                                                                                               | 18 oz. (500 g)      | 1000 W or<br>Combo 2          | 3-4 mins                   | Place in micro-safe dish on glass tray. Do not cover.                        |
| Apple and blackcurrant<br>pies (room temperature)                                                                                                                                 | x 6                 | Convection<br>425 °F (220 °C) | 6-7 mins                   | Place in foil cases on wire rack on enamel tray on glass tray. Do not cover. |
| Bread and butter<br>pudding (chilled)                                                                                                                                             | 18 oz. (500 g)      | 1000 W                        | 3-4 mins                   | Place on glass tray. Do not cover.                                           |
| Custard (chilled)                                                                                                                                                                 | 1¼ cups (300 ml)    | 1000 W                        | 2 mins -<br>2 mins 30 secs | Place in large jug. Stir during reheating.                                   |

### Note:

**Always check that food is piping hot after reheating in the microwave. If unsure return to oven. Foods will still require a standing time, especially if they cannot be stirred. The denser the food the longer the standing time.**



## Cooking Chart

The times given in the charts below are a guideline only, and will vary depending on starting temperature, dish size etc.

| Food                                                                    | Weight/<br>Quantity | Power Level                      | Time to Select<br>(approx)         | Instructions/Guidelines                                                                                                                                                                   |
|-------------------------------------------------------------------------|---------------------|----------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bread – Frozen                                                          |                     |                                  |                                    |                                                                                                                                                                                           |
| Part-baked rolls                                                        | 8 oz. (225 g)       | Combo 2                          | 3-4 mins                           | Place on enamel tray on glass tray.                                                                                                                                                       |
| Part-baked garlic<br>baguette                                           | 5 oz. (140 g)       | Combo 2                          | 3-4 mins                           |                                                                                                                                                                                           |
| Bacon – from raw                                                        |                     |                                  |                                    |                                                                                                                                                                                           |
| Rashers                                                                 | 12 oz. (340 g)      | 1000 W                           | 4-6 mins or<br>1 min<br>per rasher | Place on micro-safe rack or plate on glass tray and cover<br>with kitchen towel to minimise splatter.                                                                                     |
|                                                                         |                     | or Broil 1                       | 12-14 mins                         | Place on enamel tray on wire rack on glass tray.<br>Turn halfway.                                                                                                                         |
| Steaks                                                                  | 8 oz. (225 g)       | 1000 W                           | 4-5 mins                           | Place on micro-safe rack or plate on glass tray. Cover.                                                                                                                                   |
|                                                                         |                     | or Broil 1                       | 28-30 mins                         | Place on wire rack on enamel tray on glass tray.<br>Turn halfway.                                                                                                                         |
| Beans & pulses – should be pre-soaked (except lentils)                  |                     |                                  |                                    |                                                                                                                                                                                           |
| Black eyed beans                                                        | 8 oz. (225 g)       | 1000 W then<br>300 W             | 10 mins<br>25-30 mins              | Use 2½ cups (600 ml) boiling water in a large bowl. Cover.                                                                                                                                |
| Chick peas                                                              | 8 oz. (225 g)       | 1000 W then<br>300 W             | 10 mins<br>45 mins                 |                                                                                                                                                                                           |
| Lentils                                                                 | 8 oz. (225 g)       | 600 W                            | 10-15 mins                         |                                                                                                                                                                                           |
| Red kidney beans                                                        | 8 oz. (225 g)       | 1000 W then<br>300 W             | 15 mins<br>35-40 mins              |                                                                                                                                                                                           |
| Beef - Joints from raw – Caution: Hot fat! Remove dish with care.       |                     |                                  |                                    |                                                                                                                                                                                           |
| Topside, Forerib,<br>Sirloin                                            | -                   | Combo 2                          | 10-12 min<br>per 16 oz. (450 g)    | Place on an upturned saucer on enamel tray on glass tray.<br>Turn halfway.                                                                                                                |
| Mince                                                                   | 18 oz. (500 g)      | 1000 W then<br>600 W             | 10 mins<br>15 mins                 | Place in micro-safe dish with stock and seasonings on glass<br>tray. Stir halfway. Cover.                                                                                                 |
| Chicken from raw – Caution: Hot Fat! Remove oven accessories with care. |                     |                                  |                                    |                                                                                                                                                                                           |
| Breasts,<br>boneless                                                    | 26 oz. (730 g)      | 600 W                            | 12-14 mins                         | Place on micro-safe rack or plate on glass tray. Cover.                                                                                                                                   |
| Drumsticks                                                              | 28 oz. (780 g)      | 600 W                            | 12-14 mins                         | Place on micro-safe rack or plate on glass tray. Cover.                                                                                                                                   |
|                                                                         |                     | or Convection<br>425 °F (220 °C) | 25-30 mins                         | Place on wire rack on enamel tray on glass tray.<br>Turn halfway.                                                                                                                         |
| Eggs – Scrambled                                                        |                     |                                  |                                    |                                                                                                                                                                                           |
| Egg                                                                     | 1                   | 1000 W<br>-----<br>1000 W        | 30 secs<br>-----<br>20 secs        | Add 1 tablespoon of milk for each egg used.<br>Beat eggs, milk and knob of butter together.<br>Cook for 1st cooking time then stir.<br>Cook for 2nd cooking time then stand for 1 minute. |
| Eggs                                                                    | 2                   | 1000 W<br>-----<br>1000 W        | 50 secs<br>-----<br>30 secs        |                                                                                                                                                                                           |
|                                                                         |                     | 1000 W<br>-----<br>1000 W        | 1 min 20 secs<br>-----<br>30 secs  |                                                                                                                                                                                           |
| Eggs                                                                    | 3                   | 1000 W<br>-----<br>1000 W        | 1 min 20 secs<br>-----<br>30 secs  |                                                                                                                                                                                           |
|                                                                         |                     | 1000 W<br>-----<br>1000 W        | 1 min 20 secs<br>-----<br>30 secs  |                                                                                                                                                                                           |

### Note:

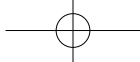
Always check that food is piping hot after reheating in the microwave. If unsure return to oven. Foods will still require a standing time, especially if they cannot be stirred. The denser the food the longer the standing time.

## Cooking Chart (continued)

| Food                                                                                                         | Weight/<br>Quantity | Power Level                      | Time to Select<br>(approx)                  | Instructions/Guidelines                                                                                                          |
|--------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Fish – Fresh from raw                                                                                        |                     |                                  |                                             |                                                                                                                                  |
| Breaded fillets                                                                                              | 10 oz. (280 g)      | Broil 1                          | 10-15 mins                                  | Place on enamel tray on wire rack on glass tray. Turn halfway.                                                                   |
| Fillets                                                                                                      | 10 oz. (280 g)      | 1000 W                           | 3-4 mins                                    | Place in micro-safe dish. Add 2 tbsp (30 ml) of liquid. Cover.                                                                   |
|                                                                                                              |                     | or Broil 1                       | 12-14 mins                                  | Place on enamel tray on wire rack on glass tray. Turn halfway.                                                                   |
| Steaks                                                                                                       | 8 oz. (225 g)       | 1000 W                           | 3-4 mins                                    | Place in micro-safe dish. Add 2 tbsp (30 ml) of liquid. Cover.                                                                   |
|                                                                                                              |                     | or Broil 2                       | 16-20 mins                                  | Place on enamel tray on wire rack on glass tray. Turn halfway.                                                                   |
| Whole                                                                                                        | 11 oz. (310 g)      | 1000 W                           | 3-4 mins                                    | Place in micro-safe dish. Add 2 tbsp (30 ml) of liquid. Cover.                                                                   |
|                                                                                                              |                     | or Broil 2                       | 22 mins                                     | Place on enamel tray on wire rack on glass tray. Turn halfway.                                                                   |
| Lamb – from raw – Caution: Hot Fat! Remove accessory with care.                                              |                     |                                  |                                             |                                                                                                                                  |
| Chops, cutlets                                                                                               | 11 oz. (310 g)      | 600 W                            | 4-6 mins                                    | Place in micro-safe dish or rack on glass tray. Cover.                                                                           |
| Chops, loin                                                                                                  | 20 oz. (560 g)      | 600 W                            | 5-7 mins                                    | Place in micro-safe dish or rack on glass tray. Cover.                                                                           |
| Joints                                                                                                       | -                   | Combo 2                          | 5-6 mins<br>per 16 oz. (450 g)              | Place on enamel tray on glass tray. Turn halfway.                                                                                |
| Stewing lamb                                                                                                 | 16 oz. (450 g)      | 1000 W<br>then 440 W             | 10 mins<br>40 mins                          | Place in micro-safe dish with stock and vegetables on glass tray. Stir halfway. Cover.                                           |
|                                                                                                              |                     | or Combo 1                       | 30-35 mins                                  | Place in casserole dish, add stock and vegetables, cover with lid on enamel tray on glass tray. Stir halfway.                    |
| Pasta - Place in a large 3 litre microwave safe bowl.                                                        |                     |                                  |                                             |                                                                                                                                  |
| Twists                                                                                                       | 8 oz. (225 g)       | 1000 W                           | 8-10 mins                                   | Use 1 litre boiling water. Add 1 tbsp (15 ml) oil. Cover. Stir halfway.                                                          |
| Macaroni                                                                                                     | 8 oz. (225 g)       | 1000 W                           | 10-12 mins                                  |                                                                                                                                  |
| Spaghetti /<br>tagliatelle                                                                                   | 8 oz. (225 g)       | 1000 W                           | 8-10 mins                                   | Use 1½ litres boiling water. Add 1 tbsp (15 ml) oil. Cover. Stir halfway.                                                        |
| Pasta shells - i.e.<br>conchiglie                                                                            | 8 oz. (225 g)       | 1000 W                           | 10-12 mins                                  |                                                                                                                                  |
| Pizza – fresh chilled – N.B. Remove all packaging. Pizzas will have a soft base if cooked by microwave only. |                     |                                  |                                             |                                                                                                                                  |
| Deep pan, ham                                                                                                | 14 oz. (400 g)      | 1000 W                           | 4-6 mins                                    | Place on micro-safe plate on glass tray. Do not cover.                                                                           |
|                                                                                                              |                     | or Convection<br>425 °F (220 °C) | 12-16 mins                                  | Place directly on wire rack on enamel tray on glass tray. Do not cover.                                                          |
| Thin and crispy                                                                                              | 12 oz. (340 g)      | Combo 2                          | 5-7 mins                                    | Place on wire rack on enamel tray on glass tray. Do not cover.                                                                   |
|                                                                                                              |                     | or Convection<br>425 °F (220 °C) | 9 mins                                      |                                                                                                                                  |
| Pork – from raw – Caution: Hot Fat! Remove oven accessories with care.                                       |                     |                                  |                                             |                                                                                                                                  |
| Chops                                                                                                        | 18 oz. (500 g)      | Broil 1                          | 35-40 mins                                  | Place on wire rack on enamel tray on glass tray. Turn halfway.                                                                   |
| Pork – from raw – Caution: Hot Fat! Remove oven accessories with care.                                       |                     |                                  |                                             |                                                                                                                                  |
| Joints                                                                                                       | -                   | 600 W                            | 15-18 mins<br>per 16 oz. (450 g)            | Place on upturned saucer in micro-safe dish on glass tray. Turn joint over halfway during cooking. Drain off fat during cooking. |
| Gammon covered<br>with water                                                                                 | -                   | 1000 W<br>then 600 W             | 15 mins<br>25-30 mins<br>per 16 oz. (450 g) | Place in large casserole dish with lid and cover with water.                                                                     |

**Note:**

**Always check that food is piping hot after reheating in the microwave. If unsure return to oven. Foods will still require a standing time, especially if they cannot be stirred. The denser the food the longer the standing time.**

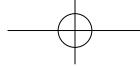


## Cooking Chart (continued)

| Food                                                                     | Weight/<br>Quantity | Power Level | Time to Select<br>(approx)       | Instructions/Guidelines                                           |
|--------------------------------------------------------------------------|---------------------|-------------|----------------------------------|-------------------------------------------------------------------|
| Potato products part cooked – frozen                                     |                     |             |                                  |                                                                   |
| Croquettes                                                               | 12 oz. (340 g)      | Combo 1     | 9-11 mins                        | Place on enamel tray on wire rack on glass tray.<br>Turn halfway. |
| Hash browns                                                              | 12 oz. (340 g)      | Broil 1     | 16-19 mins                       | Place on enamel tray on wire rack on glass tray.<br>Turn halfway. |
| Sausages from raw – caution: Hot Fat! Remove oven accessories with care. |                     |             |                                  |                                                                   |
| Thick                                                                    | 14 oz. (400 g)      | Broil 1     | 17-18 mins                       | Place on wire rack on enamel tray on glass tray.<br>Turn halfway. |
| Turkey from raw- Caution: Hot fat! Remove oven accessories with care.    |                     |             |                                  |                                                                   |
| Turkey, crown                                                            | -                   | Combo 2     | 12-14 mins<br>per 16 oz. (450 g) | Place on enamel tray on glass tray. Turn halfway.                 |
| Fresh vegetables – place in shallow micro-safe dish                      |                     |             |                                  |                                                                   |
| Broad beans                                                              | 16 oz. (450 g)      | 1000 W      | 5-6 mins                         | Add 6 tbsp (90 ml) water. Cover.                                  |
| Beetroot                                                                 | 16 oz. (450 g)      | 600 W       | 12-15 mins                       |                                                                   |
| Brussel sprouts                                                          | 16 oz. (450 g)      | 1000 W      | 8-9 mins                         |                                                                   |
| Cabbage<br>- sliced                                                      | 16 oz. (450 g)      | 1000 W      | 8-10 mins                        |                                                                   |
| Carrots<br>- sliced                                                      | 16 oz. (450 g)      | 1000 W      | 8-10 mins                        |                                                                   |
| Courgettes                                                               | 16 oz. (450 g)      | 1000 W      | 5 mins                           |                                                                   |
| Corn on the cob                                                          | 16 oz. (450 g)      | 1000 W      | 6-7 mins                         |                                                                   |
| Leeks<br>- sliced                                                        | 16 oz. (450 g)      | 1000 W      | 7-8 mins                         |                                                                   |
| Mushrooms                                                                | 16 oz. (450 g)      | 1000 W      | 5 mins                           |                                                                   |
| Spinach                                                                  | 16 oz. (450 g)      | 1000 W      | 6 mins                           |                                                                   |
| Swede<br>- cubed                                                         | 16 oz. (450 g)      | 1000 W      | 8-12 mins                        |                                                                   |
| Frozen vegetables - place in shallow micro-safe dish.                    |                     |             |                                  |                                                                   |
| Beans                                                                    | 16 oz. (450 g)      | 1000 W      | 8 mins                           | Add 2 tbsp (30 ml) water. Cover.                                  |
| Beans<br>- green                                                         | 16 oz. (450 g)      | 1000 W      | 8-9 mins                         |                                                                   |
| Broccoli                                                                 | 16 oz. (450 g)      | 1000 W      | 8-9 mins                         |                                                                   |
| Brussels sprouts                                                         | 16 oz. (450 g)      | 1000 W      | 9-10 mins                        |                                                                   |
| Cabbage<br>- shredded                                                    | 16 oz. (450 g)      | 1000 W      | 7-8 mins                         |                                                                   |
| Carrots<br>- sliced                                                      | 16 oz. (450 g)      | 1000 W      | 8 mins                           |                                                                   |
| Cauliflower                                                              | 16 oz. (450 g)      | 1000 W      | 9-10 mins                        |                                                                   |
| Peas                                                                     | 16 oz. (450 g)      | 1000 W      | 6-7 mins                         |                                                                   |
| Sweetcorn                                                                | 16 oz. (450 g)      | 1000 W      | 7 mins                           |                                                                   |

### Note:

**Always check that food is piping hot after reheating in the microwave. If unsure return to oven. Foods will still require a standing time, especially if they cannot be stirred. The denser the food the longer the standing time.**



## Food Characteristics

### Bone and Fat

Both bone and fat affect cooking. Bones may cause irregular cooking. Meat next to the tips of bones may overcook while meat positioned under a large bone, such as a ham bone, may be undercooked. Large amounts of fat absorb microwave energy and the meat next to these areas may overcook.



### Density

Porous, airy foods such as breads, cakes or rolls take less time to cook than heavy, dense foods such as potatoes and roasts. When reheating donuts or other foods with different centers be very careful. Certain foods have centers made with sugar, water, or fat and these centers attract microwaves (for example, jelly donuts). When a jelly donut is heated, the jelly can become extremely hot while the exterior remains warm to the touch. This could result in a burn if the food is not allowed to cool properly in the center.



### Quantity

Two potatoes take longer to cook than one potato. As the quantity of the food decreases so does the cooking time. Overcooking will cause the moisture content in the food to decrease and a fire could result. Never leave microwave unattended while in use.



### Shape

Uniform sizes heat more evenly. The thin end of a drumstick will cook more quickly than the meaty end. To compensate for irregular shapes, place thin parts toward the center of the dish and thick pieces toward the edge.



### Size

Thin pieces cook more quickly than thick pieces.



### Starting Temperature

Foods that are at room temperature take less time to cook than if they are chilled, refrigerated or frozen.



## Cooking Techniques

### Piercing

Foods with skins or membranes must be pierced, scored or have a strip of skin peeled before cooking to allow steam to escape. Pierce clams, oysters, chicken livers, whole potatoes and whole vegetables. Whole apples or new potatoes should have a 1-inch (2.5 cm) strip of skin peeled before cooking. Score sausages and frankfurters. Do not Cook/Reheat whole eggs, with or without the shell. Steam buildup in whole eggs may cause them to explode, and possibly damage the oven or cause injury. Reheating SLICED hard-boiled eggs and cooking SCRAMBLED eggs is safe.

### Browning

Foods will not have the same brown appearance as conventionally cooked foods or those foods which are cooked utilizing a browning feature. Meats and poultry may be coated with browning sauce, Worcestershire sauce, barbecue sauce or shake-on browning sauce. To use, combine browning sauce with melted butter or margarine and brush on before cooking. For quick breads or muffins, brown sugar can be used in the recipe in place of granulated sugar, or the surface can be sprinkled with dark spices before baking.

### Spacing

Individual foods, such as baked potatoes, cupcakes and appetizers, will cook more evenly if placed in the oven equal distances apart. When possible, arrange foods in a circular pattern.

### Covering

As with conventional cooking, moisture evaporates during microwave cooking. Casserole lids or plastic wrap are used for a tighter seal. When using plastic wrap, vent the plastic wrap by folding back part of the plastic wrap from the edge of the dish to allow steam to escape. Loosen or remove plastic wrap as recipe directs for standing time. When removing plastic wrap covers, as well as any glass lids, be careful to remove them away from you to avoid steam burns. Various degrees of moisture retention are also obtained by using wax paper or paper towels.

### Shielding

Thin areas of meat and poultry cook more quickly than meaty portions. Wooden toothpicks may be used to hold the foil in place.

**▲ CAUTION** is to be exercised when using foil. Arcing can occur if foil is too close to oven wall or door and damage to your oven will result.

### Cooking Time

Cooking times will vary because of food shape variations, starting temperature, and regional preferences. Always cook food for the minimum cooking time given in a recipe and check for doneness. If the food is undercooked, continue cooking. It is easier to add time to an undercooked product. Once the food is overcooked, nothing can be done.

### Stirring

Stirring is usually necessary during microwave cooking. Always bring the cooked outside edges toward the center and the less cooked center portions toward the outside of the dish.

### Rearranging

Rearrange small items such as chicken pieces, shrimp, hamburger patties or pork chops. Rearrange pieces from the edge to the center and pieces from the center to the edge of the dish.

### Turning

It is not possible to stir some foods to distribute the heat evenly. At times, microwave energy will concentrate in one area of the food. To help ensure even cooking, these foods need to be turned. Turn over large foods, such as roasts or turkeys, halfway through cooking.

### Standing Time

Most foods will continue to cook by conduction after the microwave oven is turned off. After cooking meat, the internal temperature will rise 5 °F to 15 °F (3 °C to 8 °C), if allowed to stand, tented with foil, for 10 to 15 minutes. Casseroles and vegetables need a shorter amount of standing time, but this standing time is necessary to allow foods to complete cooking to the center without overcooking on the edges.

### Test for Doneness

The same tests for doneness used in conventional cooking may be used for microwave cooking. Meat is done when fork-tender or splits at fibers. Chicken is done when juices are clear yellow and drumstick moves freely. Fish is done when it flakes and is opaque. Cake is done when a toothpick or cake tester is inserted and comes out clean.

Check foods to see that they are cooked to the United States Department of Agriculture's recommended temperatures.

To test for doneness, insert a meat thermometer in a thick or dense area away from fat or bone. NEVER leave the thermometer in the food during cooking, unless it is approved for microwave oven use.

Cook all food to these minimum internal temperatures as measured with a food thermometer before removing food from oven. For reasons of personal preference, you may choose to cook food at higher temperatures.

| Product                                                                                         | Minimum Internal Temperature & Rest Time                                                              |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Beef, Pork, Veal &amp; Lamb</b><br>Steaks, chops, roasts                                     | 145 °F (63 °C) and allow to rest for at least 3 minutes                                               |
| <b>Ground meats</b>                                                                             | 160 °F (71 °C)                                                                                        |
| <b>Ham</b> , fresh or smoked (uncooked)                                                         | 145 °F (63 °C) and allow to rest for at least 3 min.                                                  |
| <b>Fully Cooked Ham</b> (to reheat)                                                             | Reheat cooked hams packaged in USDA-inspected plants to 140 °F (60 °C); all others to 165 °F (74 °C). |
| <b>All Poultry</b> (breasts, whole bird, legs, thighs, and wings, ground poultry, and stuffing) | 165 °F (74 °C)                                                                                        |
| <b>Eggs</b>                                                                                     | 160 °F (71 °C)                                                                                        |
| <b>Fish &amp; Shellfish</b>                                                                     | 145 °F (63 °C)                                                                                        |
| <b>Leftovers</b>                                                                                | 165 °F (74 °C)                                                                                        |
| <b>Casseroles</b>                                                                               | 165 °F (74 °C)                                                                                        |



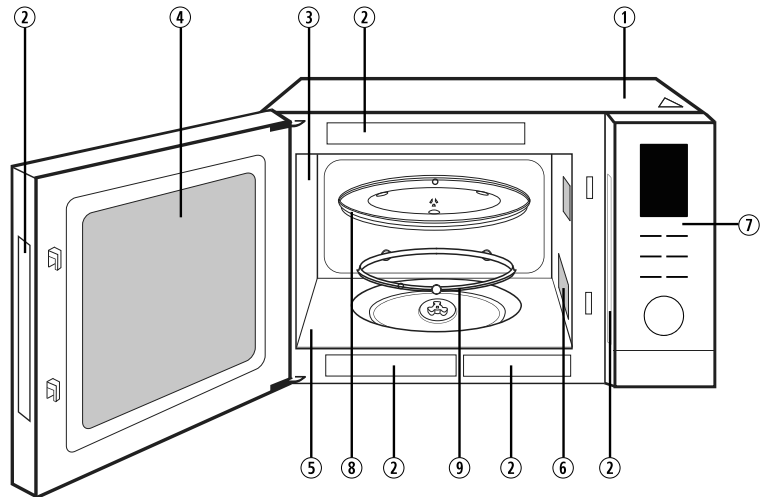
## Care and Cleaning of Your Microwave Oven

Please see below and the following page for particular cleaning instructions for each section of the oven.

**BEFORE CLEANING:** Unplug oven at wall outlet. If outlet is inaccessible, leave oven door open while cleaning.

**AFTER CLEANING:** Be sure to place the Roller Ring and the Glass Tray in the proper position and press **Stop/Reset** Button to clear the Display.

1. **Outside oven surfaces:** Clean with a damp cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into ventilation openings.
2. **Label:** Do not remove. Wipe with a damp cloth.
3. **Inside the Oven:** Wipe with a damp cloth after using. Mild detergent may be used if needed. Do not use harsh detergents or abrasives.
4. **Oven Door:** Wipe with a soft dry cloth when steam accumulates inside or around the outside of the oven door. During cooking, especially under high humidity conditions, steam is given off from the food. (Some steam will condense on cooler surfaces, such as the oven door. This is normal.) Inside surface is covered with a heat and vapor barrier film. **Do not remove.**
5. **Oven Cavity Floor:** Clean the bottom surface of the oven with mild detergent, water or window cleaner, and dry.
6. **Waveguide Cover:** Do not remove Waveguide Cover. **It is important to keep cover clean in the same manner as the inside of the oven. Failure to do so may damage the cover.**
7. **Control Panel:** If the Control Panel becomes wet, clean it with a soft dry cloth. Do not use harsh detergents or abrasives. For some models: The Control Panel is covered with a removable protective film to prevent scratches during shipping. Small bubbles may appear under this film, so if this is the case, remove by applying masking or clear tape to an exposed corner and pull gently.
8. **Glass Tray:** Remove and wash in warm soapy water or in a dishwasher.
9. **Roller Ring:** Roller Ring may be washed in mild soapy water or dishwasher. These areas should be kept clean to avoid excessive noise.



**AS WITH ANY COOKING APPLIANCE, MICROWAVE OVENS REQUIRE THE SAME LEVEL OF CARE TO PREVENT OVERHEATING OR DAMAGE. IT IS IMPORTANT TO KEEP THE OVEN CLEAN AND DRY. FOOD RESIDUE AND CONDENSATION MAY CAUSE RUSTING OR ARCING AND DAMAGE TO THE OVEN. AFTER USE, WIPE DRY ALL SURFACES, INCLUDING VENT OPENINGS, OVEN SEAMS, AND UNDER GLASS TRAY.**

## Shop Accessories

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### Parts Available to Order

|                                     |             |
|-------------------------------------|-------------|
| Owner's Manual (this book).....     | F0003CW90AP |
| Glass Tray.....                     | F0601CD00BP |
| Roller Ring Assembly .....          | F2181CD00BP |
| Wire Rack.....                      | F0602CD60AP |
| Enamel Tray .....                   | F0601BG60BP |
| Airfry Basket .....                 | F0603CD60AP |
| Magic Pot                           |             |
| Lid U (Lid/Knob/Silicon seal) ..... | F460K-C280  |
| Steam tray .....                    | F4601BW60EP |
| Crispy pot .....                    | F4606BW80EP |

## Before Requesting Service

See below before calling for service, as most problems can easily be remedied by following these simple solutions:

| Problem                                                                                                                  | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The oven causes TV interference.                                                                                         | Some radio, TV, Wi-Fi, cordless telephone, baby monitor, blue tooth or other wireless equipment interference might occur when you cook with the microwave oven. This interference is similar to the interference caused by small appliances such as mixers, vacuums, blow dryers, etc. It does not indicate a problem with your oven.                                                                                                     |
| Steam accumulates on oven door and warm air comes from the oven vents.                                                   | During cooking, steam and warm air are given off from the food. Most of the steam and warm air are removed from the oven by the air which circulates in the oven cavity. However, some steam will condense on cooler surfaces such as the oven door. This is normal. After use, the oven should be wiped dry (see page 59).                                                                                                               |
| Smoke and burnt smell will occur after the first use.                                                                    | This is not a malfunction and will go away after a few uses.                                                                                                                                                                                                                                                                                                                                                                              |
| My oven has an odour and generates smoke when using the <b>Airfry, Broil, Convection</b> and <b>Combo</b> function. Why? | After repeated use, it is recommended to clean the oven (see page 59), and then run the oven without food, glass tray and roller ring on Broil for 5 minutes. This will burn off any food, residue or oil which may cause an odour and/or smoking.                                                                                                                                                                                        |
| Oven will not turn on.                                                                                                   | The oven is not plugged in securely or needs to be reset; remove plug from outlet, wait ten seconds and re-insert.<br>Main circuit breaker or main fuse is tripped or blown. Reset main circuit breaker or replace main fuse.<br>There is a problem with the outlet; plug another appliance into the outlet to check if it is working.                                                                                                    |
| Oven will not start cooking.                                                                                             | The door is not closed completely. Close the oven door securely.<br><b>Start</b> was not pressed after programming; Press dial to <b>Start</b> .<br>Another program is already entered into the oven; press <b>Stop/Reset</b> to cancel the previous program and enter new program.<br>The program is not correct; program again according to the Owner's manual.<br><b>Stop/Reset</b> has been pressed accidentally; program oven again. |
| The Glass Tray wobbles.                                                                                                  | The Glass Tray is not positioned properly on the Roller Ring or there is food under the Roller Ring. Take out Glass Tray and Roller Ring. Wipe with a damp cloth and reset Roller Ring and Glass Tray properly.                                                                                                                                                                                                                           |
| When the oven is operating, there is noise coming from the Glass Tray.                                                   | The Roller Ring and oven bottom are dirty; clean these parts according to <b>Care and Cleaning of Your Microwave Oven</b> (see page 59).                                                                                                                                                                                                                                                                                                  |
| The "🔒" appears in the display window.                                                                                   | The CHILD SAFETY LOCK was activated by pressing <b>Stop/Reset</b> three times; Deactivate CHILD SAFETY LOCK by pressing <b>Stop/Reset</b> three times.                                                                                                                                                                                                                                                                                    |
| The "🔒" flashes in the display window.                                                                                   | The CHILD SAFETY DOOR LOCK was activated. Unlock CHILD SAFETY DOOR LOCK by pressing <b>Timer/Clock</b> once, and then pressing the door release button.                                                                                                                                                                                                                                                                                   |
| The oven stops cooking and "H00", "H97" or "H98" appears in the display.                                                 | The oven's power supply has failed; please contact an authorized Service Center (see next page).                                                                                                                                                                                                                                                                                                                                          |
| "HOT INSIDE WAIT" appears in the display window.                                                                         | The cavity is overheated. Operate again after it cools down. Please open the door in order to cool the temperature of the cavity more quickly.                                                                                                                                                                                                                                                                                            |
| "DEMO MODE PRESS ANY KEY" or "D" appears in the display window.                                                          | The oven is under demonstration mode. Press <b>Microwave</b> button once, <b>Start</b> 4 times and <b>Stop/Reset</b> button 4 times.                                                                                                                                                                                                                                                                                                      |