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› [SHARP SMD2470ASY 24-inch Microwave Drawer Oven Instruction Manual](#)

Sharp SMD2470ASY

SHARP SMD2470ASY 24-inch Microwave Drawer Oven

Instruction Manual

Model: SMD2470ASY | Brand: Sharp

1. INTRODUCTION

The SHARP SMD2470ASY Microwave Drawer Oven is designed for modern kitchens, offering flexible placement and a sleek, integrated appearance. This 24-inch, 1.2 cubic feet, 950-watt appliance features a concealed control panel and an automatic drawer system for convenient operation. Its design allows for installation below an island, peninsula, or standard cabinetry, or even below a wall oven, optimizing kitchen space and aesthetics.

Key Features:

- **Automatic Drawer System:** Smoothly opens and enables hands-free closing for convenient operation.
- **Convenient Kitchen Placement:** Allows for easier cooking, saving prep and cleanup time with flexible positioning.
- **Concealed Control Panel:** Opens to an easy-to-read and operate 45-degree angle for seamless access.
- **Spacious Cooking Capacity:** Large enough for a 4-quart casserole dish or a 20-ounce beverage with 1.2 cubic feet interior.

2. IMPORTANT SAFETY INFORMATION

Read all instructions carefully before using the appliance to reduce the risk of fire, electric shock, injury to persons, or exposure to excessive microwave energy.

General Safety Precautions:

- Do not attempt to operate this oven with the door open or if the door is damaged.
- Do not heat liquids or other foods in sealed containers as they are liable to explode.
- Do not use corrosive chemicals or vapors in this appliance.
- Always supervise children when they are using the microwave.
- Ensure proper grounding to avoid electrical shock hazards.

3. SETUP & INSTALLATION

The SMD2470ASY Microwave Drawer Oven is designed for built-in installation. Proper placement and ventilation are crucial for optimal performance and safety. Refer to the detailed installation manual for complete instructions.

Placement Options:

- Below an island or peninsula.
- Below standard cabinetry.
- Below a wall oven.

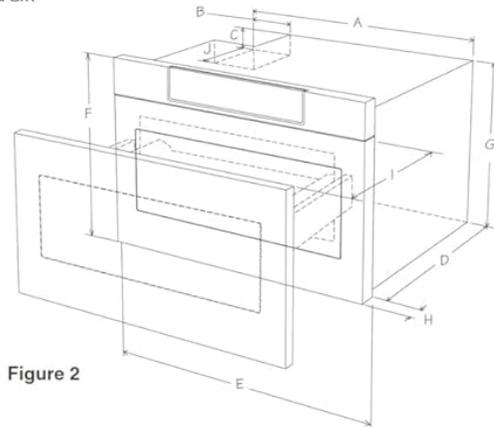
Dimensions and Cutout Requirements:

Carefully measure your installation area to ensure proper fit and ventilation. Consult the provided diagrams for precise measurements.

The following are measurements only.
Do not use to install microwave drawer™ oven.

For detailed installation instructions, please refer to the installation manual.

PRODUCT DIMENSIONS

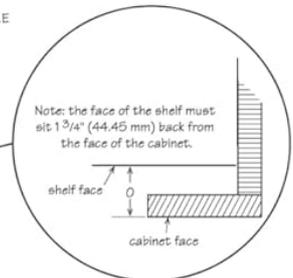
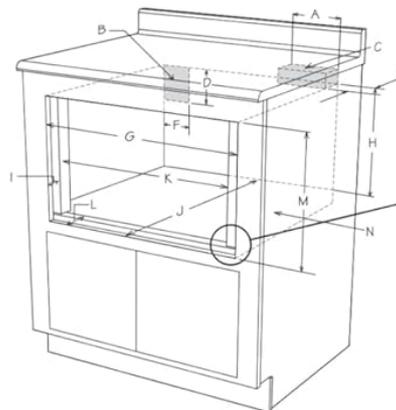
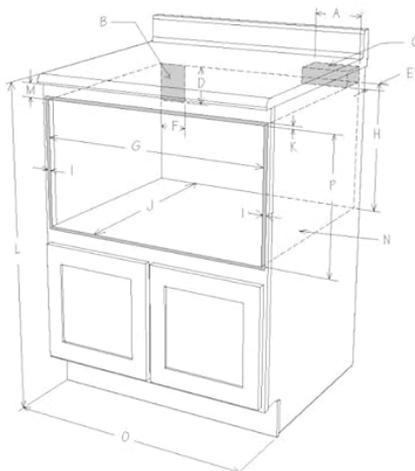


- A. 21-5/8" (549.28 mm)
- B. 4-11/16" (119.06 mm)
- C. 1-3/4" (44.45 mm)
- D. 21-7/8" (555.63 mm)
- E. 23-7/8" (606.43 mm)
- F. 15-7/8" (403.23 mm)
- G. 14-19/32" (370.68 mm)
- H. 1-1/4" (31.75 mm) door thickness
- I. 15" (381 mm) auto drawer opening
- J. 4" (101.6 mm)

Figure 2

STANDARD MOUNT MEASUREMENTS

FLUSH MOUNT MEASUREMENTS WITH DEFLECTOR VENT



- | | | | |
|--|--|--|---|
| <ul style="list-style-type: none"> A. 6" (152.40 mm) B. Suggested electrical outlet location C. Anti-Tip block D. 5" (127 mm) E. 3-1/2" (88.90 mm) F. 4" (101.60 mm) G. 22-1/8" (561.97 mm) opening H. 14-13/16" (376.24 mm) to bottom of Anti-Tip block | <ul style="list-style-type: none"> I. Allow 7/8" (22.22 mm) overlap J. 23-1/2" (596.90 mm) min. depth K. Allow 1/4" overlap L. 36" (914.40 mm) countertop height M. Allow 1/4" min. space N. Floor must support 100 lb/45.4 kg O. 24" (609.60 mm) cabinet min. P. 15-9/16" (395.29 mm) opening | <ul style="list-style-type: none"> A. 6" (152.40 mm) B. Suggested electrical outlet location C. Anti-Tip block D. 5" (127 mm) E. 3-1/2" (88.90 mm) F. 4" (101.60 mm) G. 24-3/16" (614.35 mm) minimum 24-1/2" (622.3 mm) maximum | <ul style="list-style-type: none"> H. 14-13/16" (376.24 mm) to bottom of Anti-Tip block I. 1-1/16" (26.97 mm) J. 23-1/2" (596.90 mm) minimum depth K. 22-1/8" (561.97 mm) L. 1-3/4" (44.45 mm) M. 16-7/8" (428.62 mm) opening N. Floor must support 100 lb (45.4 kg) O. 1-3/4" (44.45 mm) |
|--|--|--|---|

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Figure 1: Standard and Flush Mount Installation Measurements. This diagram illustrates the necessary cutout dimensions for both standard and flush mounting options, ensuring proper fit within cabinetry.

- **Interior Cavity Dimensions:** 17-5/16" x 7-1/8" x 16-9/16" (W x H x D)
- **Product Dimensions:** 23-7/8" x 15-7/8" x 23" (W x H x D)
- **Standard Mount Cutout Dimensions:** 22-1/8" x 15-9/16" x 23-1/2" (W x H x D)
- **Flush Mount Cutout Dimensions:** 24-3/16" x 16-7/8" x 23-1/2" (W x H x D)



Figure 2: Product Dimensions. This image provides a visual representation of the microwave drawer's external dimensions, including width, height, and depth.

4. OPERATING INSTRUCTIONS

The SMD2470ASY features an intuitive control panel that is concealed when not in use, maintaining a clean kitchen aesthetic. The automatic drawer system ensures smooth and effortless access to the cooking cavity.

Control Panel:

The control panel is located at the top of the drawer and tilts out at a 45-degree angle for easy viewing and operation. It includes a digital LCD display and various function buttons.



Figure 3: Concealed Control Panel. This image shows the digital LCD display and touch controls, which are hidden until activated.

Basic Operation:

1. **Open the Drawer:** Gently pull the control panel forward or press the 'OPEN' button on the control panel. The drawer will slide out automatically.
2. **Place Food:** Place your food or beverage directly onto the ceramic tray inside the drawer.
3. **Close the Drawer:** Press the 'CLOSE' button or gently push the drawer inward. It will close smoothly and automatically.
4. **Select Cooking Function:** Use the touch controls to select desired cooking time, power level, or a preset sensor cooking option.
5. **Start Cooking:** Press the 'START' button.

Easy Touch Automatic Drawer

Easy Touch Automatic Drawer System smoothly opens and enables hands-free close.



Figure 4: Easy Touch Automatic Drawer. A finger activates the 'OPEN' button, demonstrating the smooth, hands-free operation of the microwave drawer.

Sensor Cooking:

The oven features advanced Sensor Cook technology for precise defrost and cooking capabilities. Select from various sensor options such as Popcorn, Reheat, Beverage, Defrost, Potatoes, and Vegetables. The sensor automatically adjusts cooking time and power levels for optimal results.

Think Less. Cook More.

The SMD2470AH eliminates the guesswork from cooking with its advanced Sensor Cook® technology for precise defrost capabilities.



Simulated images, results may vary.

Figure 5: Sensor Cook Technology. This image highlights the microwave's ability to precisely cook and defrost various food items, from roasted potatoes to raw meat patties, using its advanced sensor technology.

Special Functions:

- **Melt/Soften:** Ideal for melting butter, chocolate, or softening cream cheese.
- **Keep Warm:** Maintains food at a warm temperature after cooking.
- **Help/Settings:** Access additional settings and information.

Seamless Design, Spacious Convenience

The 24-inch SMD2470AH offers plenty of cooking space, large enough for a 4-qt casserole dish or a 20-oz. beverage.



Figure 6: Spacious Interior. A large casserole dish fits comfortably inside the microwave drawer, showcasing its generous 1.2 cubic feet capacity.

5. CARE & MAINTENANCE

Regular cleaning and maintenance will ensure the longevity and optimal performance of your microwave drawer oven.

Cleaning the Interior:

- Wipe the interior with a soft, damp cloth and mild soap after each use.
- For stubborn stains, use a microwave-safe cleaner.
- Ensure the ceramic tray is clean and free of food debris.

Cleaning the Exterior:

- Clean the stainless steel exterior with a soft cloth and a stainless steel cleaner.
- Avoid abrasive cleaners or scouring pads that can scratch the surface.

- Wipe the control panel gently with a damp cloth.

6. TROUBLESHOOTING

If you encounter any issues with your microwave drawer oven, refer to the following common troubleshooting tips before contacting customer support.

Common Issues:

- **Oven Not Operating:** Check if the appliance is properly plugged in. Ensure the circuit breaker has not tripped. Make sure the drawer is fully closed.
- **Food Not Heating:** Verify that the cooking time and power level are set correctly. Ensure the door is securely closed.
- **Unusual Noises:** Minor operational noises are normal. If loud or unusual noises occur, ensure no foreign objects are obstructing the drawer mechanism.
- **Control Panel Unresponsive:** Try resetting the appliance by unplugging it for a few minutes and then plugging it back in.

For persistent issues, please contact Sharp customer support.

7. SPECIFICATIONS

Detailed technical specifications for the SHARP SMD2470ASY Microwave Drawer Oven.

Feature	Specification
Brand Name	Sharp
Model Info	SMD2470ASY
Item Weight	74 pounds
Product Dimensions	23-7/8"D x 15-7/8"W x 23"H
Item Model Number	SMD2470ASY
Energy Use	950 Watts
Capacity	1.2 Cubic Feet
Installation Type	Built-In
Part Number	SMD2470AS
Special Features	Defrost
Oven Cooking Mode	Electric
Color	Stainless Steel
Voltage	120 Volts
Material Type	Stainless Steel
Inner Material Type	Stainless Steel

Feature	Specification
Included Components	Microwave

SHARP | Simply Better Living



24 in. Microwave Drawer™ Oven

SMD2470ASY

- Automatic Drawer System, Opens with a Press of a Button and Gently Closes with a Soft Nudge
- Hidden Touch Glass Panel Opens at 45°
- Sensor Cook Menu for Precise Cooking and Reheating
- Fits a 20 oz. Cup or 4 qt. Casserole Dish
- Install Below an Island, Peninsula, or Standard Cabinetry
- Built-In Airflow Control for Flush Installation

FEATURES

Finish	Stainless Steel
Drawer Opening	Automatic Door, Open/Close Button
Width	24"
Capacity (cu. ft.)	1.2
Output Power (watts)	950
Open/Close	Yes
Start/+30 Sec	Yes
Stop/Clear	Yes
Power Level	00
Minute Plus™	Yes
Interior Light	Yes
Kitchen Timer	Yes
Clock	Yes
Control Lock	Yes
Demo Mode	Yes
Built-In Ready for Easy Installation	Yes

CONTROL PANEL

Control Panel Location	Center/Top
Control Panel Type	Touchpad, Drop-Down 45° Angle
Display Type	LCD
Display Color	White on Black Background

COOKING / MENU PRESETS

Sensor Cook, Reheat and Popcorn	Yes, 12 settings
Reheat Auto Settings	2 settings
Defrost Auto Settings	6 settings
Microwave Keep Warm Setting	Yes, up to 30 minutes

ADDITIONAL FEATURES

Flush Mount Ready	Yes, (Kit Sold Separately)
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OPTIONAL ACCESSORY

24" Flush Mount Deflector Vent	SKMD24F0AS
Flush Mount Deflector Vent Kit (1)	PREF-B019MRP0
	(2) LX-CZB055MRE0

Product Name	Under the Counter Drawer Pedestal
Model	SKMD24U0ES
Color	Stainless Steel or Custom Panel Ready
UPC	074000620865

ADDITIONAL SPECIFICATIONS

Power Ratings:	120V, 60Hz / 1.67kW, 14.5 Amps
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DIMENSIONS & WEIGHT (IN./LBS.) (W X H X D)

Interior Cavity Dimensions	17-5/16" x 7-1/8" x 16-9/16"
Product Dimensions	23-7/8" x 15-7/8" x 23"
Shipping Dimensions	27-3/4" x 21-3/4" x 29-1/4"
Product Weight / Shipping Weight	74.0 lbs. / 84.5 lbs.
Standard Mount Cutout Dimensions	22-1/8" x 15-9/16" x 23-1/2"
Flush Mount Cutout Dimensions	24-3/16" x 16-7/8" x 23-1/2"

WARRANTY/UPC

Parts	1 Year (In-Home Limited)
Labor	1 Year (In-Home Limited)
Magnetron Tube	4 Years Additional (Parts Only)
UPC	074000619371

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10/22/2025

Figure 7: Product Feature and Specification Sheet. This document provides a comprehensive overview of the microwave's features, control panel options, and additional specifications.

8. WARRANTY AND SUPPORT

Sharp provides a limited warranty for this product. Please refer to the warranty card included with your purchase for specific terms and conditions. For technical assistance, service, or to order replacement parts, please contact Sharp customer support through their official website or the contact information provided in your product documentation.

Warranty Period: 1 Year (Home Limited) for parts and labor, 4 Years Additional (Parts Only) for Magnetron Tube.

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