

Lot 235-1 MP

July 29, 22

INSTALLATION INSTRUCTIONS 27" (68.6 CM) AND 30" (76.2 CM) ELECTRIC BUILT-IN MICROWAVE/OVEN COMBINATION

INSTRUCTIONS D'INSTALLATION ENSEMBLE FOUR À MICRO-ONDES ET FOUR CONVENTIONNEL ÉLECTRIQUES ET ENCASTRÉS DE 27" (68,6 CM) ET 30" (76,2 CM)

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IMPORTANT:

Save for local electrical inspector's use.

IMPORTANT :

À conserver pour consultation par l'inspecteur local des installations électriques.

BUILT-IN MICROWAVE/OVEN COMBINATION SAFETY

Your safety and the safety of others are very important.

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



This is the safety alert symbol.

This symbol alerts 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" or "WARNING."

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.

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.

INSTALLATION REQUIREMENTS

Tools and Parts

Gather the required tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

Tools Needed

- Phillips screwdriver
- Measuring tape
- Drill (for wall cabinet installations)
- 1" (2.5 cm) drill bit (for wall cabinet installations)
- Level
- Flat-blade screwdriver

Parts Needed

- UL listed or CSA approved conduit connector
- UL listed wire connectors
- Warming Drawer Deflector Kit (for ovens installed above a warming drawer)

Order Part Number W10489566B for white 27" (68.6 cm) kit
Order Part Number W10489564B for black 27" (68.6 cm) kit
Order Part Number W10489568A for stainless steel 27" (68.6 cm) kit

Order Part Number W10489567B for white 30" (76.2 cm) kit
Order Part Number W10489565B for black 30" (76.2 cm) kit
Order Part Number W10489569A for stainless steel 30" (76.2 cm) kit
Order Part Number W10727416A for stainless steel/black 30" (76.2 cm) kit

To order, see the "Assistance or Service" section of the Use and Care Guide.

- Flush Installation Kit (for Combo installed at flush installation)

Order Part Number W10752694A for white 27" (68.6 cm) kit
Order Part Number W10752695A for black 27" (68.6 cm) kit
Order Part Number W10752696A for stainless steel 27" (68.6 cm) kit
Order Part Number W10752687A for white 30" (76.2 cm) kit
Order Part Number W10752688A for black 30" (76.2 cm) kit
Order Part Number W10752693A for stainless steel 30" (76.2 cm) kit
Order Part Number W10752691A for black/stainless steel 30" (76.2 cm) kit

To order, see the "Assistance or Service" section of the Use and Care Guide.

Parts Supplied

- #8-14 x 1" screws (4)
- Bottom vent
- #8-18 x 3/8" screws - bottom vent (2)

Check local codes. Check existing electrical supply. See "Electrical Requirements."

It is recommended that all electrical connections be made by a licensed, qualified electrical installer.

Built-In Microwave/Oven Combination Location Requirements

IMPORTANT: Observe all governing codes and ordinances.

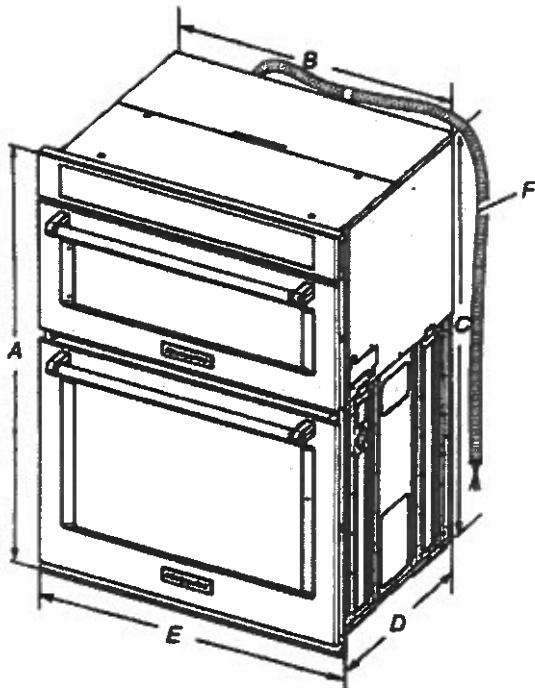
- Cabinet opening dimensions that are shown must be used. Given dimensions provide minimum clearance with oven.
- Recessed installation area must provide complete enclosure around the recessed portion of the oven.
- Grounded electrical supply is required. See "Electrical Requirements" section.

- Electrical supply junction box should be located 3" (7.6 cm) maximum below the support surface when the oven is installed in a wall cabinet. A 1" (2.5 cm) minimum diameter hole should have been drilled in the left rear corner of the support surface to pass the appliance cable through to the junction box.
- Oven support surface must be solid, level and flush with bottom of cabinet cutout. Floor must be able to support a total weight (microwave and built-in oven) of 208 lbs (95 kg) for 27" (68.6 cm) models or 249 lbs (113 kg) for 30" (76.2 cm) models.

IMPORTANT: To avoid damage to your cabinets, check with your builder or cabinet supplier to make sure that the materials used will not discolor, delaminate or sustain other damage. This oven has been designed in accordance with the requirements of UL and CSA International and complies with the maximum allowable wood cabinet temperatures of 194°F (90°C).

Product Dimensions

27" and 30" (68.6 cm and 76.2 cm) Ovens

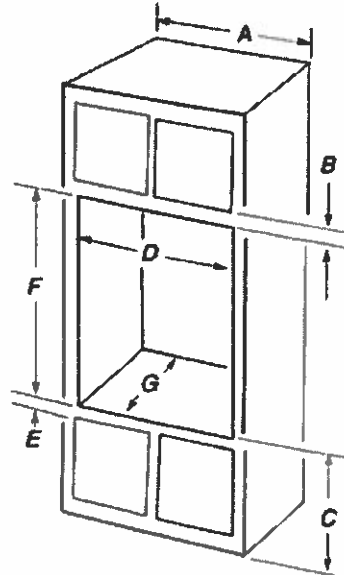


- 27" (68.6 cm) models**
 A. 42 9/16" (108.0 cm) overall height
 B. 25 1/4" (64.6 cm) recessed width
 C. 41" (104.1 cm) recessed height
 D. 23 1/2" (59.1 cm) max. recessed depth
 E. 27" (68.6 cm) overall width
 F. 48" (121.9 cm) flexible conduit length measured from the conduit clamp located at the rear of the oven. Do not remove the conduit clamp.

- 30" (76.2 cm) models**
 A. 42 9/16" (108.0 cm) overall height
 B. 28 1/4" (72.2 cm) recessed width
 C. 41" (104.1 cm) recessed height
 D. 23 1/2" (59.1 cm) max. recessed depth
 E. 30" (76.2 cm) overall width
 F. 48" (121.9 cm) flexible conduit length measured from the conduit clamp located at the rear of the oven. Do not remove the conduit clamp.

Cabinet Dimensions

27" and 30" (68.6 cm and 76.2 cm) Ovens



27" (68.6 cm) models

- A. 27" (68.6 cm) min. cabinet width
 B. 1" (2.5 cm) top of cutout to bottom of upper cabinet door
 C. 19 1/2" (48.9 cm) bottom of cutout to floor is recommended, 4"-19 1/2" (10.2-48.9 cm) bottom of cutout to floor is acceptable.
 D. 25 1/2" (64.8 cm) cutout width
 E. 1 1/2" (3.8 cm) min. bottom of cutout to top of cabinet door
 F. 41 1/4" (105 cm)* recommended cutout height
 G. 24" (60.7 cm) cutout depth

30" (76.2 cm) models

- A. 30" (76.2 cm) min. cabinet width
 B. 1" (2.5 cm) top of cutout to bottom of upper cabinet door
 C. 19 1/2" (48.9 cm) bottom of cutout to floor is recommended, 4"-19 1/2" (10.2-48.9 cm) bottom of cutout to floor is acceptable.
 D. 28 1/2" (72.4 cm) cutout width
 E. 1 1/2" (3.8 cm) min. bottom of cutout to top of cabinet door
 F. 41 1/4" (105 cm)* recommended cutout height
 G. 24" (60.7 cm) cutout depth

*NOTE: The cutout height can be between 41" and 41 1/2" (104.1 cm and 105.6 cm) for microwave/oven combination.

Electrical Requirements

If codes permit and a separate ground wire is used, it is recommended that a qualified electrical installer determine that the ground path and wire gauge are in accordance with local codes.

Check with a qualified electrical installer if you are not sure the oven is properly grounded.

This oven must be connected to a grounded metal, permanent wiring system.

Be sure that the electrical connection and wire size are adequate and in conformance with the National Electrical Code, ANSI/NFPA 70-latest edition or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91-latest edition, and all local codes and ordinances.

A copy of the above code standards can be obtained from:

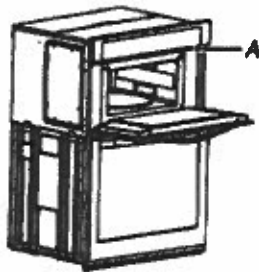
National Fire Protection Association
 1 Batterymarch Park
 Quincy, MA 02169-7471

CSA International
 8501 East Pleasant Valley Road
 Cleveland, OH 44131-5575

Electrical Connection

To properly install your oven, you must determine the type of electrical connection you will be using and follow the instructions provided for it here.

- Oven must be connected to the proper electrical voltage, amperage, and frequency as specified on the model/serial/rating plate. See the following illustration.



A. Model/serial/rating plate

- Models rated from 7.3 to 9.6 kW at 240 volts (5.4 to 7.4 kW at 208 volts) require a separate 40-amp circuit. Models rated at 4.8 kW and below at 240 volts (3.6 kW and below at 208 volts) require a separate 30-amp circuit.
- A circuit breaker is recommended.
- Connect directly to the fused disconnect (or circuit breaker box) through flexible, armored or nonmetallic sheathed, copper cable (with grounding wire). See "Make Electrical Connection" section.

- Flexible conduit from the oven should be connected directly to the junction box.
- Do not cut the conduit. The length of conduit provided is for serviceability of the oven.
- A UL listed or CSA approved conduit connector must be provided.
- If the house has aluminum wiring, follow the procedure below:

1. Connect a section of solid copper wire to the ends of the flexible conduit leads.
2. Connect the aluminum wiring to the added section of copper wire using special connectors and/or tools designed and UL listed for joining copper to aluminum.

Follow the electrical connector manufacturer's recommended procedure. Aluminum/copper connection must conform with local codes and industry accepted wiring practices.

For power requirements, refer to the following table.

| Model | Voltage | Amperage (L1)* | Amperage (L2)* | Rating (W) |
|-----------------------|---------|----------------|----------------|------------|
| KOCE507E/ KOCE500E | 120/240 | 32 | 30 | 8000 |
| KOCE507E/ KOCE500E | 120/208 | 30 | 28 | 6600 |

*Amperage values noted above are for information purposes only: The units are rated in watts.

INSTALLATION INSTRUCTIONS

Prepare Built-In Microwave/Oven Combination

1. Decide on the final location for the oven. Locate existing wiring to avoid drilling into or severing wiring during installation.

⚠ WARNING

Excessive Weight Hazard

Use two or more people to move and install oven.

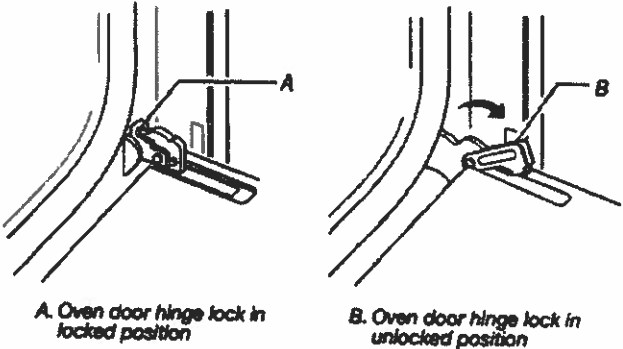
Failure to do so can result in back or other injury.

2. To avoid floor damage, set the oven onto cardboard prior to installation. Do not use handle or any portion of the front frame for lifting.
3. Remember to remove bottom vent from the foam packing on top of oven.
4. Remove the shipping materials and tape from the oven.
5. Remove the hardware package from inside the bag containing literature.
6. Remove and set aside racks and other parts from inside the oven.
7. Move oven and cardboard close to the oven's final location.

Remove Oven Door(s)

IMPORTANT: Use two hands to remove oven door.

1. Prior to removing the oven door, prepare a surface where you will place it. This surface should be flat and covered with a soft blanket, or use the corner posts from your packaging material.
2. Open the oven door.
3. Locate the oven door hinge locks in both corners of the oven door, and then rotate the hinge locks toward the oven door to the unlocked position. If the door hinge lock is not rotated fully (see illustration B), the door will not remove properly.



Lot 235-1 (U)
July 29, 22

INSTALLATION INSTRUCTIONS
30" (76.2 CM) AND 36" (91.4 CM)
GAS BUILT-IN COOKTOP

INSTRUCTIONS D'INSTALLATION
DE LA TABLE DE CUISSON À GAZ ENCASTRÉE DE
30" (76,2 CM) ET 36" (91,4 CM)

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IMPORTANT:

Installer: Leave installation instructions with the homeowner.

Homeowner: Keep installation instructions for future reference.

IMPORTANT :

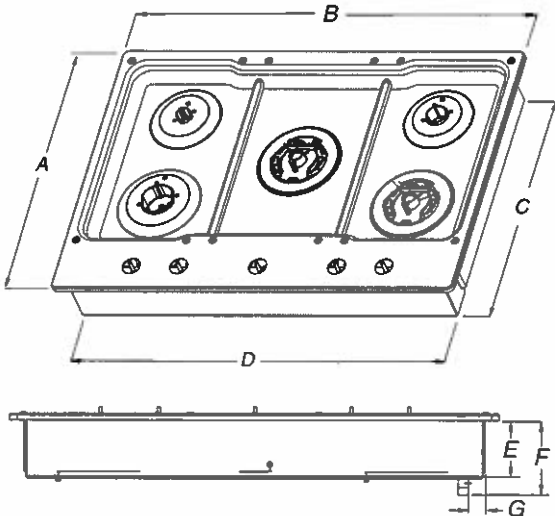
Installateur : Remettre les instructions d'installation au propriétaire.

Propriétaire : Conserver les instructions d'installation pour référence ultérieure.

W10597144A

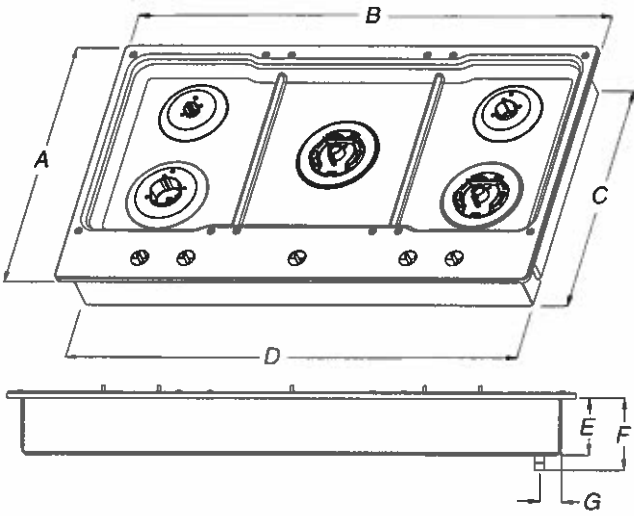
Product Dimensions

KCGS550ESS and KCGS950ESS Models



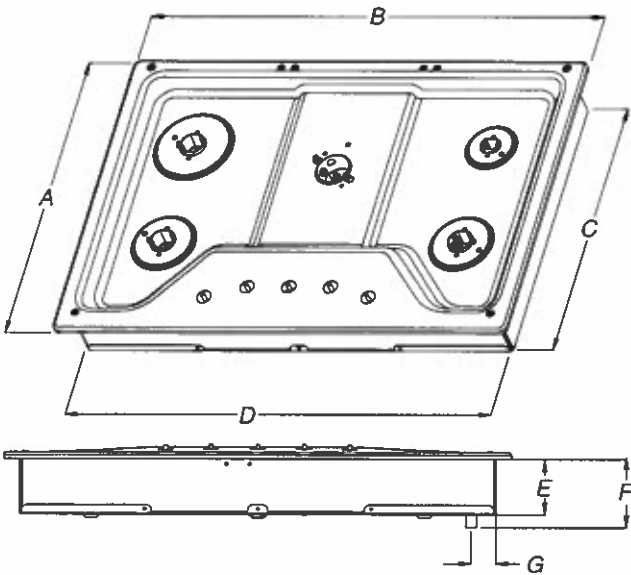
- A. 21" (53.3 cm)
- B. 30" (76.2 cm)
- C. 19 3/8" (49.2 cm)
- D. 28 3/8" (72.1 cm)
- E. 3 5/8" (9.2 cm)
- F. 4 5/16" (11.6 cm)
- G. 1 3/8" (3.4 cm)

KCGS556ESS and KCGS956ESS Models



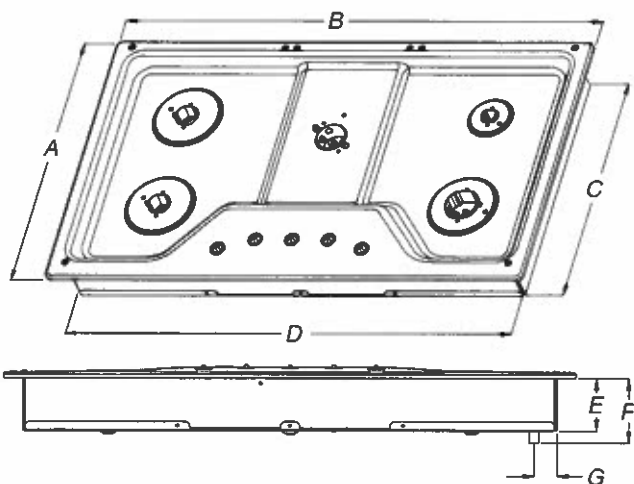
- A. 21" (53.3 cm)
- B. 36 1/4" (92.0 cm)
- C. 19 3/8" (49.2 cm)
- D. 34 3/8" (88.1 cm)
- E. 3 5/8" (9.2 cm)
- F. 4 5/16" (11.6 cm)
- G. 1 1/8" (3.6 cm)

All Other 30" (76.2 cm) Models



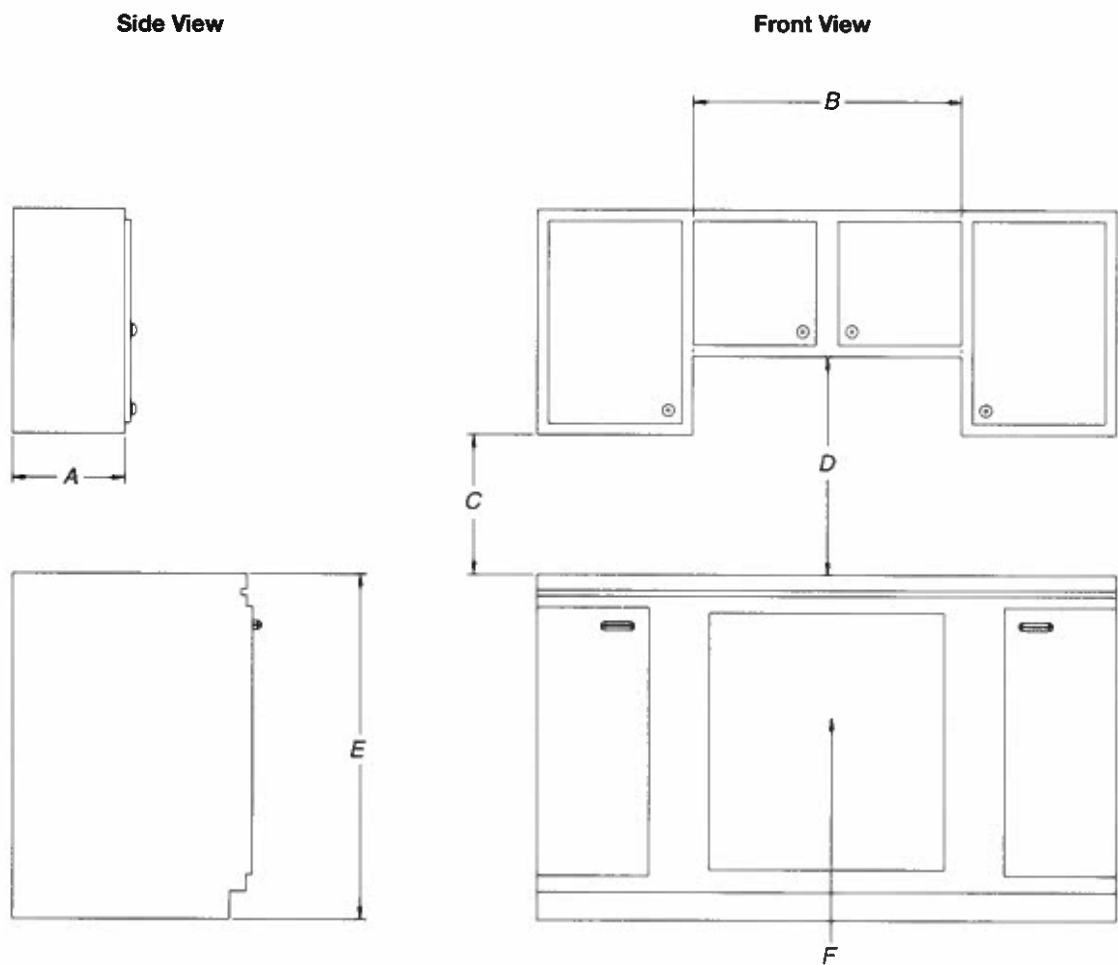
- A. 21" (53.3 cm)
- B. 30" (76.2 cm)
- C. 18 7/8" (48.0 cm)
- D. 28 3/8" (72.1 cm)
- E. 3 3/8" (8.6 cm)
- F. 4 1/8" (10.5 cm)
- G. 1 1/2" (3.8 cm)

All Other 36" (91.4 cm) Models



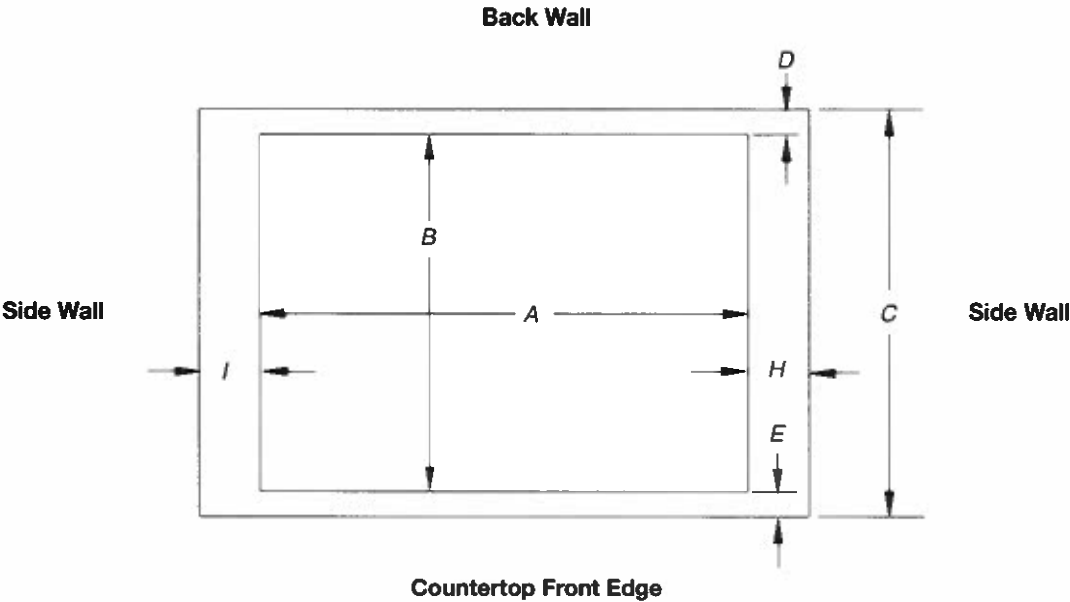
- A. 21" (53.3 cm)
- B. 36" (91.4 cm)
- C. 18 7/8" (48.0 cm)
- D. 33 3/4" (85.7 cm)
- E. 3 3/8" (8.6 cm)
- F. 4 1/8" (10.5 cm)
- G. 1 1/2" (3.8 cm)

Cabinet Clearances



- A. 13" (33.0 cm) recommended upper cabinet depth.
- B. 30" (76.2 cm) for 30" models; 36" (91.4 cm) for 36" models.
- C. 18" (45.7 cm) minimum clearance from upper cabinet to countertop within minimum horizontal clearances to cooktop.
- D. 30" (76.2 cm) minimum clearance between top of cooktop platform and bottom of uncovered wood or metal cabinet.
24" [61 cm] minimum clearance if bottom of wood or metal cabinet is covered by not less than 1/4" [0.6 cm] flame retardant millboard covered with not less than No. 28 MSG sheet steel, 0.015" [0.04 cm] stainless steel, or 0.024" [0.06 cm] aluminum or 0.020" [0.05 cm] copper.
- E. 36" (91.4 cm) top of countertop to floor.
- F. Gas line opening - Wall: anywhere 5" (12.7 cm) below underside of countertop. Cabinet floor: anywhere within 6" (15.2 cm) of rear wall is recommended.

Cutout Dimensions - Top View



| Cutout (Product Opening) Dimensions | | | | | | |
|-------------------------------------|-------------------|-------------------|--------------------|-------------------|---------------------|---------------|
| 30" (76.2 cm) Models | | | | | | |
| Models | A | | | B | | |
| | Min | Recommended | Max | Min | Recommended | Max |
| KCGS550 and KCGS950 | 28 1/2" (72.4 cm) | 28 7/8" (73.4 cm) | 29 5/16" (74.3 cm) | 19 1/2" (49.5 cm) | 19 13/16" (50.2 cm) | 20" (50.8 cm) |
| All Other 30" (76.2 cm) Models | 28 1/2" (72.4 cm) | 28 7/8" (73.4 cm) | 29 5/16" (74.3 cm) | 19" (48.3 cm) | 19 1/8" (49.5 cm) | 20" (50.8 cm) |
| 36" (91.4 cm) Models | | | | | | |
| KCGS556 and KCGS956 | 34 7/8" (88.4 cm) | 35 3/8" (89.4 cm) | 35 5/8" (90.3 cm) | 19 1/2" (49.5 cm) | 19 13/16" (50.2 cm) | 20" (50.8 cm) |
| All Other 36" (91.4 cm) Models | 33 7/8" (86.0 cm) | 34 3/8" (87.0 cm) | 35 1/4" (89.5 cm) | 19" (48.3 cm) | 19 1/8" (49.5 cm) | 20" (50.8 cm) |

| Side Walls (Combustible Surfaces) | |
|---|---|
| Models | H and I |
| KCGS5 and KCGS9 | H and I added together must be at least 48" (122.0 cm), with each side individually being at least 8" (20.3 cm). |
| KCGS350, KCGS356, MGC9536, WCG97US0, WCG97US6 | H and I added together must be at least 48" (122.0 cm), with each side individually being at least 12" (30.5 cm). |
| All Other Models | Both have to be 8" (20.3 cm) or more. |

| Back Wall and Countertop Front Dimensions | | | |
|---|---------------|-----------------|-----------------|
| Models | C | D | E |
| KCGS550 and KCGS950 | 25" (63.5 cm) | 2 7/8" (7.3 cm) | 2 3/4" (6.9 cm) |
| All Other Models | | | 3 1/8" (7.9 cm) |

NOTES: After making the countertop cutout, some installations may require notching down the base cabinet side walls to clear the cooktop base. To avoid this modification, use a base cabinet with sidewalls wider than the cutout.

If cabinet has a drawer, a 4" (10.2 cm) depth clearance from the countertop to the top of the drawer (or other obstruction) in base cabinet is required. The drawer depth may need to be shortened to avoid interfering with the regulator.

IMPORTANT: If a built-in wall oven is to be installed below this cooktop, the grounded outlet and gas supply piping must be located in an adjacent cabinet.

This cooktop and its gas and electrical supply sources must be installed before the undercounter built-in wall oven is installed.

Electrical Requirements

⚠ WARNING



Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

Failure to follow these instructions can result in death, fire, or electrical shock.

IMPORTANT: The cooktop must be electrically grounded in accordance with local codes and ordinances, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 or Canadian Electrical Code, CSA C22.1.

If codes permit and a separate ground wire is used, it is recommended that a qualified electrical installer determine that the ground path is adequate.

A copy of the above code standards can be obtained from:

National Fire Protection Association
One Batterymarch Park
Quincy, MA 02269

CSA International
8501 East Pleasant Valley Road
Cleveland, Ohio 44131-5575

- A 120 volt, 60 Hz, AC only, 15-amp, fused electrical circuit is required. A time-delay fuse or circuit breaker is also recommended. It is recommended that a separate circuit serving only this cooktop be provided.
- Electronic ignition systems operate within wide voltage limits, but proper grounding and polarity are necessary. Check that the outlet provides 120-volt power and is correctly grounded.
- The wiring diagrams are provided with this cooktop. See "Wiring Diagrams" on a separate sheet. The wiring diagrams are located on the left underside of the cooktop base.

Gas Supply Requirements

⚠ WARNING



Explosion Hazard

Use a new CSA International approved gas supply line.

Install a shut-off valve.

Securely tighten all gas connections.

If connected to LP, have a qualified person make sure gas pressure does not exceed 14" (36 cm) water column.

Examples of a qualified person include:

**licensed heating personnel,
authorized gas company personnel, and
authorized service personnel.**

Failure to do so can result in death, explosion, or fire.

Observe all governing codes and ordinances.

IMPORTANT: This installation must conform with all local codes and ordinances. In the absence of local codes, installation must conform with American National Standard, National Fuel Gas Code ANSI Z223.1 - latest edition or CAN/CGA B149 - latest edition.

IMPORTANT: Leak testing of the cooktop must be conducted according to the manufacturer's instructions.

Type of Gas

Natural Gas:

This cooktop is design-certified by CSA International for use with Natural gas or, after proper conversion, for use with LP gas.

- This cooktop is factory set for use with Natural gas. If converting to LP gas, see the "LP Gas Conversion" instructions provided in the package containing literature. The model/serial rating plate located on the underside of the cooktop base has information on the types of gas that can be used. If the types of gas listed do not include the type of gas available, check with the local gas supplier.

LP Gas Conversion:

Conversion must be done by a qualified service technician.

No attempt shall be made to convert the cooktop from the gas specified on the model/serial rating plate for use with a different gas without consulting the serving gas supplier. See the Gas Conversion instructions provided in the package containing literature.

Gas Supply Line

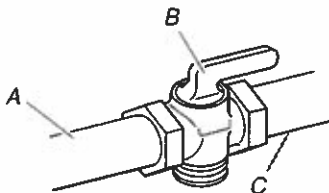
- Provide a gas supply line of 3/4" (1.9 cm) rigid pipe to the cooktop location. A smaller size pipe on longer runs may result in insufficient gas supply. Pipe-joint compounds that resist the action of LP gas must be used. Do not use TEFLON® tape. With LP gas, piping or tubing size should be 1/2" minimum. Usually, LP gas suppliers determine the size and materials used in the system.

Flexible metal appliance connector:

- If local codes permit, use a 1/2" or 3/4" I.D. flexible stainless steel tubing gas connector, designed by CSA to connect the cooktop to the rigid gas supply line.



- A 1/2" male pipe thread is needed for connection to the female pipe threads of the inlet to the cooktop pressure regulator.
- Do not kink or damage the flexible metal tubing when moving the cooktop.
- Must include a shutoff valve:
The supply line must be equipped with a manual shutoff valve. This valve should be located in the same room but external to the cooktop opening, such as an adjacent cabinet. It must be accessible without removing the cooktop, and it should be in a location that allows ease of opening and closing. Do not block access to shutoff valve. The valve is for turning on or shutting off gas to the cooktop.



A. Gas supply line
B. Shutoff valve "open" position
C. To cooktop

Gas Pressure Regulator

The gas pressure regulator supplied with this cooktop must be used. The inlet pressure to the regulator should be as follows for proper operation:

Natural Gas:

Minimum pressure: 5" (12.7 cm) WCP
Maximum pressure: 7" to 14" (17.8 cm to 35.5 cm) WCP

LP Gas:

Minimum pressure: 10" (25.4 cm) WCP
Maximum pressure: 14" (35.5 cm) WCP

Contact local gas supplier if you are not sure about the inlet pressure.

Burner Input Requirements

Input ratings shown on the model/serial rating plate are for elevations up to 2,000 ft (609.6 m).

For elevations above 2,000 ft (609.6 m), ratings should be reduced at a rate of 4% for each 1,000 ft (304.8 m) above sea level (not applicable for Canada).

Gas Supply Pressure Testing

Gas supply pressure for testing regulator must be at least 1" water column pressure above the manifold pressure shown on the model/serial rating plate.

Line pressure testing above 1/2 psi gauge (14" WCP)

The cooktop and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa).

Line pressure testing at 1/2 psi gauge (14" WCP) or lower

The cooktop must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

†®TEFLON is a registered trademark of E.I. Du Pont De Nemours and Company.