

LOT 2-68

KitchenAid®

Lot 2-68, Ph2,
Appliance
Specs

30" (76.2 CM) AND 36" (91.4 CM) WALL-MOUNT CANOPY RANGE HOOD

Installation Instructions and Use and Care Guide

For questions about features, operation/performance, parts, accessories or service, call: **1-800-422-1230**

or visit our website at www.kitchenaid.com

In Canada, for assistance, installation and service, call: **1-800-807-6777**

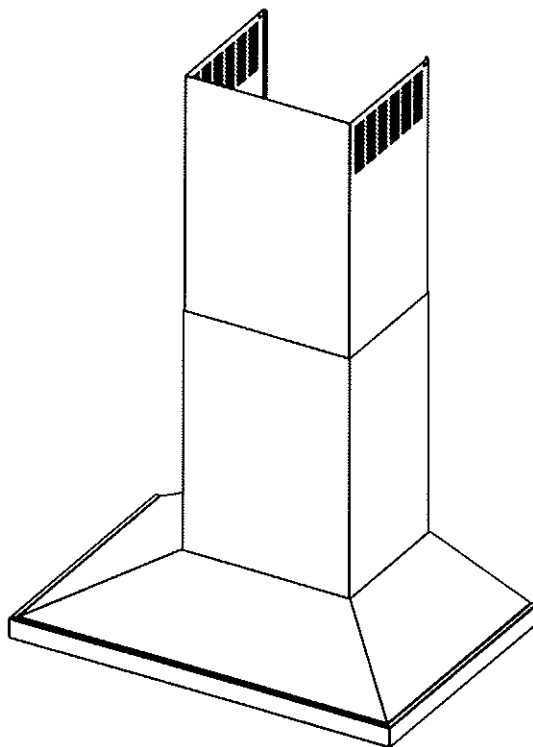
or visit our website at www.kitchenaid.ca

HOTTE D'EXTRACTION À MONTAGE MURAL DE 30" (76,2 CM) ET 36" (91,4 CM)

Instructions d'installation et Guide d'utilisation et d'entretien

Au Canada, pour assistance, installation ou service, composez le **1-800-807-6777**

ou visitez notre site web à www.kitchenaid.ca



IMPORTANT: READ AND SAVE THESE INSTRUCTIONS. FOR RESIDENTIAL USE ONLY.

IMPORTANT : LIRE ET CONSERVER CES INSTRUCTIONS. POUR UTILISATION RÉSIDENIELLE UNIQUEMENT.

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

- Level
- Drill with 1/4" (3.0 cm), 3/8" (9.5 mm), and 5/16" (7.9 mm) drill bits
- Pencil
- Wire stripper or utility knife
- Tape measure or ruler
- Pliers
- Caulking gun and weatherproof caulking compound
- Vent clamps
- Jigsaw or keyhole saw
- Flat-blade screwdriver
- Metal snips
- Phillips screwdriver

Parts Needed

- Home power supply cable
- 1/2" (13 mm) UL listed or CSA approved strain relief
- Three UL Listed wire connectors

For Vented Installations, You Will Also Need:

- One wall or roof cap
- Metal vent system

For Non-Vented (Recirculating) Installations, You Will Also Need:

- Recirculation Kit Part Number W10692908 for non-vented (recirculating) installations only. See the "Assistance or Service" section to order.
- 6" (15.2 cm) diameter round metal vent duct—length required is determined by ceiling height.

Parts Supplied

Remove parts from packages. Check that all parts are included.

- Hood canopy assembly with ventilator and LED and halogen lights installed
- Vent transition with back draft dampers installed
- Metal grease filter(s)—depending on model and size
- Vent cover support bracket
- Mounting template
- Two-piece vent cover
- Four 4.2 x 8 screws
- Six 5 x 45 mm mounting screws
- Two D6.4 x 18 mm washers
- Two 8 x 40 mm wall anchors
- Four 10 x 60 mm wall anchors
- Four 5.4 x 75 mm screws (for 10 x 60 mm wall anchors)
- Two 3.5 x 9.5 mm sheet metal screws
- T10® TORX®† adapter

Location Requirements

IMPORTANT: Observe all governing codes and ordinances. Have a qualified technician install the range hood. It is the installer's responsibility to comply with installation clearances specified on the model/serial/rating plate. The model/serial/rating plate is located behind the left filter on the rear wall of the vent hood.

Canopy hood location should be away from strong draft areas, such as windows, doors and strong heating vents.

Cabinet opening dimensions that are shown must be used. Given dimensions provide minimum clearance.

This range hood is recommended for use with cooktops with a maximum total rating of 65,000 BTUs or less.

Grounded electrical outlet is required. See the "Electrical Requirements" section.

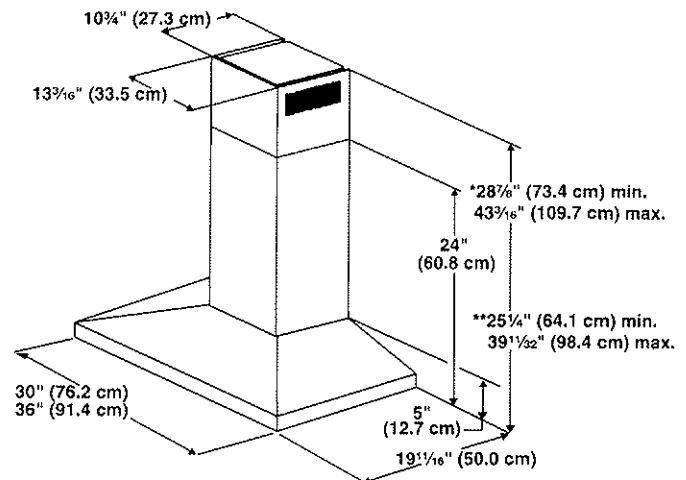
The canopy hood is factory-set for venting through the roof or wall. For non-vented (recirculating) installation see "For nonvented (recirculating) installation only" in the "Connect Vent System" section. Recirculation Kit Part Number W10692908 is available from your dealer or an authorized parts distributor.

All openings in ceiling and wall where canopy hood will be installed must be sealed.

For Mobile Home Installations

The installation of this range hood must conform to the Manufactured Home Construction Safety Standards, Title 24 CFR, Part 328 (formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD, Part 280) or when such standard is not applicable, the standard for Manufactured Home Installation 1982 (Manufactured Home Sites, Communities and Setups) ANSI A225.1/NFPA 501A, or latest edition, or with local codes.

Product Dimensions

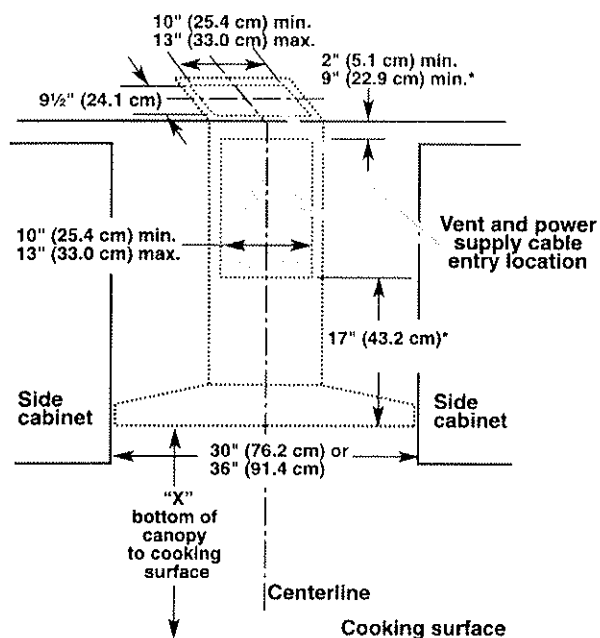


*For non-vented (recirculating) installations

**For vented installations

†**TORX and T10® are registered trademarks of Acument Intellectual Properties, LLC.

Cabinet Dimensions



*For non-vented (recirculating) installations

IMPORTANT:

Minimum distance "X": 24" (61.0 cm) from electric cooking surface.

Minimum distance "X": 27" (68.6 cm) from gas cooking surfaces.

Suggested maximum distance "X": 36" (91.4 cm)

The chimneys can be adjusted for different ceiling heights. See the following chart.

Vented Installations

	Min. ceiling height	Max. ceiling height
Electric cooking surface	7' 1" (2.16 m)	9' 3" (2.82 m)
Gas cooking surface	7' 4" (2.23 m)	9' 3" (2.82 m)

Non-vented (recirculating) Installations

	Min. ceiling height	Max. ceiling height
Electric cooking surface	7' 5" (2.23 m)	9' 7" (2.9 m)
Gas cooking surface	7' 8" (2.33 m)	9' 7" (2.9 m)

NOTE: The range hood chimneys are adjustable and designed to meet varying ceiling or soffit heights depending on the distance "X" between the bottom of the range hood and the cooking surface. For higher ceilings, a Chimney Extension Kit is available from your dealer or an authorized parts distributor. The chimney extension replaces the chimney shipped with the range hood. To order, see the "Assistance or Service" section.

Venting Requirements

(Vented Models Only)

- Vent system must terminate to the outdoors except for non-vented (recirculating) installations.
- Do not terminate the vent system in an attic or other enclosed area.
- Do not use 4" (10.2 cm) laundry-type wall caps.
- Use metal vent only. Rigid metal vent is recommended. Plastic or metal foil vent is not recommended.
- The length of vent system and number of elbows should be kept to a minimum to provide efficient performance.

For the Most Efficient and Quiet Operation:

- Use no more than three 90° elbows.
- Make sure there is a minimum of 24" (61.0 cm) of straight vent between the elbows if more than one elbow is used.
- Do not install two elbows together.
- Use clamps to seal all joints in the vent system.
- The vent system must have a damper. If the roof or wall cap has a damper, do not use the damper supplied with the range hood.
- Use caulking to seal exterior wall or roof opening around the cap.
- The size of the vent should be uniform.

Cold Weather Installations

An additional back draft damper should be installed to minimize backward cold air flow and a thermal break should be installed to minimize conduction of outside temperatures as part of the vent system. The damper should be on the cold air side of the thermal break.

The break should be as close as possible to where the vent system enters the heated portion of the house.

Makeup Air

Local building codes may require the use of makeup air systems when using ventilation systems greater than specified CFM of air movement. The specified CFM varies from locale to locale. Consult your HVAC professional for specific requirements in your area.

Venting Methods

This canopy range hood is factory set for venting through the roof or through the wall.

A 6" (15.2 cm) round vent system is needed for installation (not included). The hood exhaust opening is 6" (15.2 cm) round.

NOTE: Flexible vent is not recommended. Flexible vent creates back pressure and air turbulence that greatly reduce performance.

Vent system can terminate either through the roof or wall. To vent through a wall, a 90° elbow is needed.

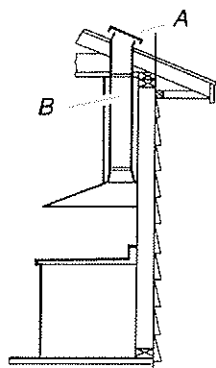
Rear Discharge

A 90° elbow may be installed immediately above the hood.

For Non-Vented (Recirculating) Installations

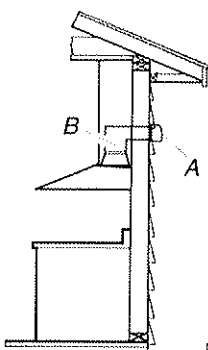
If it is not possible to vent cooking fumes and vapors to the outside, the hood can be used in the non-vented (recirculating) version using a Recirculation Kit (which includes charcoal filters and a deflector). To order, see the "Assistance or Service" section.

Roof Venting



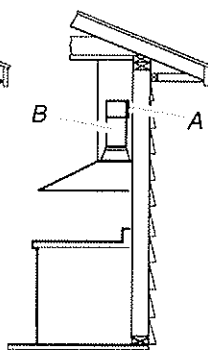
A. Roof cap
B. 6" (15.2 cm) round vent

Wall Venting



A. Wall cap
B. 6" (15.2 cm) round vent

Non-Vented (Recirculating)



A. Diverter
B. 6" (15.2 cm) round vent

Calculating Vent System Length

To calculate the length of the system you need, add the equivalent feet (meters) for each vent piece used in the system.

Vent Piece

6" (15.2 cm) Round

45° elbow

2.5 ft (0.8 m)



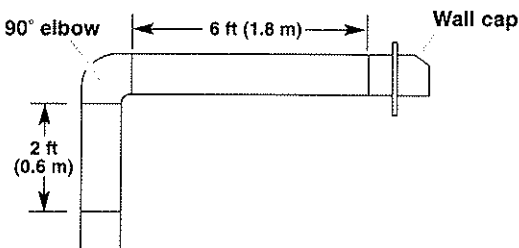
90° elbow

5.0 ft (1.5 m)



Maximum equivalent vent length is 35 ft (10.7 m).

Example Vent System



The following example falls within the maximum recommended vent length of 35 ft (10.7 m).

1 - 90° elbow	= 5.0 ft (1.5 m)
1 - wall cap	= 0.0 ft (0.0 m)
8 ft (2.4 m) straight	= 8.0 ft (2.4 m)
Length of system	= 13.0 ft (3.9 m)

Electrical Requirements

Observe all governing codes and ordinances.

Ensure that the electrical installation is adequate and in conformance with 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.

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

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

- A 120 V, 60 Hz, AC only, 15-amp, fused electrical circuit is required.

- If the house has aluminum wiring, follow the procedure below:

Connect the aluminum wiring 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.

- Wire sizes and connections must conform with the rating of the appliance as specified on the model/serial/rating plate. The model/serial/rating plate is located behind the left filter on the rear wall of the range hood.
- Wire sizes must conform to the requirements of 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.

LOT 2-68

KitchenAid® 27" (68.6 cm) and 30" (76.2 cm) Electric Built-In Convection Microwave Oven

PRODUCT MODEL NUMBERS

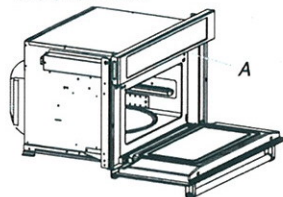
KMBP100E

KMBP107E

ELECTRICAL CONNECTION

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

- Microwave oven must be connected to the proper electrical voltage and frequency as specified on the model/serial/rating plate. The model/serial/rating plate is located underneath the control panel along the oven vent.



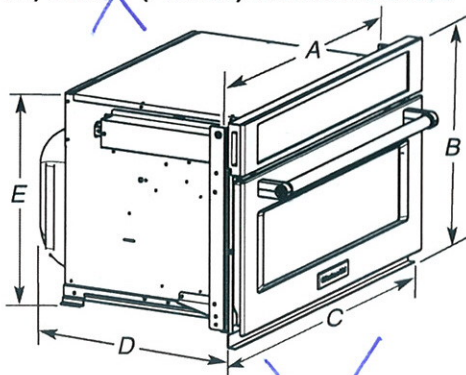
A. Model/serial/rating plate

- The microwave oven rated 120-/240-volt, 20-amp, has 4 wires (L1, L2, N, and G) in the flex conduit and should be connected to a 20-amp maximum-rated circuit, overcurrent protected on both the L1 and L2 circuits.

- A time-delay fuse or circuit breaker is recommended.

PRODUCT DIMENSIONS

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



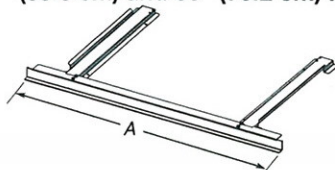
27" (68.6 cm) models

- A. 25³/₈" (64.5 cm)
- B. 18⁵/₈" (47.3 cm) overall height
- C. 26³/₄" (68.0 cm) overall width
- D. 21¹/₂" (54.6 cm)
- E. 17³/₈" (44.1 cm)

30" (76.2 cm) models

- A. 28³/₈" (72.1 cm)
- B. 18⁵/₈" (47.3 cm) overall height
- C. 29³/₄" (75.6 cm) overall width
- D. 21¹/₂" (54.6 cm)
- E. 17³/₈" (44.1 cm)

27" (68.6 cm) and 30" (76.2 cm) Microwave Oven Spacer Kit



27" (68.6 cm) models

- A. 26³/₄" (67.9 cm) overall width

30" (76.2 cm) models

- A. 29³/₄" (75.6 cm) overall width

NOTE: The microwave oven spacer kit will allow the microwave oven to be installed in a 17³/₈" to 17³/₄" (44.1 cm to 45.1 cm) maximum cutout height.

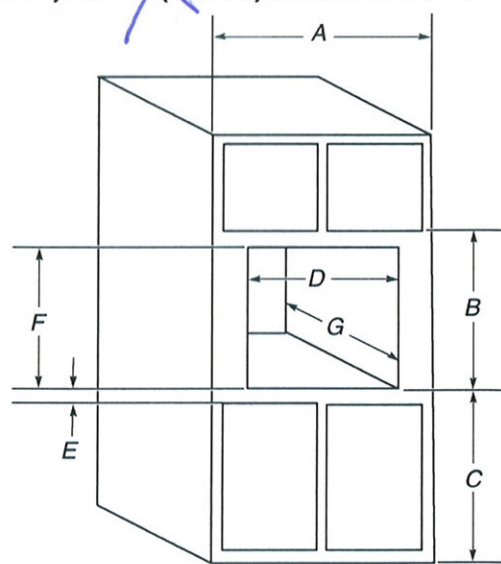
A microwave oven spacer kit is available from your dealer that will allow the microwave oven to be installed in a 19¹/₄" to 19¹¹/₁₆" (48.9 cm to 50.0 cm) maximum cutout height. Match the oven size to the following kits:

- 27" (68.6 cm) Stainless steel - Spacer Kit W10469901
- 30" (76.2 cm) Stainless steel - Spacer Kit W10469903
- 27" (68.6 cm) Black stainless steel - Spacer Kit W10842586
- 30" (76.2 cm) Black stainless steel - Spacer Kit W10842584

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

CABINET DIMENSIONS

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



27" (68.6 cm) models

- A. 27" (68.6 cm) min. cabinet width
- B. 18⁵/₈" (47.3 cm) from bottom of cutout to bottom of upper cabinet door
- C. 40" (101.6 cm) bottom of cutout to floor (recommended)
- D. 25¹/₂" (64.8 cm) cutout width
- E. 1¹/₂" (3.8 cm) min. bottom of cutout to top of cabinet door
- F. 17⁵/₈" (44.7 cm) recommended cutout height (will fit cutout height from 17³/₈" [44.1 cm] to 17³/₄" [45.1 cm])
- G. 21⁷/₈" (55.5 cm) min. cutout depth

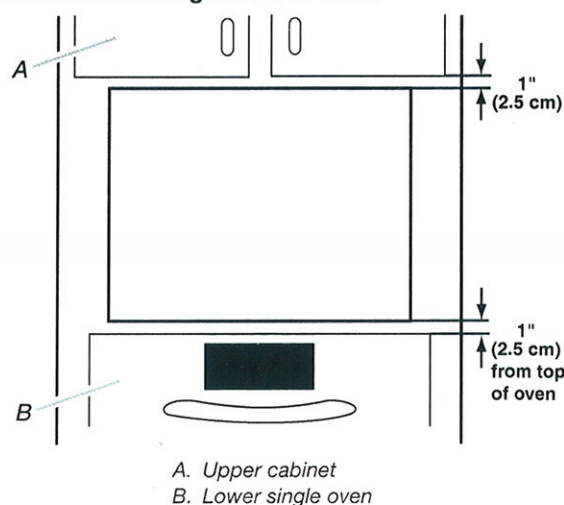
30" (76.2 cm) models

- A. 30" (76.2 cm) min. cabinet width
- B. 18⁵/₈" (47.3 cm) from bottom of cutout to bottom of upper cabinet door
- C. 40" (101.6 cm) bottom of cutout to floor (recommended)
- D. 28¹/₂" (72.4 cm) cutout width
- E. 1¹/₂" (3.8 cm) min. bottom of cutout to top of cabinet door
- F. 17⁵/₈" (44.7 cm) recommended cutout height (will fit cutout height from 17³/₈" [44.1 cm] to 17³/₄" [45.1 cm])
- G. 21⁷/₈" (55.5 cm) min. cutout depth

MINIMUM INSTALLATION CLEARANCES

For proper installation, the following minimum clearances must exist above and below the cabinet opening.

Installation Above Single Built-In Oven



A. Upper cabinet

B. Lower single oven

Approved models: KMBP100E and KMBP107E

LOT 2-68

KitchenAid® 30" (76.2 cm) Slide-in Gas Range

PRODUCT MODEL NUMBERS

KSGB900E KSGG700E

GAS SUPPLY REQUIREMENTS

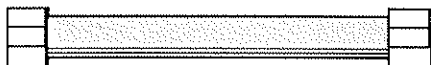
Gas supply line:

- Provide a gas supply line of $\frac{3}{4}$ " (1.9 cm) rigid pipe to the range location. A smaller size pipe on longer runs may result in insufficient gas supply. With LP gas, piping or tubing size can be $\frac{1}{2}$ " (1.3 cm) minimum. Usually, LP gas suppliers determine the size and materials used in the system.

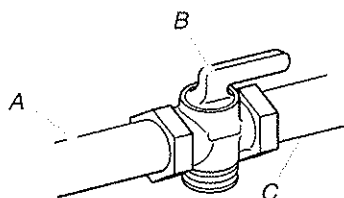
NOTE: Pipe-joint compounds that resist the action of LP gas must be used. Do not use TEFLON® tape.

Flexible metal appliance connector:

- If local codes permit, a new CSA design-certified, 4 to 5 ft (122 to 152.4 cm) long, $\frac{1}{2}$ " (1.3 cm) or $\frac{3}{4}$ " (1.9 cm) I.D., flexible metal appliance connector may be used for connecting range to the gas supply line.



- A $\frac{1}{2}$ " (1.3 cm) male pipe thread is needed for connection to the female pipe threads of the inlet to the appliance pressure regulator.
- Do not kink or damage the flexible metal tubing when moving the range.
- 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 range opening, such as an adjacent cabinet. 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 range.



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

Gas Pressure Regulator

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

Natural gas:

Minimum pressure: 5" WCP

Maximum pressure: 14" WCP

LP gas:

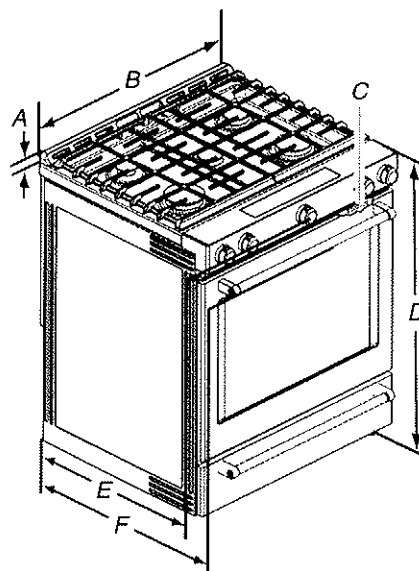
Minimum pressure: 11" WCP

Maximum pressure: 14" WCP

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

PRODUCT DIMENSIONS

This manual covers several models. Your model may appear different from the models depicted. Dimensions given are maximum dimensions across all models.



A. $1\frac{3}{16}$ " (3.0 cm) height from cooktop to top of vent

B. $29\frac{7}{8}$ " (75.9 cm)

C. Model/serial number plate (located behind the oven door on the top right-hand side of the oven frame)

D. 36" (91.4 cm) height to top of cooktop edge with leveling legs screwed all the way in*

E. $28\frac{3}{16}$ " (71.9 cm) max. depth from front of console to back of range.

F. $28\frac{7}{8}$ " (73.3 cm) max. depth from handle to back of range.

IMPORTANT: Range must be level after installation. Follow the instructions in the "Level Range" section. Using the cooktop as a reference for leveling the range is not recommended.

*Range can be raised approximately 1" (2.5 cm) by adjusting the leveling legs.

Type of Gas

Natural gas:

- This range is factory set for use with Natural gas. See "Gas Conversions" section. The model/serial rating plate located behind the control panel 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 appliance from the gas specified on the model/serial rating plate for use with a different gas without consulting the serving gas supplier. See "Gas Conversions" section.

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ELECTRICAL REQUIREMENTS

IMPORTANT: The range 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 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 range 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.

CABINET OPENING DIMENSIONS

Cabinet opening dimensions shown are for 25" (64.0 cm) countertop depth, 24" (61.0 cm) base cabinet depth and 36" (91.4 cm) countertop height.

IMPORTANT: If installing a range hood or microwave hood combination above the range, follow the range hood or microwave hood combination installation instructions for dimensional clearances above the cooktop surface.

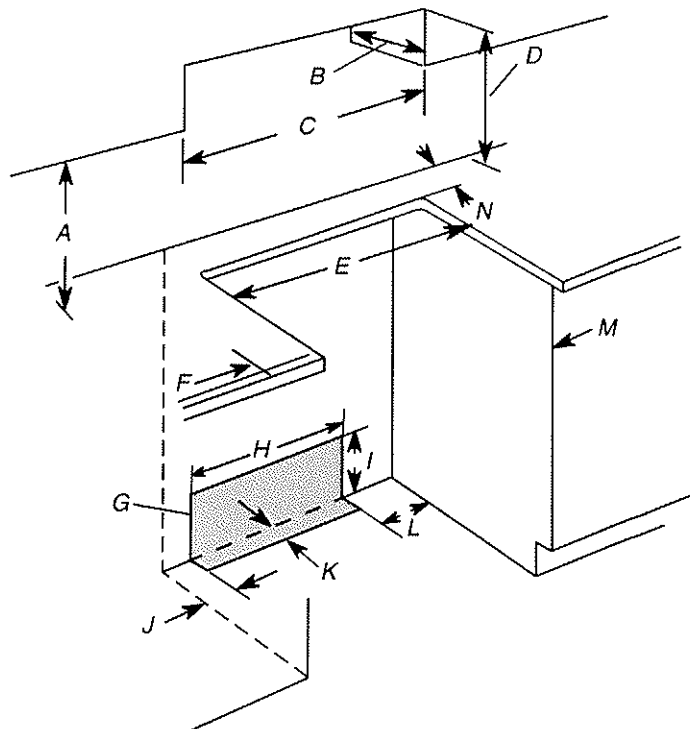
Range may be installed next to combustible walls with zero clearance.

NOTE: When installed in a slide-in cutout, the front of oven door may protrude beyond the base cabinet.

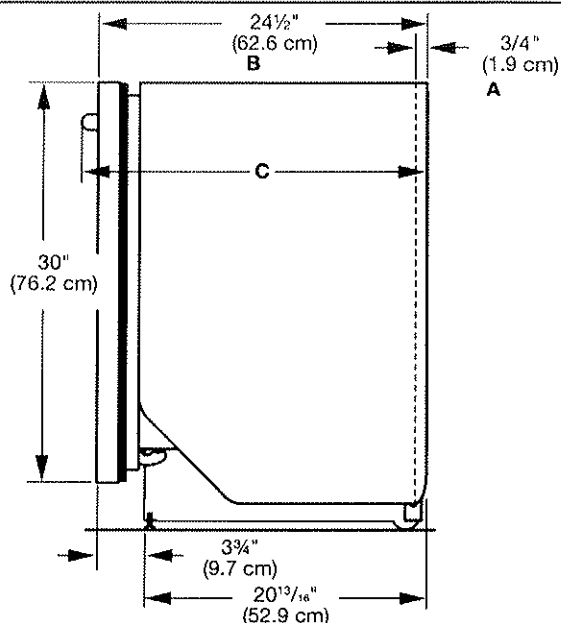
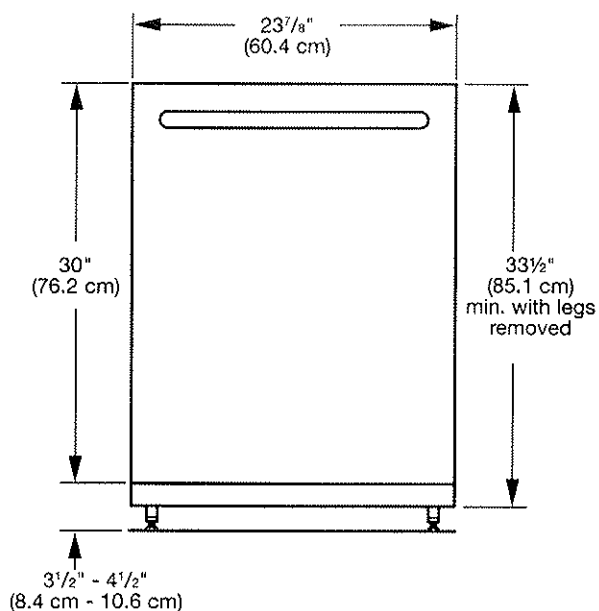
- A. 18" (45.7 cm) upper side cabinet to countertop
- B. 13" (33 cm) max. upper cabinet depth
- C. 30" (76.2 cm) min. opening width
- D. For minimum clearance to top of cooktop, see NOTE*.
- E. In U.S.A.: 30" (76.2 cm) min. opening width
In Canada: 31" (78.7 cm) min. opening width
- F. 3" (7.6 cm) min. clearance from both sides of range to side wall or other combustible material.
- G. The shaded area is recommended for installation of rigid gas pipe and grounded outlet.
- H. 13 1/8" (33.3 cm)
- I. 7 1/16" (19.5 cm)
- J. 4 1/16" (12.2 cm)
- K. 3 1/16" (9.4 cm) or measurement of N, whichever is greater
- L. 12" (30.5 cm)
- M. Cabinet door or hinges should not extend into the cutout.
- N. Remaining counter depth should not exceed 2 1/4" (5.7 cm)

***NOTE:** 24" (61.0 cm) minimum when bottom of wood or metal cabinet is shielded by not less than 1/4" (0.64 cm) flame retardant millboard covered with not less than No. 28 MSG sheet steel, 0.015" (0.4 mm) stainless steel, 0.024" (0.6 mm) aluminum or 0.020" (0.5 mm) copper.

30" (76.2 cm) minimum clearance between the top of the cooking platform and the bottom of an uncovered wood or metal cabinet.

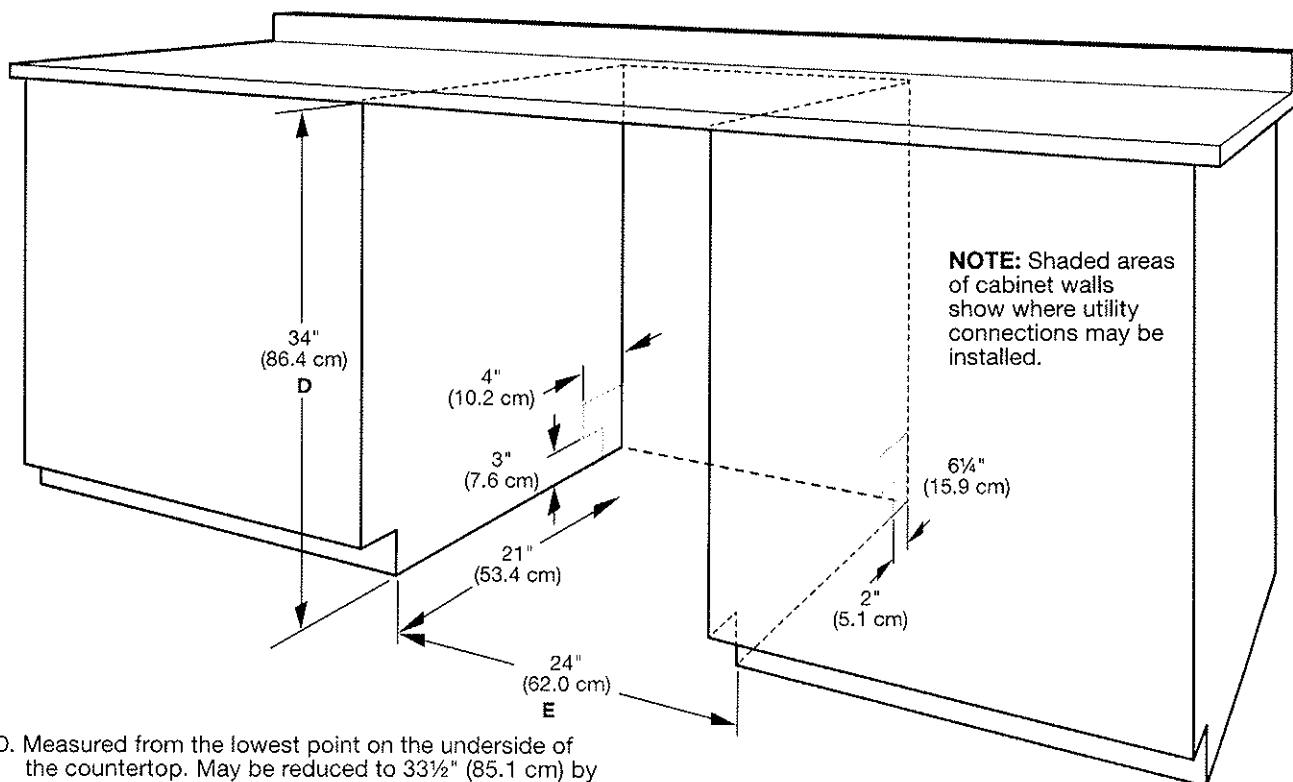


PRODUCT AND CABINET OPENING DIMENSIONS:



- A. Insulation may be compressed (not used on all models).
- B. For panel-ready models, dishwasher depth is 24" (61.0 cm), not including the $\frac{3}{4}$ " (1.9 cm) custom door panel.
- C. Door handles may protrude forward of the face of the dishwasher, varies by model.

Check that all surfaces have no protrusions that would prohibit dishwasher installation.



D. Measured from the lowest point on the underside of the countertop. May be reduced to $33\frac{1}{2}$ " (85.1 cm) by removing the wheels and perforated area of insulation (blanket) on dishwasher.

E. Minimum, measured from narrowest point of opening.

