

Let 70

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

PRODUCT DIMENSIONS

KEMS309E	KOCE500E	KOCE507E
ELECTRICAL CONNECTION		

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

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 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:
 - Connect a section of solid copper wire to the pigtail leads.
 - 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	6800

*Amperage values noted above are for information purposes only; the units are rated in watts.

Because Whirlpool Corporation includes a continuous commitment to improve our products, we reserve the right to change materials and specifications without notice.

Dimensions are for planning purposes only. For complete details, see installation instructions packed with product. Specifications subject to change without notice.

Ref: W107266318
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27" (68.6 cm) models

- A 42 1/4" (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 1/4" (108.0 cm) overall height
- B 28 1/4" (72.3 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" (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
- D 25 1/2" (64.8 cm) cutout width of cutout to floor is acceptable
- E 1 1/2" (3.8 cm) min. bottom of cutout to top of cabinet door
- F 41 1/2" (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
- C 19 1/2" (48.9 cm) bottom of cutout to floor is recommended
- D 28 1/2" (72.4 cm) cutout width
- E 1 1/2" (3.8 cm) min. bottom of cutout
- F 41 1/2" (105 cm) recommended cutout
- G 24" (60.7 cm) cutout depth

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

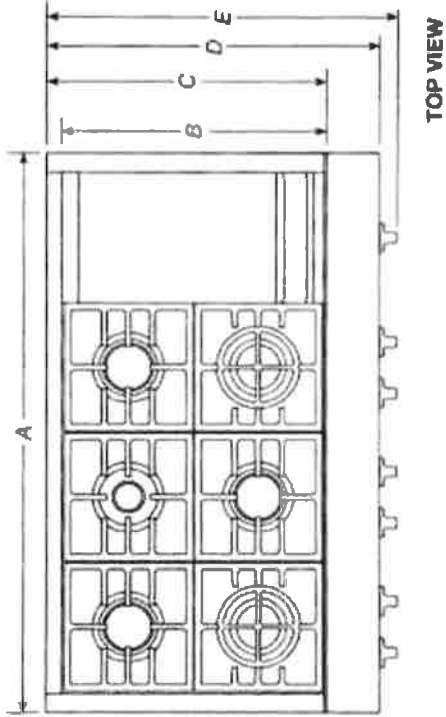
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DIMENSIONS

COMMERCIAL-STYLE RANGETOPS
PRODUCT DIMENSIONS

MODEL #	30" (76.2 cm) Rangetop KGGC500J		36" (91.4 cm) Rangetop KGGC508J		48" (121.9 cm) Rangetop KGGC558J	
Unit of Measurement	in.	cm	in.	cm	in.	cm
Overall Width (A)	28 1/4	75.6	35 1/4	90.8	47 1/4	121.3
Grate Depth (B)	22	55.9	22	55.9	22	55.9
Depth without Control Panel (C)	23 1/4	59.1	23 1/4	59.1	23 1/4	59.1
Depth with Control Panel Overhang (D)	27 1/4	70.8	27 1/4	70.8	27 1/4	70.8
Depth with Knobs (E)	29 1/4	74.6	29 1/4	74.6	29 1/4	74.6



IMPORTANT: Dimensional specifications are provided for planning purposes only.
Do not make any cutouts based on this information. Refer to the Installation Guide before
wiring, venting, verifying electrical/gas connections, making cutouts or beginning installation.
All KitchenAid® appliances are appropriately UL, CUL or CSA approved.

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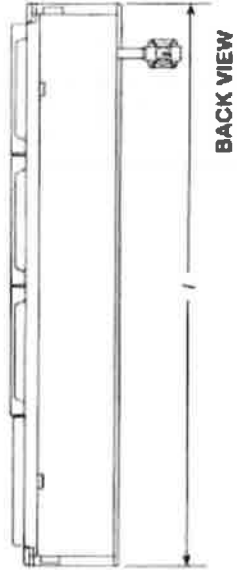
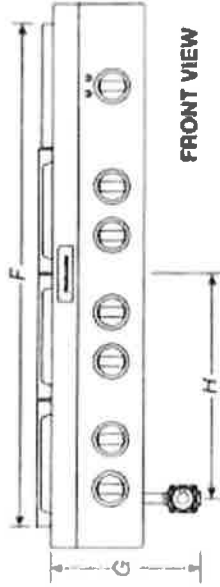
DIMENSIONS

COMMERCIAL-STYLE RANGETOPS

PRODUCT DIMENSIONS

MODEL	30" (76.2 cm) Rangetop KCGC500J			36" (91.4 cm) Rangetop KCGC506J			48" (121.9 cm) Rangetop KCGC558J		
Unit of Measurement	in	cm	in	in	cm	in	in	cm	in
Grate Width (F)*	27 1/4	69.7		33	83.8		44 1/4	112.7	
Gas Inlet to Surface (G)	10 3/4	27.3		10 3/4	27.3		10 3/4	27.3	
Center to Gas Inlet (H)	11	27.9		14 1/4	35.9		19 3/4	49.8	
Recessed Rangetop Width (I)	29 3/4	74		35 1/4	89.2		47 1/4	119.7	

*Includes width of grates and griddle.



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DIMENSIONS

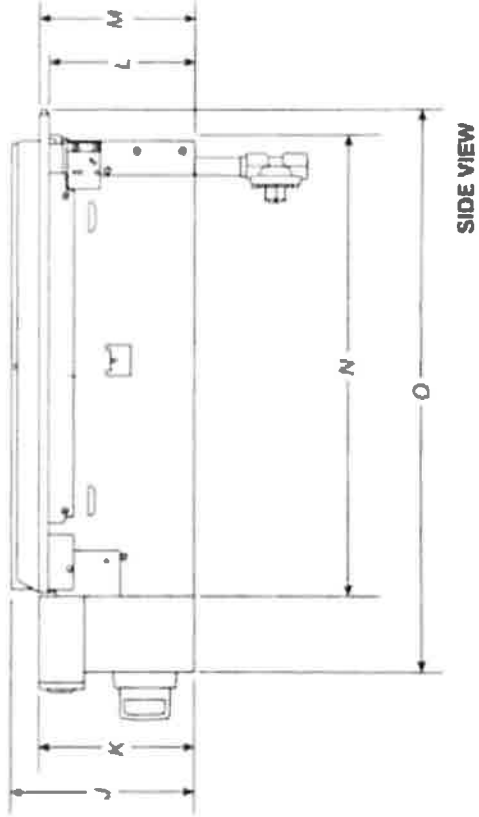
3 of 23

COMMERCIAL-STYLE RANGETOPS

PRODUCT DIMENSIONS

MODEL #	30" (76.2 cm) Rangetop (KOC300)			36" (91.4 cm) Rangetop (KOC360)			48" (121.9 cm) Rangetop (KOC480)		
Unit of Measurement	in.	cm	ft.	in.	cm	ft.	in.	cm	ft.
Height with Grates (J)	9	22.9	9	9	22.9	9	9	22.9	9
Control Panel Height (K)	7 7/8	19.8	7 7/8	7 7/8	19.8	7 7/8	7 7/8	19.8	7 7/8
Recessed Rangetop Height (L)	7	17.8	7	7	17.8	7	7	17.8	7
Cooking Surface Height (M)	7 7/8	18.9	7 7/8	7 7/8	18.9	7 7/8	7 7/8	18.9	7 7/8
Recessed Rangetop Depth (N)	21 1/2	55.6	21 1/2	21 1/2	55.6	21 1/2	21 1/2	55.6	21 1/2
Depth with Control Panel (O)	25 1/2	64.8	25 1/2	25 1/2	64.8	25 1/2	25 1/2	64.8	25 1/2

IMPORTANT: Supplied regulator does not come preattached and is pictured for reference purposes only.



SIDE VIEW

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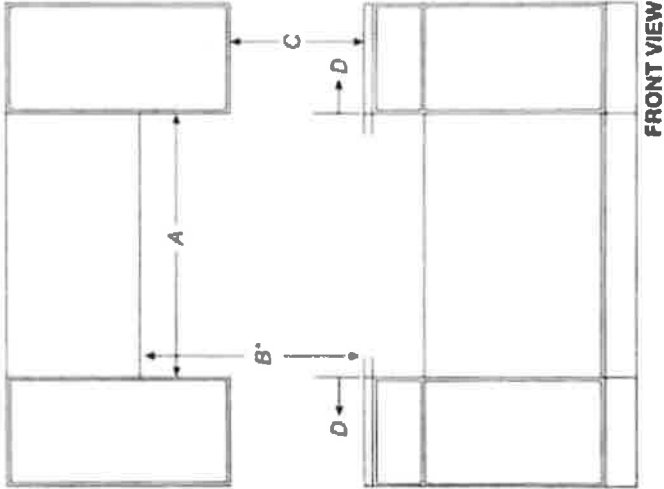
DIMENSIONS

4 of 23

COMMERCIAL-STYLE RANGE TOPS
OPENING/CLEARANCE DIMENSIONS

MODEL	30" (76.2 cm) Range Top (KCC500)	36" (91.4 cm) Range Top (KCC500)	48" (121.9 cm) Range Top (KCC500)
Units of Measurement	in	in	in
Combustible Area above Cooking Surface Width (min) (A)	30	36	48
Bottom of Cabinet Height above Cooking Surface (min) (B)*	42	58	58
Bottom of Cabinet Height above Countertop (min) (C)	18	18	18
Distance to Fixed Wall or Combustible Material (D)	12	12	12

*If installing a hood above the range top, follow the hood instructions for dimensional clearances above the cooking surface.



FRONT VIEW

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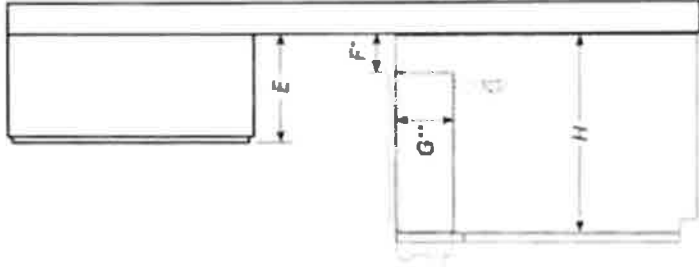
DIMENSIONS

COMMERCIAL-STYLE RANGETOPS
OPENING/CLEARANCE DIMENSIONS

MODEL*	30" (76.2 cm) Rangetop KQ9C500J	36" (91.4 cm) Rangetop KQ9C506J	48" (121.9 cm) Rangetop KQ9C568J
Cutout/Cutouts	in	in	in
Recommended Upper Cabinet Depth (E)	13	13	13
Cutout to Wall Depth (if backwall is constructed of non-combustible material) (F)**	1 1/2	1 1/2	1 1/2
Cutout to Wall Depth (if backwall is constructed of combustible material) (F)**	7 1/4	7 1/4	7 1/4
Cabinet to Countertop Height (G)**	18.4	18.4	18.4
Cabinet Depth (H)	24	24	24

*If the back wall is constructed of a combustible material and a backsplash is not installed, a 7 1/2" (19.7 cm) minimum clearance is required from the cutout or 6" (15.2 cm) minimum clearance from the back edge of the rangetop.

**The bottom of the cutout supports the product. Unlike many cooktops, these models do not hang from the side flanges, but rather sit on the floor of the cutout.



SIDE VIEW

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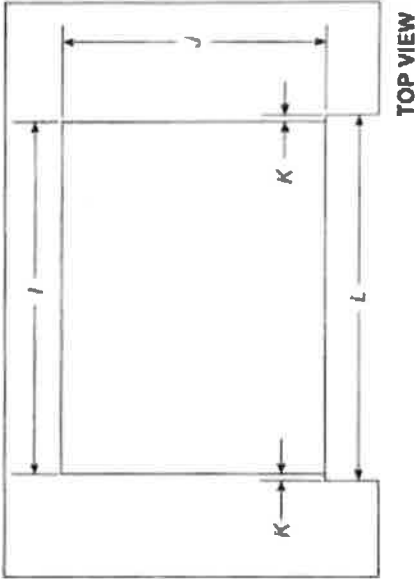
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DIMENSIONS

COMMERCIAL-STYLE RANGETOPS
OPENING/CLEARANCE DIMENSIONS

MODEL	30" (76.2 cm) Rangetop (KCC500)	30" (76.4 cm) Rangetop (KCC508)	30" (76.4 cm) Rangetop (KCC508)	48" (121.9 cm) Rangetop (KCC568)
Unit of Measurement	in	cm	in	in
Countertop and Cabinet Cutout Width (I)	29 1/4	74.3	35 1/4	89.5
Countertop and Cabinet Cutout Depth (J)	22 1/4	56.5	22 1/4	56.5
Notch Width (K)	1/4	0.6	1/4	0.6
Cutout Width (L)	29 1/4	75.5	35 1/4	90.8

NOTE: Due to manufacturing factory tolerances, these are nominal dimensions. You may need to readjust to meet your clearance



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DIMENSIONS

COMMERCIAL-STYLE RANGETOPS
ELECTRICAL REQUIREMENTS

ELECTRIC REQUIREMENTS CHECKLIST	
☐	A 120 V, 60 Hz, AC only, 15 A fused, electrical circuit is required.
☐	A dedicated circuit is recommended.

RECOMMENDED ELECTRICAL OUTLET ZONE



FRONT VIEW

NOTE: If you have questions about your electrical supply, call a licensed, qualified electrician.

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RECOMMENDED GAS SUPPLY LOCATION



“Unlike many cooktops, these models do not hang from the side flanges, but rather sit on the floor of the cutout. The grey box pictured in the image above on the left is a hole in the cutout for the gas and electric lines to pass through.



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KitchenAid®

FOR THE WAY IT'S MADE.™

Side By Side Built-In Refrigerator

PRODUCT MODEL NUMBERS

KBSD602E KBSD606E KBSD608E KBSN602E KBSN608E
KBSD612E KBSD618E

Electrical: A 115 volt, 60 Hz., AC only, 15- or 20-amp fused, grounded electrical supply is required. It is recommended that a separate circuit serving only your refrigerator be provided. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

Water Pressure: A cold water supply with water pressure between 30 and 120 psi (207 and 827 kPa) is required to operate the water dispenser and ice maker. If you have questions about your water pressure, call a licensed qualified plumber.

Reverse Osmosis Water Supply:

IMPORTANT: The pressure of the water supply coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 30 and 120 psi (207 and 827 kPa).

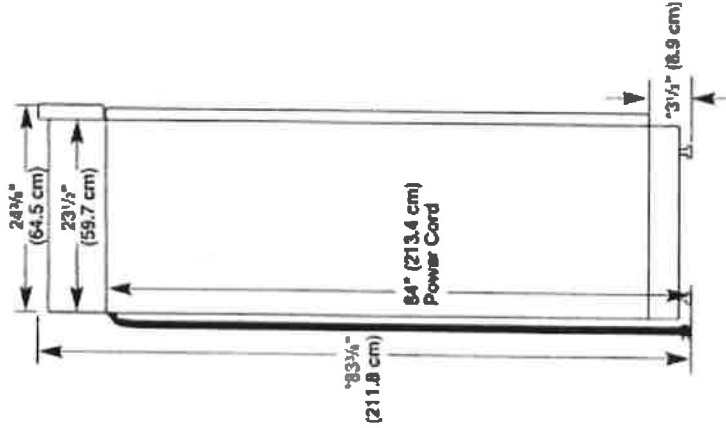
IMPORTANT:

- It is recommended that you do not install the refrigerator near an oven, radiator, or other heat source.
- Do not install in a location where the temperature will fall below 55°F (13°C).
- Floor must support the refrigerator weight, more than 600 lbs (272 kg), door panels and contents of the refrigerator.

PRODUCT DIMENSIONS

- The depth from the front of the top grille to the back of the refrigerator cabinet is 51 3/4" (64.5 cm).
- The power cord is 84" (213 cm) long.
- Height dimensions are shown with leveling legs extended 1/8" (3 mm) below the rollers.

SIDE VIEW

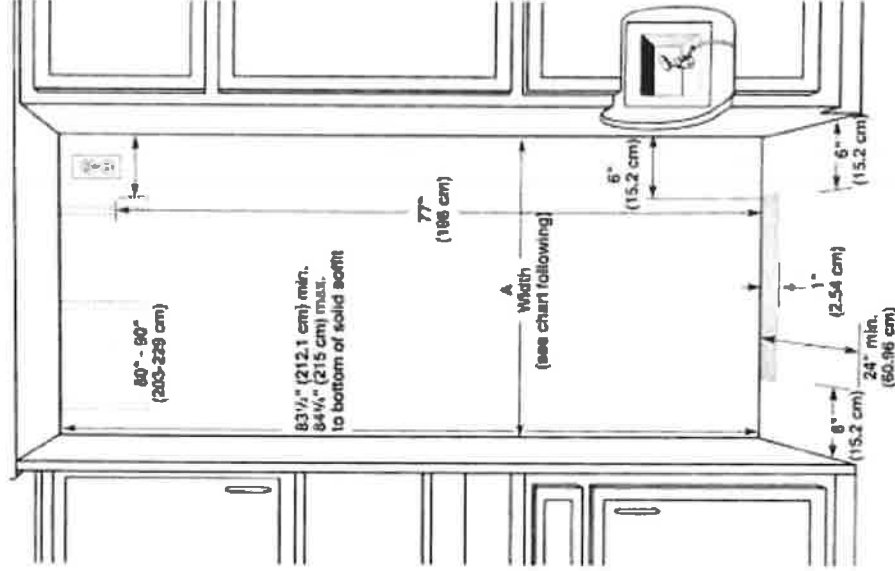


*When leveling legs are fully extended to 1 1/4" (3.2 cm) below rollers, add 1 1/4" (2.9 cm) to the height dimensions.

OPENING DIMENSIONS

To avoid tipping during use, the solid soffit must be within 1" (2.5 cm) maximum above the refrigerator. If the solid soffit is higher than 1" (2.5 cm) or one is not available, then the refrigerator must be braced. If the anti-tip boards are needed, they must be attached to the rear wall studs 80" to 90" (203 cm to 229 cm) above the floor. See Install Anti-Tip Boards for more information.

NOTE: A clearance of 1/8" (1.3 cm) above the top grille must be maintained in order for the top grille to be removed.



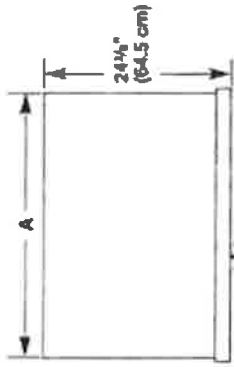
Model	Width A (as shown above)	Dimension B (as shown above)
36	35 1/2" to 35 1/2" (90.2 cm to 90.8 cm)	4" (10.2 cm)
42	41 1/2" to 41 1/2" (105.4 cm to 106.1 cm)	7 1/2" (19.1 cm)
48	47 1/2" to 47 1/2" (120.7 cm to 121.3 cm)	13 1/2" (34.3 cm)

NOTE: Flooring under refrigerator must be at same level as the room. Edge of cabinet must be plumb.

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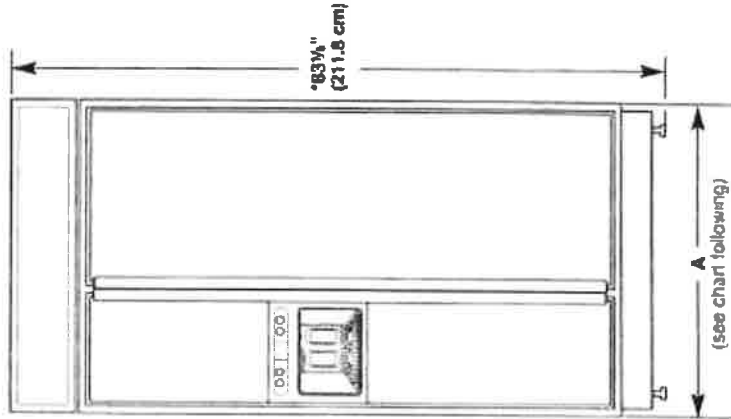
TOP VIEW



Model	Width A
36	35 1/8" (90.9 cm)
42	41 1/8" (104.1 cm)
48	47" (119.4 cm)

FRONT VIEW

- Width dimensions were measured from trim edge to trim edge.
- Height dimensions are shown with leveling legs extended 1/8" (3 mm) below the rollers.



Model	Width A (Trim edge to trim edge)
36	36 1/8" (92.3 cm)
42	42 1/8" (107.5 cm)
48	48 1/8" (122.8 cm)

*When leveling legs are fully extended to 1 1/2" (3.2 cm) below rollers, add 1 1/8" (2.9 cm) to the height dimensions.

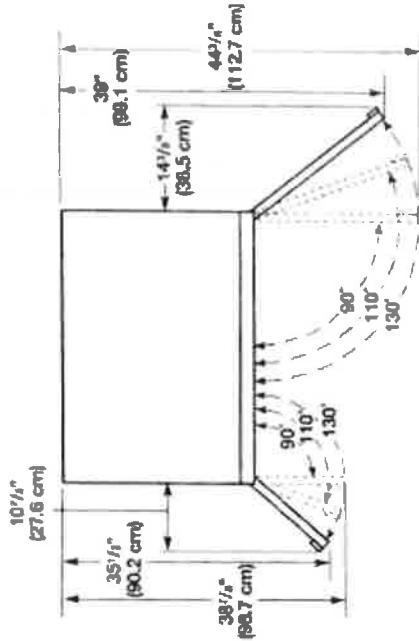
DOOR SWING DIMENSIONS

The location must permit both doors to open to a minimum of 90°. Allow 5" (12.7 cm) minimum space between the side of the refrigerator and a corner wall.

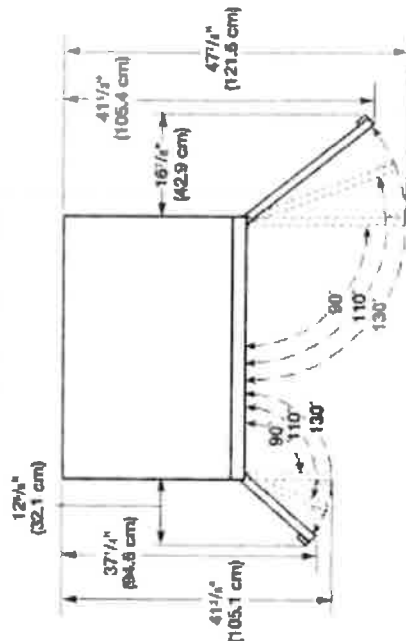
NOTE: More clearance may be required if you are using overlay panels, custom handles, or extended handles on a Classic model.

To adjust the door swings, see "Adjust Doors."

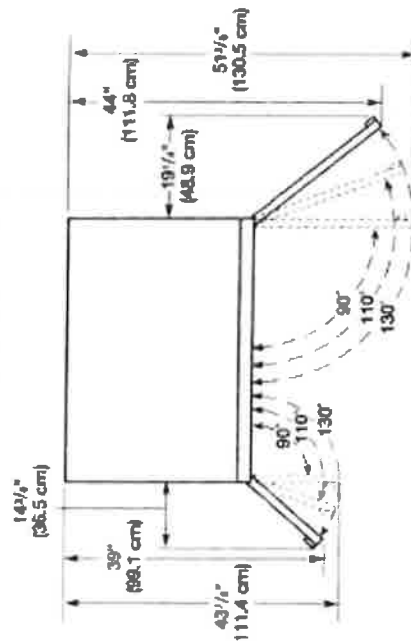
36" (91.4 cm) Models



42" (106.7 cm) Models



48" (121.9 cm) Models



KitchenAid® Range Hood - 36" (91.4 cm) and 48" (121.9 cm)

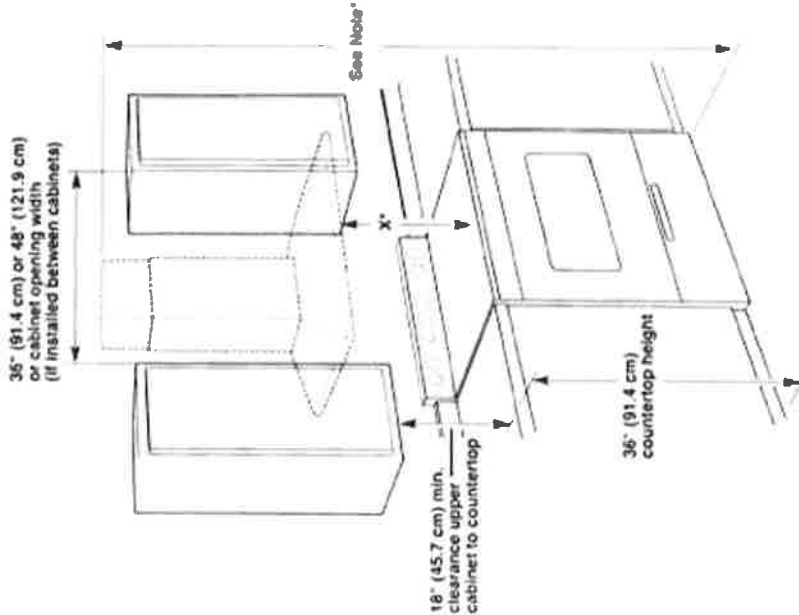
PRODUCT MODEL NUMBERS

KXW9736Y KXW9748Y

Electrical Requirements:

- A 120 volt 60 Hz, AC only, 15-amp, fused electrical circuit is required
 - If the house has aluminum wiring, follow the procedure below:
 1. Connect a section of solid copper wire to the pigtail 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.

CABINET OPENING DIMENSIONS



IMPORTANT:

Minimum distance "X" 24" (61 cm) from electric cooking surfaces
Minimum distance "X" 30" (76.2 cm) from gas cooking surfaces
The chimneys can be adjusted for different ceiling heights. See the following chart

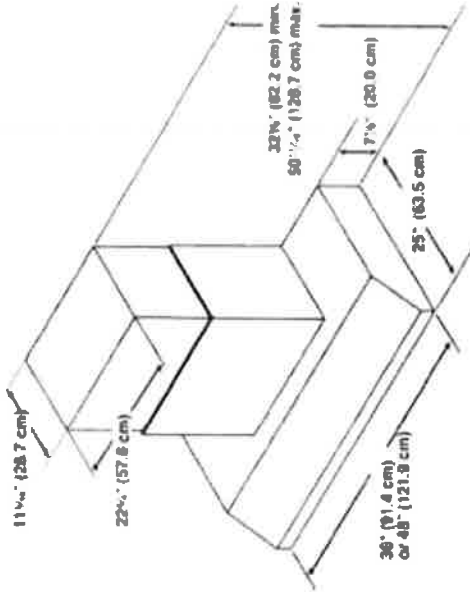
Vented Installations		
	Min. ceiling height	Max. ceiling height
Electric cooking surface	7' 9" (2.36 m)	10' 2" (3.1 m)
Gas cooking surface	8' 3" (2.51 m)	10' 2" (3.1 m)

***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, an Extension Kit Part Number W10352733 is available from your dealer or an authorized parts distributor. The chimney extension replaces the upper chimney shipped with the range hood.

Because Whirlpool Corporation policy includes a continuous commitment to improve our products, we reserve the right to change dimensions and specifications without notice.

PRODUCT DIMENSIONS

Vented Installations



VENTING REQUIREMENTS

- Vent system must terminate to the outdoors
- 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 1 elbow is used
- Do not install 2 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

Venting Methods

Typical Internal Blower Motor System Venting Installations

A 10" (25.4 cm) round vent system is needed for installation (not included). The range hood exhaust opening is 10" (25.4 cm) round.

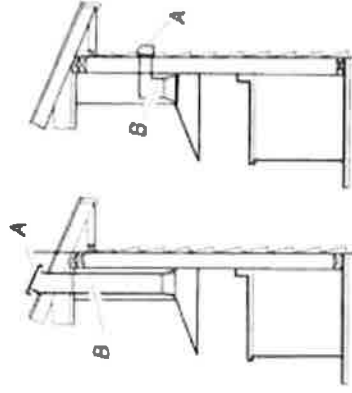
NOTE: Flexible vent is not recommended. Flexible vent creates back pressure and air turbulence that greatly reduce performance.

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Roof Venting

Dr. William J. Burry



- A. Roof cap
B. 10" (25.4 cm)
round vent

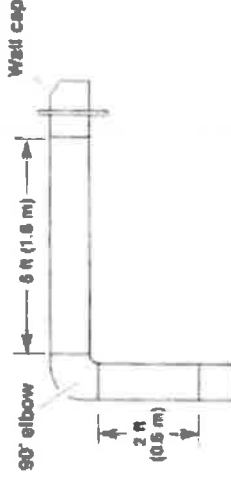
- A. 10" (25.4 cm) round vent
- B. Mount on top of ceiling joists.
- C. Roof caps
- D. Plywood (optional on some installations)
- E. Mount on underside of roof rafters.
- F. Mount from cross-members tied to trusses.
- G. Duct horizontal; mount to cross-members tied to trusses.
- H. Wall cap

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

Vent Piece	Equivalent Length
45° elbow	2.5 ft (0.8 m)
90° elbow	5.0 ft (1.5 m)

The maximum equivalent vent lengths are 10' (25.4 cm) round vent - 60 ft (18.3 m)

Example von System



The following example falls within the maximum recommended vent length

1 - 90° elbow	= 50 ft (15 m)
1 - wall cap	= 00 ft (00 m)
8 ft (2.4 m) straight	= 80 ft (24 m)
Length of system	= 130 ft (39 m)

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