

Let 158

KitchenAid®

FOR THE WAY IT'S MADE.™

30" (72.6 cm) and 36" (91.4 cm) Wall-Mount Canopy Range Hood

PRODUCT MODEL NUMBERS

KVWB600D KVWB606D

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

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.

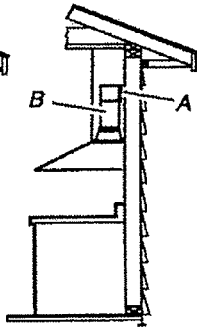
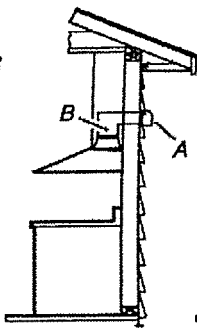
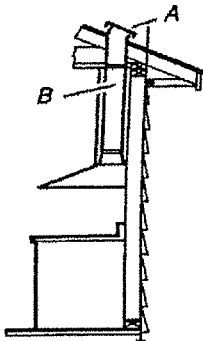
For Non-Vented (Recirculating) Installations

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

Wall Venting

Non-Vented (Recirculating)



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

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

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 System

Vent Piece 6" (15.2 cm) Round

45° elbow 2.5 ft (0.8 m)

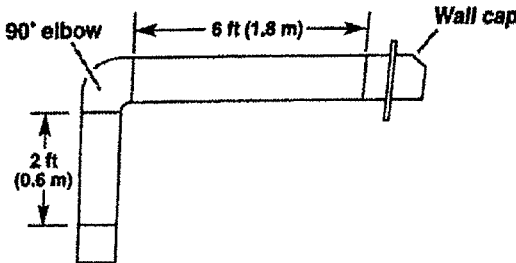


90° elbow 5.0 ft (1.5 m)



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

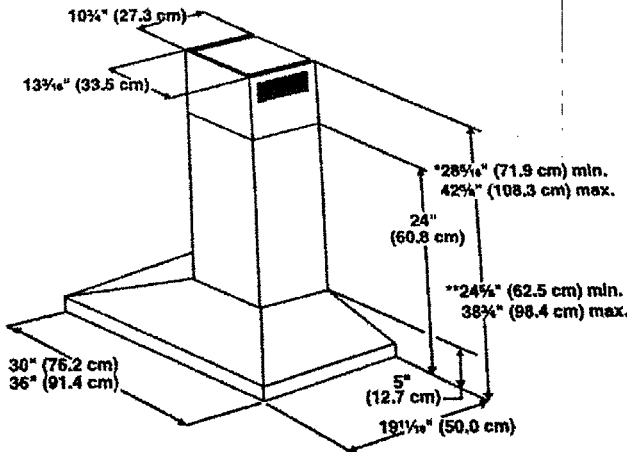
Example Vent System



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)

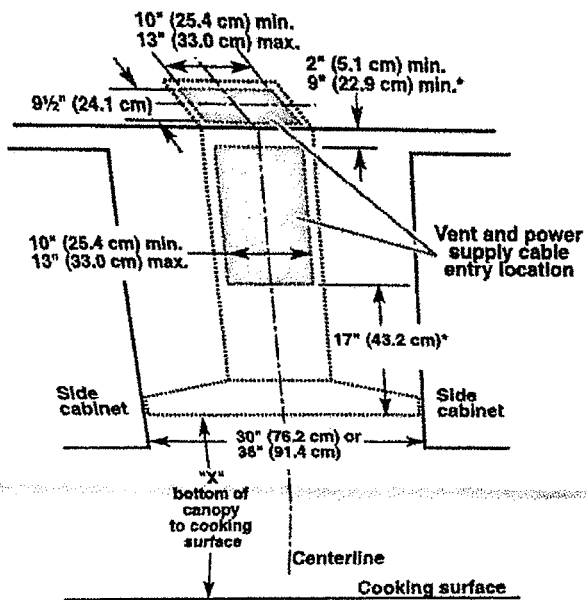
PRODUCT DIMENSIONS



*For non-vented (recirculating) installations

**For vented installations

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' 2" (2.79 m)
Gas cooking surface	7' 4" (2.23 m)	9' 2" (2.79 m)

Non-vented (recirculating) Installations		
	Min. ceiling height	Max. ceiling height
Electric cooking surface	7' 1" (2.16 m)	9' 6" (2.9 m)
Gas cooking surface	7' 4" (2.23 m)	9' 6" (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.

KitchenAid® 30" (76.2 cm) AND 36" (91.4 cm) ELECTRIC INDUCTION COOKTOP

PRODUCT MODEL NUMBERS

KICU509X KICU569X

ELECTRICAL REQUIREMENTS:

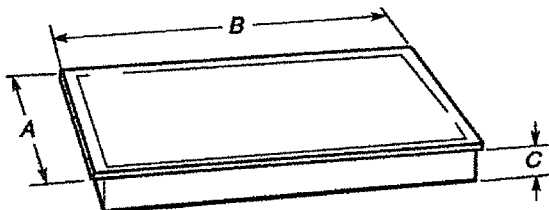
Before You Make the Electrical Connection:

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

- A 4-wire or 3-wire, single phase, 240 volt, 60 Hz., AC only electrical supply is required on a separate, 50-amp circuit (36" [91.4 cm] models) or 40-amp circuit (30" [76.2 cm] models), fused on both sides of the line.
- The cooktop should be connected directly to the junction box through flexible, armored or nonmetallic sheathed, copper cable. The flexible, armored cable extending from the fuse box or circuit breaker box should be connected directly to the junction box.
- Locate the junction box to allow as much slack as possible between the junction box and the cooktop so that the cooktop can be moved if servicing becomes necessary in the future.
- Do not cut the conduit. The length of conduit provided is for serviceability of the cooktop.
- A UL listed or CSA approved conduit connector must be provided at each end of the power supply cable (at the cooktop and at the junction box). A listed conduit connector is already provided at the cooktop.
- 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.

PRODUCT DIMENSIONS

30" (76.2 cm) Cooktop



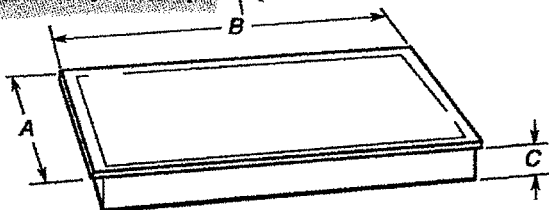
Model JIC4430

- A. 21 $\frac{1}{8}$ " (54.1 cm)
- B. 30 $\frac{3}{16}$ " (77.0 cm)
- C. 3 $\frac{1}{8}$ " (8.0 cm)

Model KICU509

- A. 21 $\frac{1}{8}$ " (54.1 cm)
- B. 30 $\frac{3}{4}$ " (78.2 cm)
- C. 3 $\frac{1}{8}$ " (8.0 cm)

36" (91.4 cm) Cooktop

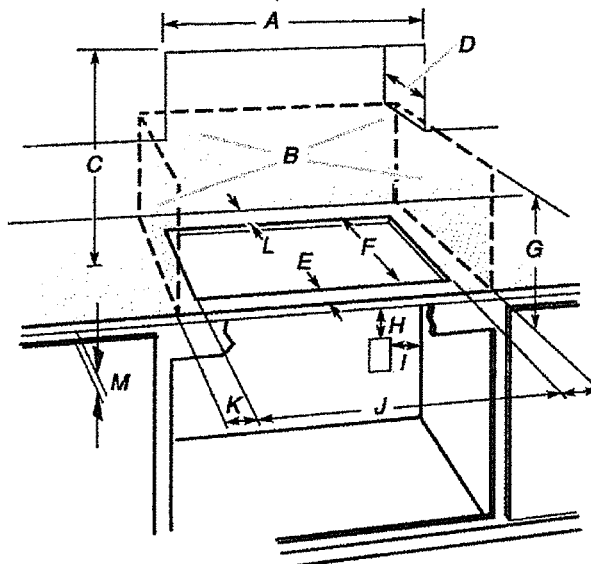


Models JIC4536 and KICU569

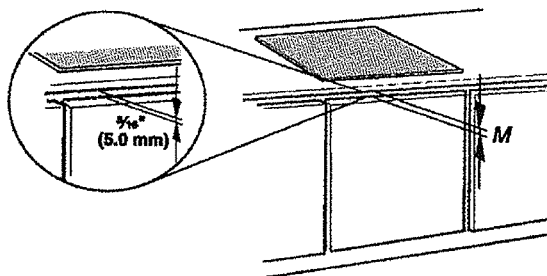
- A. 21 $\frac{1}{8}$ " (54.1 cm)
- B. 36 $\frac{3}{16}$ " (92.0 cm)
- C. 3 $\frac{1}{8}$ " (8.0 cm)

CABINET DIMENSIONS

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.



- A. 29 $\frac{1}{2}$ " (75.0 cm) on 30" (76.2 cm) models
33 $\frac{1}{8}$ " (84.0 cm) on 36" (91.4 cm) models
- B. Combustible area above countertop (shown by dashed box above)
- C. 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)
- D. 13" (33.0 cm) recommended upper cabinet depth
- E. 2" (5.1 cm)
- F. 19 $\frac{3}{8}$ " (49.0 cm)
- G. 18" (45.7 cm) minimum clearance from upper cabinet to countertop within minimum horizontal clearances to cooktop
- H. Junction box or outlet; 12" (30.5 cm) minimum from bottom of countertop
- I. Junction box or outlet; 10" (25.4 cm) from right-hand side of cabinet
- J. 29 $\frac{1}{2}$ " (75.0 cm) on 30" (76.2 cm) models
33 $\frac{1}{8}$ " (84.0 cm) on 36" (91.4 cm) models
- K. 1" (2.5 cm) minimum distance to nearest left and right side combustible surface above cooktop
- L. 1" (2.5 cm) minimum clearance between back wall and countertop
- M. **IMPORTANT:** For proper ventilation, provide a vent of 3/8" (5 mm) under the countertop, in the front of the cabinet. The ventilation opening is to extend the full length of the cooktop cutout. See the following illustration.



NOTES: After you make 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 5 $\frac{1}{2}$ " (13 cm) depth clearance from the countertop to the top of the drawer (or other obstruction) in base cabinet is required.

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

PRODUCT MODEL NUMBERS

KEMS309E

KOCE500E

KOCE507E

ELECTRICAL CONNECTION

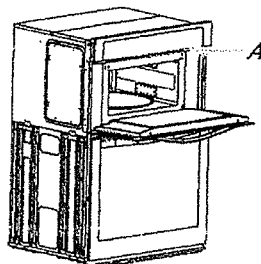
If codes permit and a separate ground wire is used, it is recommended that a qualified electrical installer determine that the ground path and the wire gauge are in accordance with local codes. Check with a qualified electrical installer if you are not sure the oven is properly grounded.

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.

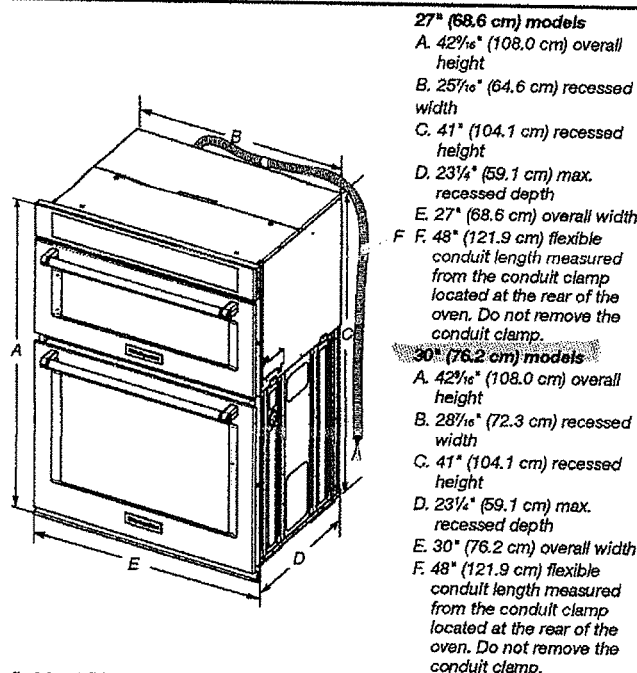
For power requirements, refer to the following table.

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

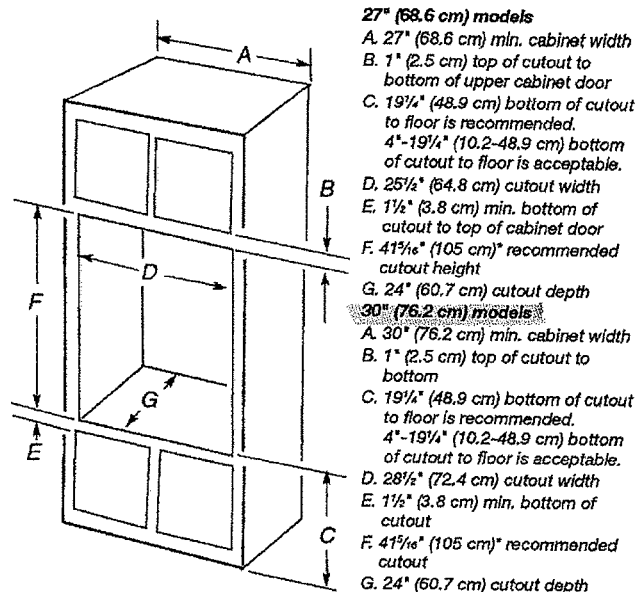
*Amperage values noted above are for information purposes only: the units are rated in watts.

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

PRODUCT DIMENSIONS



Cabinet Dimensions



* NOTE: The cabinet height can be between 41" (104.1 cm) and 41¹/₂" (105.6 cm) for microwave/oven combination.

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

Ref. W10725683B
2/10/15

KitchenAid®

FOR THE WAY IT'S MADE.®

Bottom Mount Refrigerator

PRODUCT MODEL NUMBERS

KRFC302E

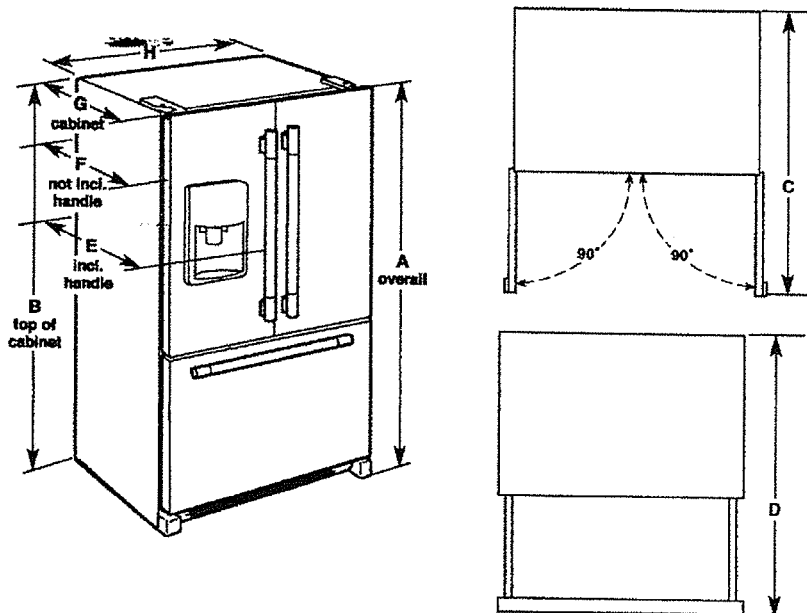
Electrical: A 115 volt, 60 Hz, AC only 15- or 20-amp fused, grounded electrical supply is required. It is recommended that a separate circuit serving only your refrigerator and approved accessories be provided. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

Water: A cold water supply with water pressure of between 35 and 120 psi (241 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:

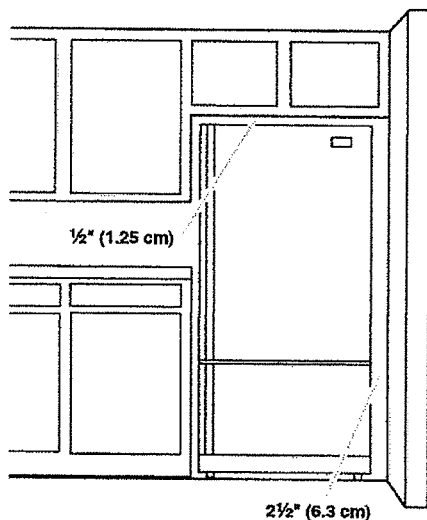
IMPORTANT: The pressure of the water supply coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 35 and 120 psi (241 and 827 kPa).

PRODUCT DIMENSIONS



Model Size	Height - Overall "A"	Height - Top of Cabinet "B"	Depth - Doors Open 90° "C"	Depth - Drawer Open "D"	Depth - With Handles "E"	Depth - Without Handles "F"	Depth - Cabinet Only "G"	Width - Cabinet "H"
21.9	72" (182.9 cm)	71 1/8" (181.3 cm)	44 1/8" (112.1 cm)	45 1/4" (114.9 cm)	30 1/4" (76.8 cm)	27 3/4" (70.5 cm)	24 5/8" (62.5 cm)	35 3/4" (90.8 cm)

LOCATION REQUIREMENTS



IMPORTANT: This refrigerator is designed for indoor, household use only.

To ensure proper ventilation for your refrigerator, allow for 1/2" (1.25 cm) of space on each side and at the top. Allow for 1" (2.54 cm) of space behind the refrigerator. If your refrigerator has an ice maker, allow extra space at the back for the water line connections. When installing your refrigerator next to a fixed wall, leave 2 1/2" (6.3 cm) minimum on the hinge side (some models require more) to allow for the door to swing open.

NOTE: This refrigerator is intended for use in a location where the temperature ranges from a minimum of 55°F (13°C) to a maximum of 110°F (43°C). The preferred room temperature range for optimum performance, which reduces electricity usage and provides superior cooling, is between 60°F (15°C) and 90°F (32°C). It is recommended that you do not install the refrigerator near a heat source, such as an oven or radiator.

KitchenAid® Undercounter Dishwasher

PRODUCT MODEL NUMBERS

KDFE104D
KDFE304D
KDTE104D

KDTE204D
KDTE404D

Electrical Requirements: 120-volt, 60 Hz, AC-only, 15- or 20 amp fused electrical supply. Copper wire only. A time-delay fuse or circuit breaker and separate circuit is recommended.

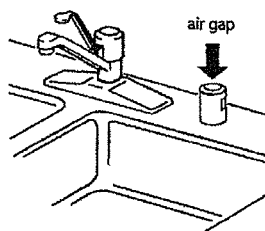
Water Supply Requirements: A hot water line with 20 to 120 psi (138 to 862 kPa) water pressure. Water temperature must be 120°F (49°C) water at dishwasher. Use 3/8" O.D. copper tubing with compression fitting or flexible braided supply line (1/2" minimum plastic tubing is not recommended). Use a 90° elbow with 3/4" N.P.T. external pipe threads on one end. Do not solder within 6" (15.2 cm) from water inlet valve.

Drain Requirements: A new drain hose is supplied with your dishwasher. If this is not long enough, use a new drain hose with a maximum length of 12 ft (3.7 m) (Part Number 3385556) that meets all current AHAM/IAPMO test standards, is resistant to heat and detergent, and fits the 1" (2.5 cm) drain connector of the dishwasher.

Make sure to connect the drain hose to waste tee or disposer inlet above drain trap in house plumbing and 20" (50.8 cm) minimum above the floor. It is recommended

that the drain hose either be looped up and securely fastened to the underside of the counter, or be connected to an air gap.

Make sure to use an air gap if the drain hose is connected to house plumbing lower than 20" (50.8 cm) above subfloor or

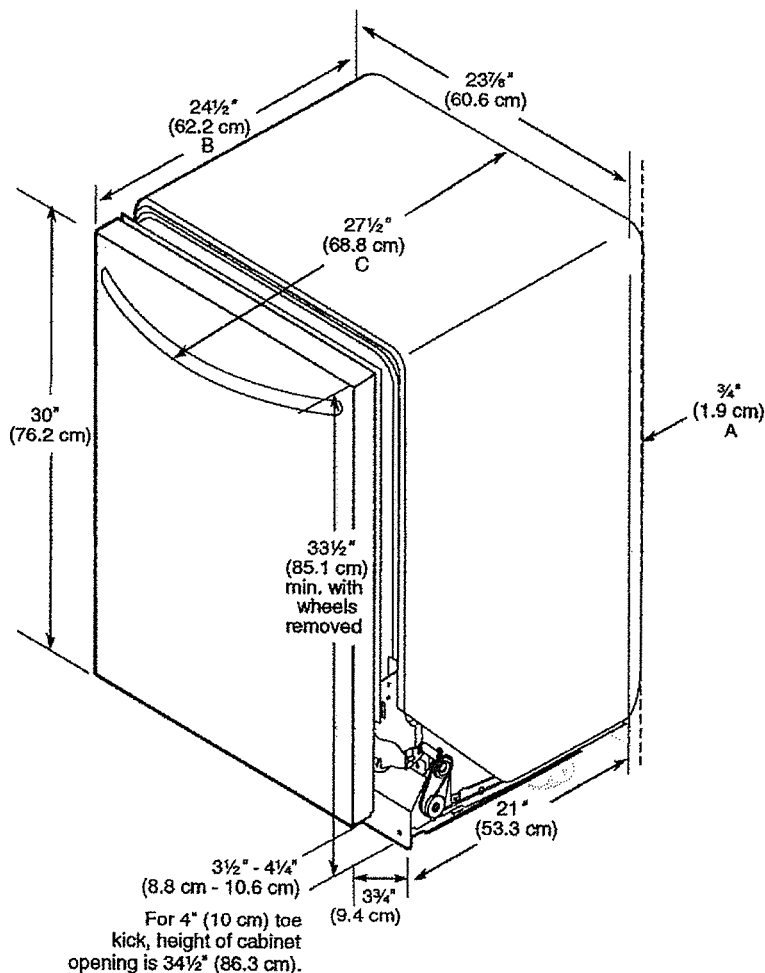


floor.

Use 1/2" (1.3 cm) minimum I.D. drain line fittings.

If required, the air gap should be installed in accordance with the air gap installation instructions. When you connect the air gap, a rubber hose (not provided) will be needed to connect to the waste tee or disposer inlet.

PRODUCT DIMENSIONS



A. Insulation may be compressed (not used on all models).

B. For panel ready models, dishwasher depth is 24" (60 cm) not including the 3/4" (1.9 cm) custom door panel.

C. For Pro Line® handle, depth is 28" (70 cm).

CABINET CUTOUT DIMENSIONS

NOTE: Shaded areas of cabinet walls show where utility connections may be installed.

D. Measured from the lowest point on the underside of the countertop. May be reduced to 33½" (85.1 cm) by removing the wheels and perforated area of insulation (blanket) on dishwasher.

E. Minimum, measured from narrowest point of opening.

