

**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.

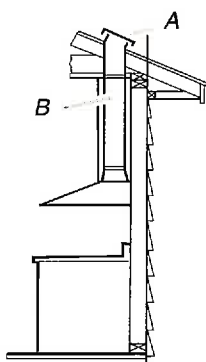
### Rear Discharge

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

### For Non-Vented (Recirculating) Installations

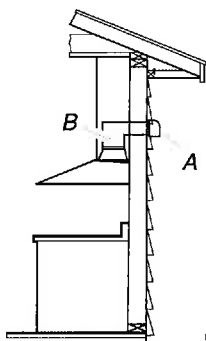
If it is not possible to vent cooking fumes and vapors to the outside, the hood can be used in the non-vented (recirculating) version, using a Recirculation Kit (which includes charcoal filters and a deflector). To order, see the "Assistance or Service" section.

#### Roof Venting



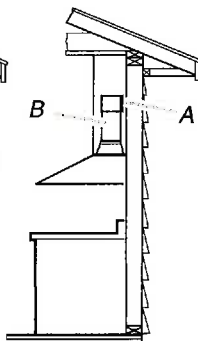
A. Roof cap  
B. 6" (15.2 cm)  
round vent

#### 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 System

##### Vent Piece 6" (15.2 cm) Round

45° elbow 2.5 ft  
(0.8 m)

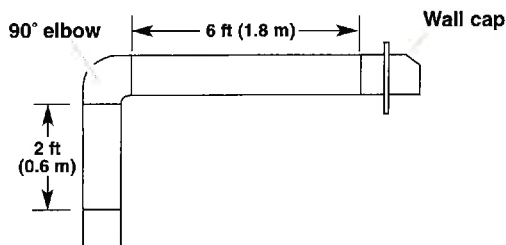


90° elbow 5.0 ft  
(1.5 m)



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).

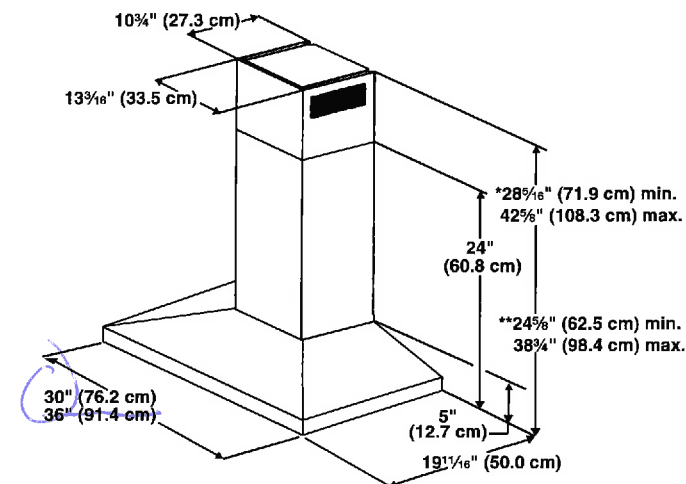
1 - 90° elbow = 5.0 ft (1.5 m)

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



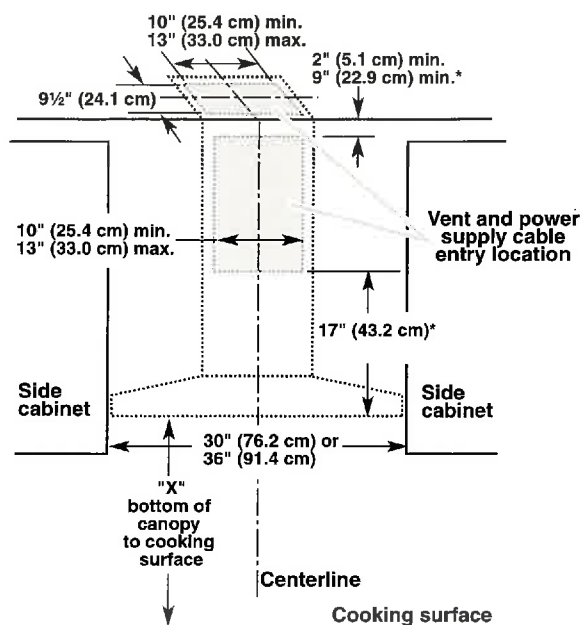
\*For non-vented (recirculating) installations

\*\*For vented installations

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## 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.

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# KitchenAid®

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## Undercounter Dishwasher

10184

### PRODUCT MODEL NUMBERS

KDFE204E, KDTE104E, KDTE204E, KDTE254E, KDTM354E, KDTM384E, KDTM404E, KDTM504E, KDTM704E, KDTM804E

**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.

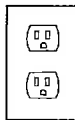
**If direct wiring dishwasher:** Use flexible, armored or nonmetallic, sheathed copper wire with grounding wire that meets the wiring requirements for your home and local codes and ordinances.

Use a UL Listed or CSA Approved conduit connector.

**If connecting dishwasher with a power supply cord:**

Use power supply cord kit (Part Number 4317824) marked for use with dishwashers. Follow the kit instructions for installing the power supply cord.

Power supply cord must plug into a grounded three-prong outlet located in the cabinet next to the dishwasher opening. Outlet must meet all local codes and ordinances.



**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 water supply line

**Note:** 1/2" minimum plastic tubing is not recommended.

Use a 90° elbow with 3/4" hose connection with rubber washer (part number W10273460). 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' (3.7 m) (Part No. 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

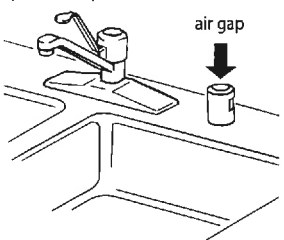
that the drain hose either be looped up and securely fastened to the underside of the counter, or be connected to an air gap.

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

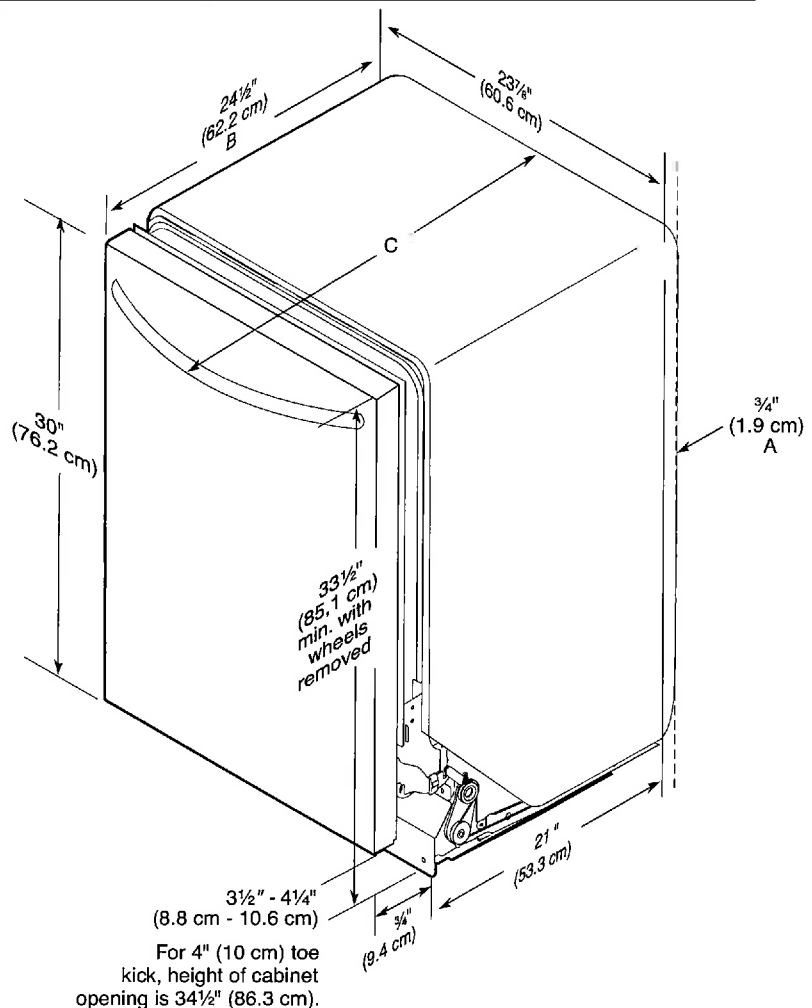
floor.

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 connecting 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. Door handles may protrude forward of the face of the dishwasher; varies by model.



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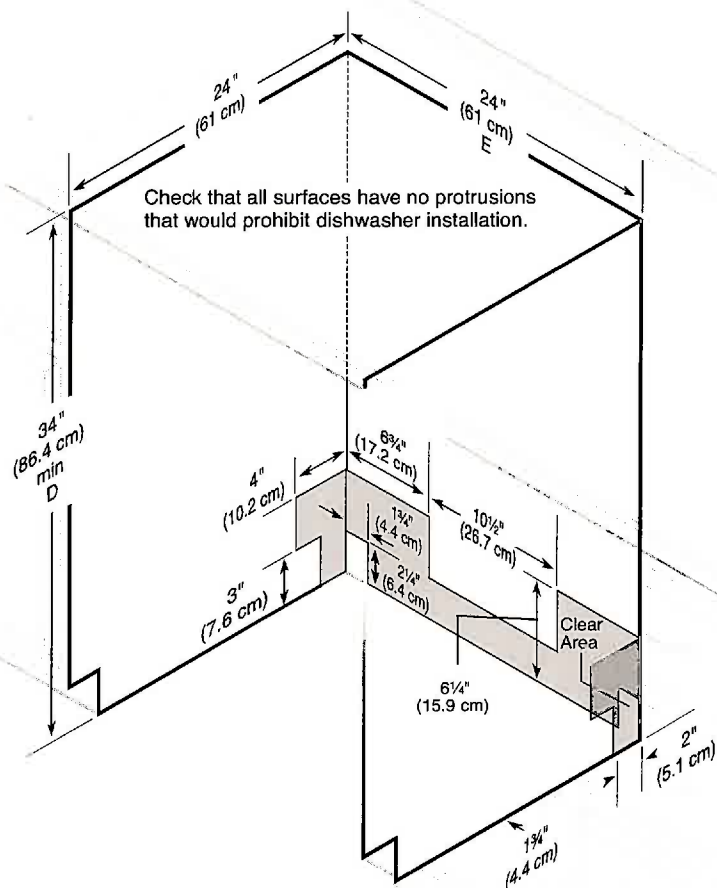
Page 1 of 2

## CABINET CUTOUT DIMENSIONS

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

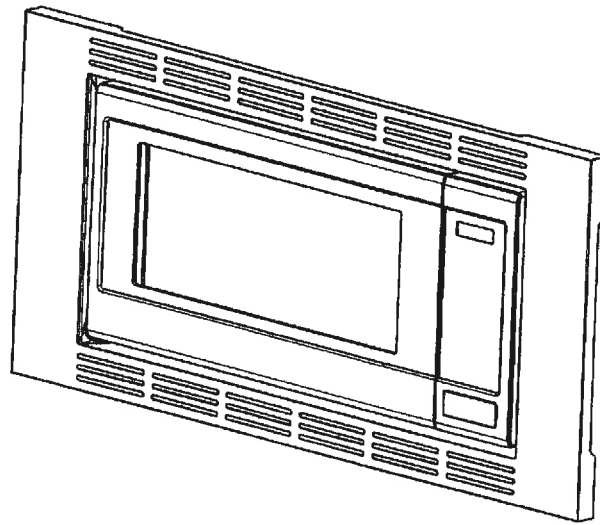
\*Measure from the lowest point on the underside of the countertop. May be reduced to  $33\frac{1}{2}$ " (85.1 cm) by removing the rear leveling legs from dishwasher.

\*\*Minimum, measured from narrowest point of opening.



10624

**Panasonic®**



**Installation Instructions**  
**Notice d'installation**  
**Instrucciones para la instalación**

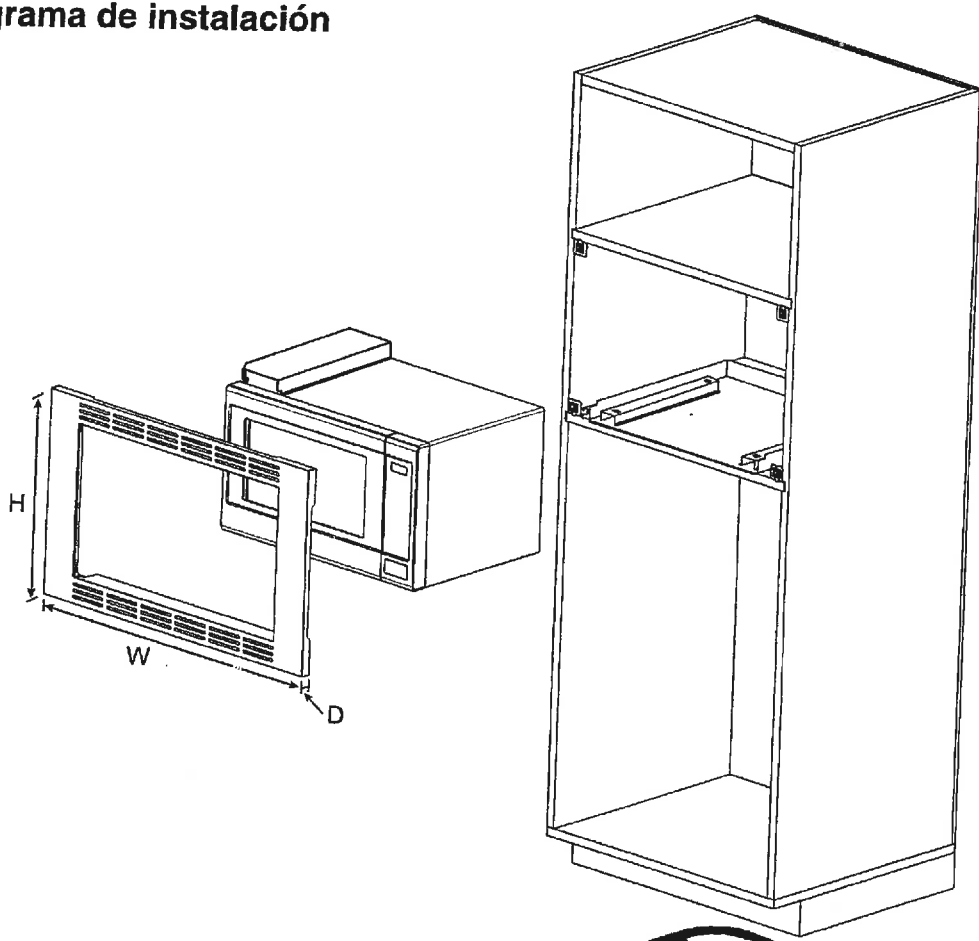
Cabinet Armoire Gabinete	Trim kit Nécessaire d'encastrement Juego de acabados
<del>30" (762 mm)</del> <del>30 po (762 mm)</del> <del>30" (762 mm)</del>	<del>NN-TK932S</del> <del>NN-TK792S</del>
27" (686 mm) 27 po (686 mm) 27" (686 mm)	<del>NN-TK822S</del> NN-TK722S

Read carefully and keep these installation instructions.  
Lisez attentivement et conservez cette notice d'installation.  
Lea cuidadosamente y guarde este instructivo de  
instalación para su referencia.

© Panasonic Appliances Microwave Oven (Shanghai) Co., Ltd. 2012

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2. Installation Diagram  
 2. Schéma d'installation  
 2. Diagrama de instalación



Trim Kit Dimensions				
	TK932S	TK922S	TK732S	TK722S
Width	30" (760 mm)	27" (684 mm)	30" (760 mm)	27" (684 mm)
Height	18 9/16" (472 mm)	18 9/16" (472 mm)	16 1/2" (419 mm)	16 1/2" (419 mm)
Depth (Thickness)	3/4" (20 mm)	3/4" (20 mm)	3/4" (20 mm)	3/4" (20 mm)

Dimensions du nécessaire d'encastrement				
	TK932S	TK922S	TK732S	TK722S
Largeur	760 mm (30 po)	684 mm (27 po)	760 mm (30 po)	684 mm (27 po)
Hauteur	472 mm (18 9/16 po)	472 mm (18 9/16 po)	419 mm (16 1/2 po)	419 mm (16 1/2 po)
Profondeur (épaisseur)	20 mm (3/4 po)	20 mm (3/4 po)	20 mm (3/4 po)	20 mm (3/4 po)

Dimensiones del juego de acabados				
	TK932S	TK922S	TK732S	TK722S
Ancho	30" (760 mm)	27" (684 mm)	30" (760 mm)	27" (684 mm)
Altura	18 9/16" (472 mm)	18 9/16" (472 mm)	16 1/2" (419 mm)	16 1/2" (419 mm)
Profundidad (grosor)	3/4" (20 mm)	3/4" (20 mm)	3/4" (20 mm)	3/4" (20 mm)

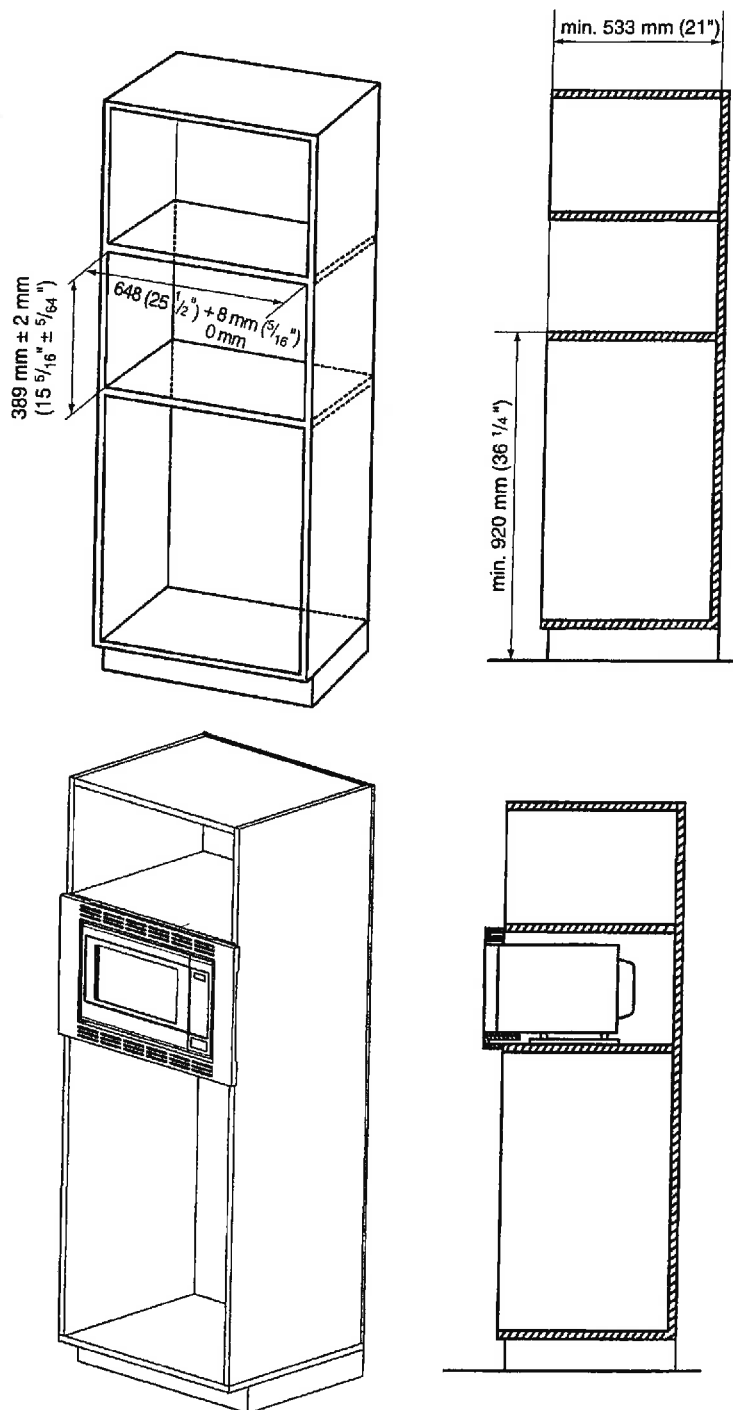
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3-4. Cabinet Diagram and Dimensions (For TK722S)

3-4. Schéma de l'armoire et dimensions (Pour TK722S)

3-4. Dimensiones y diagrama del gabinete (Para TK722S)

fig 1.



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- The anti-tip bracket must be installed. To install the anti-tip bracket shipped with the range, see "Install Anti-Tip Bracket" section.
- Grounded electrical supply is required. See the appropriate "Electrical Requirements" section.
- Proper gas supply connection must be available. See "Gas Supply Requirements" section.
- Contact a qualified floor covering installer to check that the floor covering can withstand at least 200°F (93°C).
- Use an insulated pad or ¼" (0.64 cm) plywood under range if installing range over carpeting.

**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).

#### Mobile Home - Additional Installation Requirements

The installation of this range must conform to the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280 (formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD Part 280). When such standard is not applicable, use the Standard for Manufactured Home Installations, ANSI A225.1/NFPA 501A or with local codes.

In Canada, the installation of this range must conform with the current standards CAN/CSA-A240-latest edition, or with local codes.

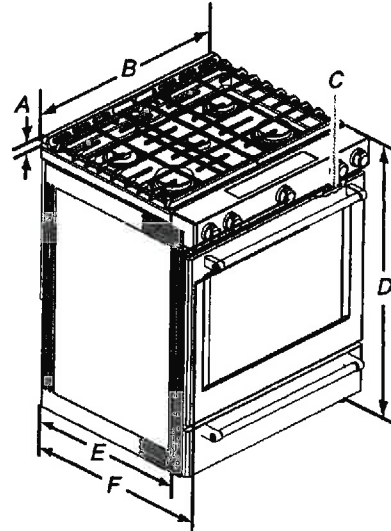
#### Mobile Home Installations Require:

- When this range is installed in a mobile home, it must be secured to the floor during transit. Any method of securing the range is adequate as long as it conforms to the standards listed above.
- Four-wire power supply cord or cable must be used in a mobile home installation. The appliance wiring will need to be revised. See "Electrical Connection - U.S.A. Only" section.

#### Product Dimensions

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

#### Model KSDB900E



A. 1 ½" (3.0 cm) height from cooktop to top of vent

B. 29 ½" (75.9 cm)

C. Model/serial/rating 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 in all the way\*

E. 28 ½" (71.9 cm) max. depth from front of console to back of range

F. 28 ½" (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.

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## Cabinet Dimensions

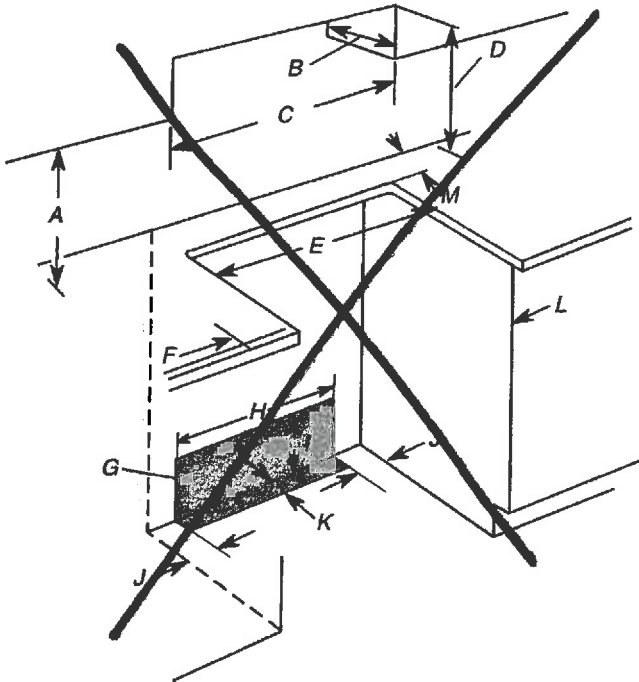
Cabinet opening dimensions shown are for 25" (64.0 cm) countertop depth, 24" (61.0 cm) base cabinet depth and 36" (91.4 cm) countertop height.

**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.

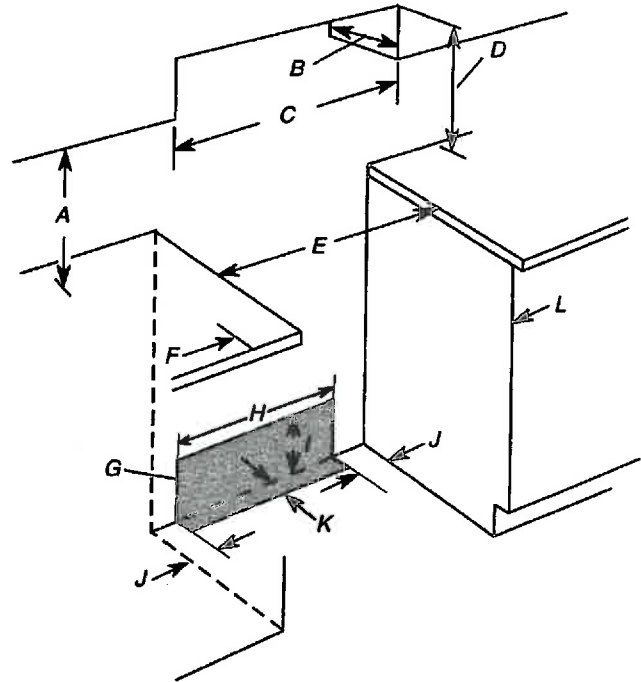
**NOTE:** When installed in a slide-in cutout, the front of oven door may protrude beyond the base cabinet.

### Slide-in Cutout



- 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. 30" (76.2 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) plus measurement of M
- L. Cabinet door or hinges should not extend into the cutout.
- M. Remaining counter depth should not exceed 2 1/4" (5.7 cm).

### Freestanding Cutout



- 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. 30" (76.2 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)
- L. Cabinet door or hinges should not extend into the cutout.

**\*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.

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## Electrical Requirements - U.S.A. Only

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.

Do not use an extension cord.

Be sure that the electrical connection and wire size are adequate and in conformance with the National Electrical Code, ANSI/NFPA 70-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

**WARNING:** Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service technician if you are in doubt as to whether the appliance is properly grounded. Do not modify the power supply cord plug. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

### Electrical Connection

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

- Range 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 behind the oven door on the top right-hand side of the oven frame.
- This range is manufactured with the neutral terminal connected to the cabinet. Use a 3-wire, UL listed, 40- or 50-amp power supply cord (pigtail). See the following Range Rating chart. If local codes do not permit ground through the neutral, use a 4-wire power supply cord rated at 250 volts, 40- or 50-amps and investigated for use with ranges.

Range Rating*		Specified Rating of Power Supply Cord Kit and Circuit Protection
120/240 Volts	120/208 Volts	Amps
8.8 - 16.5 KW	7.8 - 12.5 KW	40 or 50**
16.6 - 22.5 KW	12.6 - 18.5 KW	50

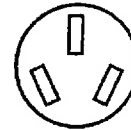
\*The NEC calculated load is less than the total connected load listed on the model/serial/rating plate.

\*\*If connecting to a 50-amp circuit, use a 50-amp rated cord with kit. For 50-amp rated cord kits, use kits that specify use with a nominal 1 1/2" (3.5 cm) diameter connection opening.

- A circuit breaker is recommended.
- The range can be connected directly to the circuit breaker box (or fused disconnect) through flexible or nonmetallic sheathed, copper or aluminum cable. See the "Electrical Connection - U.S.A. Only" section.
- Allow at least 6 ft (1.8 m) of slack in the line so that the range can be moved if servicing is ever necessary.
- A UL listed conduit connector must be provided at each end of the power supply cable (at the range and at the junction box).
- Wire sizes and connections must conform with the rating of the range.
- The tech sheet and wiring diagram are located on the back of the range in a plastic bag.

### If Connecting to a 3-Wire System:

Local codes may permit the use of a UL listed, 3-wire, 250-volt, 40- or 50-amp range power supply cord (pigtail). This cord contains 3 copper conductors with ring terminals or open-end spade terminals with upturned ends, terminating in a NEMA Type 10-50P plug on the supply end. Connectors on the appliance end must be provided at the point the power supply cord enters the appliance. This uses a 3-wire receptacle of NEMA Type 10-50R.



3-wire receptacle (10-50R)

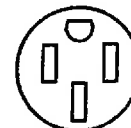
### If Connecting to a 4-Wire System:

This range is manufactured with the ground connected to the neutral by a link. The ground must be revised so the green ground wire of the 4-wire power supply cord is connected to the cabinet. See "Electrical Connection - U.S.A. Only" section.

Grounding through the neutral conductor is prohibited for new branch-circuit installations (1996 NEC); mobile homes; and recreational vehicles, or an area where local codes prohibit grounding through the neutral conductor.

When a 4-wire receptacle of NEMA Type 14-50R is used, a matching UL listed, 4-wire, 250-volt, 40- or 50-amp, range power supply cord (pigtail) must be used. This cord contains 4 copper conductors with ring terminals or open-end spade terminals with upturned ends, terminating in a NEMA Type 14-50P plug on the supply end.

The fourth (grounding) conductor must be identified by a green or green/yellow cover and the neutral conductor by a white cover. Cord should be Type SRD or SRDT with a UL listed strain relief and be at least 4 ft (1.22 m) long.



4-wire receptacle (14-50R)

The minimum conductor sized for the copper 4-wire power cord are:

- 40-amp circuit
- 2 No.-8 conductors
- 1 No.-10 white neutral
- 1 No.-10 green grounding

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## Electrical Requirements - Canada Only

### ⚠ WARNING



#### Electrical Shock Hazard

**Electrically ground range.**

**Failure to do so can result in death, fire, or electrical shock.**

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 and wire gauge are in accordance with local codes.

Be sure that the electrical connection and wire size are adequate and in conformance with CSA Standard C22.1, Canadian Electrical Code, Part 1 - latest edition, and all local codes and ordinances.

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

Canadian Standards Association  
178 Rexdale Blvd.  
Toronto, ON M9W 1R3 CANADA

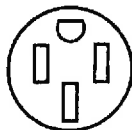
- Check with a qualified electrical installer if you are not sure the range is properly grounded.

Range Rating*	Specified Rating of Power Supply Cord Kit and Circuit Protection	
120/240 Volts	120/208 Volts	Amps
8.8 - 16.5 KW	7.8 - 12.5 KW	40 or 50**
16.6 - 22.5 KW	12.6 - 18.5 KW	50

\*The NEC calculated load is less than the total connected load listed on the model/serial/rating plate.

\*\*If connecting to a 50-amp circuit, use a 50-amp rated cord with kit. For 50-amp rated cord kits, use kits that specify use with a nominal 1 3/8" (3.5 cm) diameter connection opening.

- A circuit breaker is recommended.
- This range is equipped with a CSA International Certified Power Cord intended to be plugged into a standard 14-50R wall receptacle. Be sure the wall receptacle is within reach of range's final location.



- Do not use an extension cord.
- The tech sheet and wiring diagram are located on the back of the range in a plastic bag.

## 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 range must be conducted according to the manufacturer's instructions.

#### 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 on the oven frame behind the top right-hand side of the oven door 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.

#### Gas Supply Line

- Provide a gas supply line of 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 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.

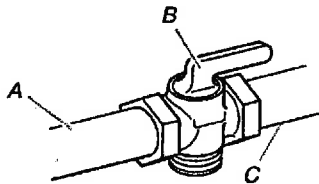
†TEFLON is a registered trademark of E.I. Du Pont De Nemours and Company.

### Flexible Metal Appliance Connector:

- If local codes permit, a new CSA design-certified, 4 to 5 ft (122 to 152.4 cm) long, ½" or ¾" (1.3 or 1.9 cm) I.D. (inside diameter), flexible metal appliance connector may be used for connecting range to the gas supply line.



- A ½" (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.

### 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 are 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 ½ psi Gauge (14" WCP)

The range 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 ½ psi (3.5 kPa).

#### Line Pressure Testing at ½ psi Gauge (14" WCP) or Lower

The range 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 ½ psi (3.5 kPa).

## Bottom Mount Refrigerator

### PRODUCT MODEL NUMBERS

KRFC302E

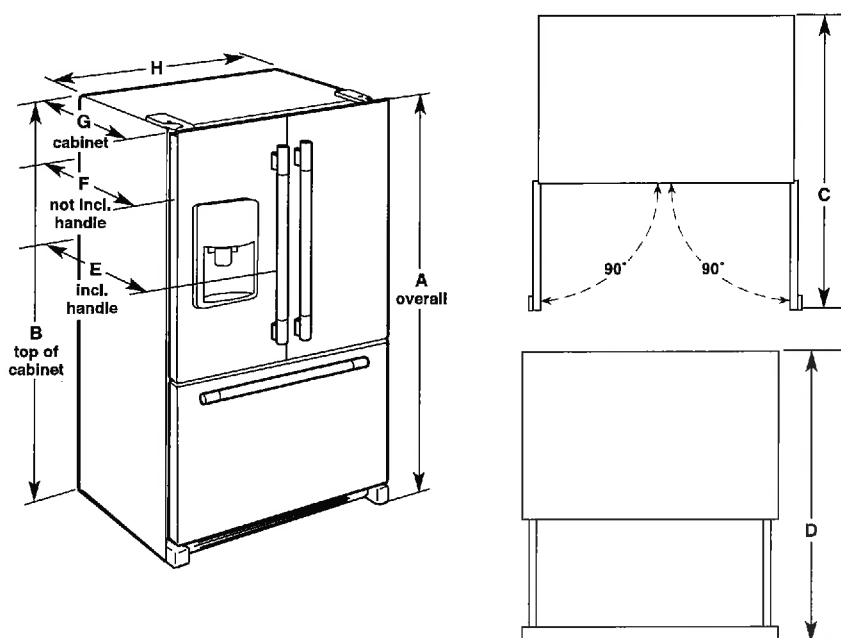
**Electrical:** A 115 volt, 60 Hz, AC only 15- or 20-amp fused, grounded electrical supply is required. It is recommended that a separate circuit serving only your refrigerator and approved accessories be provided. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

**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:

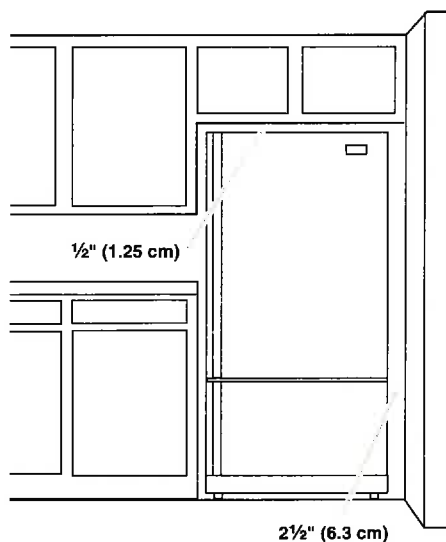
**IMPORTANT:** The pressure of the water supply coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 35 and 120 psi (241 and 827 kPa).

### 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 3/4" (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.

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Microwave Ovens

Cyclonic Inverter™

**Countertop NN-SD765S**

<b>MODEL &amp; SIZE</b>	<b>Model Number</b>	<b>NN-SD765S</b>
	<b>Type</b>	<b>Family-size</b>
	<b>Installation</b>	<b>Countertop or built-in</b>
	<b>Oven Capacity</b>	<b>1.6 cu. ft.</b>
	<b>Cooking Power</b>	<b>1200W</b>
	<b>Turntable Diameter</b>	<b>380mm</b>
<b>PANASONIC TECHNOLOGY</b>	<b>Panasonic Inverter</b>	<b>Cyclonic Inverter</b>
	<b>Genius Sensor</b>	<b>Genius®</b>
<b>DESIGN</b>	<b>Color</b>	<b>Stainless Steel</b>
	<b>Control Panel</b>	<b>Solid Dial + Button</b>
	<b>Display Panel</b>	<b>New 6 Digit LCD / Green</b>
<b>STYLE</b>	<b>Door Window</b>	<b>Smoked Glass</b>
	<b>Door Release</b>	<b>Push Open</b>
	<b>Oven Interior</b>	<b>Paint White</b>
<b>PERFORMANCE</b>	<b>Multi-stage Cooking</b>	<b>3 stage</b>
<b>PROGRAMMABLE FEATURES</b>	<b>Sensor Cook</b>	<b>Yes</b>
	<b>Sensor Reheat</b>	<b>Yes</b>
	<b>Auto Cook/Reheat</b>	<b>Yes</b>
	<b>More / Less Control</b>	<b>Yes</b>
	<b>Inverter Turbo Defrost</b>	<b>Yes</b>
	<b>Keep Warm Button</b>	<b>Yes</b>
	<b>Popcorn Button</b>	<b>Yes</b>

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		Quick Minute	Yes
SPECIFICATIONS		Cavity Dimensions (W x D x H)	Approx. 418 x 470 x 228 mm 15.7 x 18.5 x 8.3 inch
		Unit Dimensions (W x D x H)	555 x 506 x 304 mm 21.9 x 19.9 x 12 inch
		Carton Dimensions (W x D x H)	627 x 540 x 360 mm
ACCESSORIES	TRIM KITS	27" Model Number	NN-TK722S
		30" Model Number	NN-TK732S
	Accessory		Glass Tray

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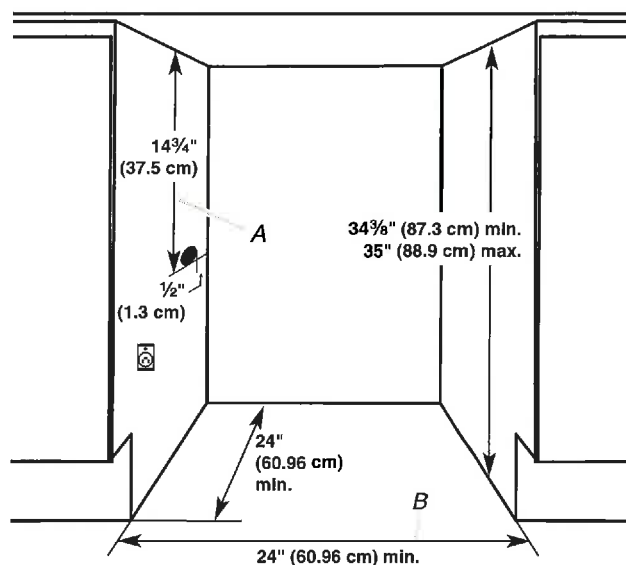
**PRODUCT MODEL NUMBERS**

KUBL204E      KUBL304E  
KUBR204E      KUBR304E

**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 beverage center be provided. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

**NOTE:** Before performing any type of installation, cleaning, or removing a light bulb, unplug beverage center or disconnect power.

**OPENING DIMENSIONS**

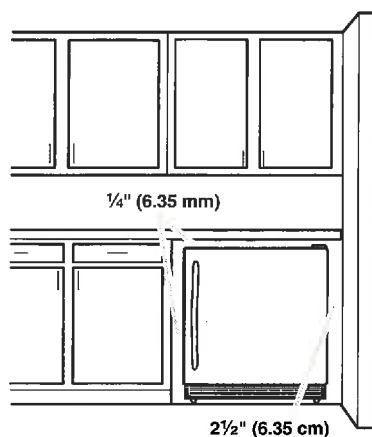


A. 14 3/4" (37.5 cm) utility opening  
B. 24" (60.96 cm) minimum opening width

- Height dimensions are shown with the leveling legs extended to the minimum height.  
**NOTE:** When leveling legs are fully extended, add 5/8" (15 mm) to the height dimensions.
- If the floor of the opening is not level with the kitchen floor, shim the opening to make it level with the kitchen floor.

Model	Door Swing
KUBL204E KUBL304E	Left
KUBR204E KUBR304E	Right

**LOCATION REQUIREMENTS**



To ensure proper ventilation for your beverage center, allow for a 1/4" (6.35 mm) space on each side and at the top. When installing your beverage center next to a fixed wall, leave 2 1/2" (6.35 cm) minimum clearance on the hinge side to allow for the door to swing open.

**NOTE:** It is recommended that you do not install the beverage center near an oven, radiator, or other heat source. Do not install in a location where the temperature will fall below 55°F (13°C). For best performance, do not install the beverage center behind a cabinet door or block the base grille.

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