# KitchenAid<sup>®</sup>

### PRODUCT MODEL NUMBERS

KRFC704F

KRFC604F

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.

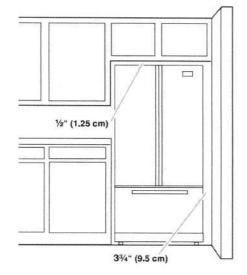
Water: A cold water supply with water pressure between 35 and 120 psi (241 and 827 kPa) is required to operate the water dispenser and ice maker. If you have questions about your water pressure, call a licensed, qualified plumber.

NOTE: If the water pressure is less than what is required, the flow of water from the water dispenser could decrease or ice cubes could be hollow or irregular shaped.

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).

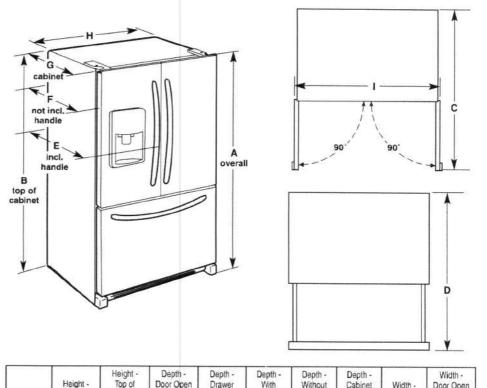
If a reverse osmosis water filtration system is connected to your cold water supply. the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276 to 414 kPa).

### **LOCATION REQUIREMENTS**



# French Door w/Ice Dispenser Refrigerator

### **PRODUCT DIMENSIONS**



Model Size	Height - Overall "A"	Height - Top of Cabinet "B"	Depth - Door Open 90° "C"	Depth - Drawer Open "D"	Depth - With Handles *E"	Depth - Without Handles "F"	Depth - Cabinet Only "G"	Width - Cabinet "H"	Width - Door Open 90° "1"
23.8 cu. ft	71 <sup>7</sup> / <sub>8</sub> *	70 <sup>7</sup> / <sub>9</sub> *	43%*	45 <sup>7</sup> /s"	31½*	28 <sup>7</sup> / <sub>3</sub> *	24°/,"	35 <sup>5</sup> /a <sup>1</sup>	43 <sup>5</sup> / <sub>8</sub> *
	(182.6 cm)	(180.0 cm)	(111.1 cm)	(116.5 cm)	(80.0 cm)	(73.3 cm)	(61.9 cm)	(90.5 cm)	(110.8 cm)

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

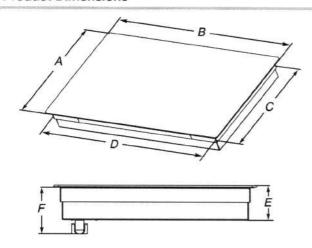
To ensure proper ventilation for your refrigerator, allow for a 1/2" (1.25 cm) of space on each side and at the top. Allow for a 1" (2.54 cm) space behind the refrigerator. If your refrigerator has an ice maker, allow extra space at the back for the water line connections. When installing your refrigerator next to a fixed wall, leave a 3¾" (9.5 cm) minimum space between the refrigerator and wall to allow 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.

- The cooktop should be installed away from strong draft areas, such as windows, doors, fans or strong heating vents. The cooktop should be located for convenient use in the kitchen.
- Use the countertop opening dimensions that are given with these Installation Instructions. Given dimensions are minimum clearances and provide 0" (0 cm) clearance.
- Grounded electrical supply is required. See "Electrical Requirements" section.

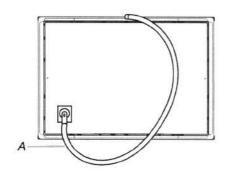
**IMPORTANT:** To avoid damage to your cabinets, check with your builder or cabinet supplier to make sure that the materials used will not discolor, delaminate, or sustain other damage.

### **Product Dimensions**



- A. Glass depth black and white models 21 ¾" (55.2 cm) Glass depth - stainless steel models - 22 ½" (56.4 cm)
- B. Glass width 24" (60.9 cm) models 23 <sup>13</sup>/1e<sup>8</sup> (60.5 cm) Glass width - 30" (76.2 cm) models - 30 <sup>13</sup>/1e<sup>8</sup> (78.4 cm) Glass width - 36" (91.4 cm) models - 36 <sup>5</sup>/1e<sup>8</sup> (92.3 cm)
- C. Frame depth 20 5/16" (51.6 cm)
- D. Frame width 24" (60.9 cm) models 21 <sup>59</sup>/<sub>64</sub>" (55.7 cm) Frame width - 30" (76.2 cm) models - 29" (73.7 cm) Frame width - 36" (91.4 cm) models - 34 <sup>7</sup>/<sub>16</sub>" (87.5 cm)
- E. Cooktop height with bottom heat shield 3 <sup>7</sup>/<sub>8</sub>\* (9.8 cm) Cooktop height lighted knobs - 4 <sup>15</sup>/<sub>16</sub> (12.55 cm)
- F. Cooktop height including conduit (located at rear of cooktop, right side) 5" (12.7 cm)

Cooktop height lighted knobs, including conduit (located at rear of cooktop, right side) - 6 1/16" (15.4 cm)

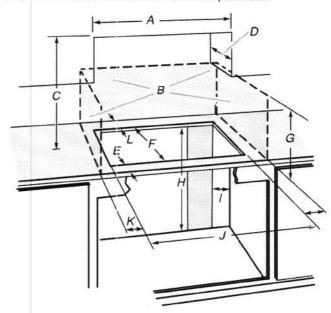


A. Location of Power Cord (length of power cord is 48" (121.9 cm), including the conduit)

KCES 550498

### **Cabinet Dimensions**

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



- A. 24" (60.9 cm) on 24" models; 30" (76.2 cm) on 30" models; 36" (91.4 cm) on 36" 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 ¼"[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 cm) recommended upper cabinet depth
- E. 2" (5.1 cm)
- F. 201/s" (52.0 cm) recommended cutout. Will fit in cutout from 20%="-20%s" (51.8-52.2 cm).
- G. 18" (45.7 cm) minimum clearance from upper cabinet to countertop within minimum horizontal clearances to cooktop
- H. Junction box or outlet: 7" (17.8 cm) minimum from top of countertop
- Junction box or outlet: 9" (23.0 cm) maximum from right side of cabinet
- J. 29½" (74.9 cm) recommended cutout on 30" (76.2 cm) models. Will fit in cutout from 29 ½ε"-29 ½ε" (73.8-75.1 cm) on 30" (76.2 cm) models.

(76.2 cm) models.
35½" (90.2 cm) recommended cutout on 36" (91.4 cm) models.
Will fit in cutout from 34 1/16"-35 5/16" (87.8-90.3 cm) on 36"(91.4 cm) models.

- 36"(91.4 cm) models: 22 <sup>5</sup>/1:s" (56.67 cm) recommended cutout on 24" (61.0 cm) Will fit in cutout from 22 <sup>4</sup>/4 - 22 <sup>3</sup>/7 (56.4 - 57.0 cm) on 24 (61.0 cm) models:
- K. 2 1/2" (6.35 cm) minimum distance to nearest left and right side combustible surface above cooktop
- L. 1 1/2" (3.81 cm) minimum clearance between back wall and countertop

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

If cabinet has a drawer, a  $5\frac{1}{2}$ " (14.0 cm) depth clearance from the top of the countertop to the top of the drawer (or other obstruction) in base cabinet is required.

# **Electrical Requirements**

# AWARNING



### **Electrical Shock Hazard**

Disconnect power before servicing.

Use 8 gauge copper wire.

Electrically ground cooktop.

Failure to follow these instructions 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 and wire gauge are in accordance with local codes.

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

Make 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. O-M91-latest edition, and all local codes and ordinances.

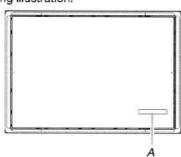
A copy of the above code standards can be obtained from:

National Fire Protection Association 1 Batterymarch Park Quincy, MA 02169-7471 CSA International 8501 East Pleasant Valley Road Cleveland, OH 44131-5575

### 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.

Use a 3-wire or 4-wire, single phase, 120/208 V or 120/240 V, 60 Hz, AC only. The model/serial number rating plate is located on the metal cabinet underneath the cooktop. See the following illustration.



A. Model/serial number plate

 The cooktop is rated for 120/208 V or 120/240 V. Some models have a neutral (white) wire.

For power requirements, refer to the following table:

Family Model	Electrical Ratings at 60 Hz			
Number	208 V~	<b>240 V</b> ~ 6.7 kW		
WCE55US0H	5.0 kW			
WCE55US4H	5.0 kW	6.7 kW		
WCE55US6H	6.0 kW	8.0 kW		
WCE77US0H	6.4 kW	8.5 kW		
WCE77US6H	6.4 kW	8.5 kW		
WCE97US0H	6.8 kW	9.1 kW		
WCE97US6H	6.8 kW	9.1 kW		
MEC8830H	6.5 kW	8.6 kW		
MEC8836H	7.4 kW	9.9 kW		
KCES550H	7.9 kW	10.5 kW		
KCES556H	7.9 kW	10.5 kW		
KCES950H	7.2 kW	9.6 kW		
KCES956H	7.2 kW	9.6 kW		
JEC3430H	6.4 kW	8.5 kW		
JEC3536H	7.9 kW	10.5 kW		
JEC4424H	5.5kW	7.3 kW		
JEC4430H	7.2 kW	9.6 kW		
JEC4536H	7.2 kW	9.6 kW		

- 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. Use the length of conduit provided.

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:

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.



# 27" (68.6 CM) AND 30" (76.2 CM) ELECTRIC SINGLE AND DOUBLE BUILT-IN OVEN

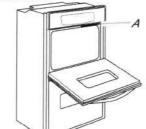
### PRODUCT MODEL NUMBERS

KODE300E	KODT100E	KOST100E
KODE307E	KODT107E	KOST107E
KODE500E	KOSE500E	KEBS109E
KODE507E	KOSE507E	KEBS209E

**Electrical:** 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 number rating plate. The model/serial number rating plate is located under the control panel on single ovens and under the control panel on the upper oven cavity on double ovens. See the following illustrations.





Single Oven

A. Model/serial number plate

Double Oven

A. Model/serial number plate

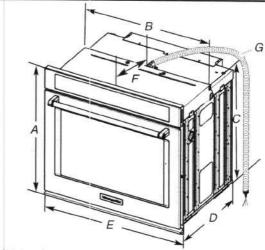
- Models rated from 7.3 to 9.6 kW at 240 volts (5.4 to 7.4 kW at 208 volts) require a separate 40-amp circuit. Models rated at 4.8 kW and below at 240 volts (3.6 kW and below at 208 volts) require a separate 20-amp circuit.
- · A circuit breaker is recommended.
- Connect directly to the circuit breaker box (or fused disconnect) 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.
- · Fuse both sides of the line.
- 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 ends of the flexible conduit 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 for models KOST107E, KOST100E, KOSE507E, KOSE500E, KODE307E, KODE300E, KODE500E, KODE500E, KODT100E and KODT107E, refer to the following table.

Voltage	Single Thermal	Single Convect	Double Thermal	Double Convect	Double Convect/ Thermal
240 VAC	4100 W	4100 W	8163 W	8300 W	8300 W
208 VAC	3100 W	3100 W	6300 W	6300 W	6300 W
240 VAC	17.2 A	17.2 A	34.2 A	34.2 A	34.2 A
208 VAC	15.0 A	15.0 A	29.9 A	29.9 A	29.9 A

### PRODUCT DIMENSIONS



### 27" (68.6 cm) models

- A. 28¾" (72.8 cm) max. overall height
- B. 251/16" (64.6 cm) max. recessed width
- C. 26¾" (6X.9 cm) recessed height
- D. 231/4" (59.1 cm) max. recessed depth
- E. 27" (68.6 cm) overall width
- F. 12" (30.5 cm) from back of control panel to start of strain relief
- G. 48" (121.9 cm) flexible conduit length

A

### 30" (76.2 cm) models

- A. 28¾" (72.8 cm) max. overall height
- B. 28½" (72.4 cm) max. recessed width
- C. 26¾" (67.9 cm) recessed height
- D. 231/4" (59.1 cm) max. recessed depth
- E. 30" (76.2 cm) overall width
- F. 12" (30.5 cm) from back of control panel to start of strain relief
- G. 48" (121.9 cm) flexible conduit length

### 27" (68.6 cm) modeļs

- A. 513/16" (130.0 cm) max. overall height
- B. 25V16" (64.6 cm) max. recessed width
- C. 48<sup>1</sup>%/16" (124.0 cm) recessed height
- recessed height D. 231/4 (59.1 cm)
- max. recessed depth E. 27" (68.6 cm) overall width
- F. 12" (80.5 cm) from back of control panel to start of strain relief
- G. 66" (167.6 cm) flexible conduit length.

### 30 (76.2 cm) models

- A. 513/16" (130.0 cm) max. overall height
- B. 281/2" (72.4 cm) max. recessed width
- C. 481% (124.0 cm) recessed height
- D. 231/4 (59.1 cm) max. recessed depth
- E. 30 (76.2 cm) overall width
- F. 12" (30.5 cm) from back of control panel to start of strain relief
- G. 66" (167.6 cm) flexible conduit length

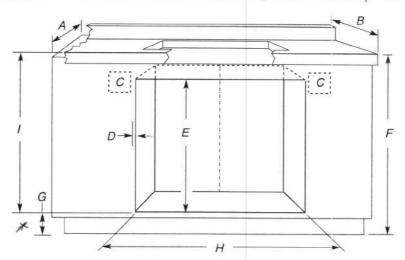


# CUTOUT DIMENSIONS FOR OVENS INSTALLED UNDER COOKTOP

**IMPORTANT:** Observe all governing codes and ordinances. Cooktop must be approved for use over an oven. See cooktop Installation Instructions for cutout dimensions. Center the cooktop cutout over oven cutout.

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 UL and CSA International and complies with the maximum allowable wood cabinet temperatures of 194°F (90°C).

# Approved Built-In Oven and Electric Radiant/Coil Cooktop Combinations



- A. 24" (61 cm) cabinet depth
- B. 25" (63.5 cm) countertop depth
- C. Recommended oven and cooktop junction box locations
- D. Allow %" (1.6 cm) for oven trim to overlap on each side.
- E. 273/4" (70.5 cm) minimum cutout height
  - F. 36" (91.4 cm) from cabinet base to countertop
- G. 4%" (11.7 cm) maximum from cabinet base
- H. See Cutout Dimensions chart.
- 1.31%" (79.7 cm) from top of countertop to bottom of cutout

### **CUTOUT DIMENSIONS**

Oven Cutout Dimension		
22½" (57.2 cm)		
25½" (64.8 cm)		
281/2" (72.4 cm)		
34½" (87.6 cm)		

For the approved model number combinations, refer to the undercounter label located on top of the oven chassis and on the bottom of the cooktop burner box.

**NOTE:** For undercounter installation, it is recommended that the junction boxes for oven and cooktop be located in the adjacent right or left cabinet. A 1" (2.5 cm) minimum diameter hole should have been drilled in the upper rear right or left corner of the side wall surface to pass the appliance cable through to the junction box.

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

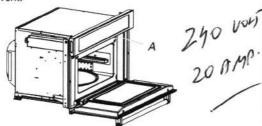
### PRODUCT MODEL NUMBERS

KMBP100E

KMBP107E

### **ELECTRICAL CONNECTION**

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

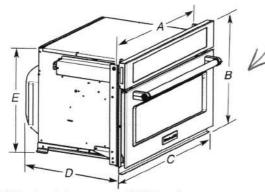


A. Model/serial/rating plate

- 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. 25% (64.5 gm) B. 18% (47.8 cm) overall height C. 26% (67.9 cm) overall width

D. 211/2" (4.6 cm) E. 173/6" (44 1 cm)

30" (76.2 cm) models

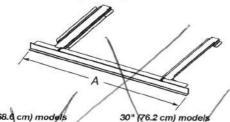
A. 281/6" (72.1 cm)

B. 18%" (47.3 cm) overall height

C. 293/4" (75.6 cm) overall width D. 211/2" (54.6 cm)

E. 17% (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

A. 29%" (75.6 cm) overall width

NOTE: The microwave oven spacer kit will allow the microwave oven to be installed in a 17%"-1734" (44.1-45.1 cm) maximum cutout height.

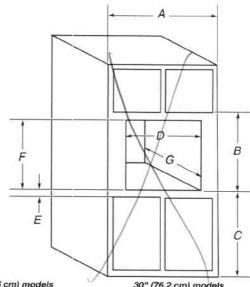
A microwave oven spacer kit is available from your dealer that will allow the microwave oven to be installed in a 19"-10" \( \) ie" (48.3-50.2 cm) maximum cutout height. Match the oven size to the following kits:

27" (68.6 cm) Stainless Steel - Model W10469901 30" (76.2 cm) Stainless Steel - Model W10469903

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
- C. 40" (101 6 cm) bottom of cutout to floor (recommended)
- D. 251/2" (64.8 cm)/cutout width
- 175%" (44.7 cm) recommended cutout F. height (will fit cutout height from 173/s" [44.1 cm] to 173/s" [45.1 cm])
- G.21%" (55.5 cm) min. cutout depth

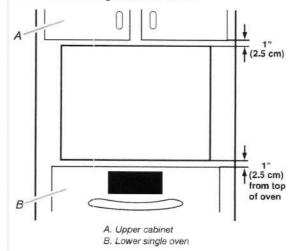
30" (76.2 cm) models

- A. 30" (76.2 cm) min. cabinet width B. 18%" (47.3 cm) from bottom of cutout b. 18%" (47.3 cm) from bottom of cutout to bottom of upper cabinet door to bottom of upper cabinet door
  - C. 40" (101.6 cm) bottom of cutout to floor (recommended)
  - D. 281/2" (72.4 dm) cutout width
- E. 1½" (3.8 cm) min. bottom of cutout to E. 1½" (3.8 cm) min. bottom of cutout to top of cabinet door top of cabinet door
  - 17%" (44.7 cm) recommended cutout height (will fit cutout height from 173/8" [44.1 cm] to 173/4" [45.1 cm])
  - G. 211/e" (55.5 cm) min. cutout depth

### MINIMUM INSTALLATION CLEARANCES

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

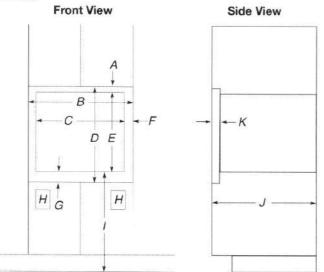
### Installation Above Single Built-In Oven



Approved models: KMBP100E and KMBP107E.

### Cabinet Dimensions - Flush Installation

A 231/4" (59.0 cm) minimum cutout depth is required. These dimensions will result in a 1/4" (6 mm) reveal on the top, a  $\frac{1}{4}$ " (6 mm) reveal on the sides, and a  $\frac{1}{6}$ " (3 mm) reveal on the bottom of the microwave oven. The front face of the cleats and platform will be visible and should be treated as a finished surface.



#### 27" (68.6 cm) Models

- A. 5/8" (16 mm) top cleat\*
- B. 271/4" (69.2 cm) mininfum width of flush inset cutout,
- C. 25%" (65.7 cm) minimum width of opening
- D. 19" (48.3 cm) minimum height of flush inset curout
- 175/8" (44 7 cm) recommended cutout height
- F. ½16" (17 mm) side cleat\*
  G. ¾1" (19 mm) bottom cleat\*
- H. Recommended junction box location
- 40" (101.6 cm) bottom of cutout to floor (recommended)
- J. 231/4" (59.0 cm) minimum depth of cutout
- K. 13/6" (3.5 cm) recess from front of cabinet

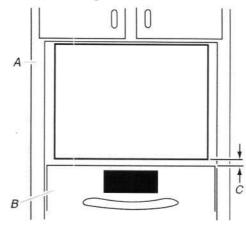
### 30" (76.2 cm) Models

- A. 5/s" (16 mm) top cleat\*
- B. 301/4" (76.8 cm) minimum width of flush inset cutout
- C. 281/s" (70.8 cm) minimum width of opening
- 19" (48.3 cm) minimum height of flush inset cutout
- 175/s" (44.7 cm) recommended cutout height
- F. 11/16" (17 mm) side cleat\*
- G. 3/4" (19 mm) bottom cleat\*
- H. Recommended junction box location
- 40" (101.6 cm) bottom of cutout to floor (recommended)
- J. 231/4" (59.0 cm) minimum depth of cutout
- K. 1%" (3.5 cm) recess from front of cabinet

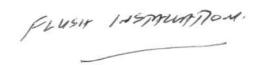
### Minimum Installation Clearances

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

### Installation Above Single Built-In Oven

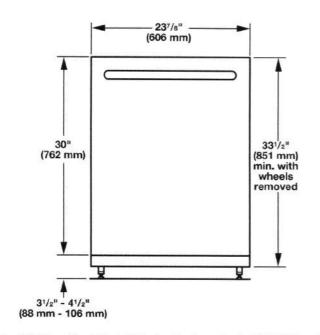


- A. Upper cabinet
- B. Lower single oven\*
- C. 1" (2.5 cm) from top of oven
- \*Approved models: KMBP107ESS, KMBP100ESS, KMBP100EBS, KMBP107EBS

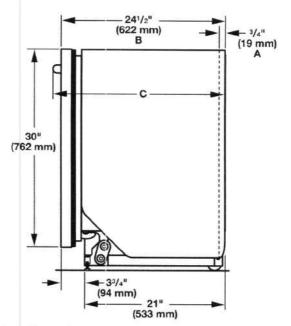


<sup>\*</sup>Cleats must be recessed 1%" (3.5 cm) from the front of the cabinet.

# **Product and Cabinet Opening Dimensions**



For 4" (100 mm) toe kick, height of cabinet opening is 341/2" (863 mm).



- A. Insulation may be compressed (not used on all models).
- B. For panel-ready models, dishwasher depth is 24" (610 mm), not including the <sup>3</sup>/<sub>4</sub>" (19 mm) custom door panel.
- C. Door handles may protrude forward of the face of the dishwasher, varies by rnodel.

