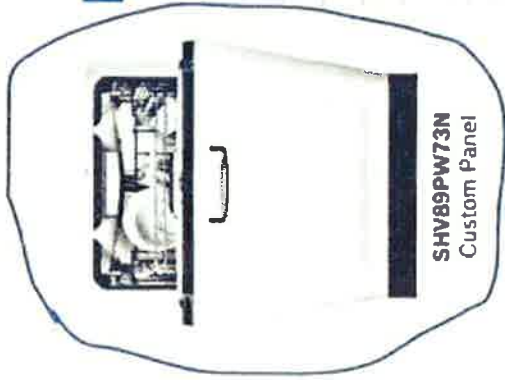


24" Custom Panel Dishwasher

Benchmark Series - Custom Panel SHV89PW73N



SHV89PW73N
Custom Panel

The flexible 3rd rack allows you to accommodate deeper items, while adjustable tines let you customize the rack's loading space.

Features & Benefits

39 dBA: Quietest dishwasher brand in North America.*

A flexible 3rd rack with folding tines adds 30% more loading area.**

A clean white light illuminates the interior when open.

Telescopic Rails provide a smooth glide for easier unloading and loading on all 3 levels.

Water Softener ensure optimally spot-free and shiny dishes.

General Properties

Number of wash cycles	7
Number of options	7
dBA	39
Third rack	Flexible Third Rack
Rack adjustability	Rackmatic®
Tub material	Stainless Steel
Control type	TFT Touch Control
Concealed heating element	Yes
Leak protection system	24/7 AquaStop® Plus

Water softener	Yes
Five-level wash	Yes
ChildLock	No
Special features	Telescopic Glides on all 3 levels, Stainless Steel ToeKick

Efficiency

Water usage per cycle	2.9
Energy efficiency class	Tier 1
ENERGY STAR® qualified	Yes
Total annual energy consumption (kWh)	269
Total annual water consumption (g)	623.5

Capacity

Number of place settings	15
--------------------------	----

Technical Details

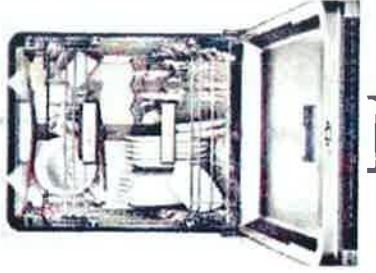
Watts (W)	1440 W
Current (A)	12 Amps
Volts (V)	120 V
Frequency (Hz)	60 Hz
Power cord length	N/A
Minimum water pressure (lb/sin)	7
Length inlet hose (in)	55"
Length outlet hose (in)	63"

Dimensions & Weight

Overall appliance dimensions (HxWxD)(in)	34 1/16" x 23 9/16" x 21 5/8"
Required cutout size (HxWxD)(in)	34 1/16 x 24" x 24"
Adjustable feet	Yes
Net weight (lbs)	118 lbs

Accessories-Optional

Drain Hose Extension Kit	SGZ1010UC
Dishwasher Softener Salt (4.4 lbs)	SGZ9091UC
Stainless Steel Straight Bosch Bar Handle	SMZ1007UC
Anti-Tarnish Silverware Cassette	SMZ5002UC
Power Cord with Cold Plug	SMZPC002UC



*Based on an average of sound ratings of 24 full-size Stainless Steel Tub dishwashers contained in major brands in the U.S. & Canada's websites. Major brands defined as: Whirlpool, Samsung, LG, GE, and Bosch. **Compared to Bosch dishwasher with two racks.

Accessories: To purchase Bosch accessories, cleaners & parts please visit www.bosch-home.com/us/store or call 1-800-944-2904 (Mon to Fri 9 am to 5 pm PST, Sat 9 am to 3 pm PST). Notes: All height, width and depth dimensions are shown in inches. BSH reserves the absolute and unrestricted right to change product materials and specifications, at any time, without notice. Consult the product's installation instructions for full dimensional data and other details prior to making cutout. Warranties: Please see Use & Care manual or Bosch website for statement of limited warranty.

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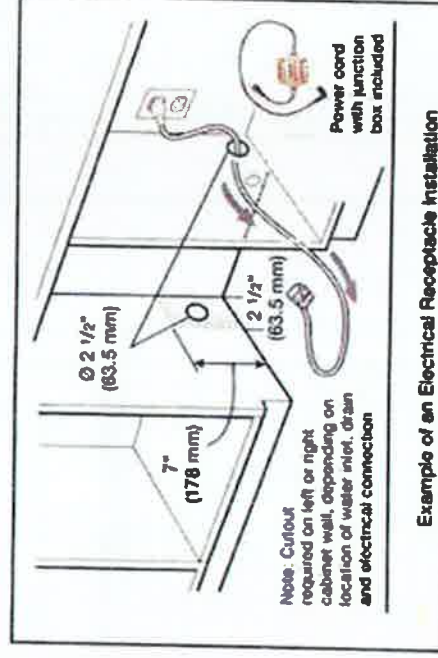
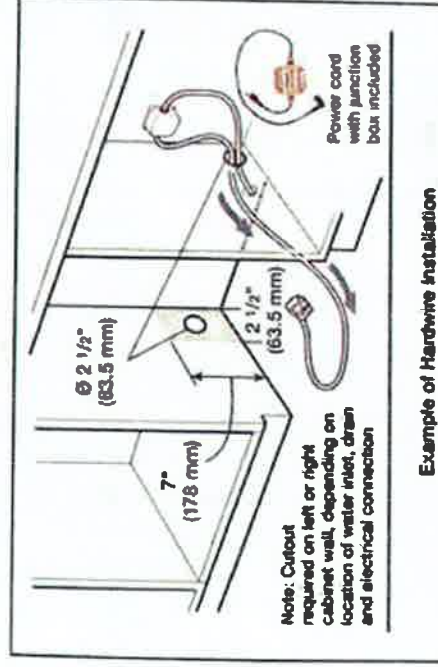
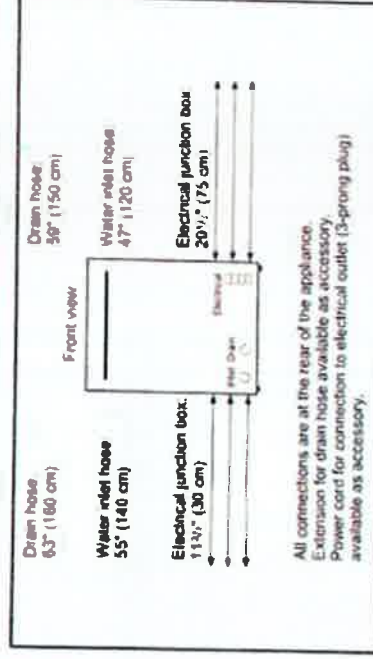
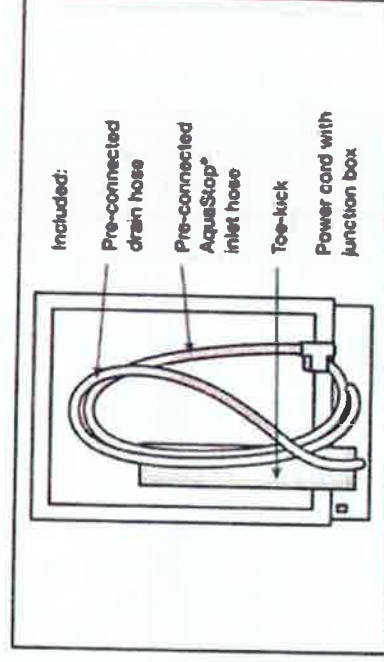
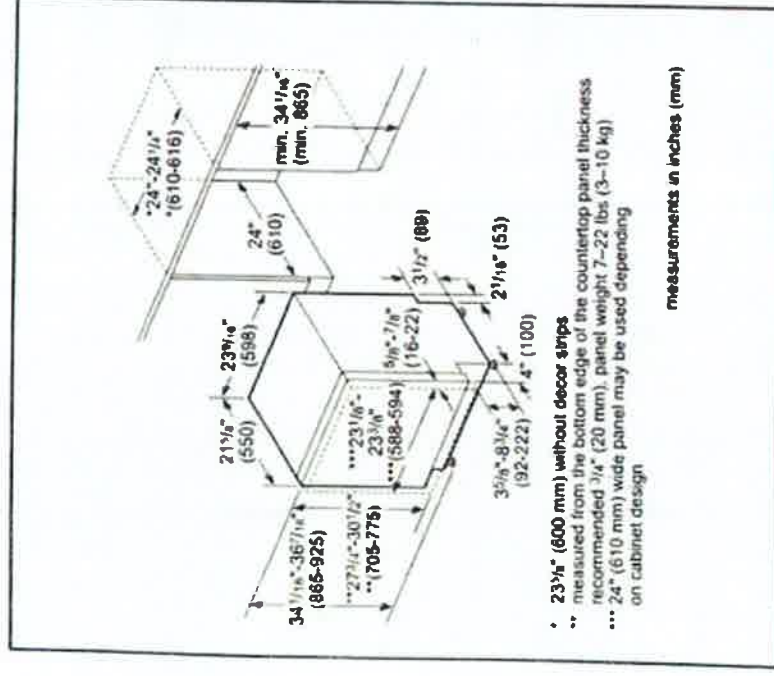
24" Custom Panel Dishwasher

Benchmark Series - Custom Panel SHV89PW73N



BOSCH
Invented for life

Installation Details



Accessories: To purchase Bosch accessories, cleaners & parts please visit www.bosch-home.com/us/store or call 1-800-944-2804 (Mon to Fri 9 am to 8 pm PST, Sat 9 am to 3 pm PST).

Notes: All height, width and depth dimensions are shown in inches. BSH reserves the absolute and unrestricted right to change product materials and specifications, at any time, without notice. Consult the product's installation instructions for final dimensional data and other details prior to making cutout.

Warranty: Please see Use & Care Manual or Bosch website for statement of limited warranty.

For more information on our entire line of products, go to www.bosch-home.com/us or call 1-800-944-2804.

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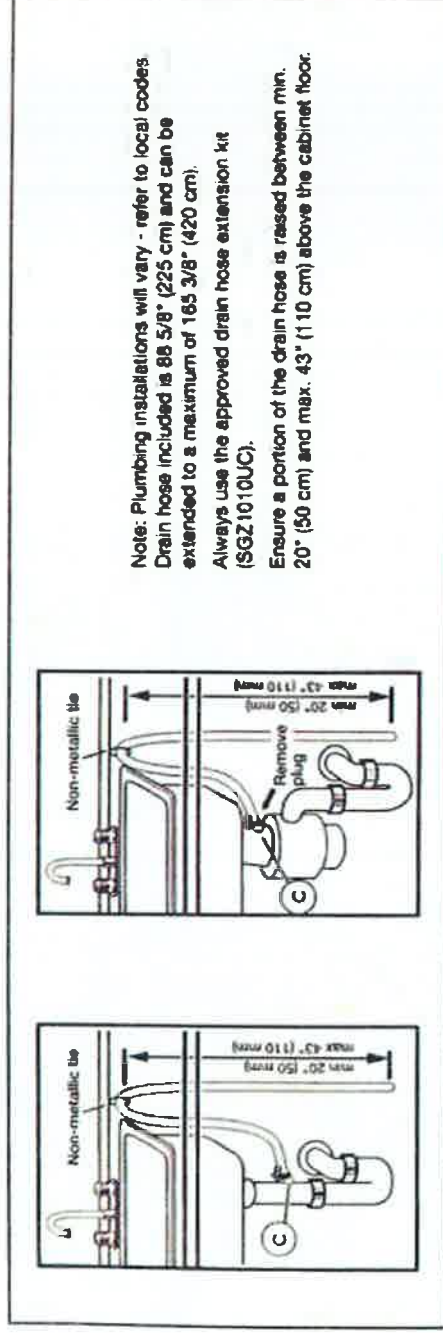
24" Custom Panel Dishwasher

Benchmark Series – Custom Panel SHV89PW73N



BOSCH
Invented for life

Installation Details

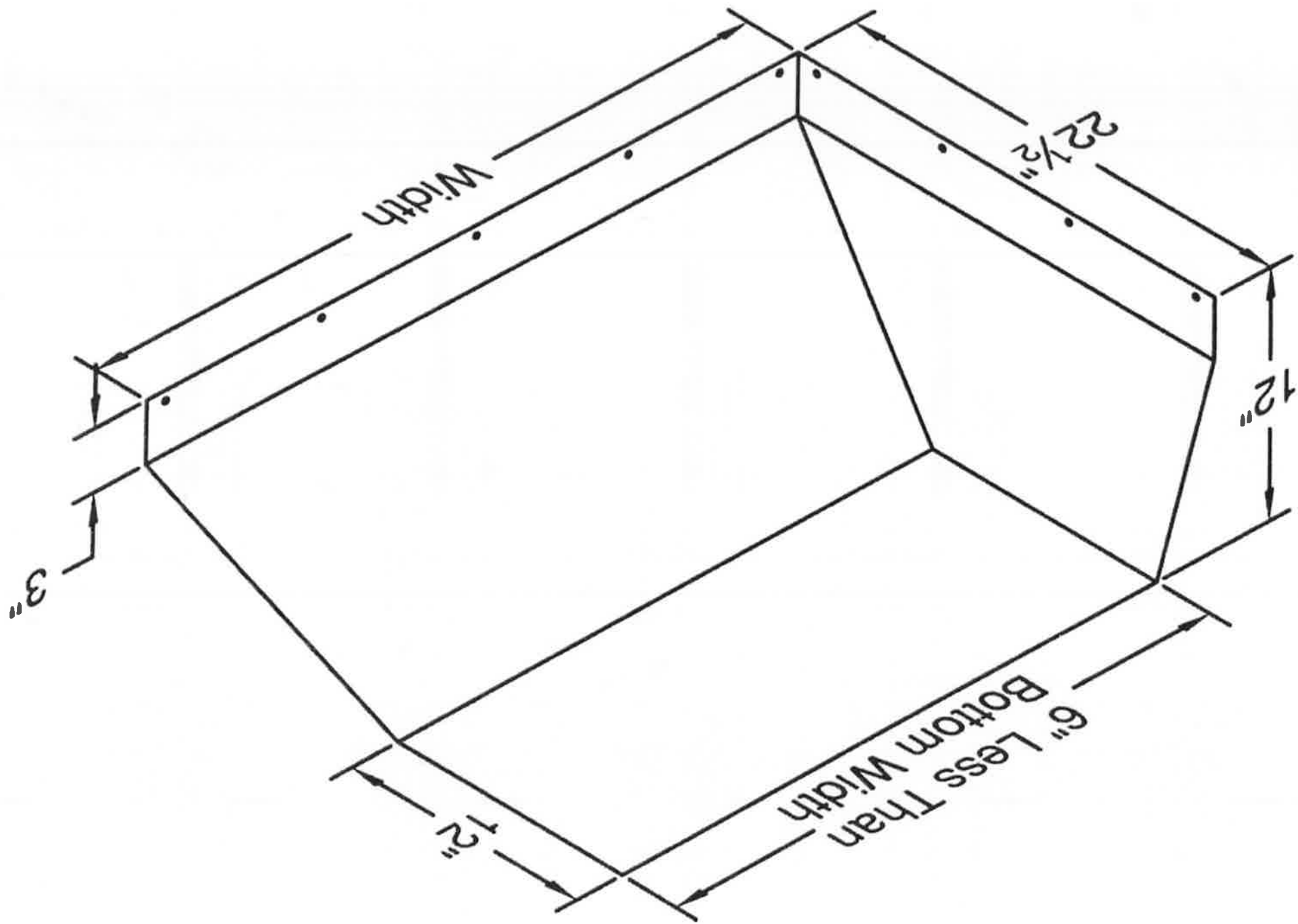


Accessories: To purchase Bosch accessories, features & details please visit www.bosch-home.com/accessories or call 1-800-944-3900. Min to 5 in 5 am to 8 pm PST. Sat 6 am to 3 pm PST.
Notes: All heights, widths and depth dimensions are shown in inches. BSH reserves the absolute and irrevocable right to change product materials and specifications, at any time, without notice. Consult the product's installation instructions for final dimensional data and other details prior to building outlay.
Warranty: Please see Use & Care manual or Bosch website for statement of limited warranty.
For more information on our entire line of products, go to www.bosch-home.com/us or call 1-800-944-3900.
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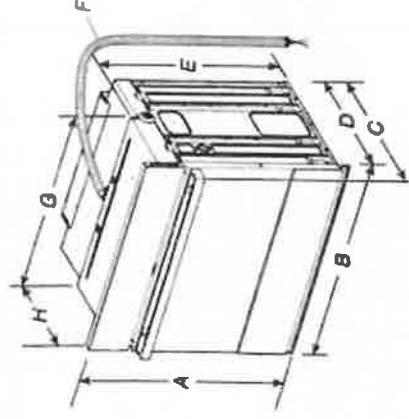
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JENNAIR® DETAILED PLANNING DIMENSIONS

1 of 2

SINGLE WALL OVENS

JW24271 - 27" x 29-7/8" x 25-5/16"
JW24301, JW34301 - 30" x 29-7/8" x 25-5/16"



PRODUCT DIMENSIONS - SINGLE OVENS

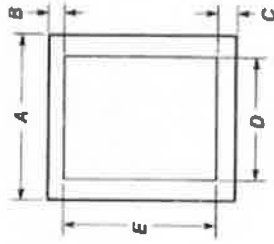
27" (68.6 CM) MODELS

- A. 29-7/8" (75.8 cm) max. overall height
- B. 27" (68.6 cm) overall width
- C. JW24271M - 26-3/8" (67 cm)
JW24271L - 27-3/16" (69 cm)
- D. 23-1/4" (59.1 cm) max. recessed depth
- E. 27-3/16" (69 cm) recessed height
- F. 48" (121.9 cm) flexible conduit length
- G. 25-7/16" (64.6 cm) max. recessed width
- H. 12" (30.5 cm) from back of control panel to start of strain relief

30" (76.2 CM) MODELS

- A. 29-7/8" (75.8 cm) max. overall height
- B. 30" (76.2 cm) overall width
- C. JW24301M - 26-3/8" (67 cm)
JW24301L - 27-3/16" (69 cm)
JW34301M - 26-3/8" (67 cm)
JW34301L - 27-3/16" (69 cm)
- D. 23-1/4" (59.1 cm) max. recessed depth
- E. 27-3/16" (69 cm)
- F. 48" (121.9 cm) flexible conduit length
- G. 28-7/16" (72.2 cm) max. recessed width
- H. 12" (30.5 cm) from back of control panel to start of strain relief

UNDERCOUNTER CABINET DIMENSIONS - SINGLE OVENS



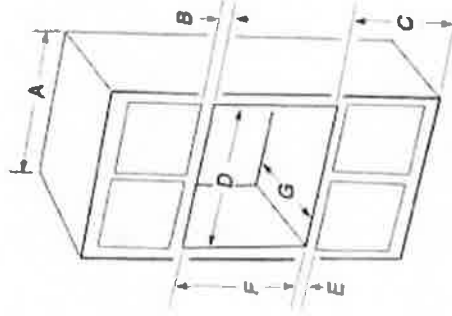
27" (68.6 CM) MODELS

- A. 27" (68.6 cm) min. cabinet width
- B. 1-1/2" (3.8 cm) min. top of cutout to underside of countertop
- C. 5-1/4" (13.3 cm) bottom of cutout to floor
- D. 25-1/2" (64.8 cm) cutout width
- E. 28" (71.2 cm) min. cutout height

30" (76.2 CM) MODELS

- A. 30" (76.2 cm) min. cabinet width
- B. 1-1/2" (3.8 cm) min. top of cutout to underside of countertop
- C. 5-1/4" (13.3 cm) bottom of cutout to floor
- D. 28-1/2" (72.4 cm) cutout width
- E. 28" (71.2 cm) min. cutout height

SINGLE OVENS INSTALLED IN CABINET



27" (68.6 CM) MODELS

- A. 27" (68.6 cm) min. cabinet width
- B. 2-3/16" (5.5 cm) top of cutout to bottom of upper cabinet door
- C. 32" (81.3 cm) bottom of cutout to floor
- D. 25-1/2" (64.8 cm) cutout width
- E. 1-1/2" (3.8 cm) min. bottom of cutout to top of cabinet door
- F. 28" (71.2 cm) recommended cutout height
- G. 24" (60.7 cm) cutout depth

*NOTE: The cutout height can be between 27-1/4" (69.2 cm) and 29-7/16" (74.8 cm) for 27" single ovens.

30" (76.2 CM) MODELS

- A. 30" (76.2 cm) min. cabinet width
- B. 2-3/16" (5.5 cm) top of cutout to bottom of upper cabinet door
- C. 32" (81.3 cm) bottom of cutout to floor
- D. 28-1/2" (72.4 cm) cutout width
- E. 1-1/2" (3.8 cm) min. bottom of cutout to top of cabinet door
- F. 28" (71.2 cm) recommended cutout height
- G. 24" (60.7 cm) cutout depth

*NOTE: The cutout height can be between 27-1/4" (69.2 cm) and 29-7/16" (74.8 cm) for 30" single ovens.

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

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JENNAIR® DETAILED PLANNING DIMENSIONS

2 of 2

SINGLE WALL OVENS

JJW24271 - 27" x 29-7/8" x 25-5/16"

JJW24301, JJW34301 - 30" x 29-7/8" x 25-5/16"

ELECTRICAL REQUIREMENTS

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, ANSINFP9A 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.

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

ELECTRICAL CONNECTION

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. The model/serial/rating plate is located under the control panel on single ovens. See the following illustration.



A. Model/Serial/Rating Plate

- Models rated from 7.3 to 9.6 kW at 240 V (5.4 to 7.4 kW at 208 V) require a separate 40 A circuit. Models rated at 4.8 kW and below at 240 V (3.6 kW and below at 208 V) require a separate 20 A 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).
- 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 the aluminum wiring using special connection 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 JJW24271, JJW24301 and JJW34301, refer to the following table.

Model	240 VAC		208 VAC	
	kW		kW	
JJW24271	4.1		3.1	
JJW24301	4.1		3.1	
JJW34301	4.5		3.4	



IMPORTANT: Dimensional specifications are provided for planning purposes only.

Do not make any cutouts based on this information. Refer to the Installation or Use & Care Guide before selecting cabinetry, verifying electrical/gas connections, making cutouts or beginning installation.

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INSTALLATION REQUIREMENTS

Tools and Parts

Gather the required tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

Tools Needed

- Phillips screwdriver
- Flat-blade screwdriver
- Measuring tape
- Level
- Drill (for wall cabinet installations)
- 1/8" (3 mm) drill bit (for wall cabinet installations)
- 1" (2.5 cm) drill bit (for wall cabinet installations)

Parts Needed

- UL listed or CSA approved conduit connector
- UL listed wire connectors

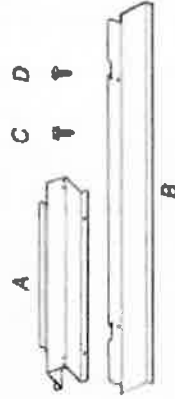
Parts Needed – Flush Installation

- W10801485 Stainless steel flush installation kit for 27" (68.6 cm) models
- W10801486 Stainless steel flush installation kit for 30" (76.2 cm) models

- W10801487 Black flush installation kit for 30" (76.2 cm) models

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

Parts Supplied



- A. Spacer bars (2)
- B. Bottom vent (1)
- C. 3/8" (9.5 mm) hex-head washer screws (4)
- D. 3/4" (1.9 cm) pan-head screws (4)

Check local codes. Check existing electrical supply. See "Electrical Requirements."

It is recommended that all electrical connections be made by a licensed, qualified electrical installer.

Location Requirements

IMPORTANT: Observe all governing codes and ordinances.

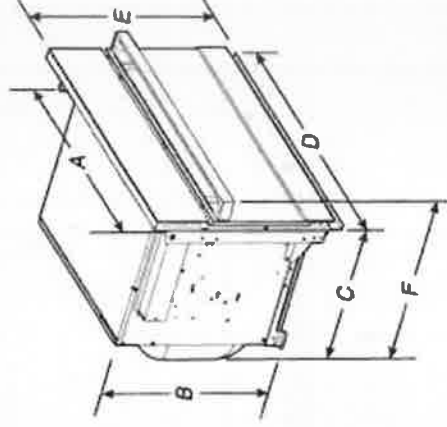
- Cabinet opening dimensions that are shown must be used. Given dimensions provide minimum clearance with microwave oven.
- Recessed installation area must provide complete enclosure around the recessed portion of the microwave oven.
- Grounded electrical supply is required. See "Electrical Requirements" section.
- Electrical supply junction box should be located 3" (7.6 cm) maximum below the support surface when the microwave oven is installed in a wall cabinet. A 1" (2.5 cm) minimum diameter hole should have been drilled in the left rear corner of the support surface to pass the appliance cable through to the junction box.

- For installation above single built-in oven, the junction box must be located inside upper cabinet.
- If you are installing the junction box on rear wall behind the microwave oven, the junction box must be recessed and located in the upper or lower right or left corner of the cabinet; otherwise, the microwave oven will not fit into the cabinet opening.
- Microwave oven support surface must be solid, level, and flush with bottom of cabinet cutout. Floor must be able to support a weight of 108 lbs (49.0 kg).

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).

Product Dimensions

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



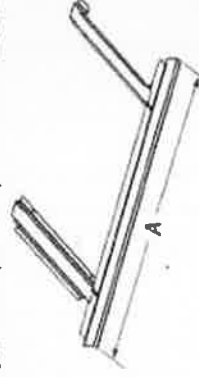
27" (68.6 cm) models

- A. 25 1/2" (64.5 cm)
- B. 17 1/8" (44.1 cm)
- C. 22 1/16" (57.7 cm)
- D. 26 1/2" (68.0 cm) overall width
- E. 19 1/2" (50.3 cm) overall height
- F. JMC2427IM: 25 1/8" (64.9 cm)
JMC2427IL: 24 1/2" (62.9 cm)

30" (76.2 cm) models

- A. 26 1/2" (72.1 cm)
- B. 17 1/8" (44.1 cm)
- C. 22 1/16" (57.7 cm)
- D. 29 1/2" (75.6 cm) overall width
- E. 19 1/2" (50.3 cm) overall height
- F. JMC2430IM: 25 1/8" (64.9 cm)
JMC2430IL: 24 1/2" (62.9 cm)

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



27" (68.6 cm) models

- A. 26 1/2" (67.9 cm) overall width

30" (76.2 cm) models

- A. 29 1/2" (75.6 cm) overall width

NOTE: The microwave oven spacer kit will allow the microwave oven to be installed in a 17 1/8" to 17 1/2" (44.1 to 45.1 cm) maximum cutout height.

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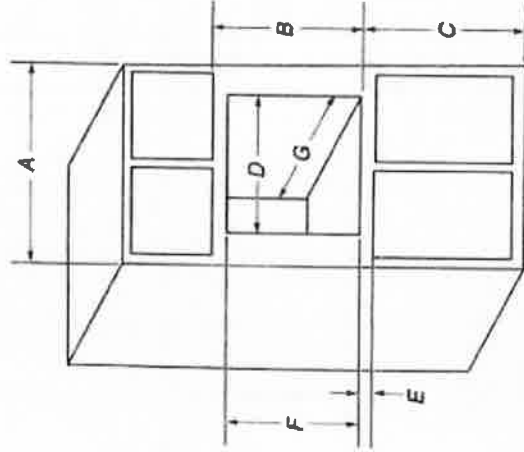
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A microwave oven spacer kit is available from your dealer that will allow the microwave oven to be installed in a 19" to 19 1/16" (48.3 to 50.2 cm) maximum cutout height. Match the oven size to the following kits:

- 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
- B. 19 1/16" (50.3 cm) from bottom of cutout to bottom of upper cabinet door
- C. 40" (101.6 cm) bottom of cutout to floor (recommended)
- D. 25 1/16" (64.8 cm) cutout width
- E. 1 1/2" (3.8 cm) min. bottom of cutout to top of cabinet door
- F. 17 1/16" (44.7 cm) recommended cutout height (will fit cutout height from 17 1/16" [44.1 cm] to 17 1/4" [45.1 cm])
- G. 21 1/16" (55.5 cm) min. cutout depth

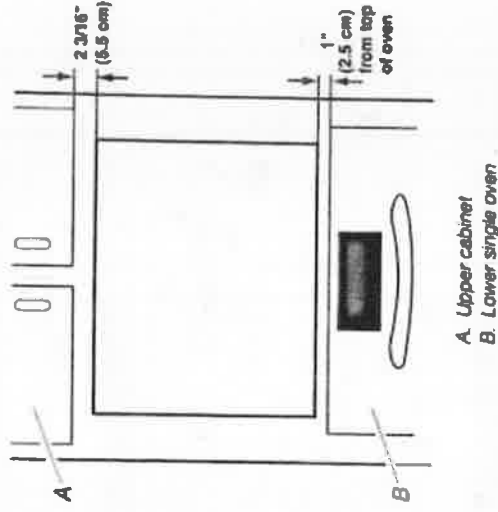
30" (76.2 cm) models

- A. 30" (76.2 cm) min. cabinet width
- B. 19 1/16" (50.3 cm) from bottom of cutout to bottom of upper cabinet door
- C. 40" (101.6 cm) bottom of cutout to floor (recommended)
- D. 28 1/16" (72.4 cm) cutout width
- E. 1 1/2" (3.8 cm) min. bottom of cutout to top of cabinet door
- F. 17 1/16" (44.7 cm) recommended cutout height (will fit cutout height from 17 1/16" [44.1 cm] to 17 1/4" [45.1 cm])
- G. 21 1/16" (55.5 cm) min. cutout depth

Minimum Installation Clearances

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

Installation Above Single Built-In Oven



- A. Upper cabinet
- B. Lower single oven

Electrical Requirements

GROUNDING INSTRUCTIONS

For a permanently connected microwave oven:

The microwave oven must be connected to a grounded, metallic, permanent wiring system, or an equipment grounding conductor should be run with the circuit conductors and connected to the equipment grounding terminal or lead on the microwave oven.

SAVE THESE INSTRUCTIONS

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 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.

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

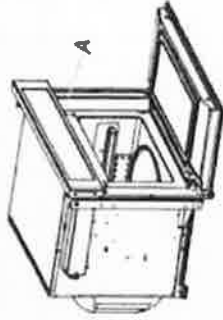
Electrical Connection

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

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



A Model/serial/rating plate

- The microwave oven rated 120/240 V, 20 A, has 4 wires (L1, L2, N, and G) in the flex conduit, and should be connected to a 20 A maximum-rated circuit, overcurrent protected on both the L1 and L2 circuits.
- A time-delay fuse or circuit breaker is recommended.
- Flexible cable from the microwave oven should be connected directly to the junction box.

- Do not cut the conduit. The length of conduit provided is for serviceability of the microwave oven.
- A UL listed or CSA approved conduit connector must be provided.
- 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.

For power requirements, refer to the following table:

Voltage	Microwave With Convection Oven
120/240 VAC	15 A
120/208 VAC	15 A

INSTALLATION INSTRUCTIONS

Spacer Kit Installation

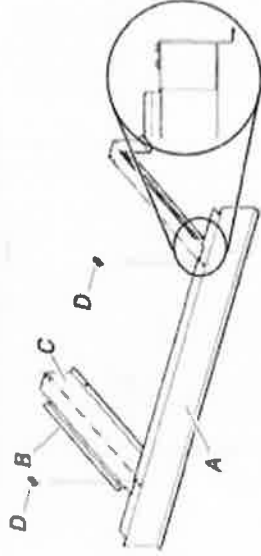
NOTES:

- The microwave oven spacer kit allows the microwave oven to be installed in an 17¹¹/₁₆" to 17⁷/₈" (44.1 cm to 45.3 cm) maximum cutout height.
- If your cabinet cutout height is more than 17¹¹/₁₆" (44.1 cm), you must install the spacer kit. Proceed to "Assemble Spacer Kit."
- If your cabinet cutout height is less than 17⁷/₈" (44.1 cm), you do not have to install the spacer kit. Proceed to "Prepare Built-In Microwave Oven."

Assemble Spacer Kit

1. Attach the bottom vent to spacer bars using four 3/8" (9.5 mm) hex-head washer screws.

NOTE: Spacer bar flanges should be facing out.

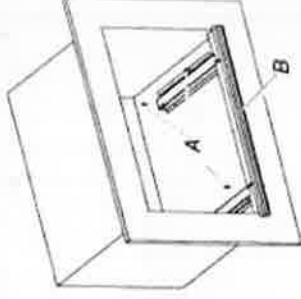


- A. Bottom vent
- B. Spacer bar flange
- C. Spacer bars
- D. 3/8" (9.5 mm) hex-head washer screws

Install Spacer Kit

1. Center assembled microwave oven spacer kit against lower front edge of the cabinet cutout.
2. Using an 1/8" (3.2 mm) drill bit, drill through the mounting holes in the spacer bars to create pilot holes.

3. Attach the assembled spacer kit to the cabinet using four 3/4" (1.9 cm) (flat-head screws. Do not overtighten screws.



- A. 3/4" (1.9 cm) flat-head screws
- B. Spacer kit assembly

Prepare Built-In Microwave Oven

1. Locate existing wiring to avoid drilling into or severing wiring during installation.

⚠ WARNING

Excessive Weight Hazard
Use two or more people to move and install microwave oven.

Failure to do so can result in back or other injury.

2. To avoid floor damage, set the microwave oven onto cardboard prior to installation. Do not use handle or any portion of the front frame for lifting.
3. Remove the shipping materials and tape from the microwave oven.
4. Remove and set aside racks and other items from inside the microwave oven.
5. Remove the hardware package from inside the bag containing literature.
6. Move the microwave oven and cardboard close to the microwave oven's final location.

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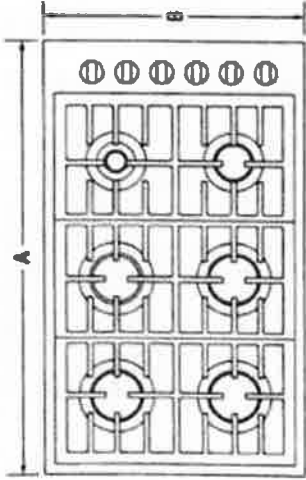
JENN-AIR® DETAILED PLANNING DIMENSIONS

1 of 3

36" GAS COOKTOP

JGC7636B - 36" x 54" x 21"

PRODUCT DIMENSIONS

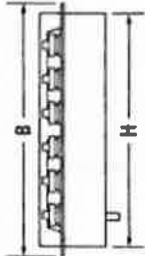


TOP VIEW

MODEL #	JGC7636B	
	in	cm
A	Overall width	36 91.4
B	Depth of cooktop	21 53.3
C	Center of cooktop to center of gas inlet	13 1/2 34.3
D	Width of recessed cooktop	35 1/4 89.5
E	Height of recessed cooktop	3 1/4 8.3
F	Height from gas inlet to countertop	5 1/4 13.3
G	Height with grates	1 1/4 3.2
H	Depth of recessed cooktop	20 1/4 51.4



FRONT VIEW



SIDE VIEW

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



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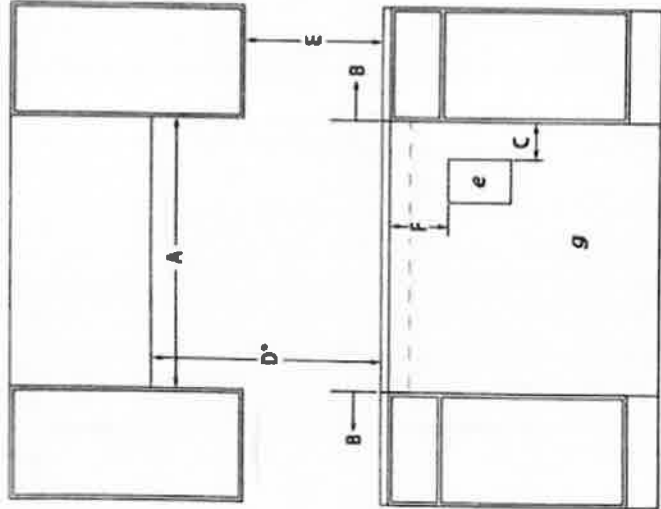
JENN-AIR® DETAILED PLANNING DIMENSIONS

2 of 3

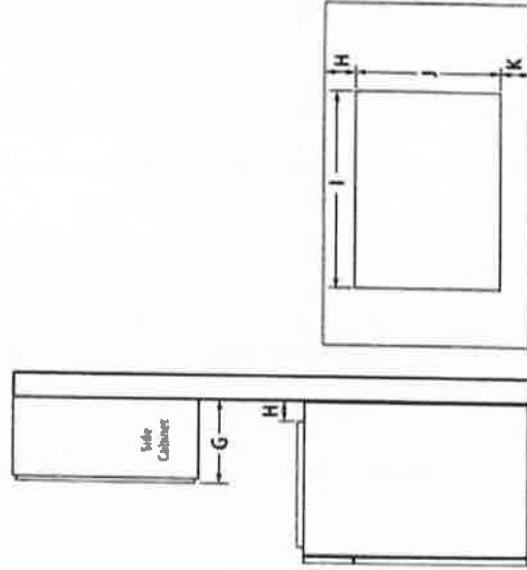
36" GAS COOKTOP

JGC7636B - 36" x 5½" x 21"

OPENING/CLEARANCE DIMENSIONS



FRONT VIEW



SIDE VIEW

TOP VIEW - CUTOUT

MODEL #	JGC7636B	
	in	cm
A	Width of combustible area above cooking surface (min.)	36 91.4
B	Width from cooktop to fixed wall or other combustible material (min.)	6 15.2
C	Width to outer edge of outlet (max.)	24 61.0
D*	Height to bottom of uncovered wood or metal cabinet above cooking surface (min.)	30 76.2
E	Height to bottom of uncovered wood or metal cabinet (min.)	18 45.7
F	Height to top edge of outlet (min.)	5½ 14.0
G	Depth of upper cabinet (recommended)	13 33.0
H	Depth from cutout to wall (min.)	2¾ 5.9
I	Width of cutout	35¾ 89.9
J	Depth of cutout	20¾ 51.8
K	Depth from cutout to front of countertop	2¾ 5.9
L	Recommended electrical access location	
M	Recommended gas supply line location	

*Dimension can be reduced by 6" (15.2 cm) when 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 metal, 0.015" (0.4 mm) stainless steel, 0.024" (0.6 mm) aluminum or 0.020" (0.5 mm) copper. If installing a hood or microwave hood combination above the cooktop, follow the hood or microwave hood combination instructions for dimensional clearances above the cooking surface.

GAS REQUIREMENTS

Natural Gas

This cooktop is factory-set for use with natural gas.

LP Gas Conversion

Conversion must be done by a qualified service technician. To convert to LP gas, use an LP gas conversion kit.

ELECTRICAL REQUIREMENTS

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

A time-delay fuse or dedicated circuit is recommended.

LOCATION REQUIREMENTS

- To ensure cooktop base clearance, cabinet side walls need to be wider than the cutout.
- If cabinet has a drawer, allow a 4" (10.2 cm) minimum clearance between countertop and top of drawer. Drawer depth may need to be shortened to avoid interfering with the regulator.

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JENN-AIR® DETAILED PLANNING DIMENSIONS

SINGLE WALL OVEN AND COOKTOP COMBINATIONS

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

APPROVED MODEL NUMBER COMBINATIONS

SINGLE WALL OVENS

30-inch: JIW3430D, JIW2430D
27-inch: JIW2427D

INDUCTION COOKTOPS

36-inch: JIC4536X
30-inch: JIC4430X

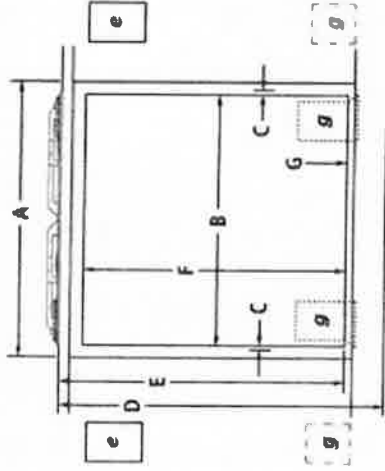
GAS COOKTOPS

36-inch: JGC7636B, JGC1536B
30-inch: JGC7530B, JGC1530B

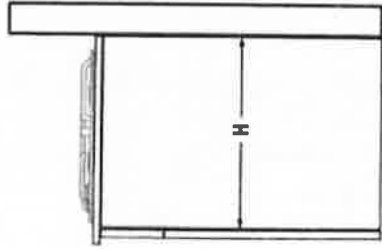
ELECTRIC COOKTOPS

36-inch: JEC4536B, JEC3536B
30-inch: JEC4430B, JEC3430B

OPENING/CLEARANCE DIMENSIONS



FRONT VIEW -
UNDER COUNTER INSTALLATION
(with cooktop installed above)



SIDE VIEW -
UNDER COUNTER INSTALLATION
(with cooktop installed above)

MODEL #	JIW3430D JIW2430D		JIW2427D	
	in	cm	in	cm
A Width of cabinet (min.)	30	76.2	27	68.6
B Width of cutout (recommended)	28 1/2	72.4	25 1/2	64.8
C Oven trim overlap	1 1/2	1.6	1 1/2	1.6
D Top of countertop to floor	36	91.4	36	91.4
E Top of countertop to bottom of cutout				
F Induction cooktop combination	31 1/4	79.7	31 1/4	79.7
	31 1/4	79.7	31 1/4	79.7
	31 1/4	79.7	31 1/4	79.7
F Height of cutout (recommended)	27 1/4	70.5	27 1/4	70.5
G Bottom of cutout to floor Induction cooktop combination	4 1/4	11.7	4 1/4	11.7
	4 1/4	11.7	4 1/4	11.7
	4 1/4	11.7	4 1/4	11.7
H Depth of cabinet (min.)	24	61.0	24	61.0
E Recommended junction box location				
G Recommended gas supply line location for gas cooktop				

NOTE: For under counter installation, the junction box should be located in the adjacent right or left cabinet. Drill a 1" (2.5 cm) minimum diameter hole in an upper corner of the side wall for access to the junction box.

CABINET REQUIREMENTS

NOTE: When using under counter installation, check cabinet manufacturer's specifications to verify fit.

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48" FULLY INTEGRATED SIDE-BY-SIDE REFRIGERATORS

DETAILED PLANNING DIMENSIONS GUIDE

(BASE UNIT REQUIRES SUITE-COORDINATING FULL HEIGHT PANEL KIT OR CUSTOM PANELS AND HANDLES)

JS48NXFXDE - 47 1/4" (W) x 83 1/4" (H) x 24" (depth without door panels/handles)

BASE UNIT + FULL HEIGHT PANEL KIT = FINISHED REFRIGERATOR

Easily transform these overlay refrigerators into one of our signature kitchen suite designs with one of our suite coordinating stainless steel panel kits. To do so, you must order one of the overlay base units (left column) and one of the suite-coordinating panel kits. The kits include refrigerator and freezer door panels, air grille and pre-installed handles.

Base Unit Model Number	Coordinating Stainless Full Height Panel Kits	
	RISE™ Stainless	NOIR™ Stainless
Side-by-Side JS48NXFXDE	 JBSFS48NHL	 JBSFS48NHM

OPTIONAL ACCESSORIES FOR CUSTOM OVERLAY DESIGNS



ARMOIRE STYLE DOOR PANEL KIT

W 10663565 - 48" - Obsidian Interior

- For use with fully integrated and flush refrigerators
- Enables installation and proper venting of full height custom door panels (not included) that hide the top panel
- Includes left and right grille brackets and machine compartment cover

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

W 11358555D

RISE™ STAINLESS HANDLE KIT

W 11231243 - 48" Side-by-Side

- For use with Custom Overlay fully integrated built-in refrigerators

NOIR™ STAINLESS HANDLE KIT

W 11194770 - 48" Side-by-Side

- For use with Custom Overlay fully integrated built-in refrigerators

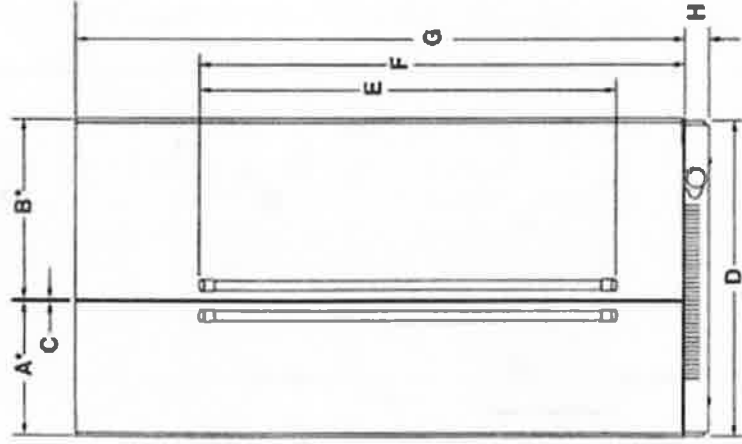
Dimensions are for planning purposes only. For complete details, see Installation Instructions packed with product. Specifications subject to change without notice.

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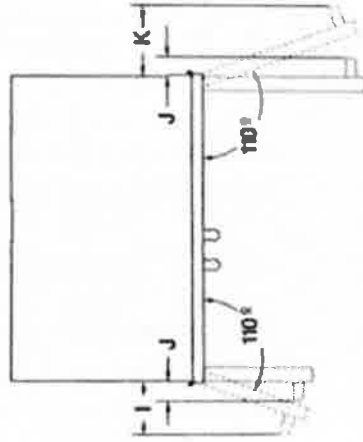


48" FULLY INTEGRATED SIDE-BY-SIDE REFRIGERATORS JENNAIR® DETAILED PLANNING DIMENSIONS GUIDE (BASE UNIT REQUIRES SUITE-COORDINATING FULL HEIGHT PANEL KIT OR CUSTOM PANELS AND HANDLES) JS48NXFXOE - 47 7/8" (W) x 83 1/2" (H) x 24" (depth without door panel handles)

PRODUCT DIMENSIONS INCLUDING STAINLESS STEEL DOOR PANEL KIT DIMENSIONS



FRONT VIEW



TOP VIEW

DIMENSION	DESCRIPTION	JS48NXFXOE
A*	Width of freezer door	20" / " (516 cm)
B*	Width of refrigerator door	27" / " (694 cm)
C	Space between doors	18" (45.3 cm)
D	Overall width (including vinyl side trim)	47" / " (1213 cm)
E	Height of door handle	
	RISE™ Stainless	50" (1273 cm)
	NOIR™ Stainless	40" / " (1032 cm)
F	Height to top of door handle	
	RISE™ Stainless	71" / " (1821 cm)
	NOIR™ Stainless	69" / " (1773 cm)
G	Height of door	81" (2057 cm)
H	Height of bottom grille	3" (76 cm)
I	Width from side of refrigerator to freezer door handle - door fully open 110°	
	RISE™ Stainless	69" / " (1773 cm)
	NOIR™ Stainless	71" / " (1821 cm)
J	Width from side of refrigerator to handle - door open 90°	
	RISE™ Stainless	27" / " (694 cm)
	NOIR™ Stainless	18" / " (453 cm)
K	Width from side of refrigerator to refrigerator door handle - door fully open 110°	
	RISE™ Stainless	70" / " (1778 cm)
	NOIR™ Stainless	70" / " (1778 cm)

*Door width dimensions are for stainless steel panel kit only.

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

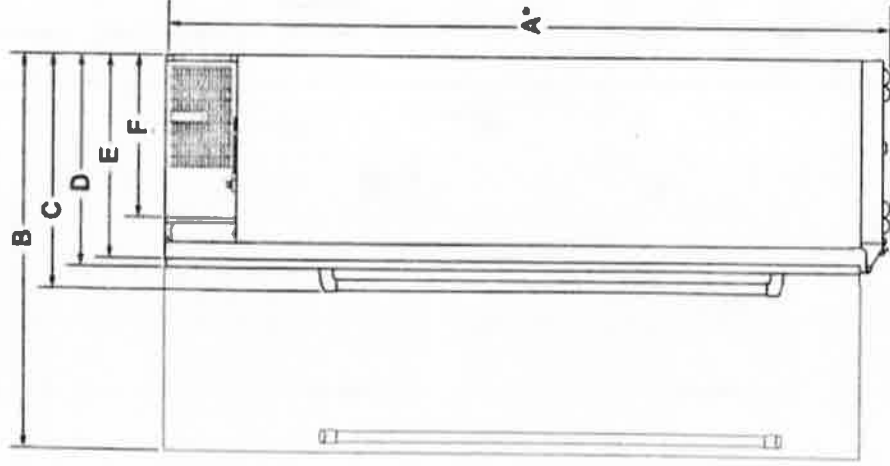
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**48" FULLY INTEGRATED
SIDE-BY-SIDE REFRIGERATORS
JENNAIR®**
DETAILED PLANNING DIMENSIONS GUIDE
(BASE UNIT REQUIRES SUITE-COORDINATING FULL HEIGHT PANEL KIT OR CUSTOM
PANELS AND HANDLES)
JS48NXFXDE - 47 3/4" (W) x 83 1/2" (H) x 24" (depth without door panels/handles)



SIDE VIEW

DIMENSION	DESCRIPTION	JS48NXFXDE
A*	Height of recessed refrigerator (min.)	83 1/2" (211.1 cm)
B	Depth with refrigerator door open 90° (min.)	50 1/2" (128.9 cm)
C	Depth with handles (min.)	
	RISE™ Stainless	27 1/2" (70.2 cm)
D	NOIR™ Stainless	26 1/2" (68.2 cm)
	Depth with doors (min.)	
	RISE™ Stainless	24 1/2" (62.8 cm)
	NOIR™ Stainless	24 1/2" (62.8 cm)
	Custom panel (34" x 19 cm)	24 1/2" (62.8 cm)
E	Depth without door panel kit (min.)	24" (61 cm)
F	Depth of compressor cover (min.)	19 1/2" (50.5 cm)

*Add 1 1/2" (3.2 cm) to the height dimension when leveling legs are fully extended.

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

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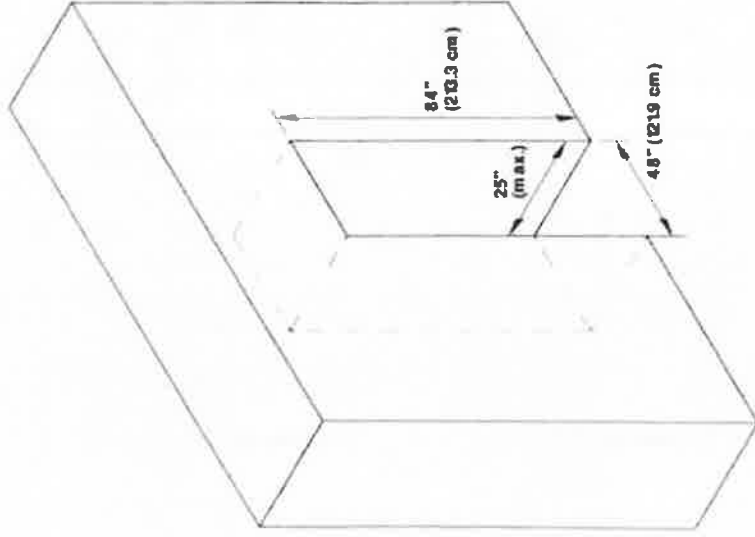
48" FULLY INTEGRATED SIDE-BY-SIDE REFRIGERATORS JENNAIR® DETAILED PLANNING DIMENSIONS GUIDE

(BASE UNIT REQUIRES SUITE-COORDINATING FULL HEIGHT PANEL KIT OR CUSTOM PANELS AND HANDLES)
JS48NFXDE - 47 1/4" (W) x 83 1/4" (H) x 24" (depth without door panels/handles)

AIRFLOW VENTING RECOMMENDATIONS

CLOSED SOFFIT CABINET

- Depth of cabinet must be less than 25" (63.5 cm).
- Height of soffit must not exceed 84" (213.3 cm).
- Following illustrations explain the cabinet construction (soffit and rear wall positions) required for optimum ventilation and airflow.



Top View



Front View

Grey arrow = ambient air; Black arrow = warm air
Cabinet depth 25" and soffit located at 84".
Cabinet depth more than 25" and/or soffit located at more than 84" causes air gap at back and/or top of the refrigerator. Air gap allows warm air recirculation causing loss in cooling efficiency.

- If your opening does not meet these requirements, you will need to make modifications.

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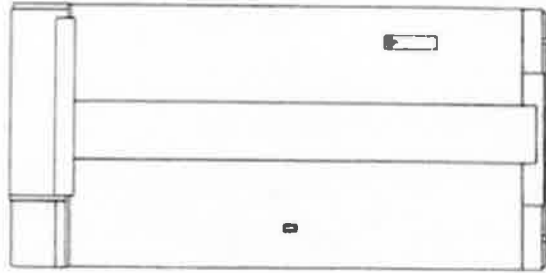
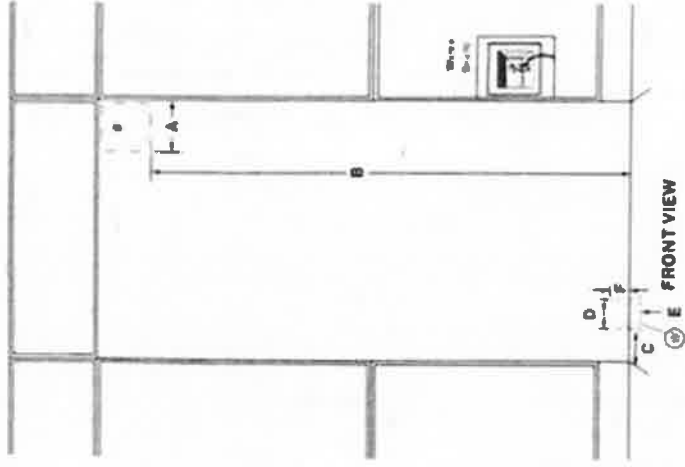
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48" FULLY INTEGRATED SIDE-BY-SIDE REFRIGERATORS JENNAIR® DETAILED PLANNING DIMENSIONS GUIDE

(BASE UNIT REQUIRES SUITE-COORDINATING FULL HEIGHT PANEL KIT OR CUSTOM PANELS AND HANDLES)
JS48NXFXDE - 47 1/4" (W) x 83 1/2" (H) x 24" (depth without door panels/handles)

CLEARANCE DIMENSIONS



DIMENSION	DESCRIPTION	JS48NXFXDE
A	Width of recommended electrical location	7 1/2" (19.1cm)
B	Height to recommended electrical location	77" (195.6cm)
C	Distance from side of cabinet to recommended water connection location	6 1/2" (16.5cm)
D	Width of recommended water connection location	1 1/2" (3.81cm)
E	Depth of recommended water connection location (main)	2" (5.1cm)
F	Height of recommended water connection location (behind the unit)	2 1/2" (6.35cm)
G	Recommended electrical connection location	
	Recommended water connection location	

*A minimum 2" (5.1cm) furniture return must extend behind the face of the cabinet on all sides.

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ELECTRICAL REQUIREMENTS

WARNING



Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

Failure to follow these instructions can result in death, fire, or electrical shock.

115 V, 60 Hz, AC only, 15 A or 20 A fused, grounded circuit is required. A dedicated circuit is recommended. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

WATER PRESSURE REQUIREMENTS

A cold water supply with water pressure between 30 psi and 120 psi (207 kPa and 827 kPa) is required to operate the ice maker. Call a licensed, qualified plumber with any questions about the water pressure.

Reverse Osmosis Water Supply

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

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

LOCATION REQUIREMENTS

WARNING



Explosion Hazard

Keep flammable materials and vapors, such as gasoline, away from refrigerator.

Failure to do so can result in death, explosion, or fire.

Floor must be able to support refrigerator (more than 600 lb [272 kg]), door panels and contents of the refrigerator and must be at the same level as flooring in the room.

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