



PROJECT PARTNER:

SHIP TO:
AHMAD, RAZI

~~1069 FARMSTEAD DRIVE~~
~~MILTON, ON XX~~

Oakville Lot 109

REMINDER:

To ensure a smooth project it is the responsibility of the homeowner / purchaser of appliances to share all the attached specifications with their cabinet provider, contractor, or any other tradesperson so they have the information required to complete their work accurately. Product specifications are for planning purposes only and are subject to change without notice. Refer to installation instructions shipped with the product before cutting cabinets, counters, panels, etc.

Tasco Appliances assumes no liability for product specifications.

RECEIVED

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AHMAD, RAZI1069 FARMSTEAD DRIVE
MILTON, ON XX**Tasco Appliances**

tascoappliance.ca

BOBBY NANDWANI

4163009545

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Note about page numbers:

Because the original manufacturer's documents are not altered in any way, the page numbers displayed on the page may not correspond to the page number within this package.

All specifications are intended for initial planning purposes only.

Manufacturers reserve the right to change specifications at any time without notice. Always consult the installation instructions found on the manufacturer's website or included with the appliances before installation.

Samsung Dryer

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48" FULLY INTEGRATED BUILT-IN SIDE-BY-SIDE REFRIGERATOR

Signature Features

OBSIDIAN INTERIOR

Showcases food items throughout the refrigerator, and provides a sharper contrast than white interiors. Includes coordinating crisper drawers and freezer.

FULLY INTEGRATED AND FLUSH DESIGN WITH ARTICULATING HINGE

Blends into custom cabinetry with a truly seamless appearance that ensures the opened door remains within the plane of surrounding cabinetry.

PRECISION TEMPERATURE MANAGEMENT™ SYSTEM

A sensor-controlled system that uses a variable-speed compressor with an independent sensor in each compartment to monitor and adjust temperatures.

Feature Listing

PERFORMANCE FEATURES

Precision Temperature Management™ System

Capacitive Touch Controls with LED Display
Pulsed Defrost
Quiet Operation
Sabbath Mode
Star-K Certified

CONTROL FEATURES

Max Cold Option
Over Temp Alarm
Door Open Alarm
Water Filter with Replace Filter Indicator

REFRIGERATOR FEATURES

Produce Preserver

Advanced Climate Control Drawer
Soft, Auto-Close Crisper Drawers
Gallon Door Storage Bin
Adjustable Elegance Shelving
Adjustable Door Bins with Metal Accents

FREEZER FEATURES

Automatic Ice Maker with Storage Bin
Adjustable Door Bins with Metal Accents

DESIGN FEATURES

Obsidian Interior

Fully Integrated and Flush Design with Articulating Hinge

Multi-Point LED Theater Lighting

Removable Base-Grille Water Filter
90°/110° Door Stop Position

Four-Point Front Leveling

OPTIONAL ACCESSORIES

48" Built-In Side By Side Panel RISE - JS48NXFXDE - JBSFS48NHL
Full Height Panel Kit (Euro-Style Stainless) - JBSFS48NHS
Full Height Panel Kit (Pro-Style® Stainless) - JBSFS48NHP
Pro-Style® Stainless Handle Kit - W10250643
Euro-Style Stainless Steel Handle Kit - W10250640
48" Armoire-Style Door Panel Kit - W10663565
Handle Kit-JA,RISE,BIR,SxS (Qty=2 handles) - W11231243
Handle Kit-JA,NOIR,BIR,SxS (Qty=2 handles) - W11194770
EveryDrop® Filter by Whirlpool Water (Replacement Filter Cartridge) - EDR3RXD1
Produce Preserver Keep Fresh Packet Refill - P1KC6R1
Affresh™ Stainless Steel Cleaner, 16 oz. - W10355016
48" Built-In Side By Side Panel NOIR - JS48NXFXDE - JBSFS48NHL

Specifications

Shipping Weight (lbs) 649
Volts 115
Amps 15-20
Total Capacity (Cu. Ft. AHAM) 29.2
Refrigerator Capacity (Cu. Ft. AHAM) 18.7
Freezer Capacity (Cu. Ft. AHAM) 10.5

Dimensions

JS48NXFXDE



Style Options

RISE™

JS48NXFXDE with JBSFS48NHL Kit

EURO-STYLE

JS48NXFXDE with JBSFS48NHS Kit

BASE UNIT

JS48NXFXDE

PRO-STYLE®

JS48NXFXDE with JBSFS48NHP Kit

NOIR™

JS48NXFXDE with JBSFS48NHL Kit

Overall Dimensions 47(3/4)" x 83(1/8)" x 24"

Opening / Clearance Dimensions (Standard
Flush Installation) 48" x 84" x 25"

Opening / Clearance Dimensions (Retrofit
Installation) 48" x 84" x 24"

Do not make any cutouts based on this information



Bold = Top Features

JENNAIR®



48" FULLY INTEGRATED SIDE-BY-SIDE REFRIGERATOR

DETAILED PLANNING DIMENSIONS GUIDE

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

JS48NFXDE - 47³/₄" (W) x 83¹/₈" (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 JS48NFXDE	JBSFS48NHL		JBSFS48NHM	

OPTIONAL ACCESSORIES FOR CUSTOM OVERLAY DESIGNS



ARMOIRE-STYLE DOOR PANEL KIT

W10663565 - 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



RISE™ STAINLESS HANDLE KIT

W11231243 - 48" Side-by-Side

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



NOIR™ STAINLESS HANDLE KIT

W11194770 - 48" Side-by-Side

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

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

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



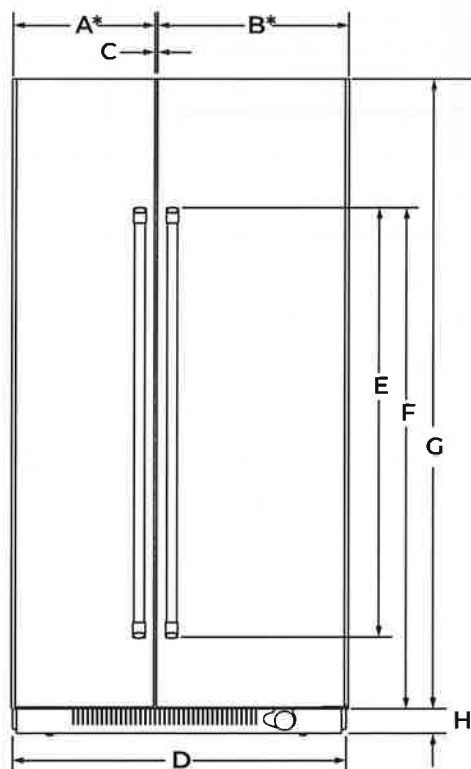
48" FULLY INTEGRATED SIDE-BY-SIDE REFRIGERATOR

DETAILED PLANNING DIMENSIONS GUIDE

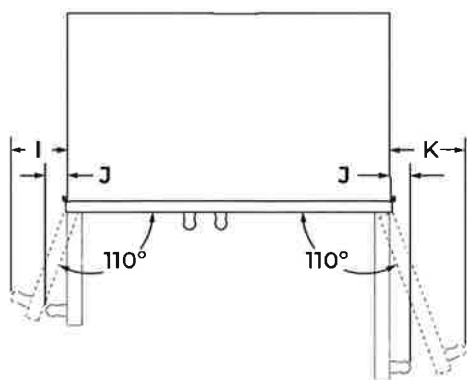
(BASE UNIT REQUIRES SUITE-COORDINATING FULL HEIGHT PANEL KIT OR CUSTOM PANELS AND HANDLES)

JS48NFXDE – 47 $\frac{3}{4}$ " (W) x 83 $\frac{3}{8}$ " (H) x 24" (depth without door panels/handles)

PRODUCT DIMENSIONS (INCLUDING STAINLESS STEEL DOOR PANEL KIT DIMENSIONS)



FRONT VIEW



TOP VIEW

DIMENSION	DESCRIPTION	JS48NFXDE
A*	Width of freezer door	20 $\frac{5}{16}$ " (51.6 cm)
B*	Width of refrigerator door	27 $\frac{5}{16}$ " (69.4 cm)
C	Space between doors	1/8" (0.3 cm)
D	Overall width (including vinyl side trim)	47 $\frac{3}{4}$ " (121.3 cm)
E	Height of door handle	
	RISE™ Stainless	58" (147.3 cm)
	NOIR™ Stainless	40 $\frac{5}{8}$ " (103.2 cm)
F	Height to top of door handle	
	RISE™ Stainless	71 $\frac{1}{16}$ " (182.1 cm)
	NOIR™ Stainless	69 $\frac{3}{16}$ " (177.3 cm)
G	Height of door	81" (205.7 cm)
H	Height of bottom grille	3" (7.6 cm)
I	Width from side of refrigerator to freezer door handle - door fully open 110°	
	RISE™ Stainless	8 $\frac{5}{8}$ " (20.7 cm)
	NOIR™ Stainless	7 $\frac{5}{8}$ " (19.3 cm)
J	Width from side of refrigerator to handle - door open 90°	
	RISE™ Stainless	2 $\frac{3}{8}$ " (6.1 cm)
	NOIR™ Stainless	1 $\frac{5}{8}$ " (4.1 cm)
K	Width from side of refrigerator to refrigerator door handle - door fully open 110°	
	RISE™ Stainless	10 $\frac{9}{16}$ " (26.8 cm)
	NOIR™ Stainless	10 $\frac{1}{16}$ " (25.5 cm)

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

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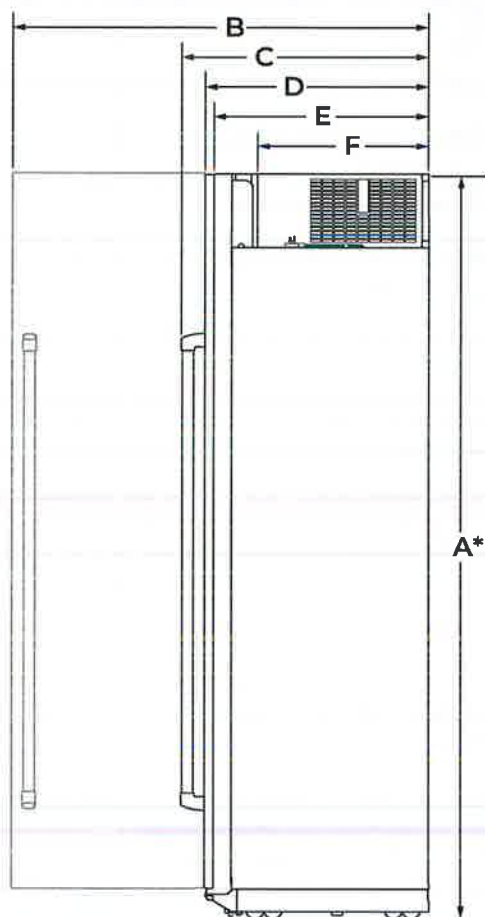
48" FULLY INTEGRATED SIDE-BY-SIDE REFRIGERATOR

JENNAIR

DETAILED PLANNING DIMENSIONS GUIDE

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

JS48NFXDE – 47 $\frac{3}{4}$ " (W) x 83 $\frac{1}{8}$ " (H) x 24" (depth without door panels/handles)



SIDE VIEW

DIMENSION	DESCRIPTION	JS48NFXDE
A*	Height of recessed refrigerator (min.)	83 $\frac{1}{8}$ " (211.1 cm)
B	Depth with refrigerator door open 90° (min.)	50 $\frac{3}{4}$ " (128.8 cm)
Depth with handles (min.)		
C	RISE™ Stainless	27 $\frac{11}{16}$ " (70.2 cm)
	NOIR™ Stainless	26 $\frac{7}{8}$ " (68.2 cm)
Depth with doors (min.)		
D	RISE™ Stainless	24 $\frac{3}{4}$ " (62.8 cm)
	NOIR™ Stainless	24 $\frac{3}{4}$ " (62.8 cm)
	Custom panel (3/4"/1.9 cm)	24 $\frac{3}{4}$ " (62.8 cm)
E	Depth without door panel kit (min.)	24" (61 cm)
F	Depth of compressor cover (min.)	19 $\frac{7}{8}$ " (50.5 cm)

*Add 1 $\frac{1}{4}$ " (3.2 cm) to the height dimension when leveling legs are fully extended.

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48" FULLY INTEGRATED SIDE-BY-SIDE REFRIGERATOR

DETAILED PLANNING DIMENSIONS GUIDE

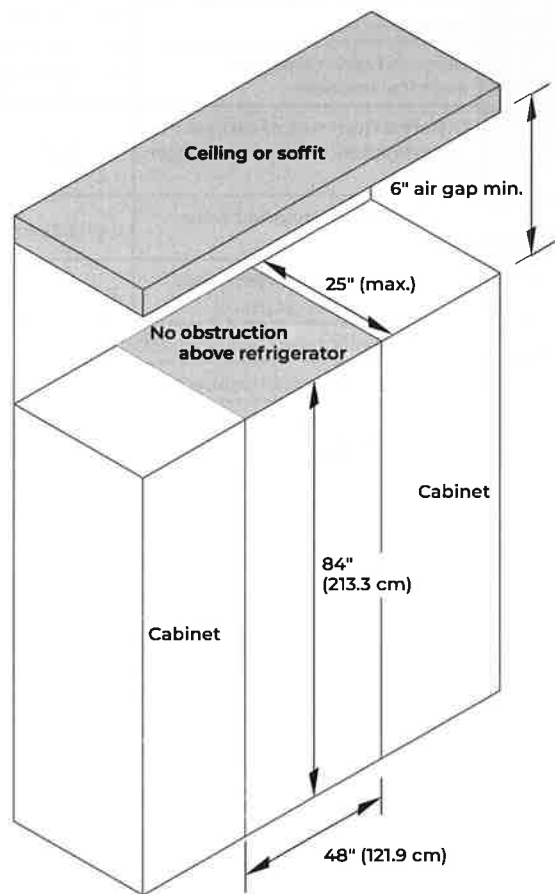
(BASE UNIT REQUIRES SUITE-COORDINATING FULL HEIGHT PANEL KIT OR CUSTOM PANELS AND HANDLES)

JS48NXFXDE - 47 $\frac{3}{4}$ " (W) x 83 $\frac{1}{8}$ " (H) x 24" (depth without door panels/handles)

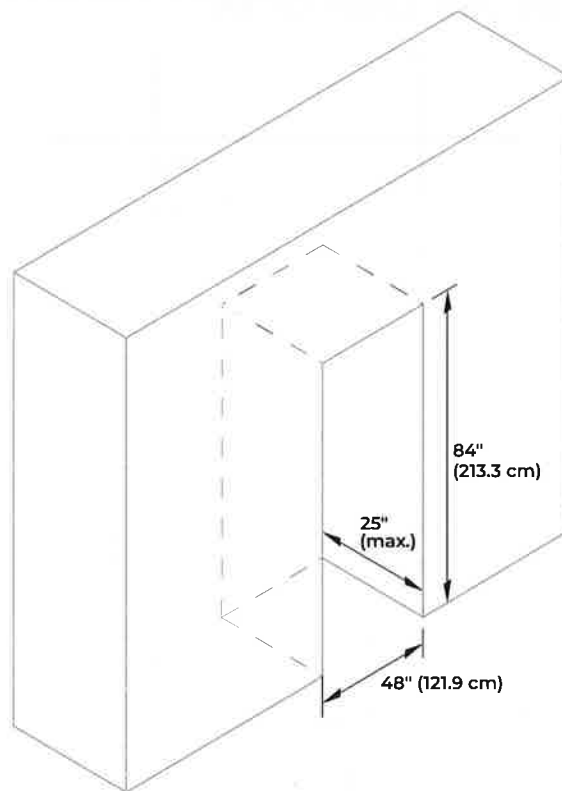
AIRFLOW VENTING RECOMMENDATIONS

CLOSED SOFFIT CABINET

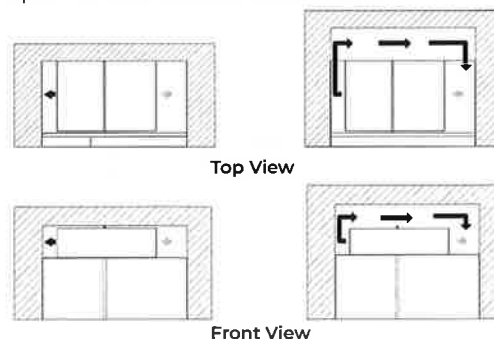
OPEN TO CEILING OR SOFFIT CABINET



- These type of installations require a minimum of 6" (15.24 cm) of open space above the refrigerator. This space must not be blocked in any way, including soffits.
- Depth of cabinet must be less than 25" (63.5 cm).
- If your opening does not meet these requirements, you will need to make modifications.



- 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.



Grey arrow = ambient air; Black arrow = warm air
Cabinet depth 25" and soffit located at 84", provides proper airflow/ventilation to the refrigerator. Efficient cooling is achieved.
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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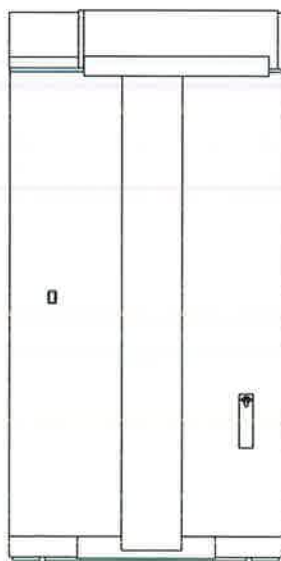
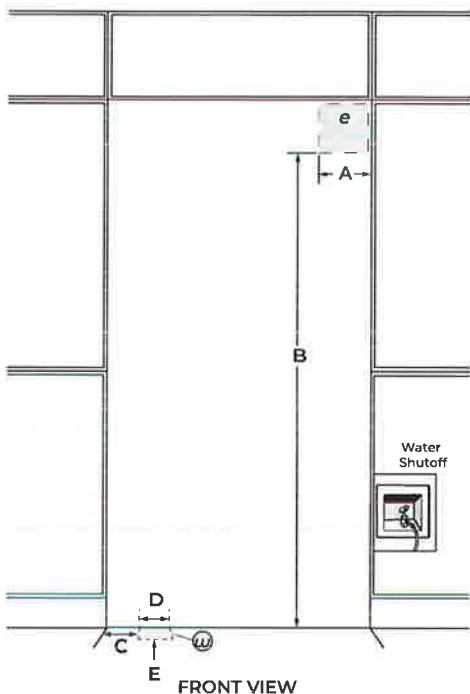
48" FULLY INTEGRATED SIDE-BY-SIDE REFRIGERATOR

DETAILED PLANNING DIMENSIONS GUIDE

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

JS48NFXDE - 47 $\frac{3}{4}$ " (W) x 83 $\frac{1}{8}$ " (H) x 24" (depth without door panels/handles)

CLEARANCE DIMENSIONS



DIMENSION	DESCRIPTION	JF42NFXDE
A	Width of recommended electrical location	7 $\frac{1}{2}$ " (19.1 cm)
B	Height to recommended electrical location	77" (195.6 cm)
C	Distance from side of cabinet to recommended water connection location	6 $\frac{1}{2}$ " (16.5 cm)
D	Width of recommended water location	1 $\frac{1}{2}$ " (3.81 cm)
E	Depth of recommended water connection location (max.)	2" (5 cm)
e	Recommended electrical connection location	
w	Recommended water connection location	


*A minimum 2" (5.1 cm) 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.

SITE PREPARATION

INSTALLATION REQUIREMENTS

PLAN THE INSTALLATION

IMPORTANT:

- Install the handles on the panels prior to panel installation. Follow the instructions received with handle kit to install the handles.
- Plan your installation using these instructions in conjunction with the Installation Instructions provided with the refrigerator. Modifications must be made to the refrigerator to accommodate the Armoire-style door panels.

Required parts

- One of the following built-in refrigerator models:
 - 42" Side-by-Side: JS42NXFXDE
 - 48" Side-by-Side: JS48NXFXDE
 - 36" Bottom Mount: JB36NXFXLE, JB36NXFXRE
 - 36" French Door Bottom Mount: JF36NXFXDE
 - 42" French Door Bottom Mount: JF42NXFXDE
 - Accessory Armoire-Style Door Panel Kit which includes (Grille Assembly and Grille Bracket Assembly)
 - Custom Panels
- NOTE:** The required thickness for all panels is 3/4" (1.91 cm).

OPENING REQUIREMENTS

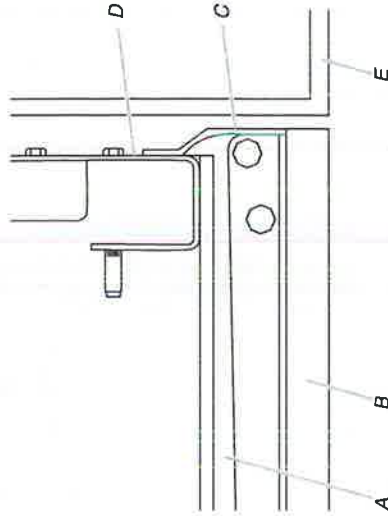
IMPORTANT:

- The width of the opening, from side to side, must be as specified for your model, for at least 3" (7.62 cm) back from the face of the cabinet. If your opening does not meet this requirement, you will need to make modifications.
- The depth of the opening from the front of the cabinet to the back wall must be 25" (63.5 cm) minimum to achieve a flush installation.

CABINET AND PANEL INSTALLATION OPTIONS

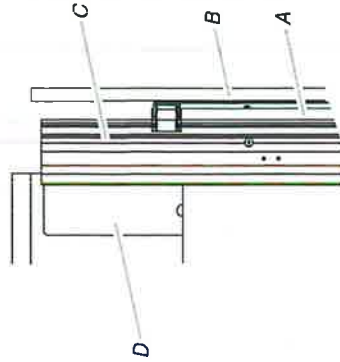
Cabinet Depth - 25" (63.5 cm)

Grille Bracket - Top View



- A. Refrigerator door
- B. Armoire-style door panel
- C. Side trim
- D. Grille bracket
- E. Adjacent cabinet

Grille Bracket - Side View



- A. Refrigerator door
- B. Armoire-style door panel
- C. Side trim
- D. Grille bracket

SITE PREPARATION

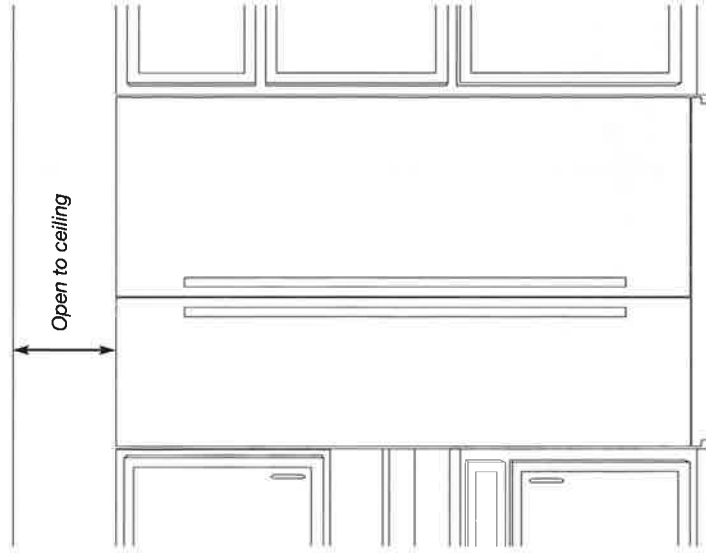
CABINET CUTOUT OPTIONS

AIRFLOW VENTING RECOMMENDATIONS

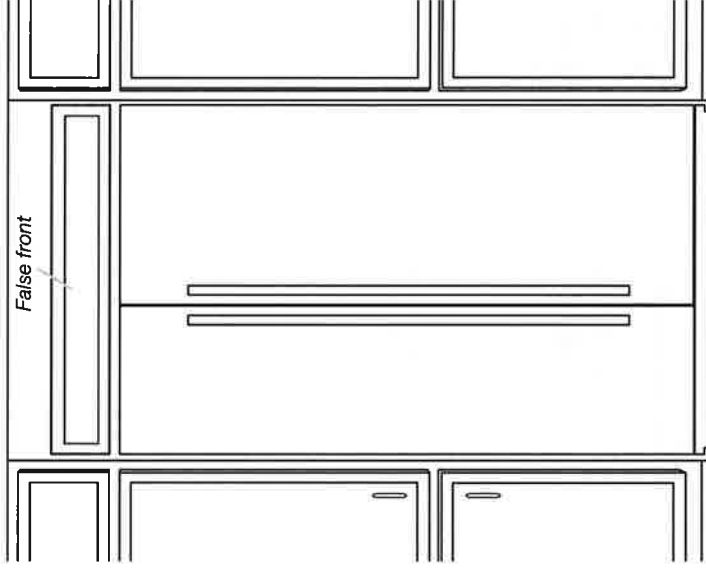
IMPORTANT:

- Armoire-style installations recommends a minimum of 1/8" (3.2 mm) of open space above the refrigerator. It is recommended that this space not be blocked in any way, including soffits.
- Models may be installed using either Option 1, Option 2 or option 3.

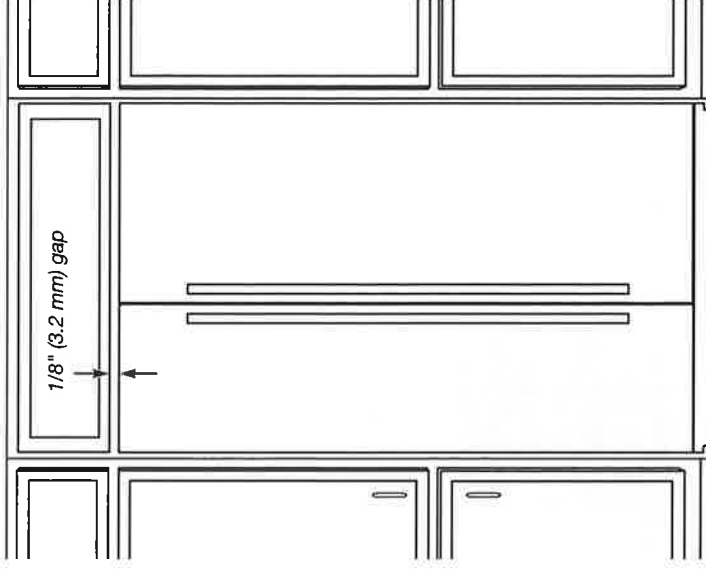
Option 1 - Open to Ceiling



Option 2 - False Front (cabinet face only)



Option 3 - Closed Soffit



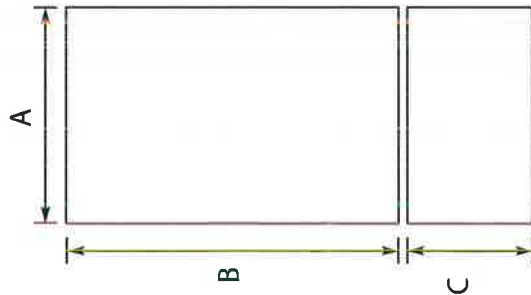
SITE PREPARATION

PANEL DIMENSIONS

BOTTOM MOUNT MODEL

Maximum allowable weights:

- Door panel - 60 lbs (27.2 kg)
- Drawer panel - 25 lbs (11.3 kg)

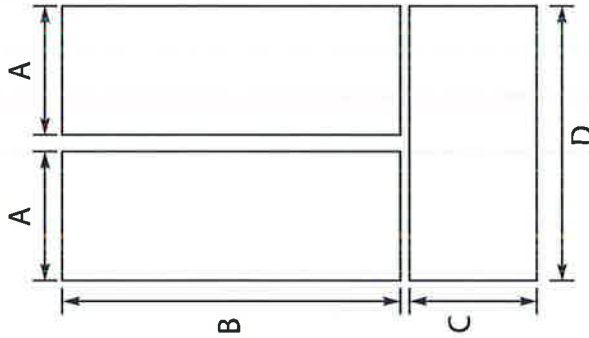


Legend	Model	Dimension
A	36"	35 ³ / ₄ " (90.81 cm)
B	36"	59 ¹ / ₈ " (150.2 cm)
C	36"	20 ¹ / ₂ " (52.07 cm)

FRENCH DOOR BOTTOM MOUNT MODELS

Maximum allowable weights:

- Door panel - 38 lbs (17.2 kg)
- Drawer panel (36" model) - 25 lbs (11.3 kg)
- Drawer panel (42" model) - 30 lbs (13.6 kg)



Legend	Model	Dimension
A	36"	17 ³ / ₄ " (45.24 cm)
B		59 ¹ / ₈ " (150.2 cm)
C		20 ¹ / ₂ " (52.07 cm)
D		35 ³ / ₄ " (90.81 cm)
A	42"	20 ³ / ₄ " (52.86 cm)
B		59 ¹ / ₈ " (150.2 cm)
C		20 ¹ / ₂ " (52.07 cm)
D		41 ³ / ₄ " (106.05 cm)

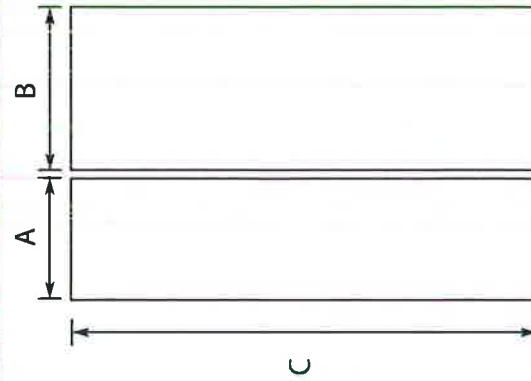
SIDE BY SIDE MODELS

Maximum allowable weights (42" models):

- Refrigerator Door panel - 65 lbs (29.5 kg)
- Freezer Door panel - 49 lbs (22.2 kg)

Maximum allowable weights (48" models):

- Refrigerator Door panel - 66 lbs (29.9 kg)
- Freezer Door panel - 50 lbs (23 kg)



Legend	Model	Dimension
A	42"	17 ³ / ₄ " (45.24 cm)
B		23 ³ / ₄ " (60.48 cm)
C		81" (205.7 cm)
A	48"	20 ¹ / ₄ " (51.59 cm)
B		27 ¹ / ₄ " (69.37 cm)
C		81" (205.7 cm)



30" SINGLE WALL OVEN WITH V2™ VERTICAL DUAL-FAN CONVECTION SYSTEM

Signature Features

V2™ VERTICAL DUAL-FAN CONVECTION

Dual counter-rotating vertical fans work in tandem, helping you wield your cooking prowess with everything from mouthwatering fillets to irresistible roasts.

MY CREATIONS

My Creations allows you to seamlessly combine up to three cooking modes and save the settings for your favorite recipes.

IRRESISTIBLE INTERIOR

Captivation cloaked in black. Beyond a dark glass expanse, cinematic lighting illuminates smooth racks, flat tines, and an enticing jet black interior.

Feature Listing

DESIGN & CRAFTSMANSHIP

Irresistible Interior

7-Inch Full Color LCD Display

Cinematic Lighting
Seamless Touches
Glide Rack
Smooth Close Door
5.0 Cu. Ft. Capacity

PERFORMANCE

V2™ Vertical Dual-Fan Convection

My Creations

Closed Door Broiling
Versatile Modes
3,400-Watt Convection Element
2,800-Watt Hidden Bake Element
4,000-Watt Broil Element
8-Pass Reflective Broil Element
Connected Temperature Probe

ADDITIONAL FEATURES

Keep Warm™ Option
Auto Convection Conversion
Auto Convection Modes
Manual Convection Modes
Rapid Preheat
Proofing Option
Control Lock
Sabbath Mode
ADA Compliant
Badasses at the Ready
Serviced by a Select Few

Specifications

Shipping Weight (lbs) 184
Volts 240
Amps 20
Capacity (Cu. Ft.) 5.0

Dimensions

Overall Dimensions 30" x 29(7/8)" x 25(5/16)"
Opening / Clearance Dimensions (Traditional Installation) 28(1/2)" x 28" x 24"
Opening / Clearance Dimensions (Flush Installation) 30(1/4)" x 30(7/16)" x 25"

Do not make any cutouts based on this information

JJW3430I



Style Options

RISE™

JJW3430IL

NOIR™

JJW3430IM



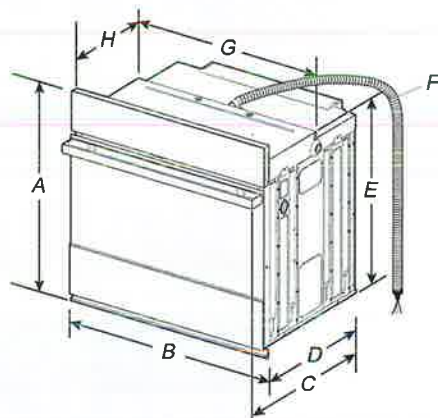
Bold = Top Features

JENNAIR

SINGLE WALL OVENS

JJW2427I – 27" x 29-7/8" x 25-5/16"

JJW2430I, JJW3430I – 30" x 29-7/8" x 25-5/16"



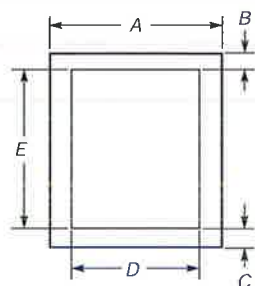
PRODUCT DIMENSIONS – SINGLE OVENS

27" (68.6 CM) MODELS

- A. 29-7/8" (75.8 cm) max. overall height
- B. 27" (68.6 cm) overall width
- C. JJW2427IM – 26-3/8" (67 cm)
JJW2427IL – 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. JJW2430IM – 26-3/8" (67 cm)
JJW2430IL – 27-3/16" (69 cm)
JJW3430IM – 26-3/8" (67 cm)
JJW3430IL – 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



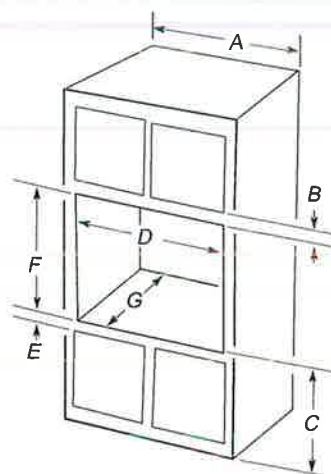
UNDERCOUNTER CABINET DIMENSIONS – SINGLE OVENS

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 Use & Care Guide before selecting cabinetry, verifying electrical/gas connections, making cutouts or beginning installation. All JennAir® appliances are appropriately UL, CUL or CSA approved.



SINGLE WALL OVENS**JJW2427I – 27" x 29-7/8" x 25-5/16"****JJW2430I, JJW3430I – 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, 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.

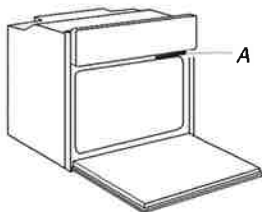
A copy of the above code standards can be obtained from:

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

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 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 JJW2427I, JJW2430I and JJW3430I, refer to the following table.

	240 VAC	208 VAC
Model	kW	kW
JJW2427I	4.1	3.1
JJW2430I	4.1	3.1
JJW3430I	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. All JennAir® appliances are appropriately UL, CUL or CSA approved.



RISE™ 30" BUILT-IN MICROWAVE OVEN WITH SPEED-COOK

Signature Features

4.3-INCH FULL COLOR LCD DISPLAY

A highly interactive, full-color LCD touchscreen is packed with dynamic features that allow you to navigate effortlessly through settings and cooking options including temperature and cooking mode.

SMOOTH CLOSE DOOR

Quiet, soft, secure. Your oven gently pulls the door closed.

1,200-WATT CONVECTION ELEMENT

This 1,200-watt element surrounds your cravings with circulating, consistent heat until baked to your satisfaction.

SEAMLESS TOUCHES

Seamlessly designed. Concealed details melt into their stainless steel surround, as shiny interiors and glass expanses pull you in.

1.4 CU. FT. MICROWAVE CAPACITY

Explore your options. There's room for whatever you're craving.

900-WATT MICROWAVE ELEMENT

Harness 900 watts of microwave energy to rapidly cook and reheat a variety of foods.

STAINLESS STEEL MICROWAVE INTERIOR

Wrapped in luminous steel, intrinsic beauty is reflected in every corner.

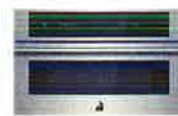
CONVECTION & MICROWAVE COMBINATION COOKING

Let your appetite run wild—broil, bake or warm with convection and microwave energy.

SPEED-COOK

Renounce accepted limitations of the microwave. Three potent methods converge to deliver convection's steady heat, microwave speed and broiled caramelization in each oven-caliber bite.

JMC2430IL



Dimensions

Capacity: 1-2/5

Depth With Door Open 90 Degree: 35-5/8 in

Controls

Number of Quick Touch/One-Touch Selections: 1

Convenience Cooking Controls: Yes

Design Type

Design Expression: RISE™

Electrical

Hz: 60

Watts: 3300

Technical Specifications

Configuration and Overview

Size: 30 in

Microwave Type: Built-In

CUL: Yes

Prop 65: Standard

Microwave Details

Scrolling Electronic Display: No

Sensor Cooking: Yes

Microwave Details

Microwave Selections:

- Add 30 Seconds
- Auto Cook
- Beverage
- Control Lock
- Convection
- Cook
- Cook Power
- Cook Time
- Crisp Pan
- Defrost
- Dinner Plate
- End of Cycle Signal
- Fresh Vegetable
- Frozen Vegetable
- Frozen Entree
- Grill
- Keep Warm
- Kids Menu
- Languages - English/French
- Off/Cancel
- Pizza
- Popcorn
- Potato
- Reheat
- Soften/Melt
- Sound On/Off
- Soup
- Speed Cook
- Steam

Cooking Power: 900 w

Cavity Finish: Stainless

Convection: Yes

Convection Power: 1200 w

Grill: Yes



RISE™ 30" BUILT-IN MICROWAVE OVEN WITH SPEED-COOK

Grill Power: 1600.0 w

Interior Light: No

Number of Racks: 1

Turntable: Stoppable

Turntable Diameter Size: 14-1/8 in

Details

Number of Power Levels: 10

Clock: Yes

Night Light: No

Certifications

ADA Compliant: ADA Height and Side and Front
Reach Compliant

Compatibility

Connectivity: No

Configuration

Microwave Configuration: Built-In

INSTALLATION INSTRUCTIONS 27" (68.6 CM) AND 30" (76.2 CM) ELECTRIC BUILT-IN MICROWAVE OVEN FLUSH INSTALLATION KIT

INSTRUCTIONS D'INSTALLATION POUR ENSEMBLE D'INSTALLATION EN AFFLEUREMENT DE FOUR À MICRO-ONDES ÉLECTRIQUE ENCASTRÉ DE 27" (68,6 CM) ET 30" (76,2 CM)

27" (68.6 cm) Flush Installation Kits Ensembles d'installation en affleurement de 27" (68,6 cm)

	Stainless Steel Acier inoxydable	Stainless Steel/ Acier inoxydable, RISE™/NOIR™
Model#/ Modèle n°	Kit PN/ Ensemble référence: W10801485	Kit PN/ Ensemble référence: W11358283
JMC2427DS	★★	*
JMC2427IM, JMC2427IL	*	★★

30" (76.2 cm) Flush Installation Kits Ensembles d'installation en affleurement de 30" (76,2 cm)

	Black Noir	Stainless Steel/ Acier inoxydable	Stainless Steel/ Acier inoxydable, RISE™/NOIR™
Model#/ Modèle n°	Kit PN/ Ensemble référence: W10801487	Kit PN/ Ensemble référence: W10801486	Kit PN/ Ensemble référence: W11358282
JMC2430DB	★★	*	*
JMC2430DP, JMC2430DS	*	★★	*
JMC2430IM, JMC2430IL	*	*	★★

* Approved for use.

★★ Recommended color and approved for use.

* Approuvé pour l'utilisation.

★★ Couleur recommandée et approuvé pour l'utilisation.

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IMPORTANT:

Save for local electrical inspector's use.

IMPORTANT:

À conserver pour consultation par l'inspecteur local des installations électriques.

W11356316A

BUILT-IN MICROWAVE OVEN SAFETY

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING."

These words mean:

⚠ DANGER

You can be killed or seriously injured if you don't immediately follow instructions.

⚠ WARNING

You can be killed or seriously injured if you don't follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

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
- Level
- 1/4" (6.3 mm) nut driver
- Drill
- Measuring tape
- 1/8" (3.1 mm) drill bit

Parts Needed

- (2) Spacer bars - included with built-in microwave oven
- (4) Hex-head washer screws - included with built-in microwave oven
- (4) Pan-head screws - included with built-in microwave oven

Parts Supplied

- Bottom vent



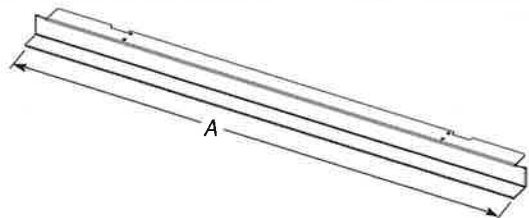
Location Requirements

IMPORTANT: Observe all governing codes and ordinances.

- Cabinet opening dimensions that are shown must be used. Given dimensions provide minimum clearance with the microwave oven.
- Recessed installation area must provide complete enclosure around the recessed portion of the microwave oven.
- Microwave oven support surface must be solid, level and flush with the bottom of the cabinet cutout. Floor must be able to support a weight of 108 lbs (49 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).

Bottom Vent Dimensions



27" (68.6 cm) Models

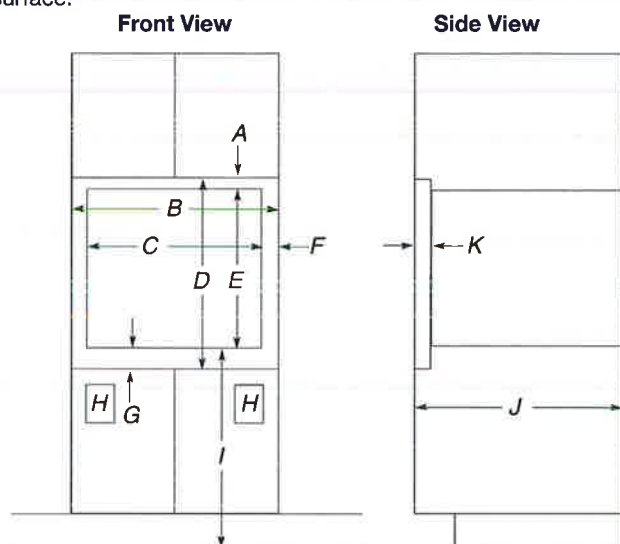
A. 26 3/4" (67.9 cm) overall width

30" (76.2 cm) Models

A. 29 3/4" (75.6 cm) overall width

Cabinet Dimensions - Flush Installation

A 23³/₄" (59 cm) minimum cutout depth is required. These dimensions will result in a 1/4" (6.3 mm) reveal on the top, a 1/4" (6.3 mm) reveal on the sides, and a 1/8" (3.1 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. 1³/₁₆" (4.7 cm) top cleat*
- B. 27¹/₄" (69.2 cm) minimum width of flush inset cutout
- C. 25⁷/₈" (65.7 cm) minimum width of opening
- D. 20³/₁₆" (51.3 cm) minimum height of flush inset cutout
- E. 17⁵/₈" (44.7 cm) recommended cutout height
- F. 11/16" (1.7 cm) side cleat*
- G. 3/4" (1.9 cm) bottom cleat*
- H. Recommended junction box location
- I. 40" (101.6 cm) bottom of cutout to floor (recommended)
- J. 23¹/₄" (59.0 cm) minimum depth of cutout
- K. 1³/₈" (3.5 cm) recess from front of cabinet

30" (76.2 cm) Models

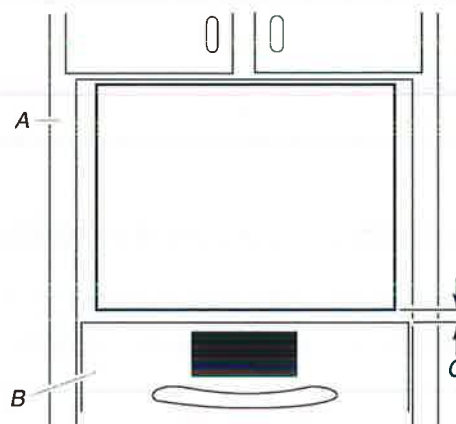
- A. 1³/₁₆" (4.7 cm) top cleat*
- B. 30¹/₄" (76.8 cm) minimum width of flush inset cutout
- C. 28⁷/₈" (70.8 cm) minimum width of opening
- D. 20³/₁₆" (51.3 cm) minimum height of flush inset cutout
- E. 17⁵/₈" (44.7 cm) recommended cutout height
- F. 11/16" (1.7 cm) side cleat*
- G. 3/4" (1.9 cm) bottom cleat*
- H. Recommended junction box location
- I. 40" (101.6 cm) bottom of cutout to floor (recommended)
- J. 23¹/₄" (59.0 cm) minimum depth of cutout
- K. 1³/₈" (3.5 cm) recess from front of cabinet

*Cleats must be recessed 1³/₈" (3.5 cm) from the front of the 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

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

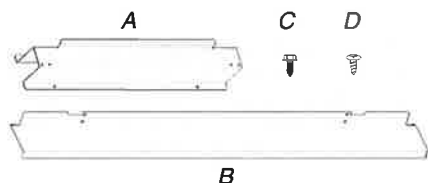
- UL listed or CSA approved conduit connector
- UL listed wire connectors

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.

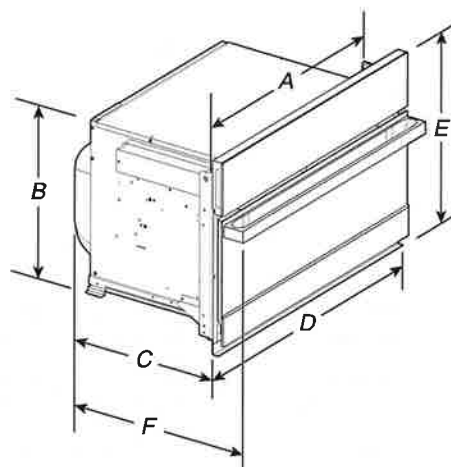
- Cabinet opening dimensions that are shown must be used. Given dimensions provide minimum clearance with microwave oven.
- Recessed installation area must provide complete enclosure around the recessed portion of the microwave oven.
- Grounded electrical supply is required. See "Electrical Requirements" 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



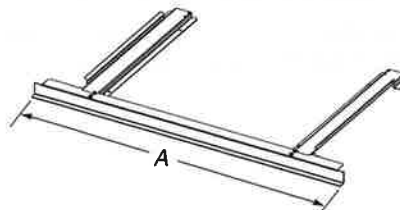
27" (68.6 cm) models

- A. 25³/₈" (64.5 cm)
- B. 17³/₈" (44.1 cm)
- C. 22¹/₁₆" (57.7 cm)
- D. 26³/₄" (68.0 cm) overall width
- E. 19⁷/₈" (50.3 cm) overall height
- F. JMC2427IM: 25³/₁₆" (64.9 cm)
JMC2427IL: 24³/₄" (62.9 cm)

30" (76.2 cm) models

- A. 28³/₈" (72.1 cm)
- B. 17³/₈" (44.1 cm)
- C. 22¹/₁₆" (57.7 cm)
- D. 29³/₄" (75.6 cm) overall width
- E. 19⁷/₈" (50.3 cm) overall height
- F. JMC2430IM: 25³/₁₆" (64.9 cm)
JMC2430IL: 24³/₄" (62.9 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

30" (76.2 cm) models

- A. 29³/₄" (75.6 cm) overall width

NOTE: The microwave oven spacer kit will allow the microwave oven to be installed in a 17³/₈" to 17³/₄" (44.1 to 45.1 cm) maximum cutout height.

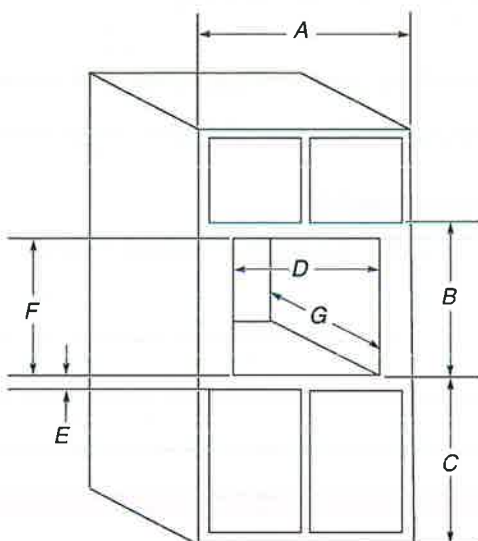
A microwave oven spacer kit is available from your dealer that will allow the microwave oven to be installed in a 19" to 19^{13/16"} (48.3 to 50.2 cm) maximum cutout height. Match the oven size to the following kits:

- 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^{7/8}" (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^{1/2}" (64.8 cm) cutout width
- E. 1^{1/2}" (3.8 cm) min. bottom of cutout to top of cabinet door
- F. 17^{5/8}" (44.7 cm) recommended cutout height (will fit cutout height from 17^{3/8}" [44.1 cm] to 17^{3/4}" [45.1 cm])
- G. 21^{7/8}" (55.5 cm) min. cutout depth

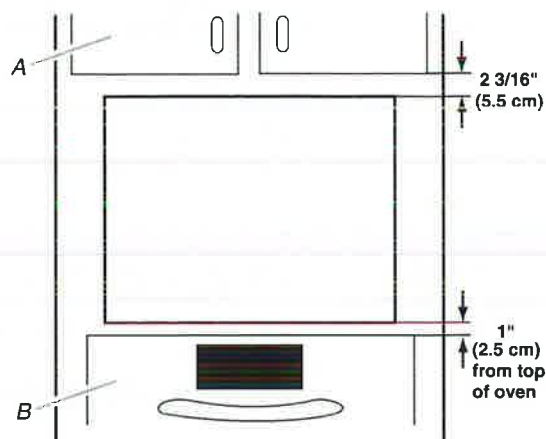
30" (76.2 cm) models

- A. 30" (76.2 cm) min. cabinet width
- B. 19^{7/8}" (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^{1/2}" (72.4 cm) cutout width
- E. 1^{1/2}" (3.8 cm) min. bottom of cutout to top of cabinet door
- F. 17^{5/8}" (44.7 cm) recommended cutout height (will fit cutout height from 17^{3/8}" [44.1 cm] to 17^{3/4}" [45.1 cm])
- G. 21^{7/8}" (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. O-M91 – latest edition, and all local codes and ordinances.

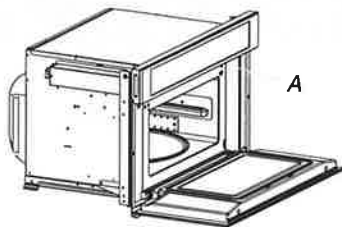
A copy of the above code standards can be obtained from:

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

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.

- 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

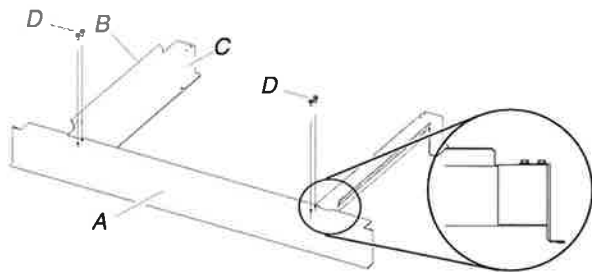
NOTES:

- The microwave oven spacer kit allows the microwave oven to be installed in an $17\frac{7}{16}$ " to $17\frac{7}{8}$ " (44.1 cm to 45.3 cm) maximum cutout height.
- If your cabinet cutout height is more than $17\frac{7}{16}$ " (44.1 cm), you must install the spacer kit. Proceed to "Assemble Spacer Kit."
- If your cabinet cutout height is less than $17\frac{7}{16}$ " (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 $\frac{3}{8}$ " (9.5 mm) hex-head washer screws.

NOTE: Spacer bar flanges should be facing out.

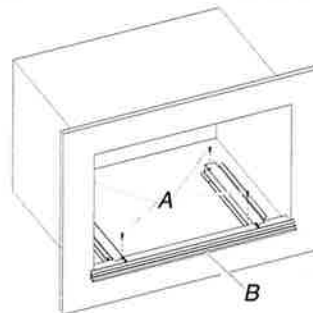


A. Bottom vent
B. Spacer bar flange
C. Spacer bars
D. $\frac{3}{8}$ " (9.5 mm) hex-head washer screws

Install Spacer Kit

1. Center assembled microwave oven spacer kit against lower front edge of the cabinet cutout.
2. Using an $\frac{1}{8}$ " (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 $\frac{3}{4}$ " (1.9 cm) (flat-head screws. Do not overtighten screws.



A. $\frac{3}{4}$ " (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.



48" GAS PROFESSIONAL RANGETOP WITH CHROME-INFUSED GRIDDLE AND GAS GRILL

Signature Features

15 RANGETOP CONFIGURATIONS

With 15 unique configurations, it's up to you. Infused with chrome, our griddle cleans up well after heavy usage. Fire up the grill for indoor entertainment on your terms.

HALO-EFFECT KNOBS

A halo of luminary LEDs glows softly when the burner is lit or the oven is on.

DUAL-STACKED POWERBURNERS

Two stacked, symmetrical flames bloom and retreat at your inclination, offering total control over heat levels. High-heat searing and wok cooking. Low, slow simmer and melt. Infinite intermediate settings satisfy every appetite.

Feature Listing

PERFORMANCE FEATURES

Dual-Stacked PowerBurners

Chrome-Infused Griddle

Gas Grill

20,000 BTU Dual-Stacked PowerBurner

18,000 BTU Dual-Stacked PowerBurner

9,000 BTU Dual-Stacked PowerBurner

Electronic Ignition with Flame-Sensing™ Reignition

CONTROL FEATURES

Halo-Effect Knobs

DESIGN FEATURES

15 Rangetop Configurations

Cast Iron Grates

OPTIONAL ACCESSORIES

Gas Connector Kit (Required) – 30-48KITRC

High Altitude Kit (Natural Gas) – W10160841

High Altitude Kit (LP Gas) – W10237848

9" Stainless Steel Backsplash – W10115777

Stainless Steel Backsplash with Two Shelves (48") – W10285449

Wok Ring – W10216179

Stainless Steel Griddle Cover – W10160195

Affresh™ Kitchen & Appliance Cleaner, 16 oz. – W10355010

Dimensions

Do not make any cutouts based on this information

JGCP748H



Style Options

NOIR™

JGCP748HM

RISE™

JGCP748HL

Specifications

Shipping Weight (lbs)

Volts 120

Amps 15



Bold = Top Features

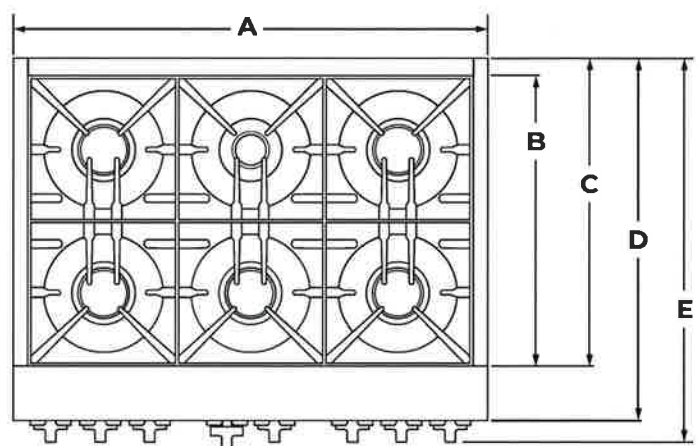
JENNAIR®

JENNAIR® DIMENSIONS

RANGETOPS

PRODUCT

	30" RANGETOP JGCP430H	36" RANGETOP JGCP436H	48" RANGETOP JGCP548H
Overall Width (A)	29-3/4" (75.6 cm)	35-3/4" (90.8 cm)	47-7/8" (121.6 cm)
Grate Depth (B)	22" (55.9 cm)	22" (55.9 cm)	22" (55.9 cm)
Depth without Control Panel (C)	23-1/4" (59.1 cm)	23-1/4" (59.1 cm)	23-1/4" (59.1 cm)
Depth with Control Panel Overhang (D)	27-1/2" (69.9 cm)	27-1/2" (69.9 cm)	27-1/2" (69.9 cm)
Depth with Knobs: RISE™ (E)	29-1/8" (74 cm)	29-1/8" (74 cm)	29-1/8" (74 cm)
Depth with Knobs: NOIR™ (E)	29" (73.7 cm)	29" (73.7 cm)	29" (73.7 cm)



TOP 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 JennAir® appliances are appropriately UL, CUL or CSA approved.

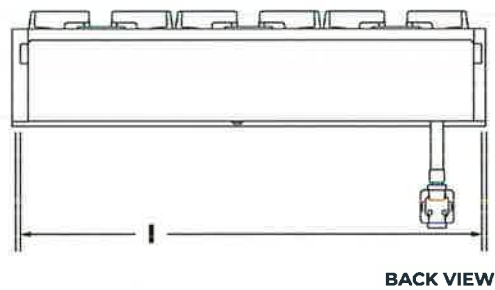
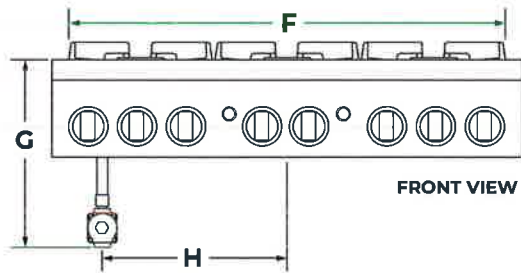
JENNAIR® DIMENSIONS

RANGETOPS

PRODUCT

	30" RANGETOP JGCP430H	36" RANGETOP JGCP436H	48" RANGETOP JGCP548H
Grate Width (F)*	27-7/16" (69.7 cm)	33" (83.8 cm)	44-3/8"* (112.7 cm)
Gas Inlet to Surface (G)	10-3/4" (27.3 cm)	10-3/4" (27.3 cm)	10-3/4" (27.3 cm)
Center to Gas Inlet (H)	11" (27.9 cm)	14-1/8" (35.9 cm)	19-5/8" (49.8 cm)
Recessed Rangetop Width (I)	29-1/8" (74 cm)	35" (88.9 cm)	47-1/4" (120 cm)

*Includes width of grates and griddle.

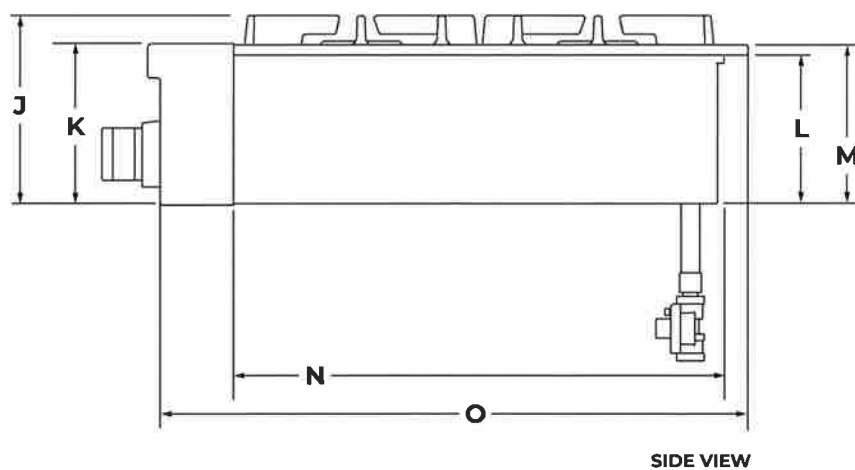


JENNAIR® DIMENSIONS

RANGETOPS

PRODUCT

	30" RANGETOP JGCP430H	36" RANGETOP JGCP436H	48" RANGETOP JGCP548H
Height with Grates (J)	9" (22.9 cm)	9" (22.9 cm)	9" (22.9 cm)
Control Panel Height (K)	7-13/16" (19.8 cm)	7-13/16" (19.8 cm)	7-13/16" (19.8 cm)
Recessed Rangetop Height (L)	7" (17.8 cm)	7" (17.8 cm)	7" (17.8 cm)
Cooking Surface Height (M)	7-7/16" (18.9 cm)	7-7/16" (18.9 cm)	7-7/16" (18.9 cm)
Recessed Rangetop Depth (N)	21-7/8" (55.6 cm)	21-7/8" (55.6 cm)	21-7/8" (55.6 cm)
Depth with Control Panel (O)	25-1/2" (64.8 cm)	25-1/2" (64.8 cm)	25-1/2" (64.8 cm)



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

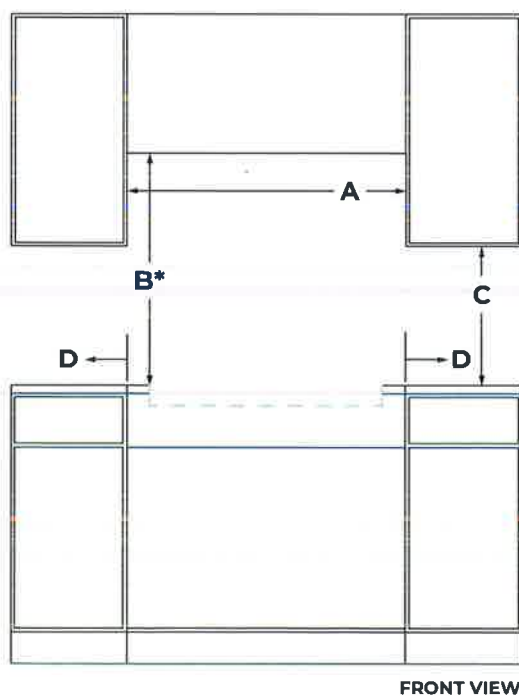
JENNAIR® DIMENSIONS

RANGETOPS

OPENING AND CLEARANCE

	30" RANGETOP JGCP430H	36" RANGETOP JGCP436H	48" RANGETOP JGCP548H
Combustible Area Above Cooking Surface Width (A)	30" (76.2 cm) min.	36" (91.4 cm) min.	48" (121.9 cm) min.
Bottom of Cabinet Height Above Cooking Surface (B)*	42" (106.7 cm) min.	58" (147.3 cm) min.	58" (147.3 cm) min.
Bottom of Cabinet Height Above Countertop (C)	18" (45.7 cm) min.	18" (45.7 cm) min.	18" (45.7 cm) min.
Distance to Fixed Wall or Combustible Material (D)	12" (30.5 cm) min.	12" (30.5 cm) min.	12" (30.5 cm) min.

*Dimension reduced by 6" (15.2 cm) when bottom of wood or metal cabinet is covered by at least 1/4" (0.6 cm) flame retardant millboard, which is in turn covered with at least 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 above the rangetop, follow the hood instructions for dimensional clearances above the cooking surface.



FRONT VIEW

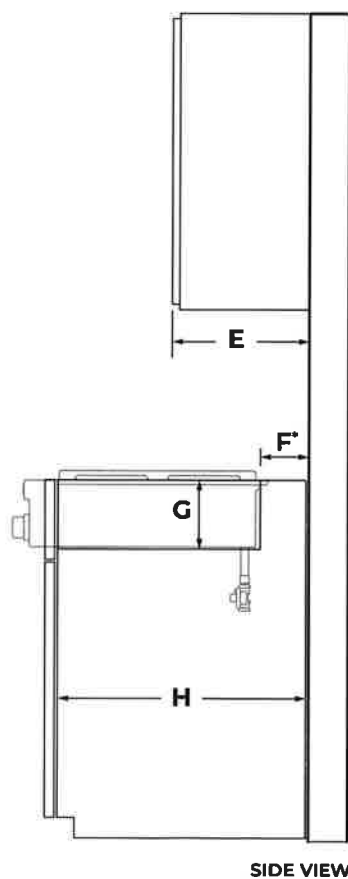
JENNAIR® DIMENSIONS

RANGETOPS

OPENING AND CLEARANCE

	30" RANGETOP JGCP430H	36" RANGETOP JGCP436H	48" RANGETOP JGCP548H
Recommended Upper Cabinet Depth (E)	13" (33 cm)	13" (33 cm)	13" (33 cm)
Cutout to Wall Depth (F)*	1-1/2" (3.8 cm) min.	1-1/2" (3.8 cm) min.	1-1/2" (3.8 cm) min.
Cabinet to Countertop Height (G)	7-1/4" (18.4 cm)	7-1/4" (18.4 cm)	7-1/4" (18.4 cm)
Cabinet Depth (H)	24" (61 cm)	24" (61 cm)	24" (61 cm)

*If the back wall is constructed of a combustible material and a backsplash is not installed, a 7-1/2" (19.1 cm) minimum clearance is required from the cutout or 6" (15.2 cm) minimum clearance from the back edge of the rangetop.

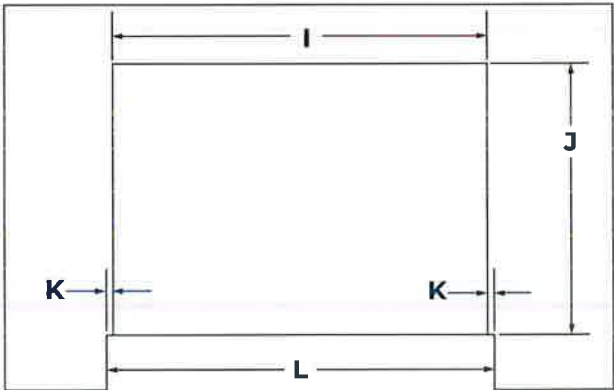


JENNAIR® DIMENSIONS

RANGETOPS

OPENING AND CLEARANCE

	30" RANGETOP JGCP430H	36" RANGETOP JGCP436H	48" RANGETOP JGCP548H
Countertop and Cabinet Cutout Width (I)	29-1/4" (74.3 cm)	35-1/4" (89.5 cm)	47-3/8" (120.3 cm)
Countertop and Cutout Depth (J)	22-1/4" (56.5 cm)	22-1/4" (56.5 cm)	22-1/4" (56.5 cm)
Notch Width (K)	5/16" (0.8 cm)	5/16" (0.8 cm)	5/16" (0.8 cm)
Cutout Width (L)	29-7/8" (75.9 cm)	35-3/4" (90.8 cm)	47-7/8" (121.6 cm)



TOP VIEW

JENNAIR® DIMENSIONS

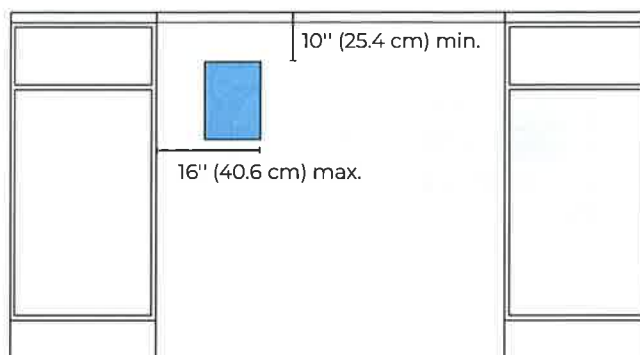
RANGETOPS

ELECTRICAL REQUIREMENTS

ELECTRIC REQUIREMENTS CHECKLIST

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

RECOMMENDED ELECTRICAL OUTLET ZONE



FRONT VIEW



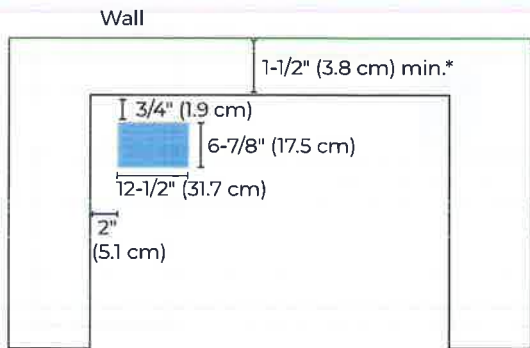
IF YOU HAVE QUESTIONS ABOUT YOUR ELECTRICAL SUPPLY,
CALL A LICENSED, QUALIFIED ELECTRICIAN.

JENNAIR® DIMENSIONS

RANGETOPS

GAS REQUIREMENTS

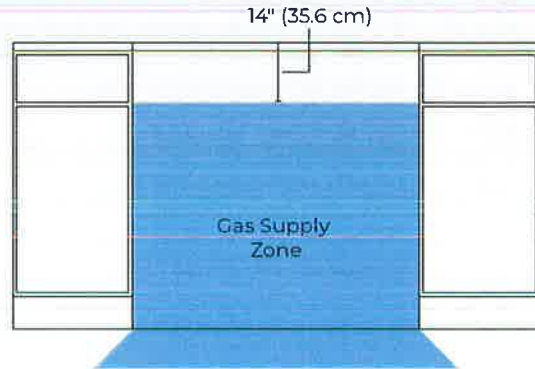
RECOMMENDED GAS SUPPLY LOCATION



TOP VIEW

*If the back wall is constructed of a combustible material and a backsplash is not installed, a 7-1/2" (19.1 cm) minimum clearance is required from the cutout or 6" (15.2 cm) minimum clearance from the back edge of the rangetop.

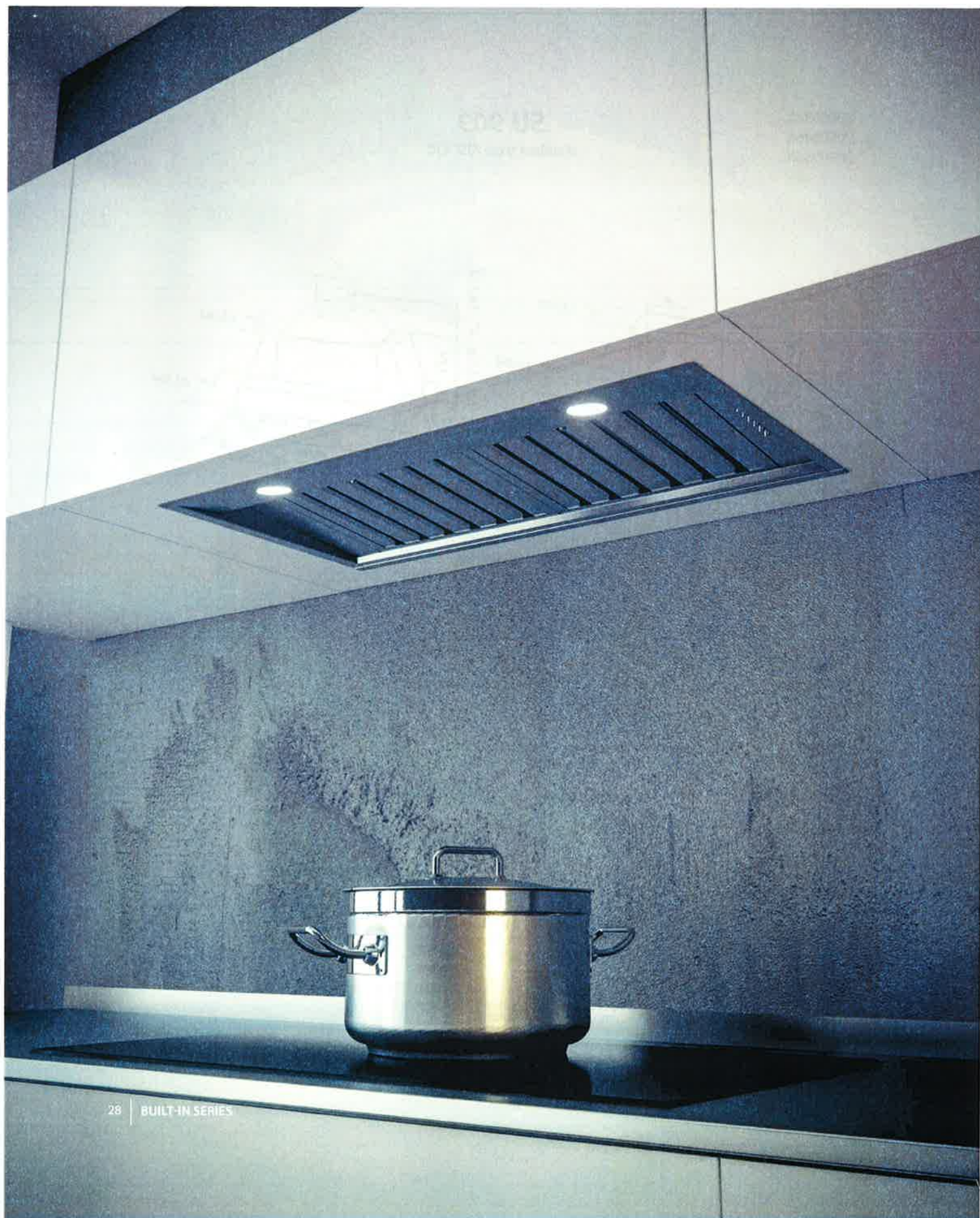
GAS SUPPLY ZONE



FRONT VIEW



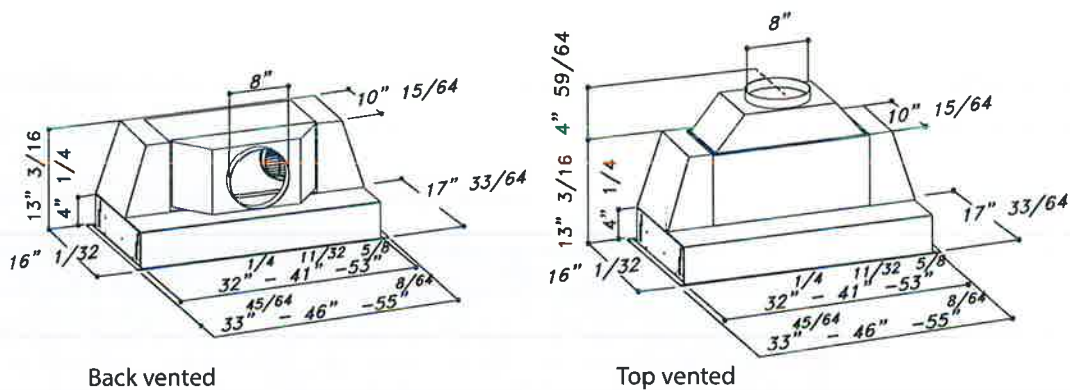
IF YOU HAVE QUESTIONS ABOUT YOUR GAS SUPPLY,
CALL A LICENSED, QUALIFIED SERVICE TECHNICIAN.



SU90934X
SU90946X
SU90955X

SU 909

stainless steel AISI 430



MOTOR	Dual Motor Aluminium die-cast housing 1100 CFM Pressure: 800 Pa Noise level: 66 dBA/5.1 sones
LIGHTING	2x1W Led spot for 34" and 46" 4x1W Led spot for 55"
CONTROL PANEL	Chromed push button 4 Speeds + timer +light
GREASE FILTER	Commercial style baffle filters
AIR OUTLET	8"
DISCHARGE	Vertical and horizontal
CUT OUT	32" 15/32 x 16" 1/8 SU909 34" version 44" 23/32 x 16" 1/8 SU909 46" version 53" 3/4 x 16" 1/8 SU909 55" version
ACCESSORIES	Charcoal filters: KF7 (Order 2 pcs for SU909 34" version) KF7 (Order 3 pcs for SU909 46"/55" version) Cod. 60080477002

24" Custom Panel Dishwasher

Benchmark Series – Custom Panel SHV89PW73N



BOSCH
Invented for life



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 1/8" 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 Door with Stainless Steel Straight Bosch Bar Handle	SHZ1008UC
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 US & Canadian websites. Major brands defined as TraQline Top 5 Market Share (US & Canada) December 2016.

For help and assistance with Bosch accessories please visit: www.bosch-eshop.com/eshop/bosch/us or call 1-800-944-2904 Mon-Fri 5am to 6pm PST Sat 6am to 3pm 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. Applicable product warranty can be found in accompanying product literature or you may contact your account manager for further details.

Warranties: Bosch warrants that the Product is free from defects in materials and workmanship for a period of three hundred and sixty-five (365) days from the date of purchase. The foregoing timeline begins to run upon the date of purchase, and shall not be stalled, tolled, extended, or suspended, for any reason whatsoever. This Product is also warranted to be free from cosmetic defects in material and workmanship (such as scratches of stainless steel, paint/porcelain blemishes, chip, dents, or other damage) to the finish of the Product, for a period of thirty (30) days from the date of purchase or closing date for new construction. This cosmetic warranty excludes slight color variations due to inherent differences in painted and porcelain parts, as well as differences caused by kitchen lighting, product location, or other similar factors. This cosmetic warranty specifically excludes any display, floor, "As Is", or "B" stock appliances.

For more information on our entire line of products, go to www.bosch-home.com/us or call 1-800-944-2904

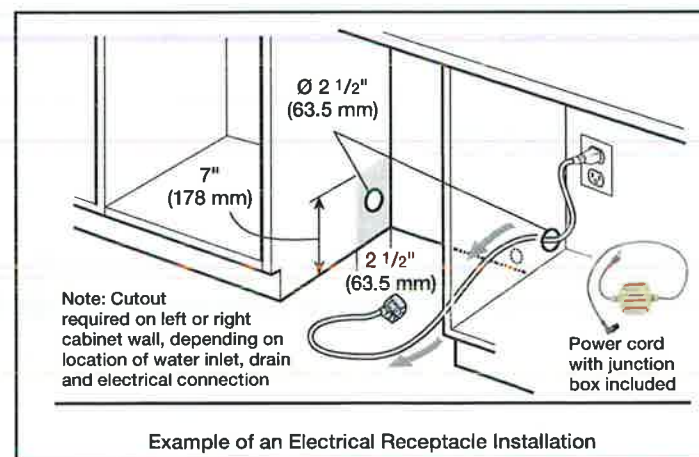
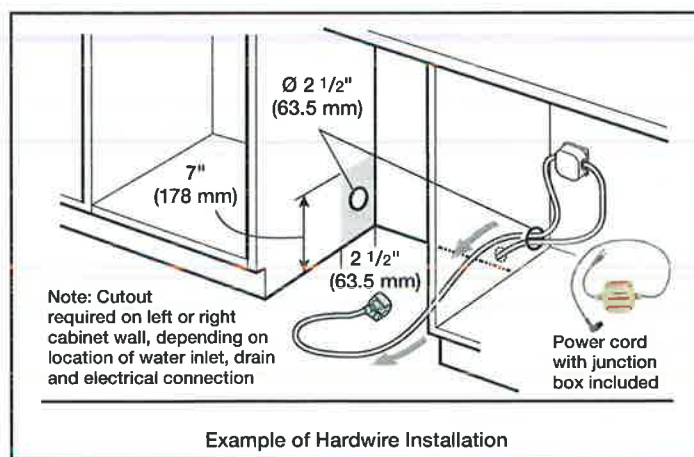
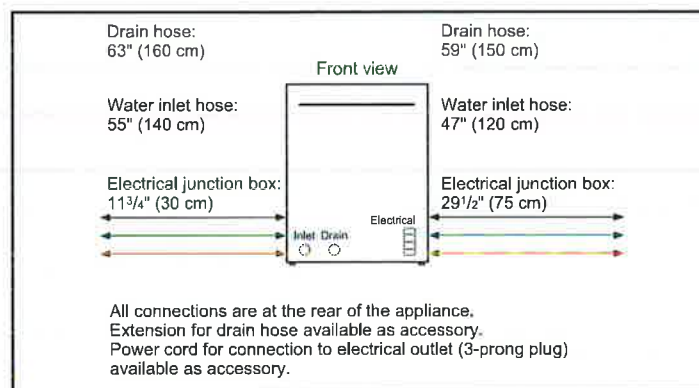
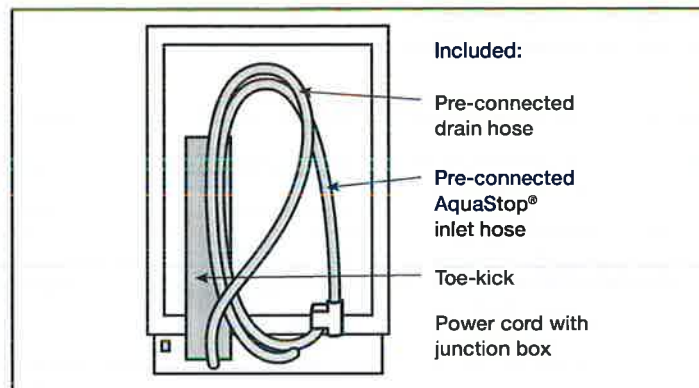
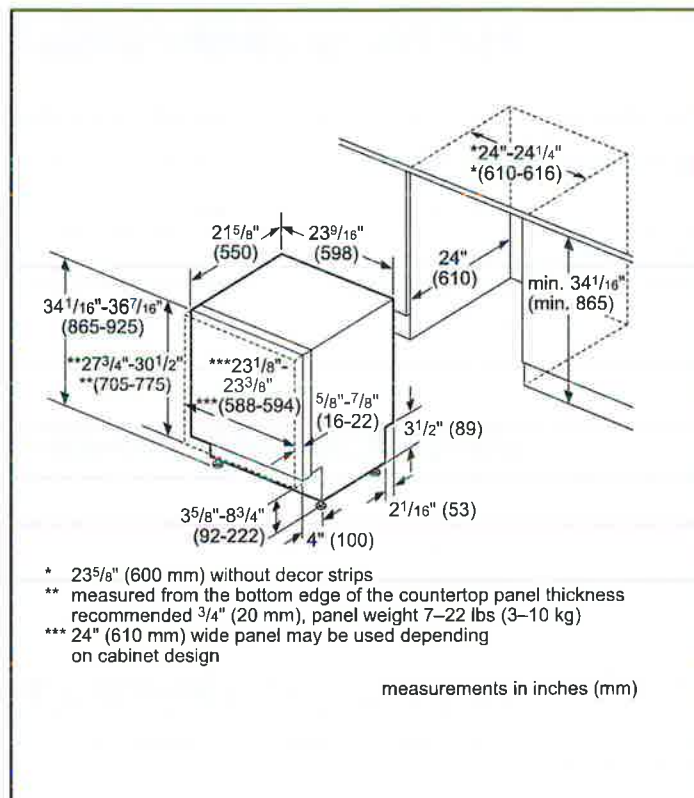
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24" Custom Panel Dishwasher

Benchmark Series – Custom Panel SHV89PW73N



Installation Details



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24" Custom Panel Dishwasher

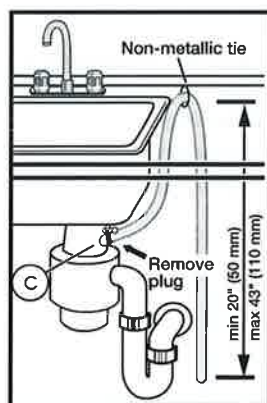
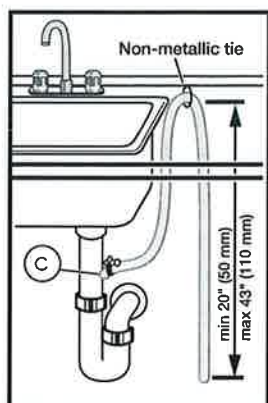
Benchmark Series – Custom Panel SHV89PW73N



BOSCH
Invented for life



Installation Details



Note: Plumbing installations will vary - refer to local codes. Drain hose included is 88 5/8" (225 cm) and can be extended to a maximum of 165 3/8" (420 cm).

Always use the approved drain hose extension kit (SGZ1010UC).

Ensure a portion of the drain hose is raised between min. 20" (50 cm) and max. 43" (110 cm) above the cabinet floor.

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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. Applicable product warranty can be found in accompanying product literature or you may contact your account manager for further details.

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05/17

WV60M9900AV

SAMSUNG

Samsung FlexWash™ Washer

5.0 + 1.0 cu. ft. Total Capacity DOE



Signature Features

FlexWash™

- Two washers in one lets you wash separate loads at the same time.

6.0 cu. ft. Total Capacity

- 5.0 + 1.0 cu. ft. upper and lower washers mean fewer washes, less time in the laundry room.

Super Speed (Lower Washer)

- Wash a full load in as little as 30 minutes – 45% faster.*

* Normal 59-minute wash can now be completed in as little as up to 30 minutes as compared to WF42H5200 washer without Super Speed. Based on DOE standard's average of 7.5 loads per week.

Available Colors



Black Stainless Steel (shown)



White



FlexWash™



5.0 cu. ft. + 1.0 cu. ft. Capacity

Lower Wash Features

- Super Speed
- Steam Wash
- Wi-Fi Connectivity
- PowerFoam™
- VRT Plus™ Technology
- Self Clean+
- Smart Care
- Swirl Drum Design
- Touch Controls
- 1300 RPM Maximum Spin Speed
- Direct Drive Motor

Convenience

- Child Lock
- Door Lock
- Drum Light
- Dispenser Trays: Main Wash, Softener, Bleach

Upper Wash Features

- VRT™– Vibration Reduction Technology
- Wi-Fi Connectivity
- Self Clean
- Smart Care
- 800 RPM Maximum Spin Speed
- Stainless Steel Tub
- Direct Drive Motor
- Touch Controls
- Child Lock
- Door Lock
- Dispenser Trays: Softener, Bleach
- Aqua Pebble Detergent Pod

WV60M9900AV

Samsung FlexWash™ Washer

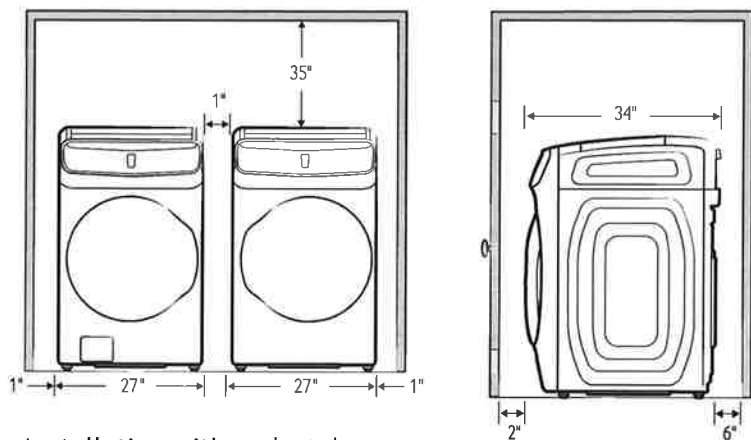
5.0 + 1.0 cu. ft. Total Capacity DOE

Installation Specifications

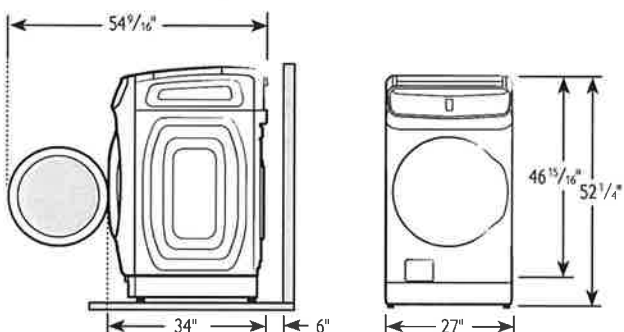
If the washer and dryer are installed together or the dryer alone, the closet front must have two unobstructed air openings for a combined minimum total area of 72-inch.² Your washer alone does not require a specific air opening.

Alcove or closet installation

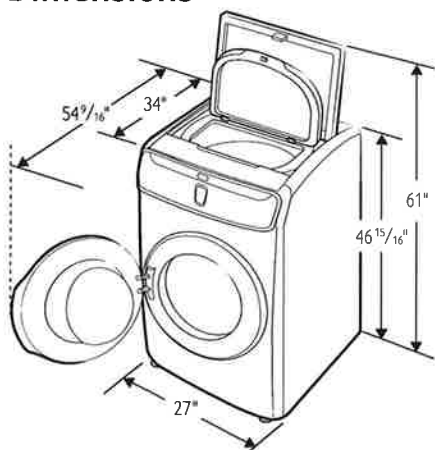
Minimum Clearance for Closet and Alcove Installations:



Installation with pedestal



Dimensions



SAMSUNG

5.0 cu. ft. Capacity Lower Washer

12 Preset Wash Cycles:

Eco Cold, Normal, Heavy Duty, Permanent Press, Sanitize, Towels, Bedding, Whites, Active Wear, Delicates, Quick Wash, Rinse + Spin

11 Options:

Super Speed, Steam, Self Clean+, Delay End, Pre Soak, Spin Only, Smart Control, Smart Care, Drum Light, Child Lock, Sound

5 Temperature Settings:

Extra Hot, Hot, Warm, Cool, Cold

5 Spin Settings:

Extra High, High, Medium, Low, No Spin

5 Soil Settings:

Extra Heavy, Heavy, Normal, Light, Extra Light

Dispenser Trays: Main Wash, Softener, Bleach

1.0 cu. ft. Capacity Upper Washer

5 Preset Wash Cycles:

Normal, Active Wear, Delicates, Rinse + Spin, Spin Only

7 Options:

Cold/Warm Water Temp, Extra Rinse, Self Clean, Smart Control, Sound, Child Lock, Smart Care

Dispenser Trays: Softener, Bleach

Warranty

One (1) Year Parts and Labor

Three (3) Years Stainless Steel Drum (Part Only)

Ten (10) Years Direct Drive Motor (Part Only)

Product Dimensions & Weight (WxHxD)

Dimensions: 27" x 46 15/16" x 34"

Weight: 308 lbs

Shipping Dimensions & Weight (WxHxD)

Dimensions: 29 9/16" x 52" x 36 1/4"

Weight: 319 lbs

Color	Model #	UPC Code
Black Stainless Steel	WV60M9900AV	887276196947
White	WV60M9900AW	887276196954

Matching Dryer (Electric/Gas)

Black Stainless Steel	DVE60M9900V	887276197562
White	DVE60M9900W	887276197586
Black Stainless Steel	DVG60M9900V	887276197616
White	DVG60M9900W	887276197623

DVE60M9900V/AC



Dryer with FlexSystem | 7.5 cu.ft.

www.samsung.com/ca



Color

Black Stainless

Dimensions

Width	27"
Height	47"
Depth	32.5"

Cycle time (min) 75 min
Energy Star Certification
Energy Consumption (annual) 607 kWh/year
DOE Energy Factor 3.94 lb/kWh
Interior Drum Light
Smart Control
Smart Care
Reversible Door
Child Lock
Filter Check Indicator
Mixed Load Bell
Steam
Vent Exhaust (Electric/Gas) 4 ways
Wrinkle Prevent
Drum Material Stainless Steel
Refresh | Wrinkle Away | Steam Sanitize
Normal | Heavy Duty | Towels
Perm Press | Active wear | Bedding
Delicates | Time Dry | Air Fluff
Adjust Time (Up) | Adjust Time (Down) | Anti Static
Mixed Load Bell | Smart Control / Monitor
Smart Care | Drum Light | Child Lock
Sound | Wrinkle Prevent

Product dimension, cutout and installation specifications are provided for planning purposes only. Before installing any product, be sure to verify cutout dimensions and electrical/gas connections with the installation

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Installation

Alcove or closet installations

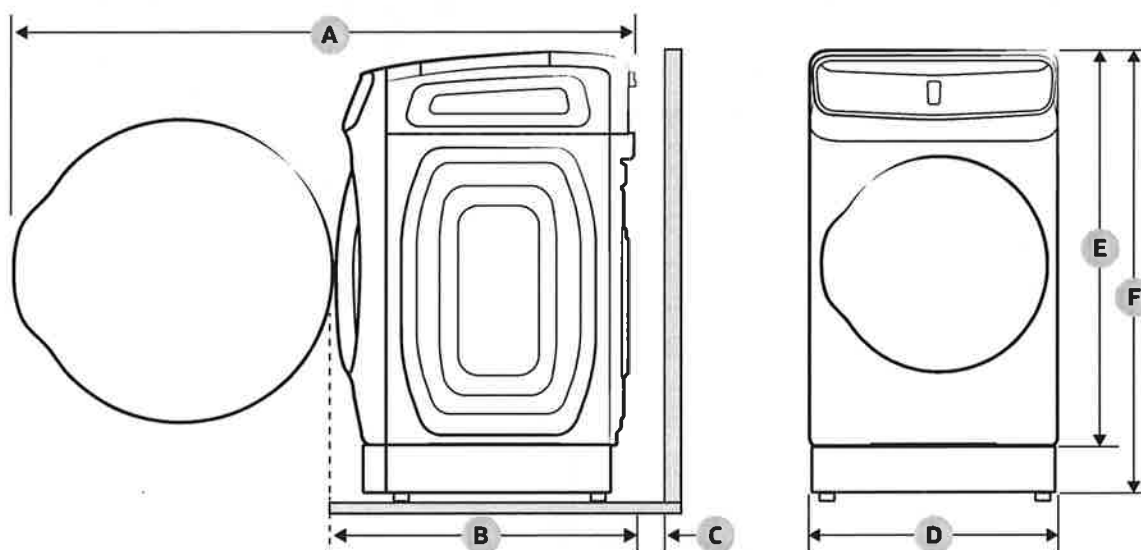
WARNING

- The dryer must be exhausted to the outside to reduce the risk of fire when installed in an alcove or closet.
- No other fuel-burning appliance should be installed in the same closet as the dryer.

Minimum clearances between the dryer and adjacent walls or other surfaces:

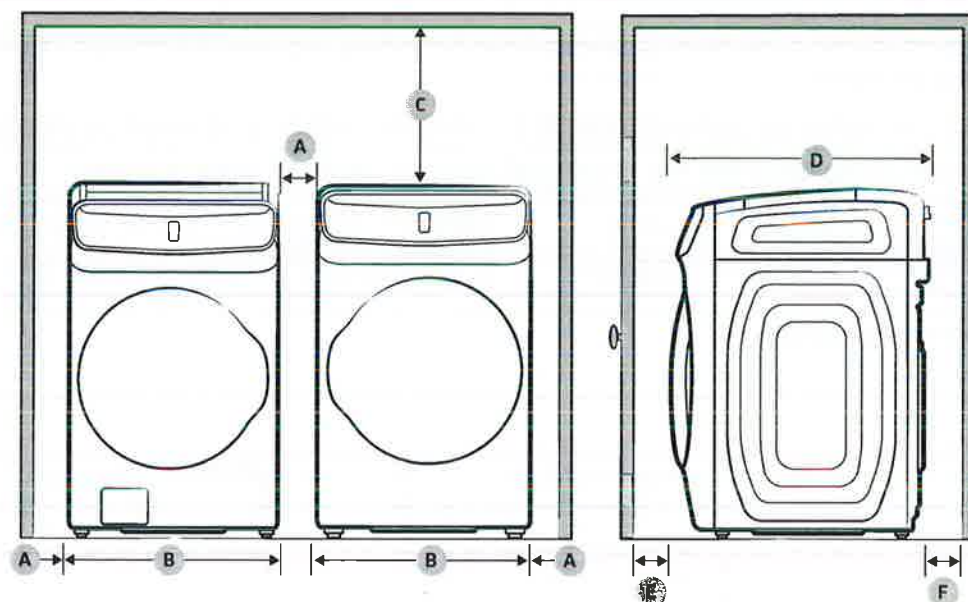
Sides	1 in. (25 mm)	Rear	6 in. (152 mm)
Top	21 in. (533 mm)	Closet front	2 in. (51 mm)

Installation with pedestal

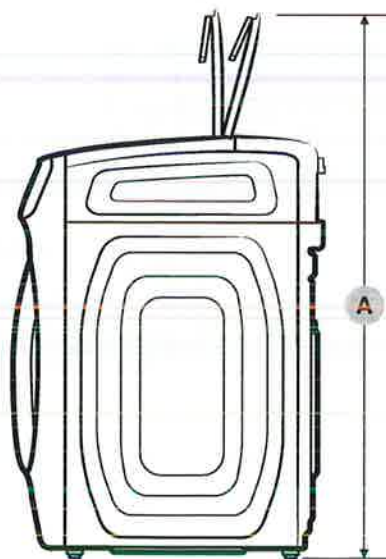


A	53.7 in. (1365 mm)	D	27 in. (686 mm)
B	32.5 in. (825 mm)	E	46.9 in. (1192 mm)
C	6 in. (152 mm)	F	52.2 in. (1326 mm)

Side by side installation



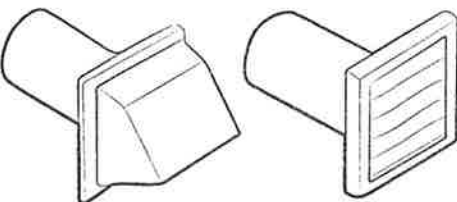
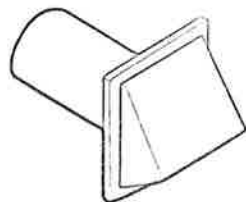
A	1 in. (25 mm)	D	32.5 in. (825 mm)
B	27 in. (686 mm)	E	2 in. (50 mm)
C	21 in. (533 mm)	F	6 in. (152 mm)



A	61 in. (1550 mm)
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Installation

Ducting requirements

	Recommended		Use only for short-run installation	
Weather hood type	 4" (10.2 cm)		 2.5" (6.4 cm)	
No. of 90° elbows	Rigid	Metallic flexible*	Rigid	Metallic flexible*
0	80 ft. (24.4 m)	41 ft. (12.4 m)	74 ft. (22.6 m)	33 ft. (10.1 m)
1	68 ft. (20.7 m)	37 ft. (11.2 m)	62 ft. (18.9 m)	29 ft. (8.8 m)
2	57 ft. (17.4 m)	33 ft. (10.1 m)	51 ft. (15.5 m)	25 ft. (7.6 m)
3	47 ft. (14.3 m)	29 ft. (8.8 m)	41 ft. (12.5 m)	21 ft. (6.5 m)

NOTE

* Use a 4-inch (10.2 cm) diameter rigid aluminum or galvanized steel duct.

If you integrate the dryer's vent system with an existing exhaust system:

- Make sure the exhaust system meets all applicable local, state, and national regulations.
- Verify you are not using flexible plastic duct.
- Make sure to check for and remove all lint buildup from inside the existing ducts.
- Confirm the duct is not kinked or crushed.
- Make sure the exhaust hood damper opens and closes freely.

Manometer measurements

The static pressure in any exhaust system must not exceed 0.83 inches of water column or be less than 0. Note that these values are measured with the dryer running with a manometer presented to the exhaust duct that connects to the dryer. The dryer drum must be empty and lint filter clean.

