JENN-AIR® 30" (76.2 cm) and 36" (91.4 cm) Retractable (Pop-Up) Downdraft Vent System

PRODUCT MODEL NUMBERS

JXDR7301V JXDR7361V

Electrical

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

LOCATION REQUIREMENTS

NOTE: Downdraft vent is installed directly behind the cooktop. Install the downdraft vent first, then install the cooktop.

IMPORTANT: Observe all governing codes and ordinances.

- Have a qualified technician install the downdraft vent. It is the installer's responsibility to comply with installation clearances specified on the model/serial rating plate. The model/serial rating plate is located on the front of the downdraft vent above the terminal box cover.
- Downdraft vent location should be away from strong draft areas, such as windows, doors, and strong heating vents or fans.
- Cabinet opening dimensions that are shown must be used. Given dimensions provide minimum clearance.
- Consult the cooktop manufacturer installation instructions before making any cutouts.

  Check that the downdraft vent and cooktop location will clear the cabinet walls, backsplash, and rear wall studs inside the cabinet.

  Check for the minimum distance between the front edge of the countertop and the front edge of the cooktop. The minimum horizontal distance between the overhead cabinets is the same as the width of the installed downdraft vent.
- All openings in ceiling and wall where the downdraft vent will be installed must be sealed.
- Grounded electrical outlet is required. See "Electrical Requirements" section.
- When installing the downdraft vent, the cabinet drawer will need to be removed and the drawer front installed permanently to the cabinet.

Cabinet Construction:

Downdraft vent is designed for use in a cabinet with a depth of 24" (61 cm). Some installations require a countertop deeper than 25" (63.5 cm). See the Countertop Cutout Dimensions section.

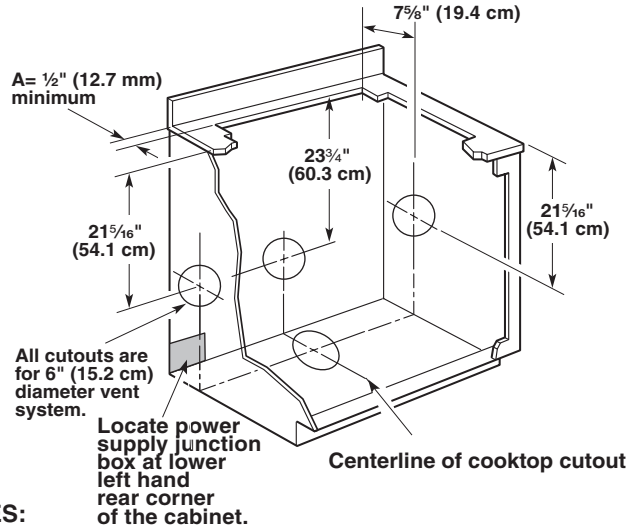
The maximum depth of the overhead cabinet is 13" (33 cm). Overhead cabinets installed at either side of the downdraft vent must be 18" (45.7 cm) above the cooking surface.

For Mobile Home Installations

The installation of this range hood must conform to the Manufactured Home Construction Safety Standards, Title 24 CFR, Part 328 (formerly the Federal Standard for Mobile Home Construction and Safety, title 24, HUD, Part 280) or when such standard is not applicable, the standard for Manufactured Home Installation 1982 (Manufactured Home Sites, Communities and Setups) ANSI A225.1/NFPA 501A*, or latest edition, or with local codes.

CABINET DIMENSIONS

Interior-mounted blower motor model

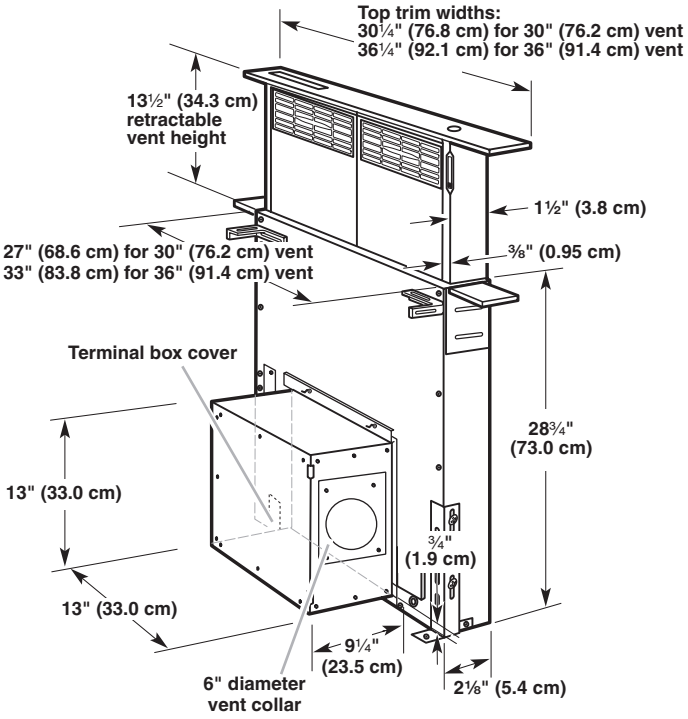


NOTES:

- See cooktop manufacturer's instructions for cooktop cutout depth and width.
- Use dimensions for vent system cutout location that applies to your installation.
- Interior mounted blower systems connect with 6" (15.2 cm) round vent. The cutout locations for this vent system will depend on your specific installation.

PRODUCT DIMENSIONS

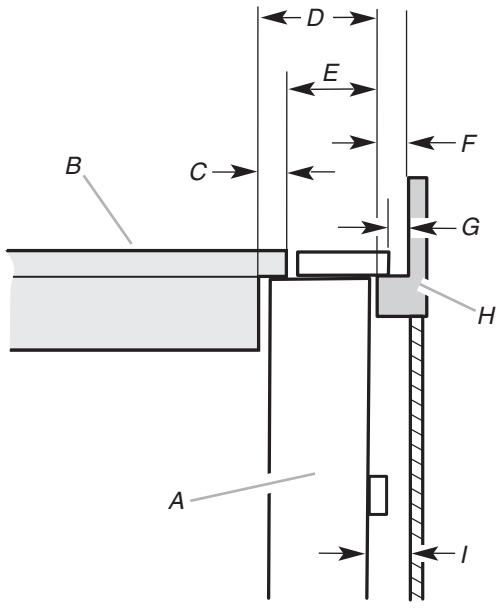
Interior-mounted blower motor model



COUNTERTOP CUTOUT DIMENSIONS

IMPORTANT: Countertops with a bull-nosed front edge are not recommended for these installations.

- Some models require a countertop deeper than 25" (63.5 cm); see the following Countertop Cutout Dimensions section.
- To avoid mistakes, it is recommended that the cooktop and vent cutouts be drawn on the countertop before making any cutouts.
- See Cooktop Installation Instructions for complete cutout dimensions, location dimensions and installation details.



A. Downdraft vent
B. Cooktop
C. Measurement of cooktop rear overhang
D. D = Measurement of cooktop rear overhang (C) + 1 13/16" [46.2 mm] (E)
E. 1 13/16" (46.2 mm)
F. ½" (12.7 mm) minimum
G. ¼" (6.4 mm) minimum
H. Countertop and backsplash
I. ½" (12.7 mm) minimum

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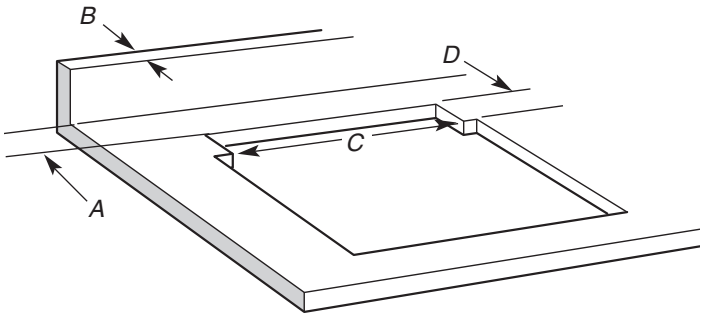
3/10/2010



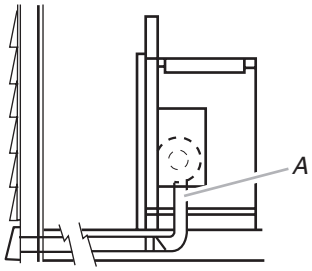
A. ½" (12.7 mm) minimum to backsplash or rear wall
B. ¾" (19.1 mm) maximum backsplash depth
C. 27½" (69.9 cm) on 30" (76.2 cm) models
33½" (85.9 cm) on 36" (91.4 cm) models
D. D = Measurement of cooktop rear overhang + 1 13/16" (46.2 mm)

VENTING METHODS - INTERIOR MOUNTED VENT MOTOR ONLY

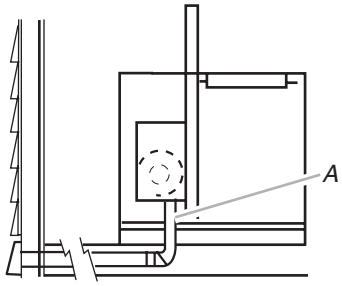
Determine which venting method is best for your application. Vent system can terminate through either the wall or floor.

Island location

Front (standard) mounted blower motor



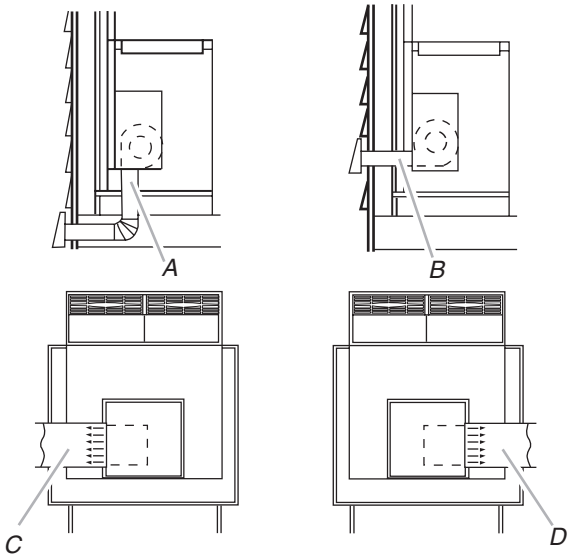
Rear mounted blower motor



A. Down vent

NOTE: For island locations, the blower motor can be mounted for right, left, or rear venting if needed for your application. Most island applications would still require the venting to be directed down through the floor.

Built-in cabinet locations

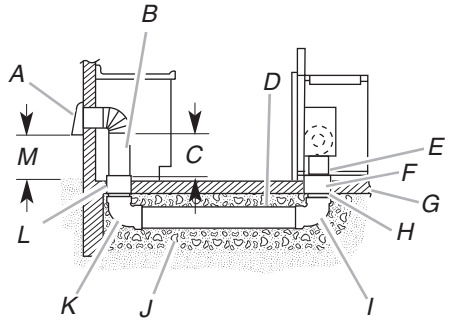


A. Down vent
B. Rear vent
C. Left vent
D. Right vent

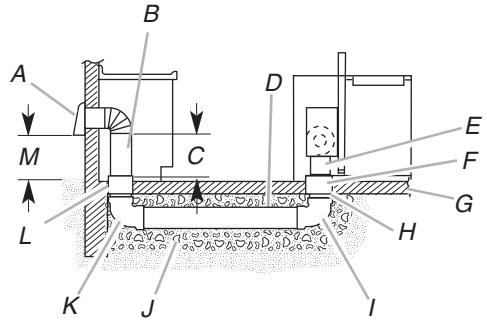
Island Location

Vent system installed under a concrete slab using PVC sewer pipe.

Front (Standard) Mounted Blower Motor



Rear Mounted Blower Motor



A. Wall cap
B. 6" (15.2 cm) round metal vent
C. 16" (40.6 cm) maximum
D. 6" (15.2 cm) round PVC sewer pipe
E. 6" (15.2 cm) round metal vent
F. 6" (15.2 cm) round PVC coupling
G. Concrete slab
H. 6" (15.2 cm) round PVC sewer pipe
I. 6" (15.2 cm) round 90° PVC sewer pipe elbow
J. Tightly pack gravel or sand completely around pipe.
K. 6" (15.2 cm) round 90° PVC sewer pipe elbow
L. 6" (15.2 cm) round PVC coupling
M. 12" (30.5 cm) minimum

Calculating Vent System Length

It is recommended that you use round vent instead of rectangular vent, especially if elbows are required. If rectangular vent is required, it should be transitioned to 6" (15.2 cm) round vent as soon as possible.

Maximum Length of Vent System

Vent	Length
6" (15.2 cm) round	35 ft (8.9 m)
3¼" x 10" (8.3 cm x 25.4 cm)	35 ft (8.9 m)

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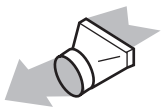
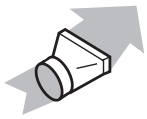
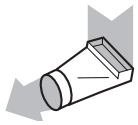
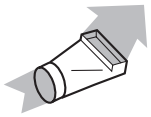
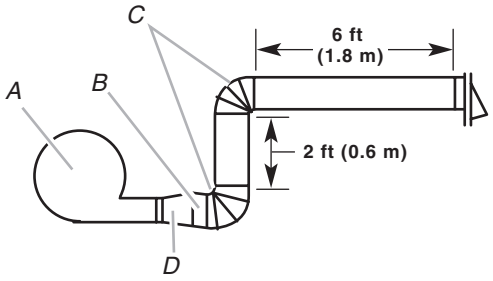
3/10/2010

Calculating Vent System Length

To calculate the length of the system you need, add the equivalent feet (meters) for each vent piece used in the system.

Vent Piece	6" (15.2 cm) Round	
45° elbow	2.5 ft (0.8 m)	
90° elbow	5.0 ft (1.5 m)	
6" (15.2 cm) wall cap	0.0 ft (0.0 m)	
3¼" x 10" (8.3 cm x 25.4 cm) to 6" (15.2 cm) transition	4.5 ft (1.4 m)	
6" (15.2 cm) to 3¼" x 10" (8.3 cm x 25.4 cm) transition	1 ft (0.3 m)	
3¼" x 10" (8.3 cm x 25.4 cm) to 6" (15.2 cm) 90° elbow transition	5.0 ft (1.5 m)	
6" (15.2 cm) to 3¼" x 10" (8.3 cm x 25.4 cm) 90° elbow transition	5.0 ft (1.5 m)	

Example vent system



A. Blower motor
B. Transition
C. 90° elbows
D. 6" backdraft damper (supplied)

The following example falls within the maximum vent length of 35 ft (8.9 m).

2 - 90° elbow	= 10.0 ft (3 m)
1 - wall cap	= 0.0 ft (0.0 m)
8 ft (2.4 m) straight	= 8.0 ft (2.4 m)
Transition	= 4.5 ft (1.4 cm)
Length of 6" (15.2 cm) system	= 22.5 ft (6.8 m)

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