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# INSTALLATION REQUIREMENTS

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## 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

- Level
- Drill with 1¼" (3.0 cm), ⅜" (9.5 mm), and ⅝" (7.9 mm) drill bits
- Pencil
- Wire stripper or utility knife
- Tape measure or ruler
- Pliers
- Caulking gun and weatherproof caulking compound
- Vent clamps
- Jigsaw or keyhole saw
- Flat-blade screwdriver
- Metal snips
- Phillips screwdriver
- Metric hex key set

### Parts needed

- Home power supply cable
- ½" (12.7 mm) UL listed or CSA approved strain relief
- 3 UL listed wire connectors

### For vented installations, you will also need:

- 1 wall or roof cap
- Metal vent system

### For non-vented (recirculating) installations, you will also need:

- Recirculation Kit Part Number W1027063 for non-vented (recirculating) installations only. See "Assistance or Service" section to order.
- Charcoal Filter Kit part number W1027068 for non-vented (recirculating) installations only. See "Assistance or Service" section to order.
- 6" (15.2 cm) diameter round metal vent duct - length required is determined by ceiling height.

### Parts supplied

Remove parts from packages. Check that all parts are included.

- Hood canopy assembly with ventilator and light bulbs installed
- Vent transition with back draft dampers installed
- Metal grease filter(s)
- Vent cover support bracket
- Mounting template
- 2-piece vent cover
- 4 - 3.5 x 9.5 mm screws
- 4 - 3.5 x 6.5 mm screws
- 2 - 2.9 x 6.5 mm screws
- 6 - 5 x 45 mm mounting screws
- 2 - 8 x 40 mm wall anchors
- 4 - 10 x 60 mm wall anchors
- 4 - 5.4 x 75 mm screws (for 10 x 60 mm wall anchors)
- T20® Torx®+ adapter

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## Location Requirements

**IMPORTANT:** Observe all governing codes and ordinances.

Have a qualified technician install the range hood. 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 behind the left filter on the rear wall of the vent hood.

Canopy hood location should be away from strong draft areas, such as windows, doors and strong heating vents.

Cabinet opening dimensions that are shown must be used. Given dimensions provide minimum clearance.

This range hood is recommended for use with cooktops with a maximum total rating of 65,000 BTUs or less.

Grounded electrical outlet is required. See "Electrical Requirements" section.

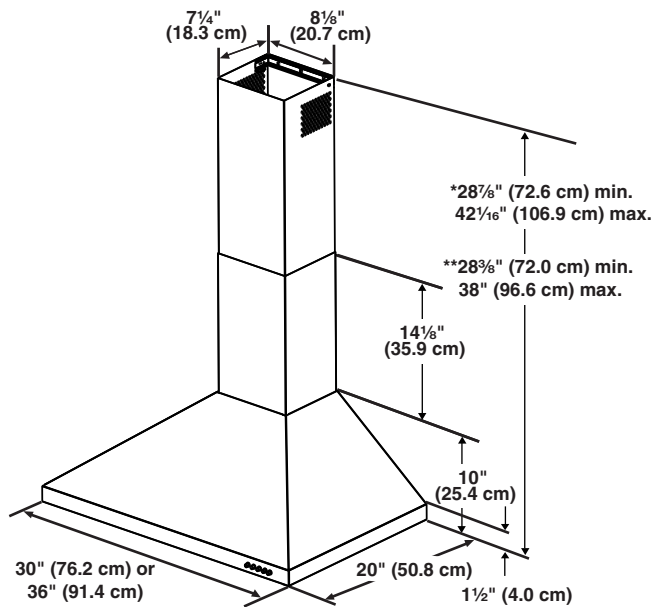
The canopy hood is factory set for venting through the roof or wall. For non-vented (recirculating) Installation see "For Non-vented (recirculating) Installations Only" in "Connect Vent System" section. The Recirculation Kit Part Number is W1027063. Charcoal filters are also required for non-vented (recirculating) installations. The Charcoal Filter Kit Part Number is W1027068. See the "Assistance or Service" section to order.

All openings in ceiling and wall where canopy hood will be installed must be sealed.

### 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.

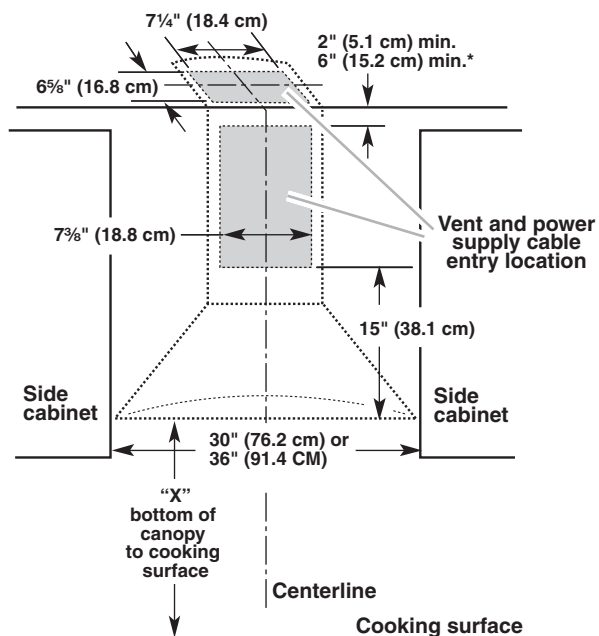
## Product Dimensions



\*For non-vented (recirculating) installations

\*\*For vented installations

## Cabinet Dimensions



\*For non-vented (recirculating) installations

### IMPORTANT:

Minimum distance "X": 24" (61.0 cm) from electric cooking surface.  
 Minimum distance "X": 27" (68.6 cm) from gas cooking surfaces.  
 Suggested maximum distance "X": 36" (91.4 cm).

The chimneys can be adjusted for different ceiling heights. See the following chart.

### Vented Installations

	Min. ceiling height	Max. ceiling height
Electric cooking surface	7' 5" (2.26 m)	9' 2" (2.79 m)
Gas cooking surface	7' 8" (2.34 m)	9' 2" (2.79 m)

### Non-vented (recirculating) Installations

	Min. ceiling height	Max. ceiling height
Electric cooking surface	7' 5" (2.26 m)	9' 6" (2.9 m)
Gas cooking surface	7' 8" (2.34 m)	9' 6" (2.9 m)

**NOTE:** The range hood chimneys are adjustable and designed to meet varying ceiling or soffit heights depending on the distance "X" between the bottom of the range hood and the cooking surface. For higher ceilings, a Stainless Steel Chimney Extension Kit Part Number W10337357 is available from your dealer or an authorized parts distributor. The chimney extension replaces the upper chimney shipped with the range hood.

## Venting Requirements (vented models only)

- Vent system must terminate to the outdoors, except for non-vented (recirculating) installations.
- Do not terminate the vent system in an attic or other enclosed area.
- Do not use 4" (10.2 cm) laundry-type wall cap.
- Use metal vent only. Rigid metal vent is recommended. Plastic or metal foil vent is not recommended.
- The length of vent system and number of elbows should be kept to a minimum to provide efficient performance.

### For the most efficient and quiet operation:

- Use no more than three 90° elbows.
- Make sure there is a minimum of 24" (61 cm) of straight vent between the elbows if more than 1 elbow is used.
- Do not install 2 elbows together.
- Use clamps to seal all joints in the vent system.
- The vent system must have a damper. If the roof or wall cap has a damper, do not use the damper supplied with the range hood.
- Use caulking to seal exterior wall or roof opening around the cap.
- The size of the vent should be uniform.

### Cold Weather Installations

An additional back draft damper should be installed to minimize backward cold air flow and a thermal break should be installed to minimize conduction of outside temperatures as part of the vent system. The damper should be on the cold air side of the thermal break.

The break should be as close as possible to where the vent system enters the heated portion of the house.

## Makeup Air

Local building codes may require the use of makeup air systems when using ventilation systems greater than specified CFM of air movement. The specified CFM varies from locale to locale. Consult your HVAC professional for specific requirements in your area.

### Venting Methods

This canopy hood is factory set for venting through the roof or wall.

A 6" (15.2 cm) round vent system is needed for installation (not included). The hood exhaust opening is 6" (15.2 cm) round.

**NOTE:** Flexible vent is not recommended. Flexible vent creates back pressure and air turbulence that greatly reduce performance.

Vent system can terminate either through the roof or wall. To vent through a wall, a 90° elbow is needed.

### Rear Discharge

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

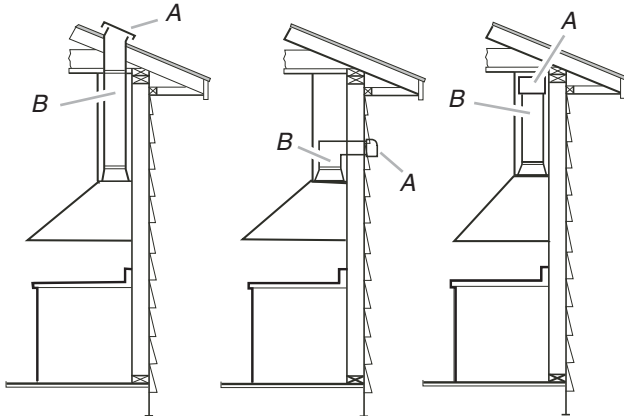
### For Non-Vented (Recirculating) Installations

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

#### Roof Venting

#### Wall Venting

#### Non-Vented (Recirculating)





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

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

A. Deflector  
B. 6" (15.2 cm) round vent

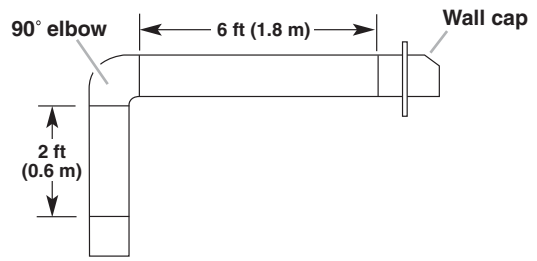
### Calculating Vent System Length

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

Vent Piece	6" (15.2 cm) Round	
45° elbow	2.5 ft (0.8 m)	
90° elbow	5.0 ft (1.5 m)	

Maximum equivalent vent length is 35 ft (10.7 m).

## Example Vent System



The following example falls within the maximum recommended vent length of 35 ft (10.7 m).

1 - 90° elbow	= 5.0 ft (1.5 m)
1 - wall cap	= 0.0 ft (0.0 m)
8 ft (2.4 m) straight	= 8.0 ft (2.4 m)
Length of system	= 13.0 ft (3.9 m)

## Electrical Requirements

Observe all governing codes and ordinances.

Ensure that the electrical installation is adequate and in conformance with 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.

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.

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

- A 120 volt, 60 Hz., AC only, 15-amp, fused electrical circuit is required.
- If the house has aluminum wiring, follow the procedure below:

1. Connect a section of solid copper wire to the pigtail leads.
2. Connect the aluminum wiring to the added section of copper wire using special connectors and/or tools designed and UL listed for joining copper to aluminum.

Follow the electrical connector manufacturer's recommended procedure. Aluminum/copper connection must conform with local codes and industry accepted wiring practices.

- Wire sizes and connections must conform with the rating of the appliance as specified on the model/serial/rating plate. The model/serial/rating plate is located behind the left filter on the rear wall of the range hood.
- Wire sizes must conform to the requirements of 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.

## Make Electrical Connection

### **⚠ WARNING**



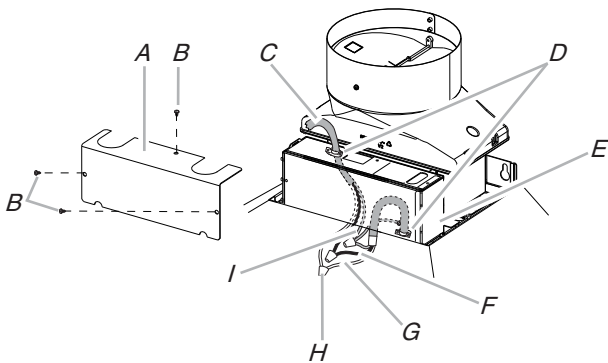
#### Electrical Shock Hazard

**Disconnect power before servicing.**

**Replace all parts and panels before operating.**

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

1. Disconnect power.
2. Remove terminal box cover.
3. Remove the knockout in the terminal box and install a UL listed or CSA approved ½" strain relief.
4. Run home power supply wiring through ½" strain relief into terminal box.



A. Terminal box cover  
B. Screws  
C. Home power supply  
D. ½" UL listed or CSA approved strain relief  
E. Terminal box

F. Black wires  
G. White wires  
H. UL listed wire connectors  
I. Green (or bare) wires connected to yellow-green wires

5. Use UL listed wire connectors and connect white wires (B) together.
6. Use UL listed wire connectors and connect black wires (C) together.

### **⚠ WARNING**



#### Electrical Shock Hazard

**Electrically ground blower.**

**Connect ground wire to green and yellow ground wire in terminal box.**

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

7. Connect green (or bare) ground wire from home power supply to the 2 yellow-green ground wires (D) in terminal box using UL listed wire connectors.

8. Tighten strain relief screw.
9. Install terminal box cover.
10. Reconnect power.

### Optional Power Cord Kit Installations

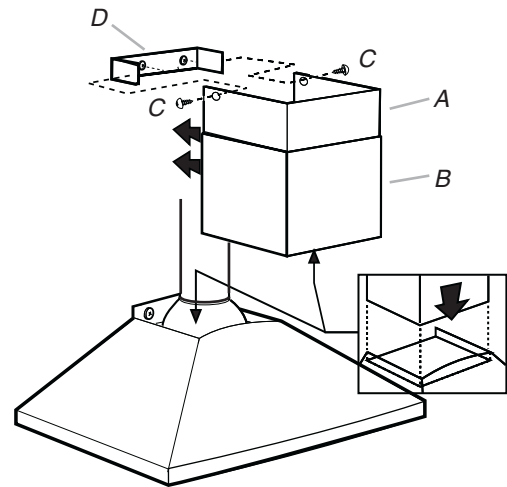
For optional power cord kit installations, follow the instructions supplied with the power cord kit. See the "Assistance or Service" section for information on ordering.

**NOTE:** Use only with range hood cord connection kits that have been investigated and found acceptable for use with this model range hood.

### Install Vent Covers

1. When using both upper and lower vent covers, push lower cover down onto hood and lift upper cover to ceiling and install with (2) 2.9 x 6.5 mm screws.

**NOTE:** For vented installations, the upper vent cover may be reversed to hide slots.



A. Upper vent cover  
B. Lower vent cover  
C. 2.9 x 6.5 mm screws  
D. Bracket

### Complete Installation

1. For non-vented (recirculating) installations only, install charcoal filters over grille on blower housing. See the "Range Hood Care" section.
2. Install metal filters. See the "Range Hood Care" section.
3. Check the operation of the range hood blower and light. See the "Range Hood Use" section.

**NOTE:** To get the most efficient use from your new range hood, read the "Range Hood Use" section.