KitchenAid® 30", 36" and 48" (76.2 cm, 91.4 cm and 121.9 cm) Commercial Style Wall-Mount Canopy Range Hood

PRODUCT MODEL NUMBERS

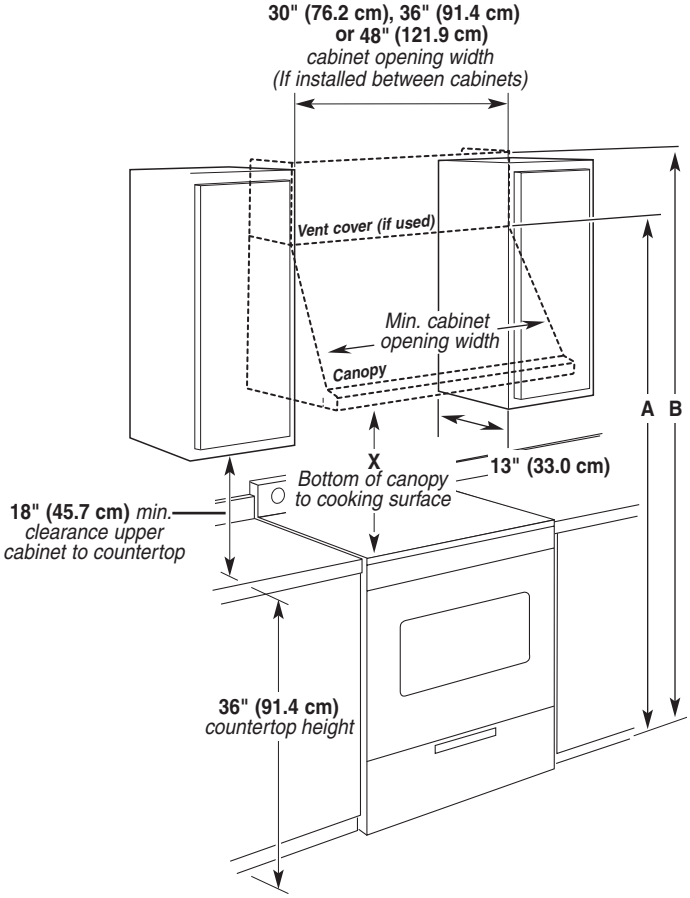
KXW8730Y KXW8736Y KXW8748Y

Electrical Requirements:

- 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.

INSTALLATION DIMENSIONS



A. For installations with canopy only:
78" (198.1 cm) minimum above electric cooking surface
84" (213.4 cm) minimum above gas cooking surface

B. For installations with optional duct cover:
90" (228.6 cm) minimum above electric cooking surface
96" (243.8 cm) minimum above gas cooking surface

IMPORTANT:

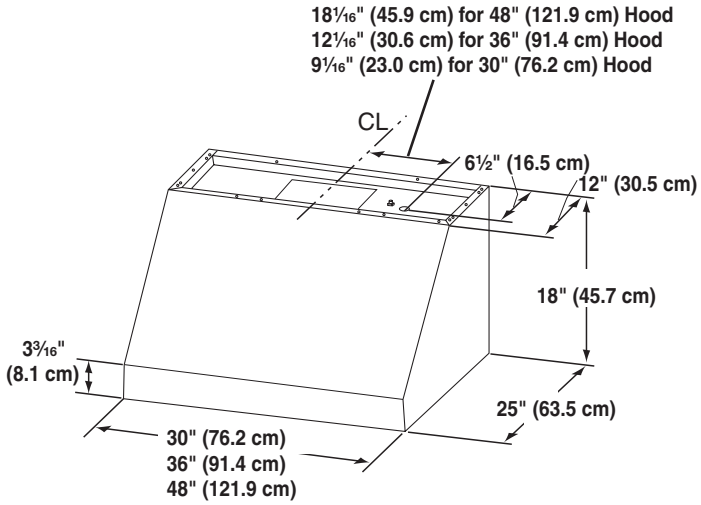
Minimum distance "X": 24" (61 cm) from electric cooking surfaces

Minimum distance "X": 30" (76.2 cm) from gas cooking surfaces

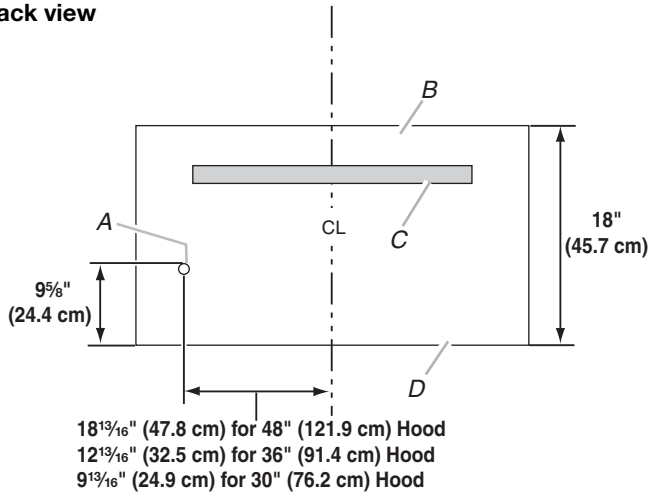
Suggested maximum distance "X": 36" (91.4 cm)

PRODUCT DIMENSIONS

Front view

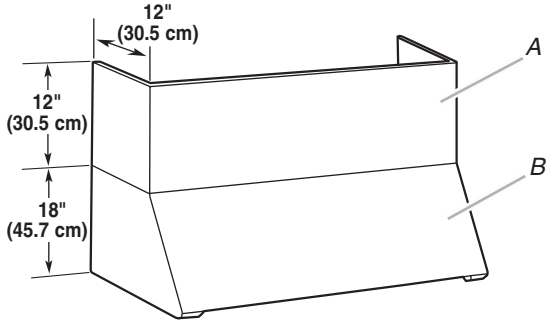


Back view



A. Knockout into terminal box
B. Top of hood
C. Wood support
D. Bottom of hood

Optional Full-Width Duct Cover Installations



A. Optional full-width duct cover
B. Range hood

Ref. W10331007B
3/30/11

VENTING REQUIREMENTS

- Vent system must terminate to the outdoors.
- Do not terminate the vent system in an attic or other enclosed area.
- Do not use 4" (10.2 cm) laundry-type wall caps.
- 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" (61.0 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.

Venting Methods

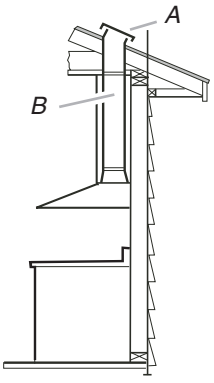
Typical Internal Blower Motor System Venting Installations

A 10" (25.4 cm) round vent system is needed for installation (not included). The hood exhaust opening is 10" (25.4 cm) round.

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

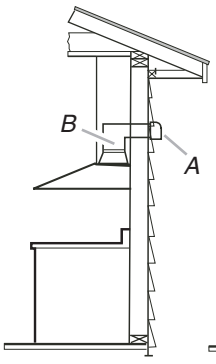
Vent system can terminate either through the roof or wall.

Roof Venting



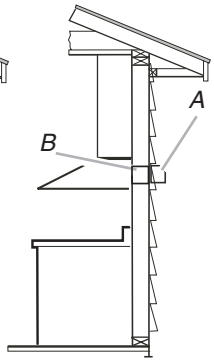
A. Roof cap
B. 10" (25.4 cm) round vent

Wall Venting



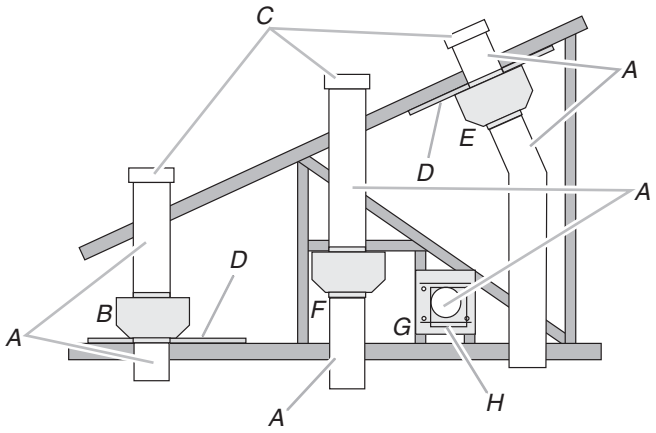
A. Wall cap
B. 10" (25.4 cm) round vent

Wall Venting



A. Wall cap
B. 10" (25.4 cm) round vent

Typical In-line Blower Motor System Venting Installations



A. 10" (25.4 cm) round vent
B. Mount on top of ceiling joists.
C. Roof caps
D. Plywood (optional for some installations)
E. Mount on underside of roof rafters.
F. Mount from cross-members tied to trusses.
G. Duct horizontal; mount to cross-members tied to trusses.
H. Wall cap

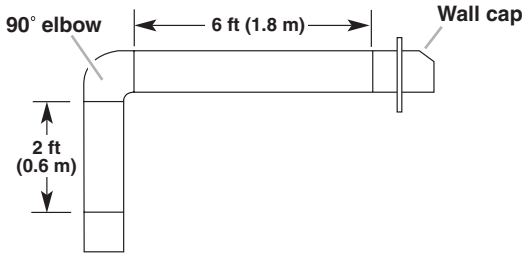
Calculating Vent System Length

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

Vent Piece	Equivalent Length	
45° elbow	2.5 ft (0.8 m)	
90° elbow	5.0 ft (1.5 m)	

The maximum equivalent vent lengths are:
10" (25.4 cm) round vents - 60 ft (18.3 m)

Example vent system



The following example falls within the maximum recommended vent length.

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)

Ref. W10331007B
3/30/11