



Read and Save These Instructions
All Hoods Must Be Installed By A Qualified Installer

INSTALLATION INSTRUCTIONS

CIEH6-K ISLAND RANGE HOOD

Read All Instructions Thoroughly Before Beginning Installation

WARNING - TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- A. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction. Switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally during installation.**
- B. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.**
- C. Ducted fans must always be vented to the outdoors.**
- D. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and local code authorities.**
- E. ASHRAE residential ventilation standard 62.2 limits exhaust fans (total) to a maximum of 15 CFM per 100 square feet of occupiable space, unless a back drafting test is performed or make-up air is provided. Consult a local HVAC engineer for make-up air evaluation.**

WARNING - TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK

Vent-A-Hood®

Ducting Do's and Don'ts

General Requirements

- Observe local codes regarding special duct requirements and placement of duct against combustibles.
- Using Vent-A-Hood transitions (back page) will ensure proper efficiency.
- Using Vent-A-Hood roof jacks or wall louvers (back page) will ensure proper efficiency.
- Where possible, seal joints with HVAC foil tape.
- The hood must be ducted to the outdoors without restrictions.

Blower Requirements

- The K250 blower unit requires 7" round duct or equivalent (32.5 square inches).

Blower	Duct Size	Sq. Inch Area	Vent-A-Hood Transition
K250	3 1/4" x 10" or equivalent	32.5 sq. in.	VP521 (Optional)

Ducting Requirements

- NEVER reduce the duct size.
- Do not use flexible or corrugated duct. This type of duct will restrict airflow and reduce performance.
- Only use smooth, galvanized, metal duct.
- Make the duct run as short and as straight as possible with as few turns as possible.
- Avoid sharp-angled turns. Instead, use smooth, gradual turns such as adjustable elbows or 45 degree angled turns.
- For duct runs over 20 feet, increase the duct diameter by one inch for every ten feet of duct.
- A 90 degree elbow is equal to 5 feet of duct.

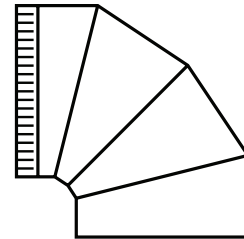
Termination Requirements

- Airflow must not be restricted at the end of the duct run.
- A wall louver or roof jack is required for each duct run.
- Every wall louver or roof jack must include a gravity damper to prevent back drafts.
- Do not use screen wire or spring-loaded doors on wall louvers or roof jacks.
- Do not terminate venting into an attic or chimney.

YES

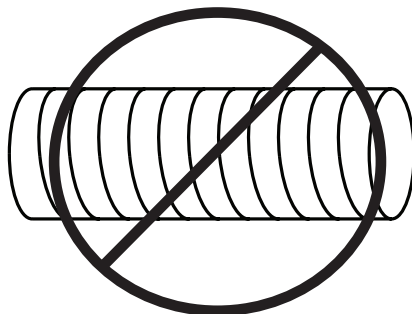


Smooth Duct

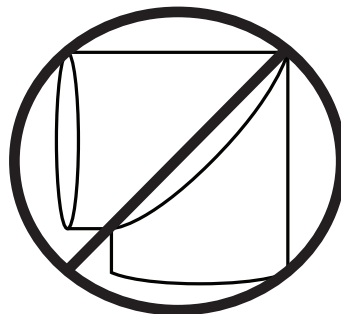


Smooth Gradual Turn

NO



Flexible Duct

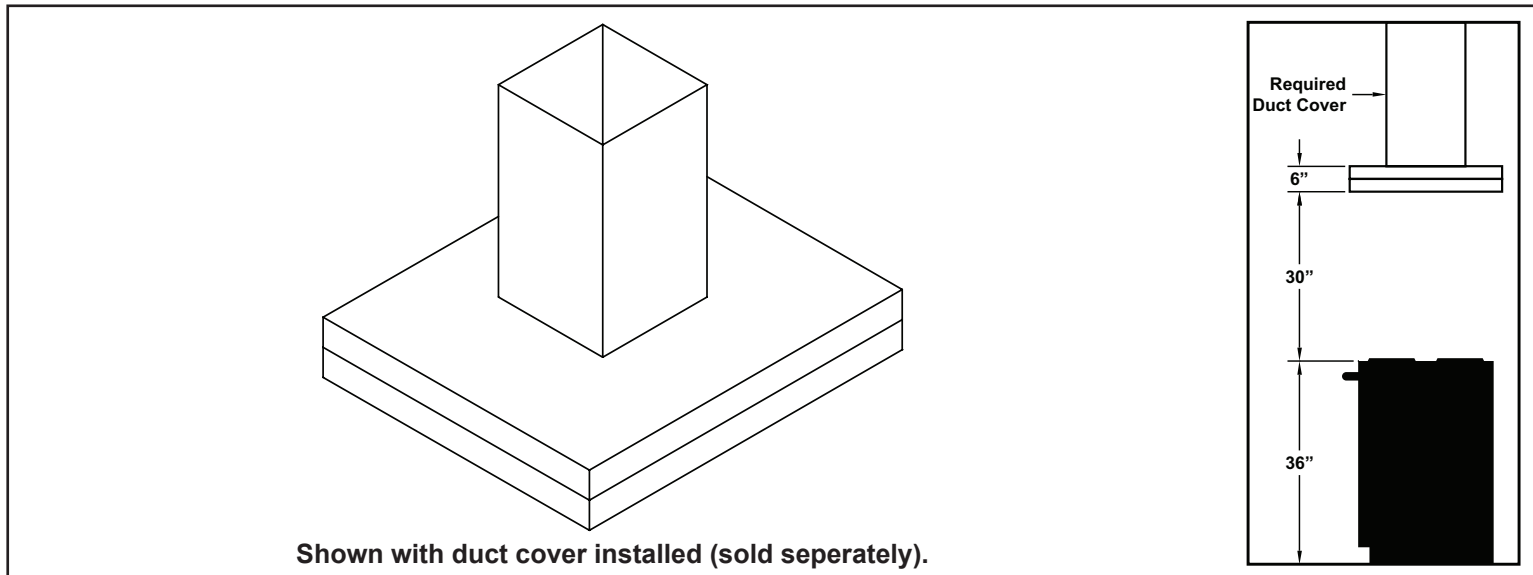


Sharp Angled Turns

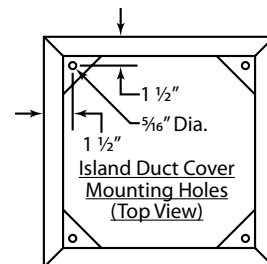
Vent-A-Hood®

Installation Details

- 1) Read all instructions thoroughly before beginning installation. Note: These instructions apply to standard hoods only. Custom hoods may require additional specification consideration.
- 2) When installing a CIEH6-K island hood, it is recommended that the bottom edge of the hood be located no more than 30" above the cooking surface for optimum performance.



- 3) Load-bearing framework in the ceiling is necessary for installation. Additional framework construction may be required. Do not attach an island hood to a structure that cannot support twice the weight of the hood.
- 4) Remove the duct cover from its packaging and remove the hood mounting screws from the base of the duct cover. Remove the duct cover front panel. The panel is held in place with four snaps, one at each corner, and at least one snap on the left and right. Begin by pulling the panel away at one corner. Work around the panel disengaging one snap at a time until all the snaps are loose. Beware of sharp corners and edges. Use caution to prevent bending, scratching or dropping the panel.
- 5) Install the duct cover to the load-bearing framework in the ceiling using appropriate hardware through the four inside corner mounting flanges on the top of the duct cover.
- 6) Install the duct from the outside of the home down to the location of the exhaust outlet on the top of the hood plus 1". This will allow the exhaust outlet to engage 1" inside of the duct. Consult the connection diagrams (on next page) for further details on exhaust outlet placement.



Use HVAC foil tape to seal all joints. A complete listing of available Vent-A-Hood ducting materials is provided on the back page of this instruction sheet.

Transition heights are as follows:

K250 Island Blower:

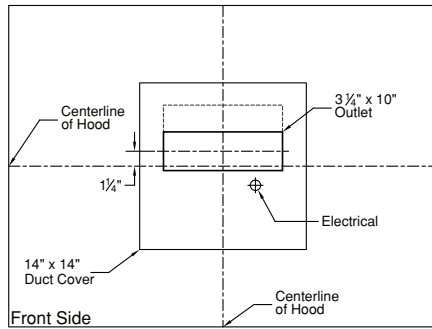
3-1/4" x 10" duct will connect directly to the exhaust outlet of the hood. Optional VP521 transition to 7" round (sold separately) is 7 1/2" tall.

- 7) Prepare a protective surface on the floor or countertop for the hood. Remove the hood from its packaging and place it on the protective surface bottom side down.

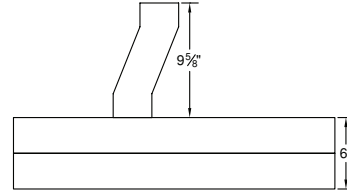
Vent-A-Hood®

Installation Details Continued

Connection Diagram (36" - 42" Widths)



**250 CFM K250 Blower
(Top View)**



(Side View)

Warning: Make sure power is off and locked at the service disconnecting means on the service panel during installation.

- 8) Install an appropriate 1/2" UL listed electrical wire clamp through the electrical strap on top of the hood deck. Install electrical wiring from the service panel to the hood location. Consult the connection diagrams (above) for further details on electrical placement.

Model	Volts	Amps	Hz	RPM	CFM SP@0.0"	Equivalent CFM*	CFM SP@0.1"	CFM SP@0.2"	CFM SP@0.3"	Minimum Round Duct Size	Sones#
K250 (Top Vent)	115	3.5	60	1550	250	375	223	220	190	7" (38 in. ²)	7.4

* Because the Power Lung® blower uses centrifugal filtration rather than conventional baffle or mesh filters, the Power Lung® blower can handle cooking equipment with higher cubic feet per minute (CFM) requirements and can deliver equivalent CFM much more efficiently than other filtration systems. When comparing the Power Lung® with other blower units made by other manufacturers, use the "Equivalent CFM".

Ratings in accordance with the Standard Test Code by the Energy Systems Laboratory of the Texas Engineering Experiment Station.

- 9) While taking care to properly align the duct connection between the hood exhaust outlet and the duct in the ceiling, raise the hood to its final position and attach it to the duct cover from inside the hood using the screws previously removed in Step 4. Use HVAC foil tape to seal the joint between the hood exhaust outlet and the duct in the ceiling.
- 10) From above the hood, feed the electrical wire into the wire clamp. Tighten the wire clamp. Using UL listed wire nuts, attach the "neutral" wire to the white lead, the "hot" wire to the black lead, and the ground wire to the green lead within the duct cover space above the hood.

Warning: Do not operate hood without proper ground connection.

- 11) Replace the duct cover front panel by aligning the snaps and pressing each snap into position.
- 12) Refer to the Owner Maintenance Guide Operating Instructions for proper hood operation. Test all blower and light functions to ensure they are operating properly.

VENTING



ACCESSORIES

WALL LOUVER

MODEL: VP527 DIM: 7" Round

RECTANGULAR WALL LOUVER

MODEL: VP560 DIM: 3 1/4" x 10"

LOW PROFILE ROOF JACK (MAXIMUM 4/12 PITCH)

MODEL: VP540 DIM: 7" Round

LOW PROFILE ROOF JACK (MINIMUM 4/12 PITCH)

MODEL: VP540-HP DIM: 7" Round

ADJUSTABLE ELBOW

MODEL: VP514 DIM: 7" Round

3 1/4" x 10" TO 7" TRANSITION

MODEL: VP521 DIM: 3 1/4" x 10" to 7"

3 1/4" x 10" BACK VENT ELBOW

MODEL: VP559 DIM: 3 1/4" x 10"

ROUND DUCT PIPE

MODEL: VP501 DIM: 7" Round

3 1/4" RECTANGULAR DUCT PIPE

MODEL: VP504 DIM: 3 1/4" x 10"