



**INSTALLATION INSTRUCTIONS**  
**XL Professional**  
**Wall Mount Hood Liner With ABBAKA Internal Ventilators**

**PLEASE READ & SAVE THESE INSTRUCTIONS**

ALL HOODS MUST BE INSTALLED BY A QUALIFIED INSTALLER OR SERVICE AGENCY

*WARNING - TO REDUCE RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSON, 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 disconnection 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. All hoods must always exhaust 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. Local building codes may require the use of make-up air. Consult your local HVAC professional for specific requirements in your area. 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 state, municipal and local code authorities. The correct voltage, frequency and amperage must be supplied to the appliance from a dedicated, grounded circuit which is protected by a properly sized circuit breaker or time delay fuse.

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

INSTALLER: Please retain these instructions for reference, then leave them with the homeowner.

HOMEOWNER: please read and keep the instructions for future reference.

If you have questions concerning the installation of this product, call ABBAKA at (800) 548-3932.

Tel. (800) 548-3932 - Fax (800) 548-3930 - [webmail@abbaka.com](mailto:webmail@abbaka.com) - [www.abbaka.com](http://www.abbaka.com)

P.O. Box 215., Bodega Bay, CA 94923

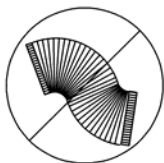


## DUCTING & VENTING XL PROFESSIONAL HOOD LINER WITH ABBAKA INTERNAL VENTILATORS

In order for the XL Professional Hood Liner to operate properly, it must be sized correctly, have adequate CFM capacity, be hung properly (centered over cooktop and close enough to burners) and be vented correctly. Use this guide for reference.



Use proper sized smooth galvanized ductwork.



**Do not use flexible duct.**

Ribbing creates resistance to airflow, reducing exhaust efficiency.



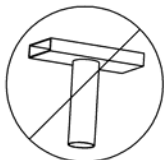
**Do not space elbows closer than 4' to each other.**

Do not make "S" turns or double elbows anywhere in duct run.



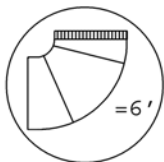
**Do not reduce suggested minimum size anywhere in duct run.**

Even in wall louvers and roof jacks.



**Make gradual turns in duct run.**

Do not turn sharp corners. Air cannot make 90° turns.



**Maximum number of elbows in a duct run is 2.**

Each elbow is equal to 6' of duct run.



Use the **shortest and straightest** duct run possible.

Maximum duct run is 51', including elbows.

Ductwork joints must be sealed and run upstream. In-hood backdraft damper must be used. In cold climates, insulate the ductwork in cold spaces to prevent moisture condensation, which can run down the ductwork into the cabinet below. A thermal break may be required.

## Decorative Hoods

The XL Professional hood liner is for use with custom wood hoods, mantles, arches, alcoves, tile or stucco-formed hoods.

The bottom depth and width of the XL Liner must fit and mate with the bottom interior dimensions of the decorative hood enclosure. The shape of the decorative hood is not critical. The only place where the XL Liner and the outside enclosure must meet is at the bottom edge of the metal liner.

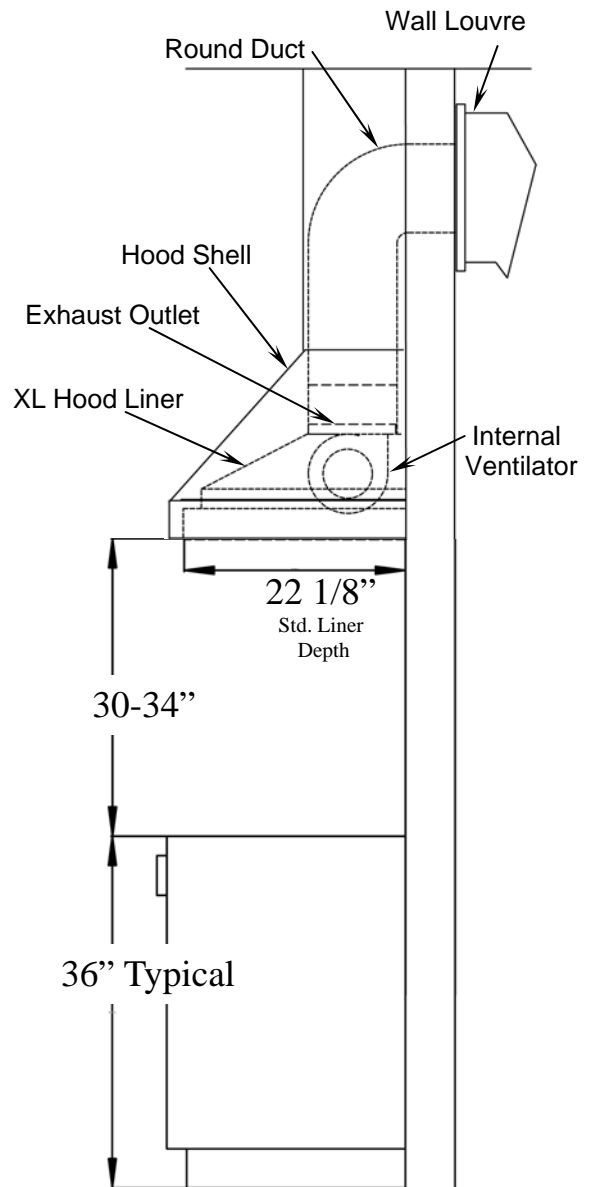
Wood hoods can be out of square. Always measure inside depth and width in multiple locations and use the minimum dimensions to verify liner specifications.

The height of the liner does not have to be the same as the height of the decorative hood.

Standard height of the XL Liner with internal ventilator is 16", the top width and depth vary. Measure the interior depth and width of the decorative hood 16" up from the bottom to ensure that the liner will fit. The liner comes standard with a 3" tall bottom apron. Be sure to include this dimension in consideration of the decorative hood enclosure.

## Liner Installation

- 1) Read all instructions thoroughly before beginning installation.
- 2) When installing the decorative hood to the wall, begin by measuring 36" up from the floor (standard counter top height). It is recommended that the distance from the cooking surface to the bottom of the hood liner be 30" to 34". The liner should mount flush with and be attached to the decorative hood along the bottom edge.
- 3) If the back of the XL Liner is to attach directly to the wall, wood wall framing must be constructed, centered over the desired installation location and provide enough strength to support the weight of the hood liner. Remove filters and motor (s) to gain access to the liner back. Drill wall mounting holes through liner back wall using cobalt drill bit.
- 4) Pre-install the duct from the outside of the home to the liner. Use sheet metal screws and metal foil tape to connect and seal all joints. Run the duct down to the liner exhaust outlet





## Connecting Electrical & Installation of XL Liners With Abbaka Internal Ventilators

### Electrical Specifications

---

Single Motor (600 CFM) <i>Requires 8" Round Duct</i>	Type Shaded Pole, 115V, 4 Amps, 60 HZ Variable Speed motor control switch provided. NOTE: Requires (3) #14 wires for connection between incoming power and in-hood motor speed control.
2-Blower (1200 CFM) <i>Requires 10" Round Duct</i>	Type Shaded Pole, 115V, 8 Amps, 60Hz. Variable Speed motor control switch provided. NOTE: Requires (3) #14 wires for connection between incoming power and in-hood motor speed control.
Lighting	115VAC, single phase, 60Hz; 2-way, single phase; Control: rocker switch, 20 Amp, 125 VAC; Lamp: 35 watt, line voltage quartz halogen (wall hoods 3-5 lamps; island hoods 6-8 lamps)
Circuit:	15 amp circuit required. Recommended to dedicate the circuit.

NOTE: Power cables, power connectors, conduit, etc. are not supplied.

**Warning:** The XL Liner must be properly grounded. All wiring must be performed by a qualified electrician in accordance with all applicable national and local electrical codes. Before servicing or cleaning, switch power off at service panel and lock service disconnecting means to prevent power from being accidentally turned on.

- 1) A 15A circuit is required for installation. It is recommended to dedicate the circuit.
- 2) Run three wires: # 14 AWG (black, white and green) in conduit from service panel to hood. Make the electrical "whip" long enough to reach to the countertop below the installed hood.
- 3) Position hood liner on counter below hood.
- 4) Remove Light/Control Switch Panel and Screw Covering Panel from liner
- 5) Remove filters from liner
- 6) Unplug blower harness (es) located at the upper right of each motor.
- 7) Unscrew blower motor mounted plate (s) from "ceiling" of liner and set aside.
- 8) Feed conduit from service panel into knock out labeled "Power Supply" and secure with appropriate connector.
- 9) Lift liner up into hood, reaching up through exhaust outlet and guide liner to mate with previously installed ductwork. Attach liner to decorative hood with # 8 x 1/2" Phillips head sheet metal screws supplied. Secure exhaust outlet collar to ductwork with sheet metal screws and seal joint with metal foil tape.
- 10) Lift Light/Control Switch Panel up to liner and connect black wire from service panel to black, white to white and green to green.
- 11) Secure Light/Control Switch Panel to liner wall with screws supplied.
- 12) Reattach mounted blower plates (s) to ceiling of liner.
- 13) Re-plug blower (s) harness (es) to connections at top right of motor (s).