

MODEL	FRONT TO BACK	WIDTH	CFM	INTERNAL BLOWER
HVC390SS	11 1/4"	20 1/2"	390	✓
HVC600SS	14 7/8"	27 11/16"	600	✓



*** ATTENTION ***

Before beginning installation, please thoroughly read and become familiar with these instructions. Installation and service must be completed by a qualified installer. Failure to properly install this product may void the warranty.

Installer: Please leave Installation Instructions with the Power Pack Ventilator
Owner: Please keep Installation Instructions for local electrical inspector's use and for future reference.

-  **WARNINGS:** Must be followed carefully to avoid personal injury.
-  **IMPORTANT:** Must be followed carefully to avoid damage and incorrect installation.
-  **TIPS:** Contains helpful information to facilitate installation.

READ AND SAVE THESE INSTRUCTIONS

-  **WARNING! TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK, OR INJURY TO PERSONS OBSERVE THE FOLLOWING:**
 - a) Use this unit only in the manner intended by the manufacturer. If you have any questions, please contact the manufacturer at the address or telephone number listed in the warranty.
 - b) Before servicing or cleaning unit, switch power off at service panel, lock service panel, and lock the service disconnection means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
-  **CAUTION:** For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
-  **WARNING! TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:**
 - a) Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.

- b) Always turn hood ON when cooking at high heat or when flambeing food (i. e. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambe').
- c) Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
- d) Use proper pan size. Always use cookware appropriate for the size of the surface element.

 WARNING! TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE GREASE FIRE, OBSERVING THE FOLLOWING:

- a) Smother flames with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. Be careful to prevent burns. **If the flames do not go out immediately, evacuate and call the fire department.**
- b) **Never pick up a flaming pan -- you may be burned.**
- c) **Do not use water**, including wet dishcloths or towels. A violent steam explosion will result.
- d) Use an extinguisher, only if:
 - 1. You know you have a Class ABC extinguisher and you already know how to operate it.
 - 2. The fire is small and contained in the area where it started.
 - 3. The fire department is being called.
 - 4. You can fight the fire with your back to an exit.

 RECOMMENDATIONS:

- 1. Consult a licensed ventilation contractor or qualified technician for proper installation of exhaust ducting. Locate the cooking area for minimum cross drafts-away from doors and windows, when possible.
- 2. Ducts must be of adequate size and duct runs should be as short as possible. Where turns are necessary, keep turning radius as large and as smooth as possible.
- 3. The ducting must be air tight. Use a minimum of 2 sheet metal screws at every duct joint. Then, seal the duct joints with high quality duct tape.
- 4. This unit must be grounded.

INSTALLATION INSTRUCTIONS

 WARNING! TO REDUCE THE RISK OF FIRE, ELECTRICAL 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 codes and standards.
- b) Sufficient air is needed for proper combustion and exhausting of gasses through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guidelines 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 the local code authorities.
- c) When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- d) Ducted fans must always be vented to the outdoor.
- e) Do Not Use This Fan With Any Solid-State Speed Control Device.

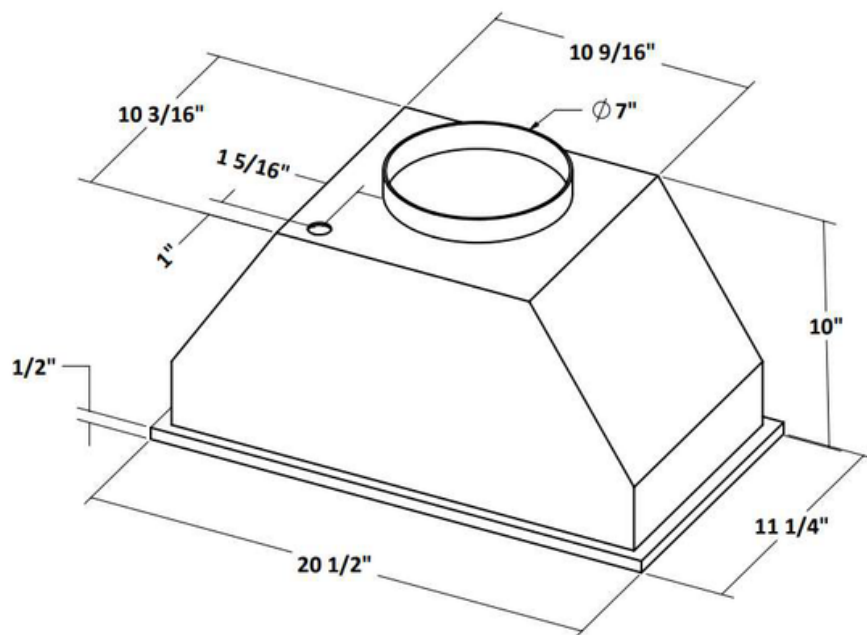
 WARNING! TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK.

-  **CAUTION:** To reduce the risk of fire and to properly exhaust air, be sure to duct air outside. Do not vent exhaust air into spaces within walls, ceilings, cabinets or into attics, crawl spaces, or garages.

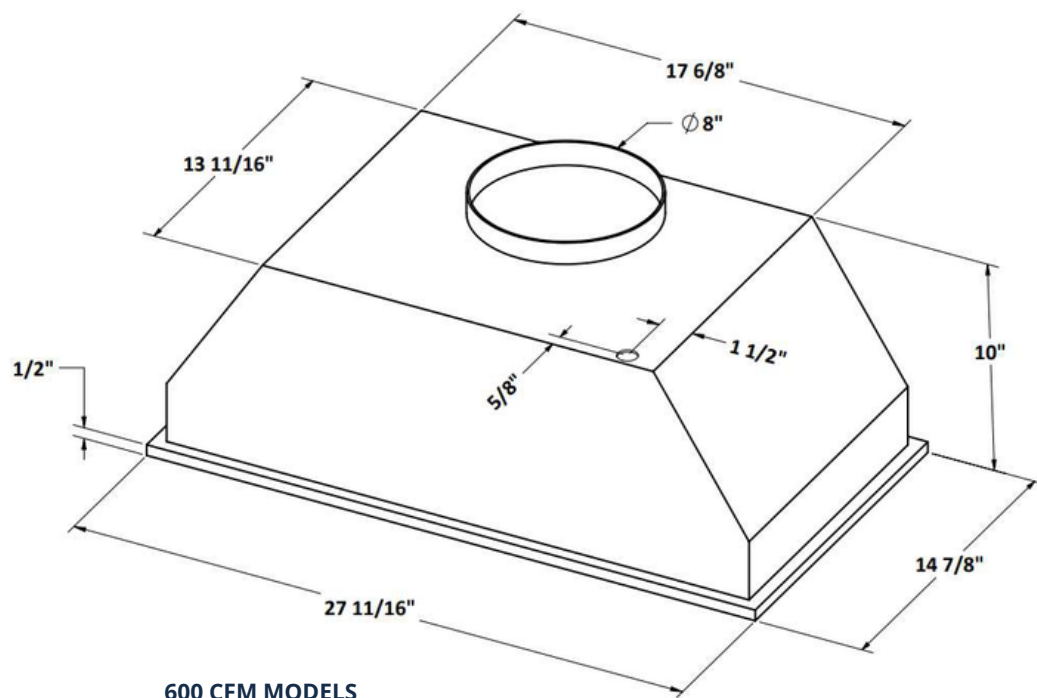
>>> IMPORTANT: CUT-OUT INFORMATION

Cabinets or hood cut-outs should be at least 1/8" larger than outside dimensions

MODEL	FRONT TO BACK	WIDTH	COLOR	3-SPEED INTERNAL BLOWER	CFM	LED LIGHTS	SS BAFFLE FILTERS	ALUM. MESH FILTER	REMOTE CONTROL	DUCT COLLAR	ELECTRONIC TOUCH CONTROL
HVC390SS	11 1/4"	20 1/2"	S/S	✓	390	2	X	1	X	7"	✓
HVC600SS	14 7/8"	27 11/16"	S/S	✓	600	2	2	X	✓	8"	✓



390 CFM MODELS



600 CFM MODELS

PART 1: PLANNING THE INSTALLATION

Castlewood® HVC Power Pack Ventilators are designed for installation inside custom hood canopies. Proper installation of the Power Pack is directly related to the material from which the custom canopy is constructed. A qualified person must complete the installation of this unit. Because of the large size and weight of this Power Pack, two installers are recommended. Plan the installation so that all minimum clearances are met or exceeded. Dimensions shown provide minimum clearances, unless otherwise specified.

Important: You must provide structural framing and tight backing in the areas in which you are securing the liner inside your custom canopy. Failure to do so could distort and damage the Power Pack Ventilator and void the warranty.

 **WARNING:** For maximum ventilation performance, the bottom of the hood or liner should be 30 - 36 inches (76.2 - 91.4 cm) above the cooking surface (minimum is 24"). This would typically result in the bottom of the hood being 66 - 72 inches (167.6 - 182.9 cm) above the floor. These dimensions provide for safe and efficient operation of the hood. Always observe local building codes.

PART 2: SECURING THE LINER/

>>> MOUNTING HOLES

NOTE: DRILLING THROUGH STAINLESS STEEL REQUIRES A TITANIUM BIT. BE CAREFUL NOT TO DRILL THROUGH FILTER BRACKETS, ELECTRICAL COMPONENTS OR UL LABEL. Because the Castlewood® HVC Power Pack Ventilators were designed for various wood hood applications, use the pre-drilled mounting holes. This allows the liner to be attached in most any area of the canopy that has a wood frame support.

*When removing the filters, be careful not to scratch the Power Pack by placing the filters, screws, drill bits or drill on the Power Pack's face.

>>> CONNECTING TO THE VENT PIPE

The HVC Power Pack Ventilator comes with a metal duct collar welded in place. Attach the Duct Collar to the duct with duct tape, preferably the metal type.

PART 3: ELECTRICAL CONNECTION

IMPORTANT: COPY THIS PAGE TO YOUR ELECTRICAL INSTALLER.

 **WARNING:**

Ensure that the power supply is disconnected before proceeding. Verify that the power supply matches the ratings found on the appliance data label before proceeding. The complete appliance must be properly grounded at all times when electrical power is applied. Do not ground the appliance with the neutral (white) house supply wire. A separate ground wire must be utilized. Failure to complete electrical connections properly may result in damaged or non-functional systems. Follow instructions carefully to ensure proper installation.

It is the owner's responsibility to ensure that a qualified person performs the electrical connection of this appliance. The electrical installation, including minimum supply wire size, must comply with the National Electric Code ANSI/NFPA 70-1990 (or latest revision) and local codes and ordinances. A copy of this standard may be obtained from:

National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02269-9101

INSTRUCTIONS: A 15 to 20 amp electrical service is recommended for proper electrical supply. Always observe local building codes. Always use a dedicated circuit.



CAUTION: The neutral wire (usually white) must connect to the same neutral wire that comes from the electrical panel.

WIRING DETAILS

BLACK	120 VOLT AC FROM ELECTRICAL PANEL (USUALLY BLACK) TO VENTILATOR
WHITE	NEUTRAL FROM ELECTRICAL PANEL (USUALLY WHITE) TO VENTILATOR
GREEN	GROUND FROM ELECTRICAL PANEL (USUALLY GREEN) TO VENTILATOR

HOUSE ELECTRICAL PANEL

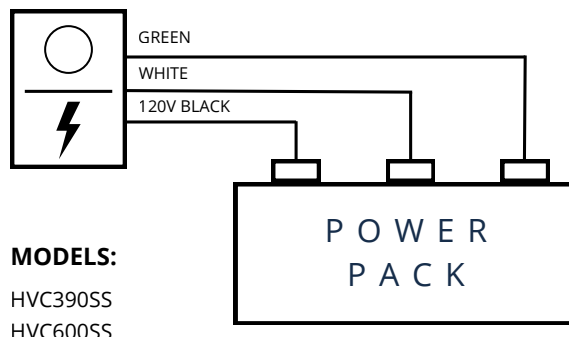


DIAGRAM 1: ALL MODELS WITH FACTORY INSTALLED INTERNAL MOTOR/BLOWER.

PART 4: USE AND CARE



CAUTION: The edges of the stainless steel are extremely sharp. To ensure safety, wear gloves when handling all parts.



WARNING: Do not operate the Power Pack Ventilator without the filters in place, or with dirty, grease laden filters.



OPERATING CONTROLS:

Always activate the Power Pack Ventilator when using cooking appliances. For best performance, turn on the blower a few minutes before starting to cook to establish an airflow pattern within the room. To use the electronic touch control, touch the button that corresponds to the desired speed. To turn off blower, touch the illuminated speed button again. The electronic light control comes on when touched, touch again for light off.



ENERGY SAVING TIPS:

Eliminate air currents in the Power Pack Ventilator vicinity by shutting nearby windows and doors, turning off ceiling fans and adjusting the adjacent heating and air conditioning outlets if necessary. Place your largest pans on the rear burners whenever possible. Clean filters and grease laden surfaces often to improve efficiency. Always use lids on cookware to retain heat and

Minimize the amount of liquid used to cook food. Select cookware of proper size, material and construction for the cooking task being performed.



CARE AND CLEANING:

Proper cleaning is necessary to maintain performance and appearance, while also ensuring safe operation. The frequency of cleaning should be according to the type and amount of cooking. Best results will be achieved by cleaning soiled components as soon as possible. Filters must be cleaned regularly.



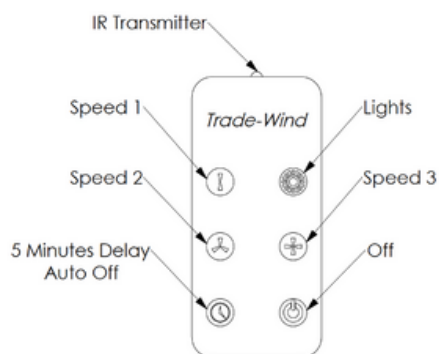
CAUTION: If a commercially available stainless steel cleaner is used, it is important to read the labels for chlorine compounds. Chlorine is a corrosive substance, DO NOT USE. Follow polish manufacturer's instructions.



LED LIGHT BULBS:

Castlewood® products are designed for MR16/GU10 LED light bulbs. They can be purchased at most home or grocery stores. The bulbs provided with the unit are 120V, 5 watts, 500 lumens, and 3000K (natural warm white color temperature). **To remove the light bulbs, press your palm into the lens face of the bulb and turn a ¼ turn to the left. The bulb should unlock from its socket, and pop out. If you need to get more leverage on the bulb, you can purchase a suction cup with a ring on it at your local hardware store.**

EXPLAINING THE REMOTE (used with HVC600SS model only)



The diagram to the left shows all functions of the remote. Push the speed or light buttons once to turn on; push the same button a second time to turn off. You can use the “off” button to power off the lights and blower simultaneously.

The “5 minute delay auto off” button can be pressed when the blower is on at any speed. The blue light behind the speed button will blink showing that this feature has been activated. It will continue to blink for 5 minutes and then the blower will shut off automatically. If you press the “5 minute delay auto off” button again the blinking on the speed button stops and the blower has returned to manual mode.

If you would like to mount the remote to any surface near your range, Velcro pieces have been provided. Peel and stick one piece to back of remote, and the other to desired surface.

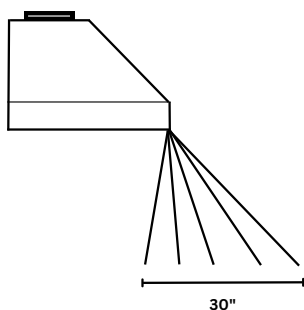
If battery in remote needs replacing, use a CR2025 watch battery. These are very common and easy to find. To access, look to the bottom end of the remote; push release to the right, and slide battery tray out.



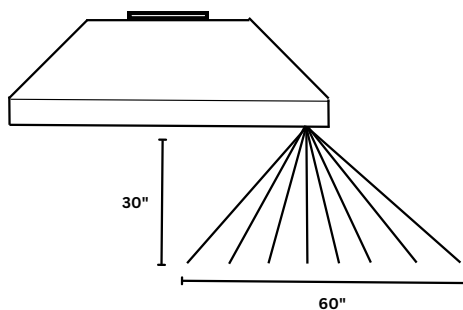
WARNING: INGESTION HAZARD - This product contains a button cell or coin battery. Death or serious injury can occur if ingested. A swallowed button cell or coin battery can cause internal chemical burns in as little as 2 hours.

RANGE OF REMOTE CONTROL

SIDE VIEW:



FRONT VIEW:



The infrared transmitter at the top of the remote must be pointed in the direction of the electronic control at the right front of your Power Pack Ventilator. Range distance will vary depending on your installation, but see diagram below for approximate range area.

CASTLEWOOD® VENTILATION PRODUCTS

What IS Covered:

Castlewood® warrants its **Castlewood®** Ventilation Products to the original user to be free of defects in materials and workmanship for two (2) years from the date of purchase.

Castlewood®, at its option, will repair or replace the complete unit or any defective component without charge. This warranty may be voided if any unauthorized service, alterations, or repairs are made to the product.

What is NOT Covered:

- Normal maintenance and service of any product that has been subject to misuse, negligence, accident, or installation inconsistent with the recommended Castlewood® Installation Instructions and Castlewood® Best Practices Guidelines.
- Product used other than for normal in-home use or products used outside of the United States and Canada.
- Damage to the product caused by accident, fire, flood, or other acts of God.
- Service calls to educate the customer in the proper use and care of the product, change fuses, or to reset the circuit breakers.
- Service calls to correct faulty installation, such as performance issues relating to improperly sized ducting or restrictive roof caps, are not covered and will, by default, be charged back to the Homeowner.
- Light bulbs are not covered under warranty.

Castlewood® disclaims and excludes any liability for implied warranties or for incidental or consequential damages wherever permitted by law. There are no implied warranties of merchantability or fitness for a particular use or purpose. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

For Service: If you need service on your **Castlewood®** Ventilation Product, visit our website at: **castlewood.com** and click on the warranty tab. Fill out the simple form providing the model number, serial number, date of purchase, and brief description of the problem. Proof of purchase will also be required.

WARRANTY REVISED: MARCH 1, 2025

For more information, please contact your dealer or your Castlewood® representative.



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Castlewood® has a policy of continuous improvements and reserves the right to modify (at any time without notice) any or all of its products, features, designs, components and specifications. For further information on installation and wiring, see the installation instructions included with the product or visit us on the web.