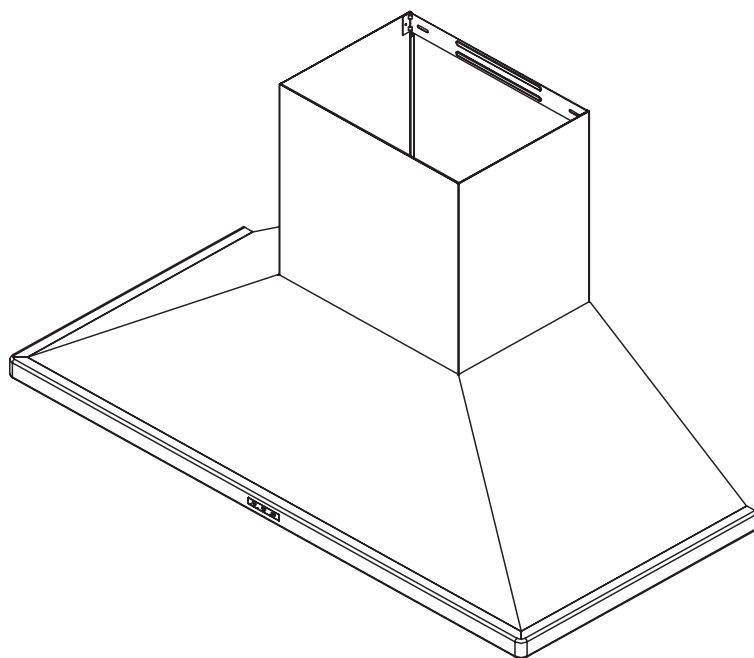


# Use, Care, and Installation Guide

**RH01136AS**

**RH01142AS**

**RH01148AS**



Model number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

DEC19.0301



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## READ AND SAVE THESE INSTRUCTIONS

### WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT USE THIS FAN WITH ANY SOLID-STATE CONTROL DEVICE.

### WARNING

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

- a. Use this unit only in the manner intended by the manufacturer, if you have questions, contact the manufacturer.
- b. Before servicing or cleaning unit, switch power off at service panel and lock panel 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. Take care when using cleaning agents or detergents. Suitable for use in household cooking area.

### WARNING

TO REDUCE THE RISK OF 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 flaming food
- 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.
- e. Keep fan, filters and grease laden surfaces clean.
- f. Use high setting on hood only when necessary.
- g. Don't leave hood unattended when cooking.
- h. Always use cookware and utensils appropriate for the type of and amount of food being prepared.

### WARNING

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP FIRE, OBSERVE 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

### 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.
- b. Sufficient air is needed for power 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 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 vent to the outdoors.
- e. NEVER place a switch where it can be reached from a tub or shower.
- f. Make sure the power is off before installing, wiring or maintenancing.

## WARNING

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

## CAUTION

To reduce risk of fire and to properly exhaust air outside - Do not vent exhaust air into spaces within walls, ceilings, attics, crawl spaces or garages.

## OPERATION

Always leave safety grilles and filters in place. Without these components, operating blowers could catch onto hair, fingers and loose clothing.

The manufacturer declines all responsibility in the event of failure to observe the instructions given here for installation, maintenance and suitable use of the product. The manufacturer further declines all responsibility for injury due to negligence and the warranty of the unit automatically expires due to improper maintenance.

## ELECTRICAL REQUIREMENTS

### Important:

Observe all governing codes and ordinances.

It is the customer's responsibility:

- To contact a qualified electrical installer.
- To assure 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.

Do not ground to a gas pipe.

Check with a qualified electrician if you are not sure the range hood is properly grounded.

Do not have a fuse in the neutral or ground circuit.

\*National Fire Protection Association Batterymarch Park, Quincy, Massachusetts 02269

\*\* CSA International 8501 East Pleasant Valley Road, Cleveland, Ohio 44131-5575

This appliance requires a 120V 60Hz electrical supply and connected to an individual properly grounded branch circuit protected by a 15 or 20 ampere circuit breaker or time delay fuse. Wiring must be 2 wire with ground. Please also refer to Electrical Diagram on product.

This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

### Prop. 65 Warning for California Residents



## WARNING:

Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

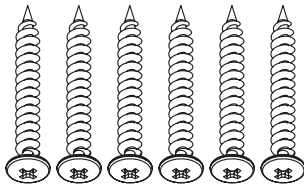
**MODELS:** RH01136AS, RH01142AS, RH01148AS

## PARTS SUPPLIED

- 1 - Hood with internal blower
- 2 - Baffle filters (3 for RH01148AS)
- 1 - Duct cover assembly (*top and bottom*)
- 1 - Duct cover wall bracket
- 1 - 9W LED Light Strip
- 1 - 10" round collar with backdraft damper
- 1 - Hardware package

## HARDWARE PACKAGE CONTENTS

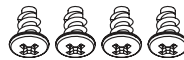
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(2) 4 x 8mm



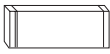

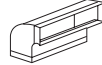
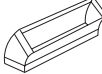
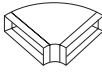




(4) 4 x 8mm



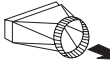
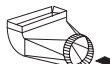
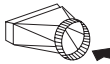
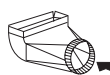
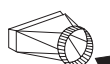
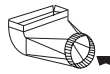

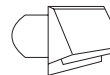

## PARTS NOT SUPPLIED

- Ducting, conduit and all installation tools
- Cable connector (if required by local codes)

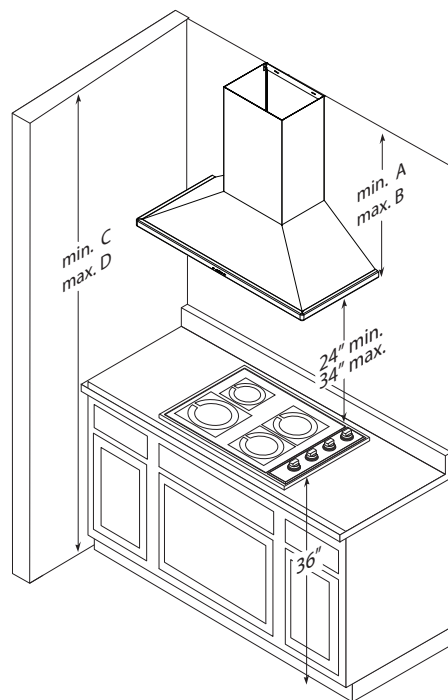
# Installation – Ducting Calculation Sheet

Duct pieces		Equivalent number length x used =	Total
	3-1/4" x 10" Rect., straight	1 Ft.      x (    ) =	Ft.
	6", 7", 8", 10" Round, straight	1 Ft.      x (    ) =	Ft.
	3-1/4" x 10" Rect. 90° elbow	15 Ft.    x (    ) =	Ft.
	3-1/4" x 10" Rect. 45° elbow	9 Ft.     x (    ) =	Ft.
	3-1/4" x 10" Rect. 90° flat elbow	24 Ft.    x (    ) =	Ft.
	7" to 6" or 8" to 7" Round tapered reducer	25 Ft.    x (    ) =	Ft.
	6", 7", 8" Round in-line damper	15 Ft.    x (    ) =	Ft.
	6", 7", 8", 10" Round, 90° elbow	15 Ft.    x (    ) =	Ft.
	6", 7", 8", 10" Round, 45° elbow	9 Ft.     x (    ) =	Ft.
Subtotal column 1 =			Ft.

**Maximum Duct Length:** For satisfactory air movement, the total duct length should not exceed 100 equivalent feet.

Duct pieces		Equivalent number length x used =	Total
	3-1/4" x 10" Rect. to 6" round transition	5 Ft.     x (    ) =	Ft.
	3-1/4" x 10" Rect. to 6" round transition 90° elbow	20 Ft.    x (    ) =	Ft.
	6" round to 3-1/4" x 10" rect. transition	1 Ft.     x (    ) =	Ft.
	6" round to 3-1/4" x 10" rect. transition 90° elbow	16 Ft.    x (    ) =	Ft.
	7" round to 3 1/4" x 10" rect. transition	8 Ft.     x (    ) =	Ft.
	7" round to 3-1/4" x 10" rect. transition 90° elbow	23 Ft.    x (    ) =	Ft.
	3-1/4" x 10" Rect. wall cap with damper	30 Ft.    x (    ) =	Ft.
	6", 7", 8", 10" Round, wall cap with damper	30 Ft.    x (    ) =	Ft.
	6", 7", 8", 10" Round roof cap	30 Ft.    x (    ) =	Ft.
Subtotal column 2 =			Ft.
Subtotal column 1 =			Ft.
Total ductwork =			Ft.

# Installation – Mounting Height & Clearance



Hood Heights	Standard Duct Cover	Extension Duct Cover
minimum (A)	27-1/2"	45"
maximum (B)	42"	78"
Ceiling Heights		
minimum (C)	87-1/2" (7' 3-1/2")	105" (8' 9")
maximum (D)	112" (9' 4")	148" (12' 4")

## DUCTING

A minimum of 10" round duct is recommended to maintain maximum air flow efficiency.

Always use rigid type metal ducts only. Flexible ducts could restrict air flow by up to 50%.

Use calculation worksheet on page 5 to compute total duct work.

ALWAYS, when possible, reduce the number of transitions and turns. If a long duct run is required, increase duct size from 10" to 12".

If turns or transitions are required: Install as far away from opening and as far apart, between 2, as possible.

Minimum mount height between range top to hood bottom should be no less than 24".

Maximum mount height should be no higher than 34".

It is important to install the hood at the proper mounting height. Hoods mounted too low could result in heat damage and fire hazard; while hoods mounted too high will be hard to reach and will lose its performance and efficiency.

If available, also refer to range manufacturer's height clearance requirements and recommended hood mounting height above range. Always check your local codes for any differences.

Duct cover extension kit available for ceiling heights up to 12 feet. Turn to page 11 for part number and ordering information.

## DAMAGE-SHIPMENT / INSTALLATION:

- Please fully inspect unit for damage before installation.
- If the unit is damaged in shipment, return the unit to the store in which it was bought for repair or replacement.
- If the unit is damaged by the customer, repair or replacement is the responsibility of the customer.
- If the unit is damaged by the installer (if other than the customer), repair or replacement must be made by arrangement between customer and installer.



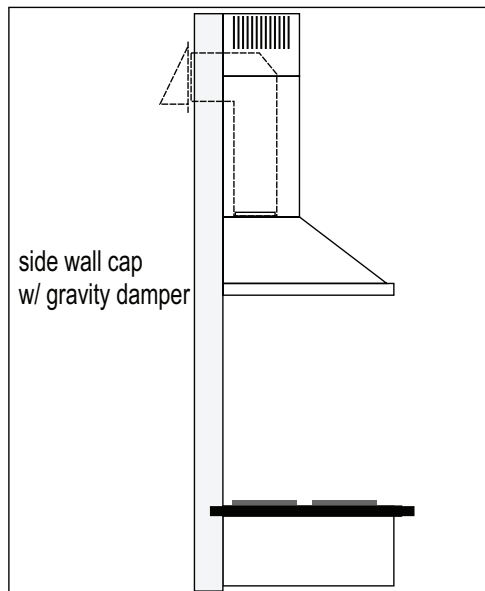
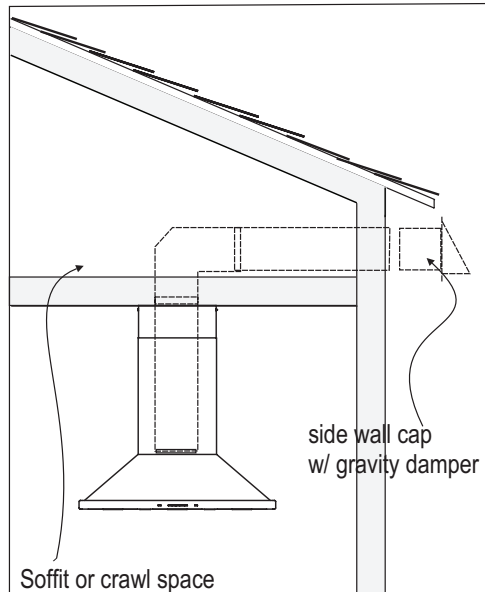
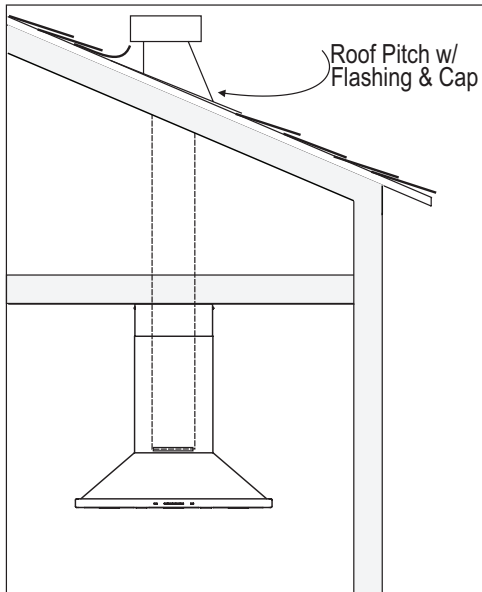
## WARNING FIRE HAZARD

NEVER exhaust air or terminate duct work into spaces between walls, crawl spaces, ceiling, attics or garages. All exhaust must be ducted to the outside, unless using the recirculating option.

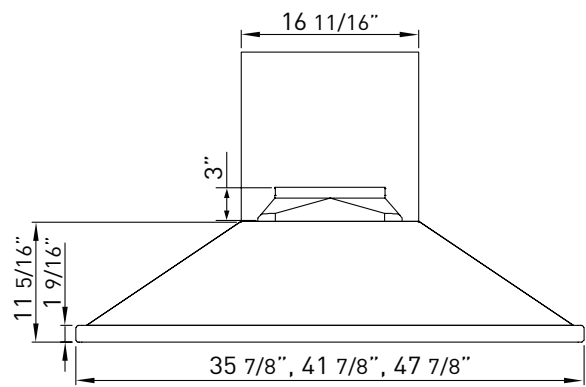
Use single wall rigid Metal ductwork only.

Fasten all connections with sheet metal screws and tape all joints w/ certified Silver Tape or Duct Tape.

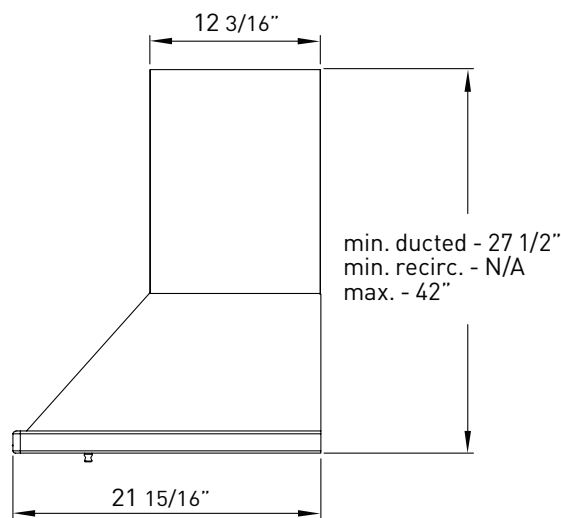
### Some Ducting Options



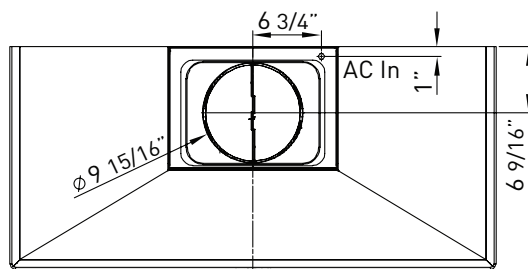
Installation – Hood Specifications



FRONT



SIDE



C/L

TOP

**⚠ CAUTION:** At least two installers are required due to the weight and size of the hood.

1. Measure from range top to hood bottom and mark line A. (24" minimum from range top).
2. Plum and mark center line.
3. Mark mounting height line B. (12-1/8" from line A)
4. Mark mounting spread from C/L on line B 14-15/16"
5. Fasten (2) 4 x 38mm screws into studs on line B. Do not fasten screws all the way. **Note: wood blocking may need to be added behind the drywall if no studs are present. Wall anchors may also be used but check local codes for compliance. Failure to use suitable wall anchors and screws to hold the weight of the hood could result in personal injury or damage to cooking surface or counter.**
6. Install 10" round duct collar with backdraft damper to top of hood by (4) 4x8mm screws.
7. Hang hood onto screws and hand tighten. (FIG. A #1) Use the last 4 x 38mm screws to further secure the hood to the wall from inside the hood. (FIG. A #2)
8. Center and attach duct cover bracket to wall below ceiling or soffit using (2) 4 x 38mm screws.
9. Position electrical outlet within the space covered by the telescopic duct covers and where it will not interfere with the round duct. (FIG. B)
10. Install duct work and duct tape.
11. Power up hood and check for leaks around duct tape.
12. Place telescopic duct covers onto hood and extend inner (top) duct cover upwards and secure to duct cover bracket using (2) 4x8mm screws.

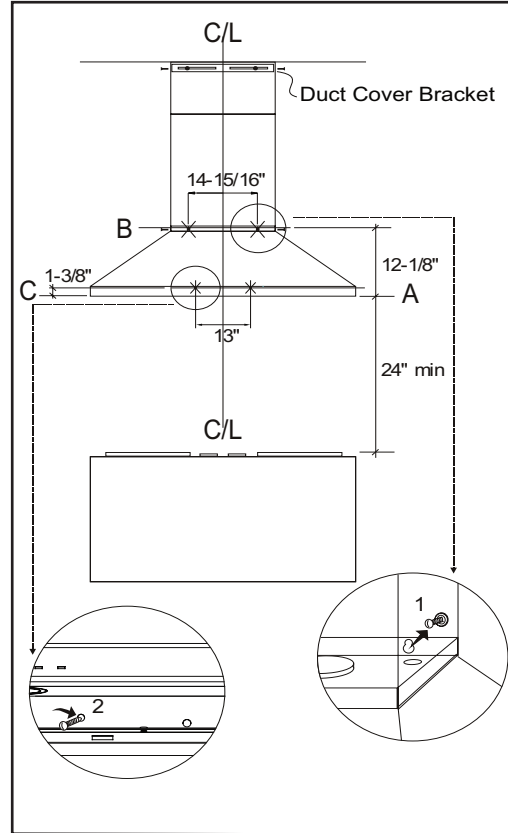


FIG. A

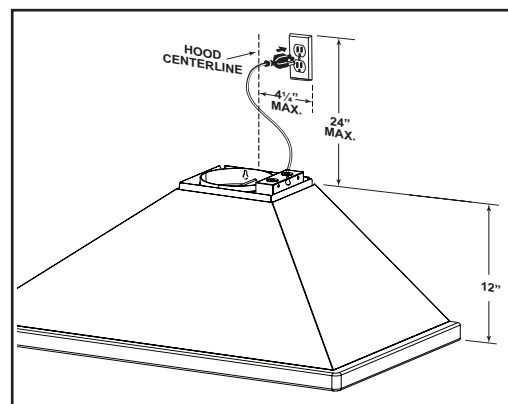
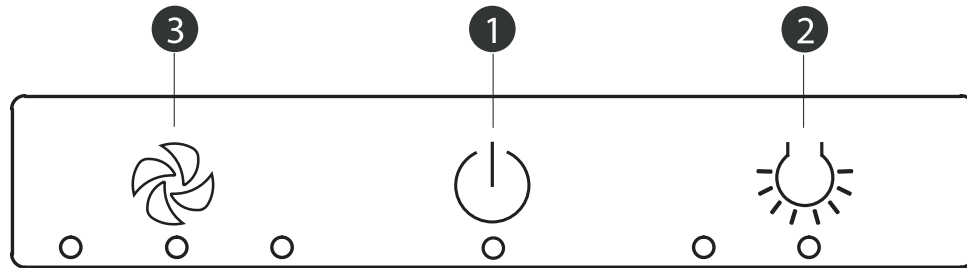


FIG. B

**⚠ WARNING:** Electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards. This range hood must be properly grounded. Turn off electrical power at service entrance before wiring.



## 1 Power / Delay Off

- Power / Delay off button will turn power on and off for the entire hood (fan and lights).
- The hood will remember the last speed and light level it was last turned off at.
- Delay Off Feature: With the fan on, press and hold the power button for three seconds. The fan will change to speed 1 and automatically turn off after 5 minutes.
- CFM Select Feature: CFM Select allows the installer to set the maximum fan CFM to align with local codes and regulations.

To verify the maximum fan CFM:

With hood off, press and hold the power button for five seconds. If all three fan speed indicators illuminate = default maximum CFM. If two speed level indicators illuminate = 590 maximum CFM. If only one speed level indicator illuminates = 390 maximum CFM.

## 2 Lights

Lights are two levels, low and high. From off, press once for low, press again for high, press again to power lights off.

## 3 Fan Speeds

Fan is three speed levels. From off, press once for low, press again for medium, press again for high, press again to power fan off.

**SURFACE MAINTENANCE:**

Do not use corrosive detergents, abrasive detergents or oven cleaners.  
Do not use any product containing chlorine bleach or any product containing chloride.  
Do not use steel wool or abrasive scrubbing pads which will scratch and damage surface.

**Cleaning Stainless Steel**  
Clean periodically with warm soapy water and clean cotton cloth or micro fiber cloth. Always rub in the direction of the stainless steel grain. To remove heavier grease build up use a liquid degreaser detergent.

After cleaning use a non-abrasive stainless steel polish/cleaners, to polish and buff out the stainless luster and grain. Always scrub lightly, with clean cotton cloth or micro fiber cloth and buff in the direction of the stainless steel grain.

**Baffle Filters**

The baffle filters installed by the factory are intended to filter out residue and grease from cooking. They need not be replaced on a regular basis but are required to be kept clean.

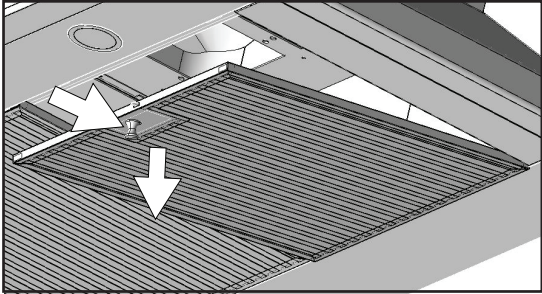
Remove and clean by hand or in dishwasher on low heat. Spray degreasing detergent and leave to soak if heavily soiled.

Dry filters and re-install before using hood.

**Removing Baffle Filters**

- 1. Push in on spring loaded handle
- 2. Pull down on filter handle to remove filter

Should filters wear out due to age and prolonged use, replace with following part number:



**LIST OF PARTS & ACCESSORIES**

DESCRIPTION	PART#
<b>Replacement Parts</b>	
Baffle Filter (each)	50200050

## CFM SELECT

Some local codes limit the maximum amount of CFM a range hood can move. CFM Select allows you to control the maximum blower CFM of the range hood without the need for expensive make up air kits. CFM Select enables the installer to easily set the maximum blower speed to one of two most commonly specified CFM levels; 590 or 390 CFM. The usage of CFM Select may not be necessary for your installation. Please check your local codes for CFM restrictions.

**By default the maximum blower CFM is set to 1200.**



### CAUTION:

**Hood must be disconnected from main power prior to performing the conversion instructions listed below. Failure to do so could result in personal injury or damage to the product.**

### To enable CFM Select

1. Before hood installation, gain access to PC board by following the steps shown in FIG. C.
2. Change plastic jumper positioning as shown in FIG. D to set the desired maximum blower CFM.
3. Re-install PC board & continue with hood installation.
4. Remove the appropriate foil CFM sticker included with the hood literature and place inside the hood body below the wiring diagram or in another clearly visible location.

**NOTE:** After re-positioning the jumper and powering on the hood, the CFM cannot be changed again.

### To verify if your installer enabled CFM Select

With hood off, press and hold the power button for five seconds. If 3 LEDs illuminate = default max. CFM, if 2 LEDs illuminate = max. 590 CFM, and if 1 LED illuminates = max. 390 CFM.

When CFM Select is enabled, the number of blower speeds will be reduced. 590 CFM = max. 2 speeds and 390 CFM = max. 1 speeds.

There should also be a foil label located inside the hood body near the wiring diagram that indicates the blower CFM.

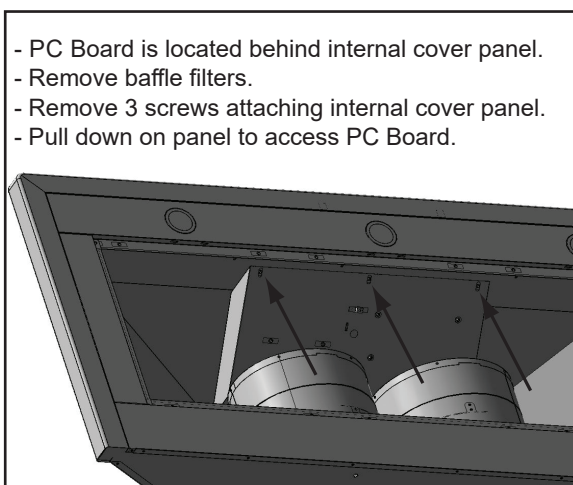


FIG. C

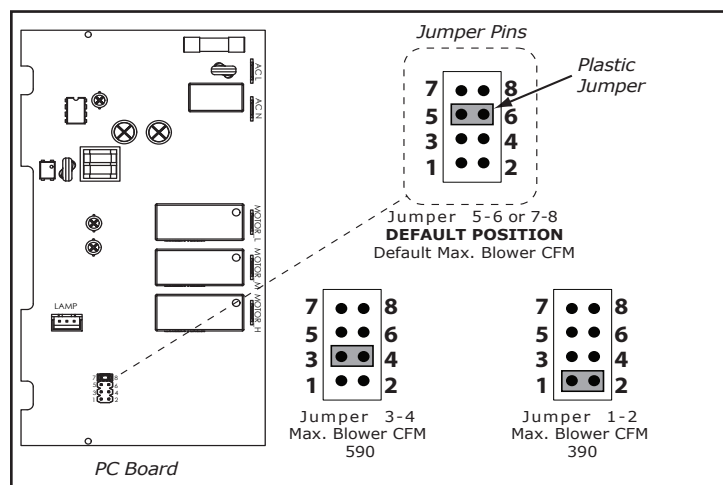


FIG. D

Model: RH01136AS RH01142AS  
RH01148AS

Voltage 120V 60Hz

Power consumption

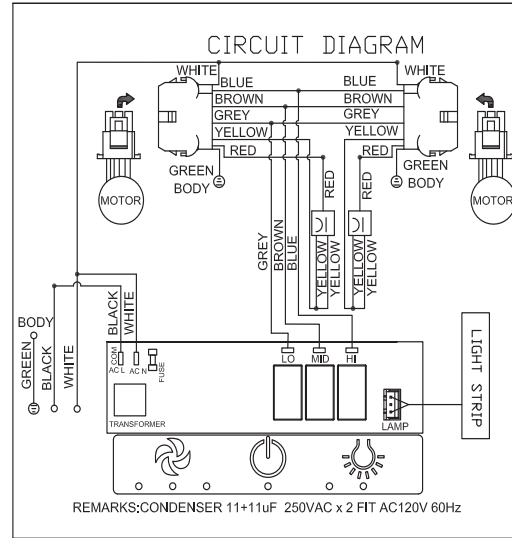
Total: MAX.760W @ 6.3A

Lamp: LED 8W

Fan: 745W

THERMALLY PROTECTED

UL file number: E127334



Power consumption shown for default 1200 CFM blower configuration

## TROUBLESHOOTING PROCEDURES

Issue	Cause	What to do
After installation, the unit doesn't work.	1. The power source is not turned ON.	1. Make sure the circuit breaker and the unit's power is ON.
	2. The power line and the cable locking connector is not connecting properly.	2. Check the power connection with the unit is connected properly.
	3. The wires on the control board are loose.	3. Make sure the wires on the control board are connected properly.
	4. The switch board and control board wirings are disconnected.	4. Make sure the wirings between the switch board and control board are connected properly.
	5. The switch board or control board is defective.	5. Change the switch board or control board.
Light works, but blower is not turning.	1. The blower cable is disconnected.	1. Check all wirings from the blower to be sure all cables are connected properly.
	2. The blower is defective, possibly seized.	2. Change the blower.
	3. The thermally protected system detects if the blower is too hot to operate and shuts the blower down.	3. The blower will function properly after the thermally protected system cool down.
	4. The switch board or control board is defective.	4. Change defective part.
The unit is vibrating.	1. The motor is not secure in place.	1. Tighten the motor in place.
	2. Damaged blower wheel.	2. Replace the blower.
	3. The hood is not secured in place.	3. Check the installation of the hood.
The unit is whistling.	1. The filter is not in the correct position.	1. Adjust the filters until the whistling stops.
	2. The duct pipe connections are not sealed or connected properly.	2. Check the duct pipe connections to be sure all connections are sealed properly.
The blower is working, but the lights are not.	1. Defective LED strip.	1. Change the LED strip.
	2. The LED strip wire is loose.	2. Check LED strip wire connections at the control board and the LED strip. Reconnect any loose wires.
The unit turns on by itself.	1. A spot light or kitchen lamp is shining directly onto the switch controls.	1. The switch controls are light sensitive. A direct light source onto the switch controls may disrupt switch functions.
The speed levels of the blower sound the same.	1. Using the wrong size of ducting.	1. Change the ducting to at least 10" or higher.
The hood is not venting out properly.	1. The hood might be hanging too high from the cook top.	1. Adjust the distance between the cook top and the bottom of the hood within 24" and 34" range.
	2. The wind from the opened windows or opened doors in the surrounding area are affecting the ventilation of the hood.	2. Close all the windows and doors to eliminate the outside wind flow.
	3. Blockage in the duct opening or ductwork.	3. Remove all the blocking from the duct work or duct opening.
	4. The direction of duct opening is against the wind.	4. Adjust the duct opening direction.
	5. Using the wrong size of ducting.	5. Change the ducting to at least 10" or higher.
Baffle Filter is vibrating.	1. Baffle filter is loose.	1. Make sure the metal clips in the handle are not stuck. Or replace the baffle filter.
	2. Filter spring clip is loose or broken.	2. Uninstall and reinstall filter, push up on filter latch. Replace baffle filter if needed.



## Limited Warranty

**STAPLE YOUR RECEIPT HERE**  
**Proof of the original purchase**  
**date is needed to obtain**  
**service under warranty**

**TO OBTAIN SERVICE UNDER WARRANTY OR FOR ANY SERVICE RELATED QUESTIONS, please call:**  
**1-888-750-1698**

Venting Services (referred to herein as "we" or "us") warrants to the original consumer purchaser (referred to herein as "you" or "your") of range hoods (the "Products") that such Products will be free from defects in materials or workmanship as follows:

**One Year Limited Warranty for Parts:** For one year from the date of your original purchase of the Products, we will provide, free of charge, Products or parts to replace those that failed due to manufacturing defects. We may choose, in our sole discretion, to repair or replace parts before we elect to replace the Products.

**One Year Limited Warranty for Labor:** For one year from the date of your original purchase of the Products, we will provide, free of charge, the labor cost associated with repairing the Products or parts to replace those that failed due to manufacturing defects. After the first year from the date of your original purchase, you are responsible for all labor costs associated with this warranty.

**Warranty Exclusions:** This warranty covers only repair or replacement, at our option, of defective Products or parts and does not cover any other costs related to the Products including but not limited to: (a) normal maintenance and service required for the Products and consumable parts such as light bulbs, metal and carbon filters and fuses; (b) any Products or parts which have been subject to freight damage, misuse, negligence, accident, faulty installation or installation contrary to recommended installation instructions, improper maintenance or repair (other than by us); (c) commercial use of the Products or use otherwise inconsistent with its intended purpose; (d) natural wear of the finish of the Products or wear caused by improper maintenance, use of corrosive and abrasive cleaning products, pads, and oven cleaner products; (e) chips, dents or cracks caused by abuse or misuse of the Products; (f) service trips to your home to teach you how to use the Products; or (g) damage to the Products caused by accident, fire, floods or act of God. If you are outside our service area, additional charges may apply for shipping costs for warranty repair at our designated service locations and for the travel cost to have a service technician come to your home to repair, remove or reinstall the Products. After the first year from the date of your original purchase, you are also responsible for all labor costs associated with this warranty.

**Limitations of Warranty.** OUR OBLIGATION TO REPAIR OR REPLACE, AT OUR OPTION, SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY. WE SHALL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE PRODUCTS. THE EXPRESS WARRANTIES IN THE PRECEDING SECTION ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES. WE HEREBY DISCLAIM AND EXCLUDE ALL OTHER EXPRESS WARRANTIES FOR THE PRODUCTS, AND DISCLAIM AND EXCLUDE ALL WARRANTIES IMPLIED BY LAW, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Some states or provinces do not allow limitations on the duration of an implied warranty or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. To the extent that applicable law prohibits the exclusion of implied warranties, the duration of any applicable implied warranty is limited to the same one-year period described above. Any oral or written description of the Products is for the sole purpose of identifying the Products and shall not be construed as an express warranty. Prior to using, implementing or permitting use of the Products, you shall determine the suitability of the Products for the intended use, and you shall assume all risk and liability whatsoever in connection with such determination. We reserve the right to use functionally equivalent refurbished or reconditioned parts or Products as warranty replacements or as part of warranty service. This warranty is not transferable from the original purchaser and applies in the United States and Canada.

**To Obtain Service Under Limited Warranty:** To qualify for warranty service, you must: (a) notify us at the address or telephone number stated below within 60 days of the discovery of the defect; (b) give the model number and part identification number and serial number; and (c) describe the nature of any defect in the Product or part. At the time of the request for warranty service, you must present evidence of your proof of purchase and proof of the original purchase date. If we determine that the warranty exclusions listed above apply or if you fail to provide the necessary documentation to obtain service, you will be responsible for all shipping, travel, labor and other costs related to the services.

**1-888-750-1698 | support@appliance-support.com**