

Installation Guide & User Manual

Version: P01/P02/P03/P04/P02-R

Built-In/Inserted Series Mount Range Hood
6" Diameter Round Top Vent Only

RANGE HOOD



STOP and read! Test before installing

1. Please unpack the range hood and accessories carefully.
2. Remove the aluminium filters, check any dent or damage inside and outside.
3. If found any loosing parts, please remove them.
4. Place the range hood on a flat stable surface, plug in 120V AC power source. Press the power button and the speed buttons to turn on.
5. Check if any unusual metal touching noise, check the speed variation, and press the Light button to check the lights.
6. Verify all functions per Section 9 RANGE HOOD OPERATIONS.
7. Refer to Section 10 TROUBLESHOOTING if any malfunction was found.
8. The plastic protective film was removed for sanding polish finishing.

IMPORTANT:

Read and save these instructions.

NOTICE:

Installer: Leave this guide with the homeowner
Homeowner: Keep this guide for future reference



Contact your local seller for exchange or repair.

Visit: www.doeleahomeinc.com for most updated information.

Email to support@doealeahomeinc.com for technical support and sales activity.





Important Safety Notice

Read all Instructions before Installing and operating this appliance

- The installation in this manual is intended for qualified installers, service technicians or persons with similar qualified background. Installation and electrical wiring must be done by qualified professionals and in accordance with all applicable codes and standards, including fire-rated construction.
- DO NOT attempt to install this appliance yourself. Injury could result from installing the unit due to lack of appropriate electrical and technical background.
- Range hood may have very sharp edges; please wear protective gloves if it is necessary to remove any parts for installing, cleaning or servicing.
- Activating any switch ON before completing installation may cause ignition or an explosion.
- Due to the size and weight of this range hood, two people installation is recommended.

To reduce the risk of fire, electric shock, or injury to persons:

- For general ventilating use only. DO NOT use to exhaust hazardous or explosive materials and vapors.
- The combustion air flow needed for safe operation of fuel-burning equipment may be affected by this unit's operation. 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 of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
- Before servicing or cleaning unit, switch power OFF at service panel and lock service panel to prevent power from being switched ON accidentally.
- Clean grease laden surfaces frequently. To reduce the risk of fire and to disperse air properly, make sure to vent air outside. DO NOT vent exhaust into spaces between walls, crawl spaces, ceiling, attics or garages.
- Ducted fans MUST always be vented to the outdoors.
- Use only metal ductwork and this unit MUST be grounded.
- Sufficient air is needed for proper combustion and exhausting of gases through the duct to prevent back drafting.
- When cutting or drilling into wall or ceiling, be careful not to damage electrical wiring or other hidden utilities.
- All electrical wiring must be properly installed, insulated and grounded.
- Old duct work should be cleaned or replaced if necessary to avoid the possibility of a grease fire.
- Check all joints on duct work to insure proper connection and all joints should be properly taped.
- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the vendor.

To reduce the risk of a stove top grease fire:

- Keep all fan, baffle, spaces, filter, grease tunnel, oil container and grease-laden surfaces clean. Grease should not be allowed to accumulate on fan, baffle, spaces, filter, grease tunnel and oil container.
- Always turn range hood ON when cooking at high heat or when cooking flaming foods.
- Use high settings on cooking range only when necessary.
- Never leave surface units unattended at high settings. Boil overs cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.

Important Safety Notice

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- Clean ventilating fan frequently.
- Always use appropriate cookware and utensils size.
- Always use cookware appropriate for the size of the surface element.

To reduce the risk of injury to persons in the event of a stove top grease fire:

- SMOTHER FLAMES** with a close-fitting lid, cookie sheet, or metal tray, then turn OFF the burner. **BECAREFUL TO PREVENT BURNS.** NEVER PICK UP A FLAMING PAN—you may be burned. **KEEP FLAMMABLE OR COMBUSTIBLE MATERIAL AWAY FROM FLAMES.** If the flames DO NOT go out immediately, **EVACUATE AND CALL THE FIRE DEPARTMENT** or dial your local emergency service immediately.
- DO NOT USE WATER**, including wet dishcloths or towels — a violent steam explosion will result.
- Use an extinguisher **ONLY** if:
 - You know you have a Class A, B, C extinguisher, and you already know how to operate it.
 - The fire is small and contained in the area where it is started.
 - The fire department is being called.
 - You can fight the fire with your back to an exit.

To reduce the risk of injury to persons in the event of a gas leaks:

- Extinguish any open flame.
- DO NOT turn on the range hood fan or any type of ventilator.
- DO NOT turn on the lights or any type of appliance.
- Open all doors and windows to disperse the gas. If you still smell gas, call the gas company and fire department, or dial your local emergency service immediately.

Your safety and the safety of others is very important. We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages. All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you



WARNING

This is the safety alert symbol. This symbol alerts you to potential hazards that can hurt you and others. All safety messages will follow the safety alert symbol and the word "WARNING".

The manufacturer and/or distributor/reseller declines all responsibility in the event of failure to ob-serve the instructions given here for installation, maintenance and suitable use of the product.

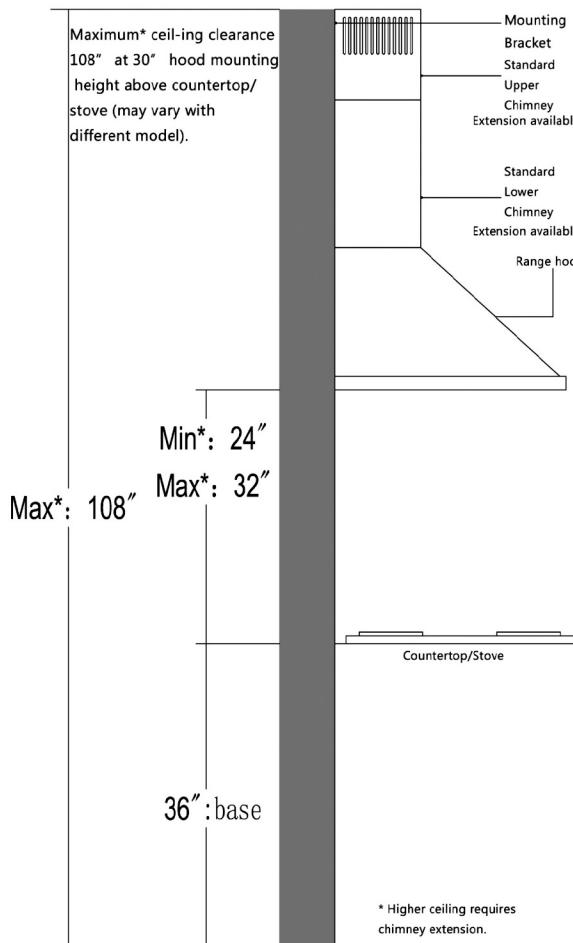
The manufacturer and/or distributor/reseller further declines all responsibility for injury due to neg-ligence and the warranty of the unit automatically expires due to improper maintenance.

The manufacturer and/or distributor/reseller will not be held responsible for any damages to per-sonal property or real estate or any bodily injuries whether caused directly or indirectly by the range hood.

- Vent system must terminate to the outside (roof or side wall).
- DO NOT terminate the vent system in an at-tic or other enclosed area.
- DO NOT use 4" (10.2 cm) laundry-type wall caps.
- Use metal/aluminum vent only. Rigid metal/ aluminum vent is recommended.
- DO NOT use plastic vent.
- Always keep the duct clean to ensure proper airflow.
- Calculate the following figures before installation:
 1. Distance from the floor to the ceiling.
 2. Distance between the floor to the countertop/stove (recommend* 24" to 32").
 3. Distance between the countertop/stove to the range hood.
 4. Height of hood and duct cover.

For the most efficient & quiet operation:

- A distance of 24" to 32" is recommended* between stove top and the bottom of range hood.
- It is recommended that the range hood be vented vertically through the roof through 6" (15.2 cm) or bigger round metal/aluminum vent work.
- The size of the vent should be uniform.
- Use no more than three 90° elbows.
- Make sure there is a minimum of 24" (61 cm) of straight vent between the elbows if more than one elbow is used.
- DO NOT install two elbows together.
- The length of vent system and number of elbows should be kept to a minimum to provide efficient performance.
- The vent system must have a damper. If roof or wall cap has a damper, DO NOT use damper (if supplied) on top of the range hood.
- Use silver tape or duct tape to seal all joints in the vent system.
- Use caulking to seal exterior wall or roof opening around the cap.



* Due to different ceiling height configurations, recommended height may not be applicable.

IMPORTANT:

- A minimum of 6" round (standard for this range hood) must be used to maintain maximum airflow efficiency.
- Always use rigid type metal/aluminum ducts if available to maximize airflow when connecting to provided duct.
- Please use *Duct Run Calculation* below to compute the total available duct run when using elbows, transitions and caps.
- **ALWAYS**, when possible, reduce the number of transitions and turns. If long duct run is required, increase duct size from 6" to 7" or 8". If a reducer is used, install a long reducer instead of a pancake reducer. Reducing duct size will restrict airflow and decrease airflow, thus reduce duct size as far away from opening as possible.
- If turns or transitions are required: Install as far away from opening and as far apart, between 2, as possible.
- Minimum mount height between stove top to hood bottom should be no less than 24-inch*.
- Maximum mount height between stove top to hood bottom should be no higher than 32-inch*.
- 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 stove top manufacturer's height clearance requirements and recommended hood mounting height above range.

* Due to different ceiling height configurations, recommended height may not be applicable.

Minimum Duct Size:

- Round - 6" minimum

Calculating Vent System Length

To calculate the length of the system you need, deduct the equivalent feet for each vent piece used in the system from the recommended maximum duct run.

Duct Run Calculation:	
Recommended maximum run	
6" or 3-1/4 x 10" duct	50 ft
Vent piece deduction	
Each 90° elbow used	9 ft
Each 45° elbow used	5 ft
Each 6" to 3/4 x 10" transition used	7 ft
Side wall cap with damper	9 ft
Roof cap	9 ft

Duct Run Calculation example:

One roof cap, two 90° elbow, and one 45° elbow used:
 $9\text{ft} + 9\text{ft} + 9\text{ft} + 5\text{ft} = 32\text{ft}$ used.

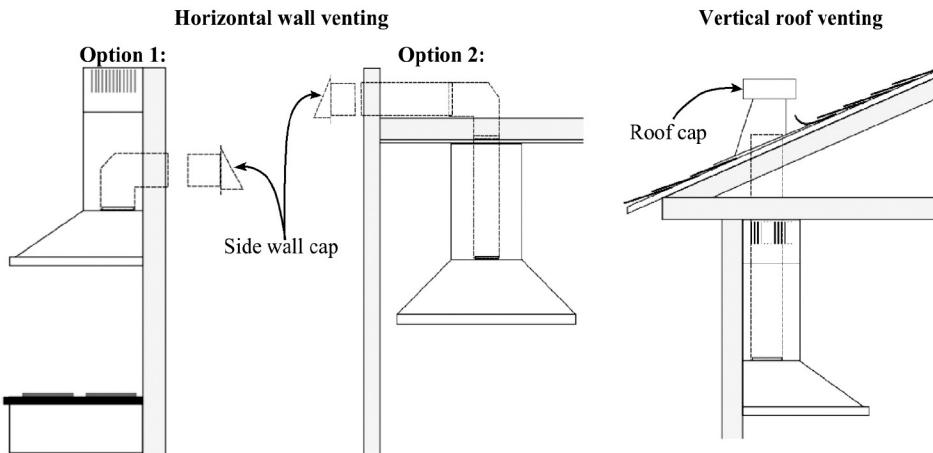
Deduct 32ft from 50ft, 18ft maximum available for straight duct run.

Venting Methods

- This range hood is factory set for venting through the roof or wall. For non-vented (re-circulating) installations, see **Ductless Conversion** on Page 7.
- Vent work can terminate either through the roof or wall. To vent through a wall, a 90° elbow is needed.

IMPORTANT:

- 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.
- Use metal/aluminum duct work only.
- Fasten all connections with sheet metal screws and tape all joints with certified Silver Tape or Duct Tape.
- Use caulking to seal exterior wall or roof opening around the cap.



Ductless Conversion

- Ductless conversion is intended for applications where an exhaust duct work is not possible to be installed. When converted, the hood functions as a purifying hood rather than an exhaust hood. Fumes and exhaust from cooking is drawn and filtered by a set of charcoal filters. The air is then purified and re-circulated back within the home.
- We recommend to ALWAYS exhaust air outside of the home by employing existing or installing new duct work, if possible. Only when the exhaust option is not possible should you recourse to converting the hood into a purifying unit.
- When converted to be a "purifying" unit, a set of charcoal filters and an air-diverter are required in addition to its standard aluminum filter set. Available at your local resellers. The standard aluminum filters are intended to capture residue from cooking, the optional charcoal filters help to purify fumes exhausted from cooking, and the optional air-diverter redirects filtered clean air back to the house.

Electrical Requirements

IMPORTANT: Observe all governing codes and ordinances.

(THIS HOOD REQUIRES 120V POWER TO OPERATE PROPERLY)

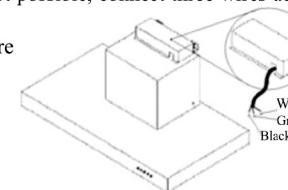
It is the customer's responsibility:

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.
- A 120-volt, 60 Hz, AC-only,
- Do not ground to a gas pipe.
- Do not have a fuse in the neutral or ground circuit.
- **RISK OF ELECTRICAL SHOCK.** This range hood must be properly grounded. Check with a qualified electrician if you are not sure whether the range hood is properly grounded.
- The range hood should be connected directly to the fused disconnect (or circuit breaker) box through flexible armored or non-metallic sheathed copper cable. A U.L. - or C.S.A. - listed strain relief must be provided at each end of the power supply cable. Do not use extension cord or adapter plug with this appliance.
- The range hood must be connected with copper wire/plug only.
- Always use plug provided. If not possible, connect three wires according to its color (black to hot, white to neutral, and green to ground) to house wires and cap with wire connectors:

Wire sizes (copper wire only) and connections must conform with the rating of the appliance as specified



on the model/serial rating label. Wire sizes must conform to the requirements of the 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. A U.L. - or C.S.A. - listed conduit connector must be provided at each end of the power supply cable (at the range hood and at the junction box).

Copies of the standards listed may be obtained from:

* National Fire Protection Association
Batterymarch Park
Quincy, Massachusetts 02269

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

Preparation

Advanced Preparations:

1. Read the entire installation guide and users manual thoroughly, understand instructions and warnings.
2. Be familiar with the controls of the range hood by reading through **Range Hood Operations**, Page 12.
3. Place the range hood on a flat, stable surface. Connect the range hood to a designated standard outlet (please refer the product label for the suitable voltage of this unit) and verify no debris has entered the vent openings, then turn on the range hood. Verify all operations of the range hood by referring to **Range Hood Operations**, Page 12.
4. Place all supplied parts and required hardware on a flat, stable surface and verify the existence of all supplied parts listed on Page 4.
5. Carefully remove the white plastic protective coat from the chimney covers and range hood if any.

Preparations:

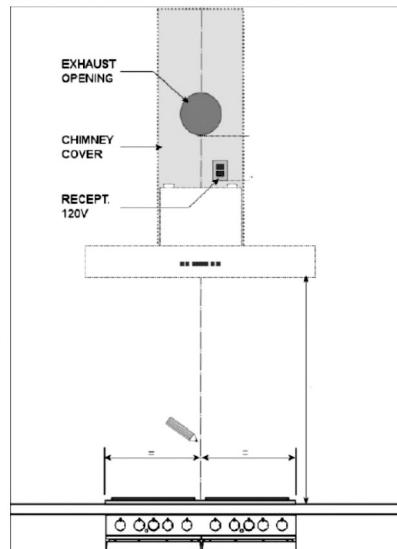
NOTE: To avoid damage to your hood, prevent debris from entering the vent opening.

1. Determine and mark the center line on the ceiling where the range hood will be installed. Make sure there is proper clearance within the ceiling or wall for exhaust vent.
2. Due to the weight and size of this unit, please make sure that the support system or framework being used is stable and secure in the ceiling.
3. Put a thick, protective covering over counter top, cook top or range to protect from damage or dirt. Remove any hazardous objects around the area when installing.
4. Mark the locations of the support mounting bracket holes, vent cutout (if used) and power supply cable cutout on the ceiling. Use drill and saber saw or keyhole saw to cut openings for power supply cable and vent (see **Venting Methods and Electrical requirements**, Pages 7-8).
5. If venting to the outside install vent system (see **Venting Methods**, Page 7). Use caulking to seal exterior wall or roof openings.
6. Disconnect main electrical supply, prepare and run electrical wiring through ceiling. Leave approximately 12" of electrical cord hanging from the ceiling. Do not restore power until wiring is completed.
7. Disconnect power cord, remove the stainless steel baffle filter (see *Figure 9*, Page 11) and grease tunnel.
8. Set aside the stainless steel baffle filters and grease tunnel until the range hood is properly installed.
9. *If the range hood comes with a glass canopy and has not already been mounted to the hood, loosen the four canopy screws and washers from the hood top, carefully place the canopy on the hood top, and loosely tighten the four canopy screws along with washers. DO NOT put excessive pressure against the glass.*



Excessive Weight

Require three or more person to move and install this range hood. Spinal or other bodily injuries could occur if it is not followed.



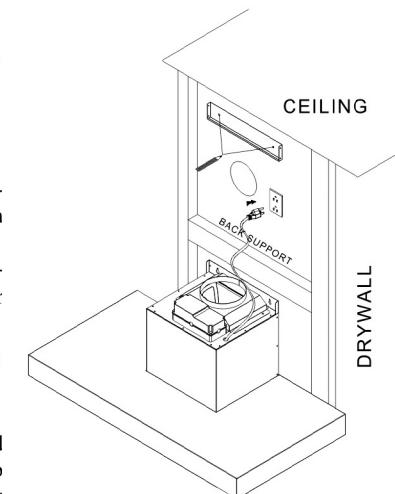
WARNING

Severe Injury

Hood may have very sharp edges. Please wear protective gloves if it is necessary to remove any parts for installing, cleaning or servicing.

Installation

Figure 1



Installations (refer to Page 4 for parts):

Measure the distance between stove top and the bottom of range hood. A distance of 24" to 32" is recommended*. *Due to different ceiling height configurations, recommended height may not be applicable.

1. Using references in **Height & Clearance** on Page 5 and **Measurements and Diagrams** on Page 15, mark the leveling point of the hood. Position two mounting screws on the wall, leaving 1/8" space away from the wall.
2. Measure the width of the chimney then attach the chimney-mounting brackets to the wall as high as you want the upper chimney to be.

NOTE: Use threaded drywall anchors only when mounting the hood on sheet rock. Mounting the hood on wall studs or lumbars is highly recommended.

3. Align hood-mounting holes to the screws on the wall and hook the hood into place. Tighten screws to secure hood to the wall. **CAUTION: Make certain the range hood is secure before releasing!**
4. Connect the venting duct between the hood and the exhaust opening either on the ceiling or wall. Use aluminum tape to make all joints secure and air tight.
5. Connect the range hood to a designated standard outlet (please refer the product label for the suitable voltage of this unit) or cut off the plug and connect three wires (black, white and green) to house wires and cap with wire connectors. Connect according to colors (i.e. black to black, white to white, and green to green).

SAFETY WARNING: Risk of electrical shock. This range hood must be properly grounded. Make sure this is done by qualified electrician in accordance with all applicable national and local electrical codes. Before connecting wires, switch power off at service panel and lock service panel to prevent power from being switched on accidentally.

Figure 2

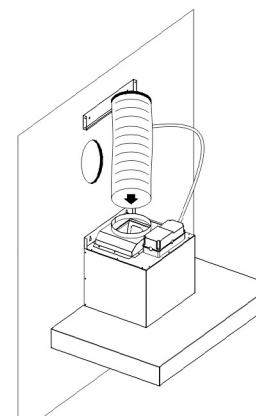


Figure 3

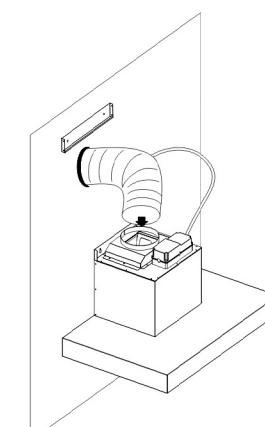
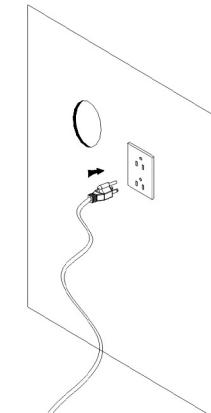


Figure 4



Installation (Continued)

6. Store excess wires in the wiring box.
7. Install both chimneys and tighten screws to secure the lower chimney to the range hood as shown in Figure 5.
8. To avoid scratching the chimney, extend the upper chimney slowly and carefully to the chimney-mounting bracket and tighten screws as shown in Figure 6.
9. Place grease tunnel into recess support near rear of hood. Refer to Figure 7.
10. To install stainless steel baffle filters, refer to Figure 8 for the following five steps:

① Angle baffle filter toward back of hood.
 ② Push baffle filter up until almost level.
 ③ Slide forward into recess behind the front of hood.
 ④ Lower baffle filter.
 ⑤ Slide back until it fits into resting positions.

11. Repeat Step 12 to install all stainless steel baffle filters.
 12. Turn power ON in control panel. Check all lights and fan operations.
 13. Make sure to leave this Installation Guide for the homeowner.

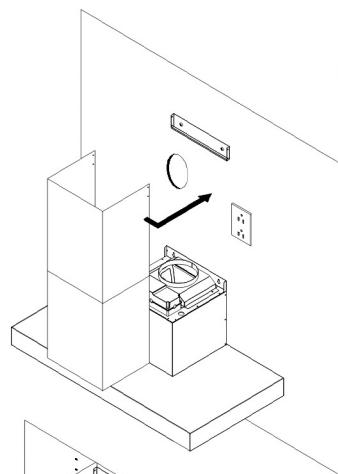


Figure 5

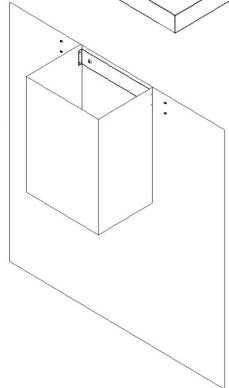


Figure 6

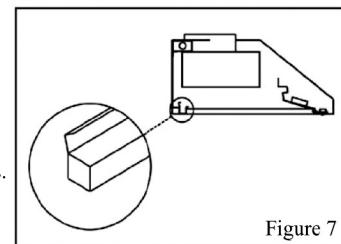
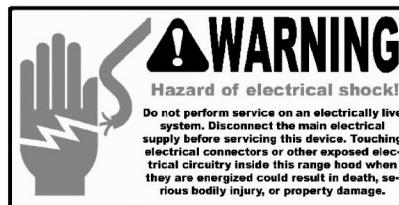


Figure 7

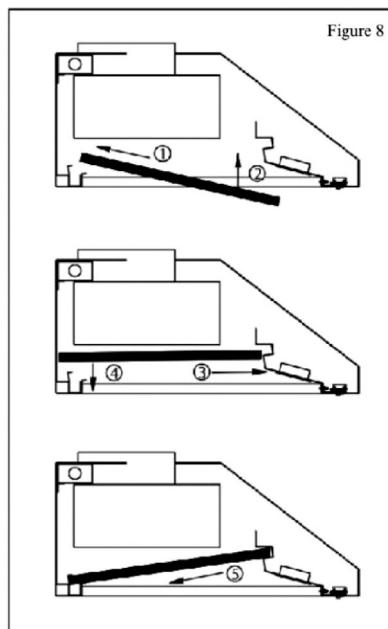
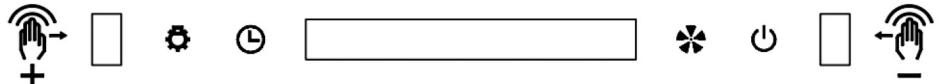


Figure 8

RANGE HOOD OPERATIONS

Gesture Control Instructions



1. From left to right: Lighting Key (K1), Timer Key (K2), LED Display, Speed Key (K3), Power Key (K4).
2. When the power supply is connected, all indicator lights will turn on and then off after 1 second. Press K4 to open the hood.
3. When the hood is on, press K3 to activate Fan Speed 1; press it again to activate Fan Speed 2, and so on to activate Fan Speed 3 and 4. The fan speed cycles as follows: 1→2→3→4→0→1→2→3→4.
4. If the fan is operating at any speed, press K2 to enable Timer Mode. The default timer is 3 minutes, and the countdown will start immediately. Alternatively, press K2 or K3 to set the desired timer (maximum 15 minutes).
5. Press K1 to turn the light on or off. Touch and hold K1 to adjust the light's brightness from 0% to 100% as needed.
6. **Gesture control:** Swipe your hand from left to right to activate Fan Speed 1; swipe again to activate Fan Speed 2, 3, and 4 in sequence. Conversely, swipe your hand from right to left to decrease the speed level.

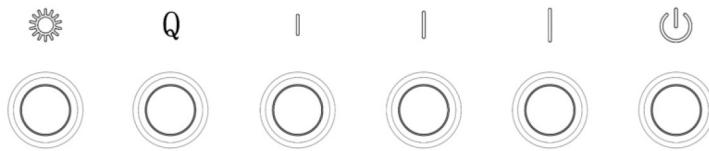
Please Note:

1. Press and hold K2 for 3 seconds to turn on/off the gesture sensing function (Note: only valid in non-working state)
2. Please wave your hand quickly through the right&left sensing window, and the distance between your hand and the panel should be <10cm.

Optional

This hood switch control can be operated by remote controller if wanted.

Button Control Instructions



Light

Press the Light button once and the lamps will turn on.

Press the Light button again and the lamps will turn off.

Press and Hold the Light button to adjust the Brightness of the lamps. Release the Light button until the desired brightness is reached.

The Light button operates independently from the Power button. It works even when the range hood is not turned on.

Always turn off the Lights before powering off the range hood.

Power

Press the Power button once and the hood will be activated.

Press the Power button again will activate the Delayed Auto Shutoff function.

Press the Power button the 3rd time will shutoff the range hood immediately.

Delayed Auto Shutoff Function

When the hood is operating in any speed, press the Power button once will activate the Delayed Auto Shutoff function. The range hood will shutoff automatically in 3 minutes.

While the Delayed Auto Shutoff function is activated, press the Power button again and the hood will shutoff immediately.

Speed Control

Note

The Power button must be pressed once before any speed mode can be selected.

Quiet Mode

Press the Q button will activate the quiet mode.

The range hood in the quiet mode will run at the lowest speed and generate less noise. Perfect for light cookings.

Low Speed Mode

Press the Low Speed button will activate the hood at Low speed.

Medium Speed Mode

Press the Medium Speed button will activate the hood at Medium speed.

High Speed Mode

Press the High Speed button will activate the hood at High speed.

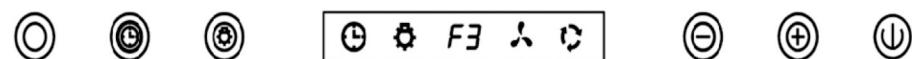
Selecting Speed Modes

Press the Power button once to activate the hood. The LED on the Power button will be illuminated.

Press one of the four speed button to activate the desire speed. The LED on the speed button will be illuminated accordingly.

To switch to a different speed mode, press a different speed button. The LED on the speed button will be illuminated accordingly.

Touch Control Instructions



Buttons from right to left

Power Control (On/Off):

- Please press the *Power Control* button before pressing *Increase +* button or *Decrease -* button to turn on the blower.
- Please press the *Power Control* button again to turn off the blower.

Blower Speed Selection:

- While the power is on, press *Increase +* or *Decrease -* button to start the blower. Press *Increase +* button to increase blower speed (F1 to F4) as indicated in LCD panel. The *Increase +* button cycles blower settings from off (00), quiet speed (F1), low speed (F2), medium speed (F3) to high speed (F4).
- While the range hood is on and the blower is running, press *Decrease -* button to decrease blower speed (F4 to F1) as indicated in LCD panel.

Light Control:

- Press *Light Control* button once to turn on the lights, and once again to turn off the lights.
- The *Light Control* button operates independently from the *Power Control (On/Off)* button. Pressing the *Power Control* button will not turn LED lights ON or OFF. While *Light Control* button will be affected by the power-off delay function. Activating the delay function will turn LED lights OFF immediately.

Power-Off Delay Function:

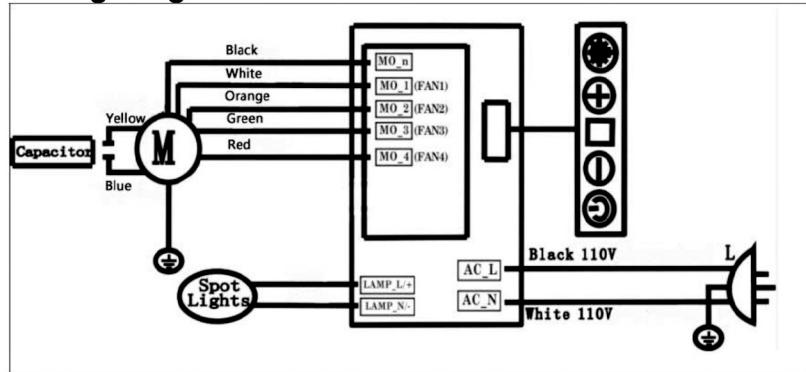
- While the range hood is on and the blower is running in normal mode, press *Power-Off Delay* button to activate delay off timer and “Power-Off Delay” icon will appear in LCD panel.
- Adjust to desired period of delay off timer by pressing *Increase +* or *Decrease -* button (minimum 1 minute to maximum 15 minutes).
- Timer begins to countdown immediately, when it reaches 0, both the blower and light will shut off immediately.

Remote Control:

- Remote control sensor receives infrared (IR) signal from the remote control. The maximum distance for IR data transmission is 3 meter (10 ft.) and requires direct line of sight. The transmission distance may vary depending on temperature and remote control battery condition.

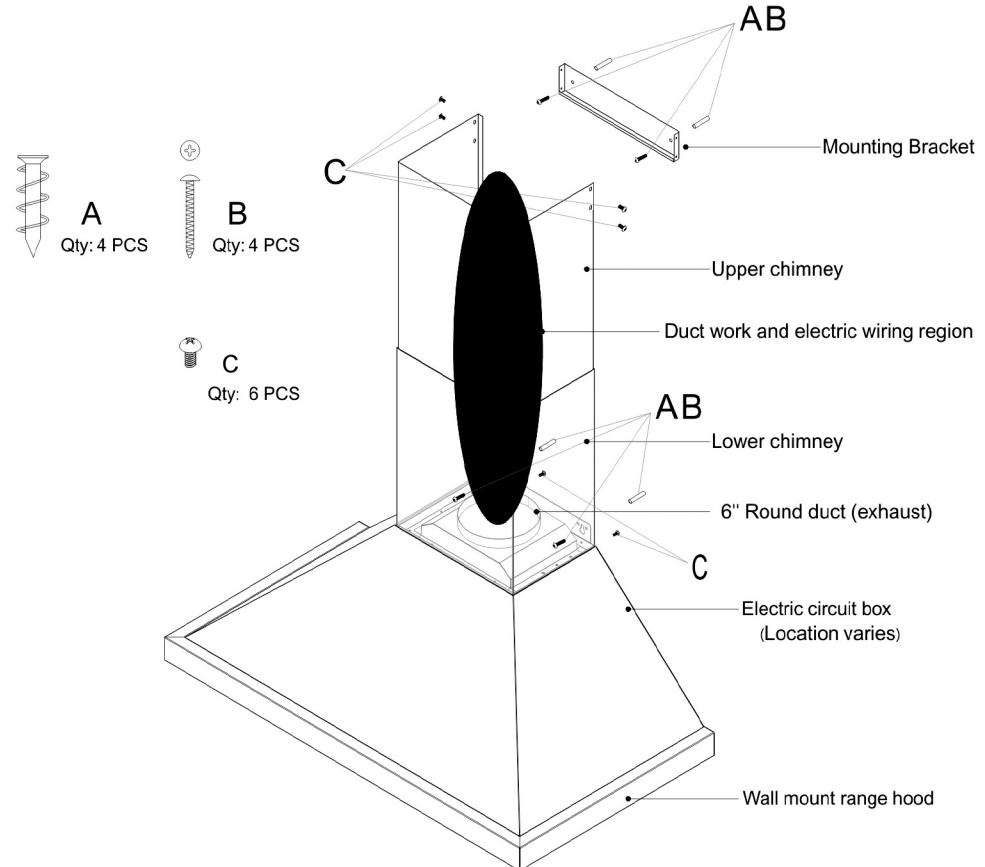
Note: Light settings are independent from other settings (including power-off delay) and lights have to be manually turned on or off.

Wiring Diagrams

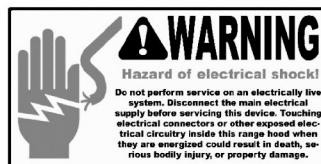


Measurements and Diagrams

Installation Overview:



Troubleshooting



1. If the range hood or halogen light does not operate after installation:
 - Check if the range hood has been plugged in, make sure that all power has been turned back ON, fused not blown and all electrical wiring are properly connected.
 - Swap out light assembly to working ones to determine whether it is caused by defective bulbs. See *Replacing the light bulbs* on Page 19.
2. The range hood vibrates when the blower is on:
 - The range hood might not have been secured properly on to the ceiling or wall. Check with your installer
3. The blower or fan seems weak:
 - Check that the duct sized used is at least 6". Range hood WILL NOT function efficiently with insufficient duct size. For example: 8" duct over 6" hole and loosely secured.
 - Check if duct is clogged or if damper unit (half-circular flapper) is not installed correctly or opening properly. A tight mesh on a side wall cap unit might also cause restriction to the air flow.
4. The lights work but the blower is not spinning at all, is stuck or is rattling.
 - The blower might be jammed or scraping the bottom due to shipping damage. Please contact us immediately.
5. The hood is not venting out properly:
 - Make sure the distance between the stove top and the bottom of the hood is within* 28" and 31" in distance. **Due to different ceiling height configurations, recommended height may not be applicable.*
 - Reduce the number of elbows and length of duct work. Check if all joints are properly connected, sealed, and taped.
 - Make sure the power is on high speed for heavy cooking.
6. Purpose of the slots/holes/openings near the top of the upper chimney:
 - These slots/holes/openings are used to exhaust cleaned air with optional re-circulating kit. If you did not install one, you do not need them.

NOTE: For all other inquiries, please contact your local reseller.

Use and Care Information

Operations:

- Read and understand all instructions and warnings in this manual before operating the appliance. Save these instructions for future reference.
- Always leave safety grills and filters in place. Without these components, operating blowers could catch on to hair, fingers and loose clothing.
- NEVER dispose cigarette ashes, ignitable substances, or any foreign objects into blowers.
- NEVER leave cooking unattended. When frying, oil in the pan can easily overheat and catch fire. The risk of self combustion is higher when the oil has been used several times.
- NEVER cook on "open" flames under the range hood. Check deep-fryers during use: Superheated oil may be flammable.

Cleaning:

- The saturation of greasy residue in the blower and filters may cause increased inflammability. Keep unit clean and free of grease and residue build-up at all times to prevent possible fires.
- Filters must be cleaned periodically and free from accumulation of cooking residue (see *cleaning instructions* on Page 19). Old and worn filters must be replaced immediately.
- Do not operate blowers when filters are removed. Never disassemble parts to clean without proper instructions. Disassembly is recommended to be performed by qualified personnel only. Read and understand all instructions and warnings in this manual before proceeding.

Specifications

Specifications:	
Body	Stainless Steel
Power Rating	120V / 60Hz (USA & Canada standard)
General Input Power	236 W (230W + 2x3W)
Motor Input Power	230 W
Motor Revolution	900 RPM ($\pm 10\%$) to 1300 RPM ($\pm 10\%$)
Levels Of Speed Control	4 Levels
Air Pressure	150 Pa (200 Pa Maximum)
Motor Type	Single Chamber Ultra Quiet
Fan Type	Centrifugal / Sirocco
Control Type	Button/Gesture/Touch/Remote
Filtration Type	Stainless Steel Baffle Filter
Illumination	LED 3W Type 120V
Venting Size	Top, 6 Inches Round
Interference Protection	Radio Frequency Interference Protected

* Subject to change without notice, please contact your local reseller for details.

Maintenance

SAFETY WARNING: Never put your hand into area housing the fan while the fan is operating!

For optimal operation, clean range hood and all baffle/spacer/filter/grease tunnel/oil container regularly. Regular care will help preserve the appearance of the range hood.

Cleaning Exterior surfaces:

- Clean periodically with hot soapy water and clean cotton cloth. Do not use corrosive or abrasive detergent (e.g. Comet Power Scrub®, EZ-Off® oven cleaner), or steel wool/scoring pads, which will scratch and damage the stainless steel surface. For heavier soil use liquid degrease such as "Formula 409®" or "Fantastic®" brand cleaner.
- If hood looks splotchy (stainless steel hood), use a stainless steel cleaner to clean the surface of the hood. Avoid getting cleaning solution onto or into the control panel. Follow directions of the stainless steel cleaner. **CAUTION: Do not leave on too long as this may cause damage to hood finish.** Use soft towel to wipe off the cleaning solution, gently rub off any stubborn spots. Use dry soft towel to dry the hood.
- After cleaning, you may use non abrasive stainless steel polish such as 3M® or ZEP®, to polish and buff out the stainless luster and grain. Always scrub lightly, with clean cotton cloth, and with the grain.
- DO NOT allow deposits to accumulate or remain on the hood.
- DO NOT use ordinary steel wool or steel brushes. Small bits of steel may adhere to the surface and cause rusting.
- DO NOT allow salt solutions, disinfectants, bleaches, or cleaning compounds to remain in contact with stainless steel for extended periods. Many of these compounds contain chemicals, which may be harmful. Rinse with water after exposure and wipe dry with a clean cloth.

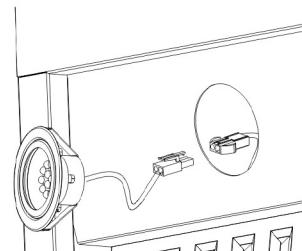
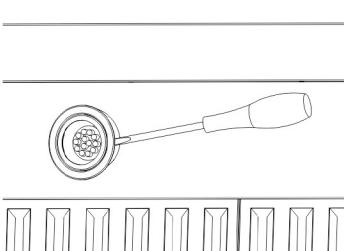
Cleaning Aluminum Grease Filter / Stainless Steel Filterless Grill:

IMPORTANT: Drain oil from oil containers before oil and residue overflow!

- The metal filters fitted by the factory are intended to filter out residue and grease from cooking. It need not be replaced on a regular basis but are required to be kept clean.
- Filters should be cleaned after every 30 hours of use.
- Remove and clean by hand. Spray "Formula 409®" or equivalent degreasing detergent and leave to soak if heavily soiled. Dry filters and re-install before using hood.

Replacing Filters:

- Should filters wear out due to age and prolonged use, please contact your local reseller for replacement filters.
- Note: Also replace damaged filter that has punctured or broken mesh, bent or broken frame.
- Make sure the range hood is unplugged or turn OFF breaker.
- Make sure the lights are cool to touch, carefully align the arrow on the inner ring with the arrow on the outer ring where it says OPEN. The inner ring will loosen and the light bulb will be available for removal. Install a new halogen light bulb and reverse the steps.
- Turn ON breaker and range hood to test for operation.



Warranty

TO OBTAIN SERVICE UNDER WARRANTY:

You must present proof of original purchase date.

Please provide an original dated proof of purchase (sales receipt / invoice) in order to obtain service under warranty.

Five Year Parts Warranty:

For five year from the date of original purchase, your local reseller will provide free of charge, non-consumable replacement parts or components that failed due to manufacturing defects. Subject to the conditions and limitations set forth below, your local reseller will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. Repaired parts or replacement products will be provided by your local reseller on an exchange basis, and will be either new or refurbished to be functionally equivalent to new. The consumer is responsible for all shipping costs. Consumable parts not covered by this warranty include but not limited to: Light bulbs, metal, aluminum and charcoal filters.

Who is Covered:

This warranty is extended to the original purchaser for products purchased for ordinary home use.

This Warranty Will Be Voided When:

Product damaged through negligence, improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, or any unauthorized disassembly, repair, modification, or failure to follow installation instructions. When product is used commercially or other than its intended purpose. Damaged because of improper connection with equipment of other manufacturers. Repaired or modified by anyone other than your local reseller's authorized agents. This limited warranty also does not apply to any product on which the original identification information has been altered, obliterated or removed, has not been handled or packaged correctly or has been sold as second-hand.

What is Not Covered:

Consumable parts such as light bulbs, metal and charcoal filters. The natural wear of finish, and wear due to improper maintenance, use of corrosive and abrasive cleaning products, pads, and oven cleaner products. Chips, dents or cracks due to abuse, misuse, freight damage, or improper installation. Damage of product caused by accident, fire, floods or act of God. The manufacturer and/or distributor/reseller is not liable for, and does not cover under warranty, any loss of properties or any costs associated with removing, servicing, installing, or determining the source of problems with this product.

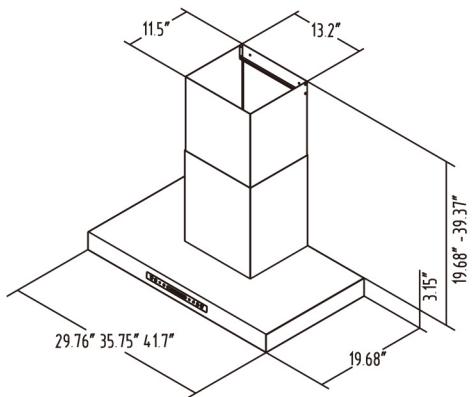
This warranty is valid in the country of the original purchase at retail. It is non-transferable and applies only to the original purchaser and does not extend to subsequent owners of this product. Any applicable implied warranties, including the warranty of merchantability, are limited in duration to a period of express warranty as provided herein beginning with the date of original purchase at retail and, no warranties, whether express or implied, shall apply to this product thereafter.

To obtain warranty service, you may contact your local reseller from which you purchased this product. Please confirm the terms of your local reseller's policies prior to contacting. Typically, you must include product identification information, including model number and serial number with a detailed description of the problem you are experiencing. You must also include proof of the date of original retail purchase as evidence that the product is within the applicable warranty period.

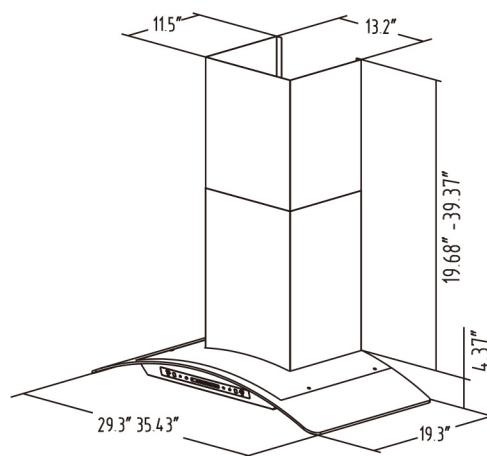
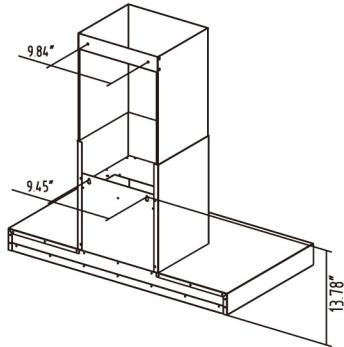
Measurements and Diagrams (Continued)

- All inch measurements are converted from millimeters, thus inch measurements are estimated.

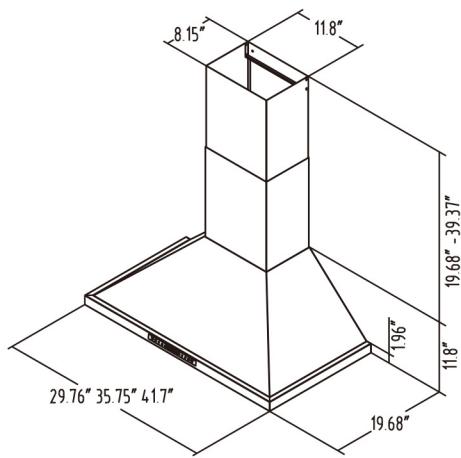
Overall:



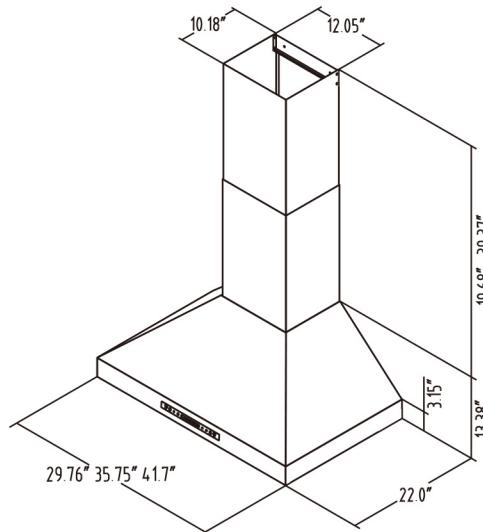
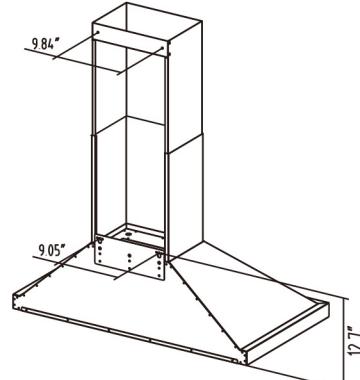
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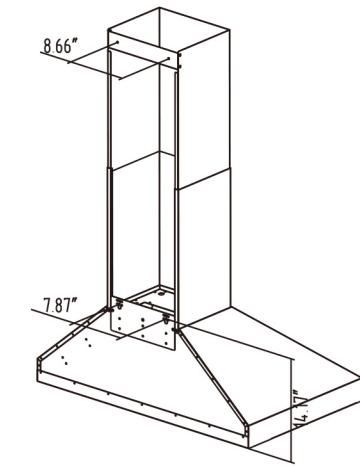
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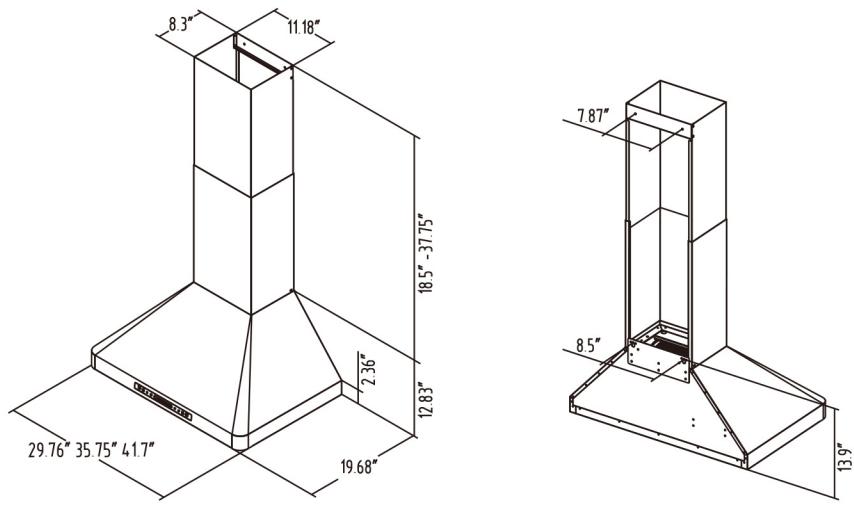


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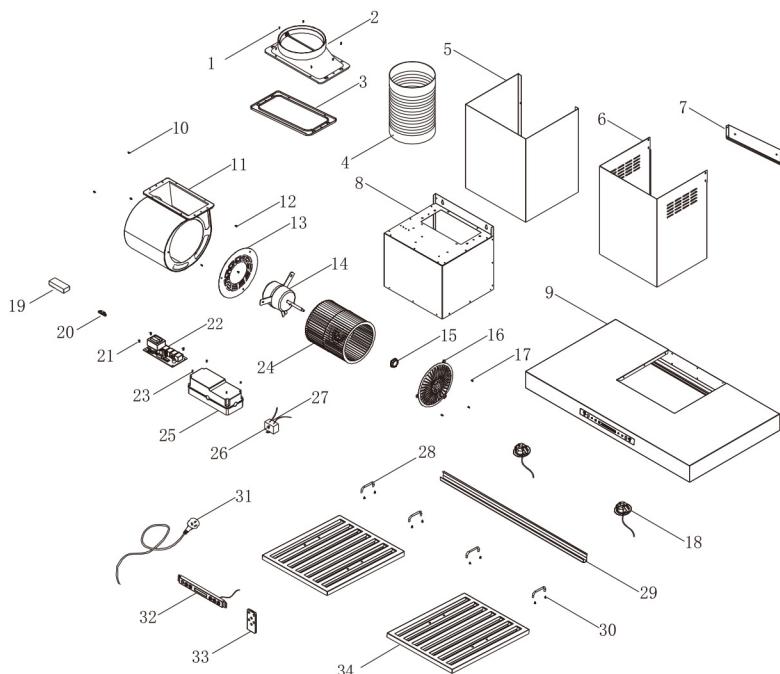




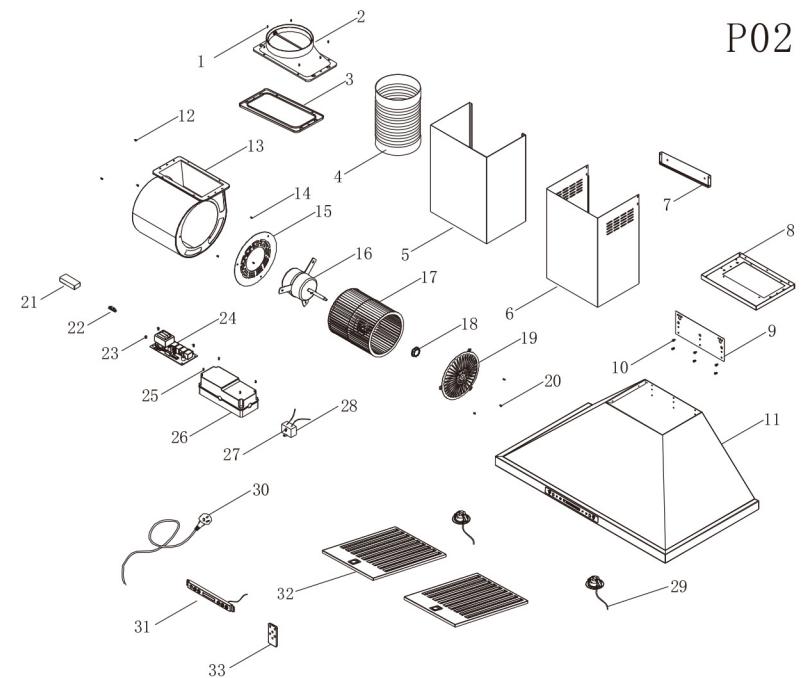
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P01

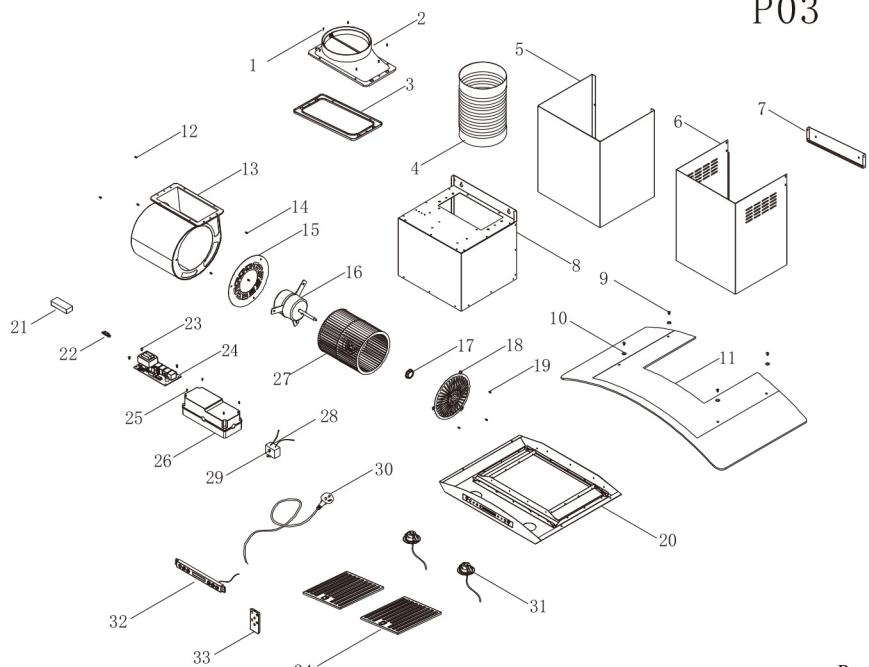
EXPLODED DIAGRAM



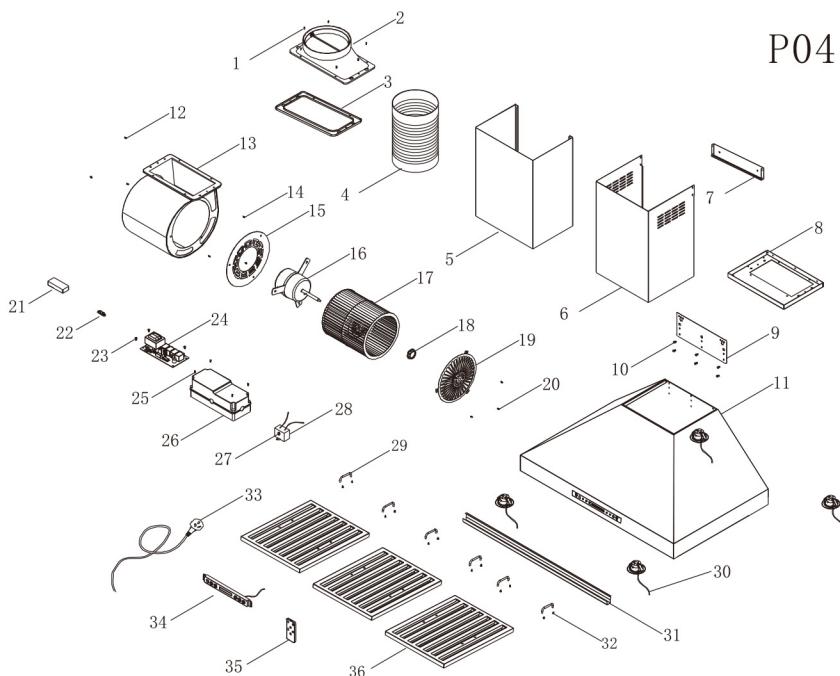
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P03



P04



P02-R

