

Installation Guide & User Manual

Version: IKB01/ IKB02 SERIES

Built-In/Inserted Series Mount Range Hood

6" Diameter Round Top Vent Only

iKTCH

iKTCH www.iktch.com

RANGE HOOD



STOP and read! Test before installing

1. Please unpack the range hood and accessories carefully.
2. Remove the baffle 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



BAFFLE FILTER



HIGH AIRFLOW



POWERFUL MOTOR



LOW NOISE OPERATION

www.iktch.com



Elements /by/ iKTCH

Contact your local seller for exchange or repair.

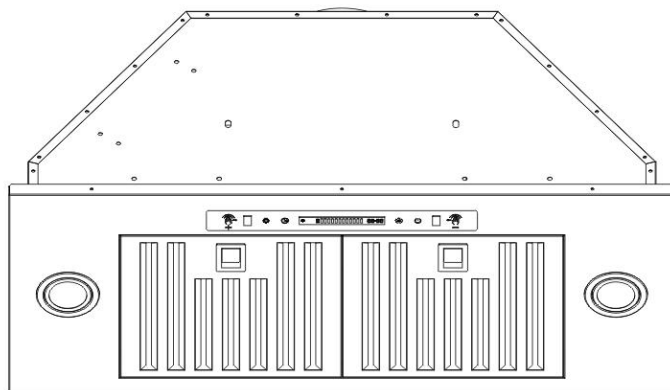
Visit: www.iktch.com for most updated information.

Email to info@iktch.com for technical support and sales activity.

IKB01 Series

Model No.: IKB01- (30")

IKB01- (36")

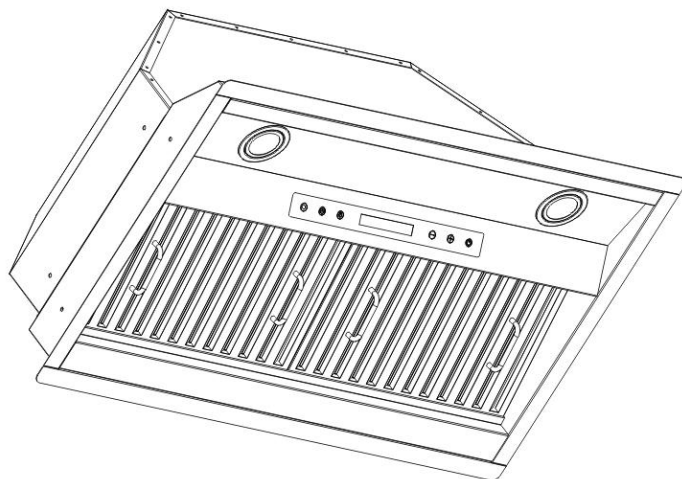


IKB02 Series

Model No.: IKB02- (30")

IKB02- (36")

IKB02- (42")



IMPORTANT READ THIS FIRST

READ BEFORE INSTALLATION

1. Carefully check all contents of packages.
2. Thoroughly inspect the unit for any shipping damages, cosmetic damages or defects.
3. Have a certified contractor/ electrician test the unit before installation.

IF THERE IS ANY PROBLEM:

1. **DO NOT INSTALL THE UNIT AND KEEP ALL ORIGINAL PACKAGING MATERIAL.**
2. Have your original invoice as proof of purchase and product serial number ready.
3. Contact your merchant for product replacement due to shipping damages, cosmetic damages or defects.
4. For all other issues, email info@iktch.com

IMPORTANT SAFETY INSTRUCTIONS

- PLEASE READ THIS SECTION CAREFULLY BEFORE INSTALLATION -

⚠ WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY, OBSERVE THE FOLLOWING:

- 1) Installation and electrical wiring must be done by qualified professionals and in accordance with all applicable codes and standards, including fire-rated construction.
- 2) When cutting or drilling into wall or ceiling, be careful not to damage electrical wiring or other hidden utilities.
- 3) Ducted fans must be vented to the outside.
 - a) Before servicing or cleaning unit, open the light panel and SWITCH POWER OFF AT SERVICE PANEL.
 - b) Clean all grease-laden surfaces frequently. To reduce the risk of fire and to disperse properly, make sure to vent air outside. DO NOT vent exhaust air into wall spaces, attics, crawl spaces or garages.

- NOTE
- This warranty is invalid without an authorized agent's receipt or if unit is damaged due to misuse, poor installation, improper use, mistreatment, negligence or any other circumstances beyond the control of IKTCH RANGE HOODS authorized agents. Any repair carried out without the supervision of IKTCH RANGE HOODS authorized agents will automatically void the warranty.
 - IKTCH RANGE HOODS will not be held responsible for any damages to personal property or real estate or any bodily injuries whether caused directly or indirectly by the range hood.

⚠ WARNING: TO REDUCE THE RISK OF PERSONAL INJURY IN THE EVENT OF A RANGE TOP GREASE FIRE:

1. Keep all fan, baffle/spacer/filter/oil tunnel/oil container and grease-laden surfaces clean. Grease should not be allowed to accumulate on fan, baffle/spacer/filter/oil tunnel/oil container.
2. Always turn hood ON when cooking.
3. Use high settings on cooking range ONLY when necessary.
4. Do not leave cooking range unattended when cooking.
5. Always use cookware and utensils appropriate for the type and amount of food prepared.
6. Use this unit only in the manner intended by the manufacturer.
7. Before servicing, switch power off at service panel and lock service panel (if possible) to prevent power from switching on accidentally.
8. Clean ventilating fan frequently.

What to Do In The Event Of a Range Top Grease Fire

- ☒ SMOTHER FLAMES with a tight fitting lid, cookie sheet, or metal tray, and then turn off the burner. KEEP FLAMMABLE OR COMBUSTIBLE MATERIAL AWAY FROM FLAMES. If the flames do not go out immediately, EVACUATE THE AREA AND CALL THE FIRE DEPARTMENT or 911.
- ☒ NEVER PICK UP A BURNING PAN – You May Get Burned.
- ☒ DO NOT USE WATER, including wet dishcloths or towels – a violent steam blast will result.
- ☒ Use an extinguisher ONLY if:
 - a) You have a Class A, B, C extinguisher and know how to operate it.
 - b) The fire is small and contained in the area where it started.
 - c) The fire department has been called.
 - d) You can fight the fire with your back to an exit.

What to DO If You Smell Gas

- ☒ Extinguish any open flame.
- ☒ Do not try to 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 right away.

⚠ CAUTION

1. For general ventilation use only. Do not use to exhaust hazardous or explosive materials and vapors.
2. To reduce the risk of fire, use only metal ductwork. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) to prevent back drafting.
3. 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 code authorities.
4. Turning any switch on may cause ignition or an explosion.
5. Due to the size and weight of this hood, two people installation is recommended.

⚠ WARNING



ELECTRICAL SHOCK HAZARD – Can result in serious injury or death. Disconnect appliance from electric power before servicing. If equipped, the fluorescent light bulb contains small amounts of mercury, which must be recycled or disposed of according to Local, State, and Federal Codes.

INSTALLATION

PLEASE READ ENTIRE INSTRUCTIONS BEFORE PROCEEDING

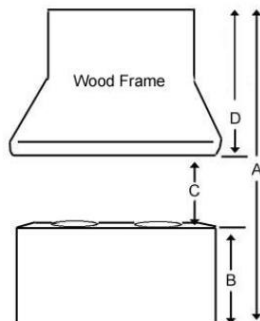
Calculation before Installation

To calculate installation, please refer to TABLE 1. (All calculation in inches).

- FOR BUILT-IN / INSERT -

TABLE 1

A = Height of Floor to Ceiling
 B = Height of Floor to Counter Top
 (Standard: 36")
 C = Height of Counter Top to Wood Frame
 Bottom (Recommended 26" to 30")
 D = Height of Wood Frame



SAFETY WARNING

- ☒ HOOD MAY HAVE SHARP EDGES; PLEASE WEAR PROTECTIVE GLOVES IF REMOVING ANY PARTS FOR INSTALLING, CLEANING, OR SERVICING.
- ☒ BE CAREFUL WHEN USING ELECTRICAL SCREWDRIVER, DAMAGE TO THE HOOD MAY OCCUR. USING HAND TOOLS IS RECOMMENDED. DO NOT OVER TIGHTEN SCREWS.
- ☒ MAKE SURE TO PREVENT ANY DEBRIS FROM ENTERING THE VENT OPENING TO AVOID DAMAGE OR MALFUNCTION.

INSERT INSTALLATION

Before Installation

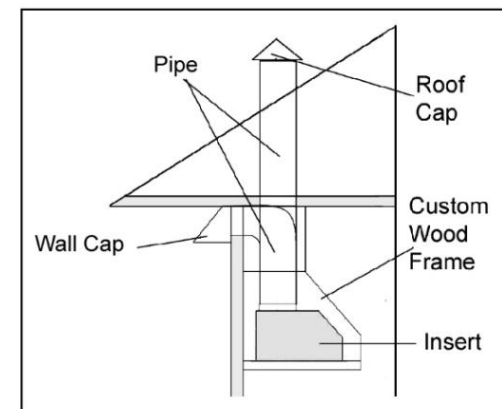
1. Read any provided document(s).
2. Test the range hood by temporarily connecting it to an outlet and turning the fan and lights ON.
3. If you run into any problems, contact IKTCH Range Hoods.

Venting Requirements

4. This range hood has a top 6" Round exhaust (default).
5. Decide the location of the venting pipe from the hood to the outside. A straight, short vent run will allow the hood to perform more efficiently. Try to avoid elbows, transitions, and long run as much as possible as this may reduce the performance of the hood. Make sure that the duct work leads to the outside.
6. It is recommended to use metal/aluminum duct/pipe with a uniform size (ex. 6" round pipe from range hood to the outside.)
7. If an elbow is necessary, a minimum of 12" straight run is necessary before the elbow.

Clearance

8. Clearance is the distance between the cooktop and the bottom of the range hood. The recommended minimum clearance for this model is 26" and the maximum clearance is 30".
9. It is important to install the hood at the recommended clearance. Installing too low could result in damage and/or fire hazard while installing too high may result in reduced performance and efficiency.

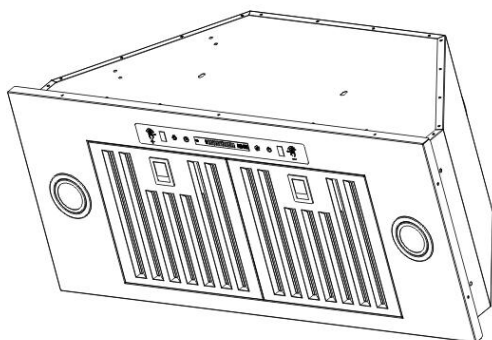


Important: Peel protective film off the hood, if any.

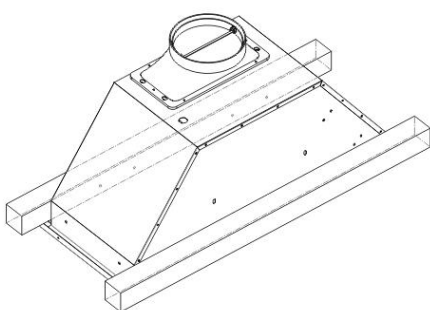
Use duct tape to seal joints between pipe sections.

CAUTION: If moving the cooking range is necessary to install the hood, turn off the power in an electric range at the main electrical box. SHUT OFF THE GAS BEFORE MOVING A GAS RANGE. And use a protective covering to protect cooktop and/or countertop from damage.

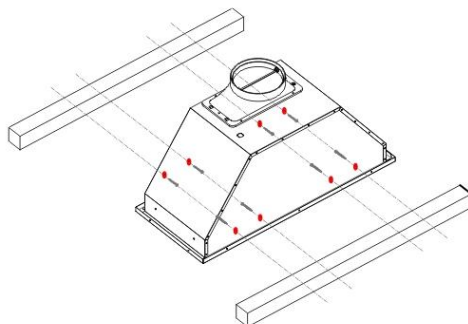
IKB01 SERIES INSTALLATION



1. The hood has to be installed inside the cabinet. It is recommended to install a front and rear stud support. Refer to Figure 1. and figure 2.



1

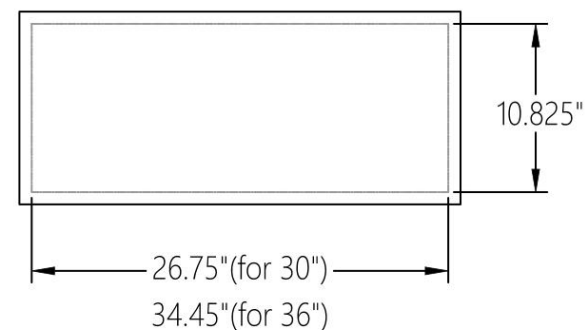


2

2. Determine and mark the centerlines on the base of the wood frame where the insert will be installed.

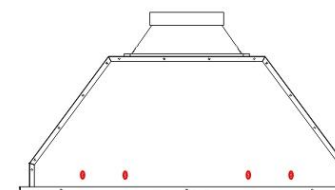
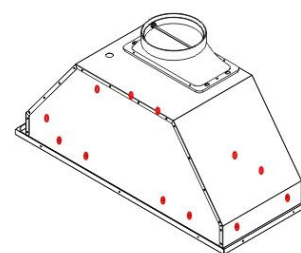
3. Determine and make all necessary cuts in the wall or ceiling for the ductwork.
Note: Install the duct work before installing the insert.

4. Cut out the opening where the insert will be installed. Refer to Figure 3

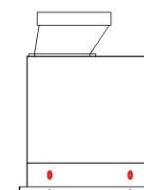


3

5. Slide the hood to the opening.
6. The hood could be installed a front and rear stud support, it also could be installed a left and right stud support. front side and rear side have 8 holes, each side has 4 holes, left side and right side have 4 holes, each side has 2 holes refer to figure 4.



4



7. Locate the screw holes on each side of the insert.

Adjust the level of the hood casing support according to the thickness of the base.

8. Secure the hood using the screw holes that are located at the front and back or left and right of the unit (screws provided). Refer to figure 4

9. Make sure the hood casing support is secure before releasing.

Ductwork

1. Attach the vent adapter to the exhaust opening
2. Connect the pipe to the vent adapter and seal the joint with duct tape. Make sure it is completely air tight.

Electrical Wire

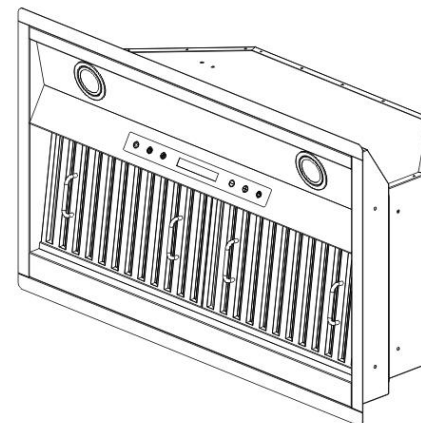
1. Connect the range hood to an outlet.
2. If hardwired is desired, cut off the plug and connect three wires (black, white, green) to the outlet wires and cap with wire connectors. Connect the wires according to color (ex: black to black).

Finish

1. Remove any protective film from the hood.
2. Before using, make sure that any accessories such as baffle filters are properly installed where applicable.
3. Test the range hood to see if it is working properly.

THIS RANGE HOOD MUST BE PROPERLY GROUNDED. MAKE SURE THIS IS DONE BY A 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.

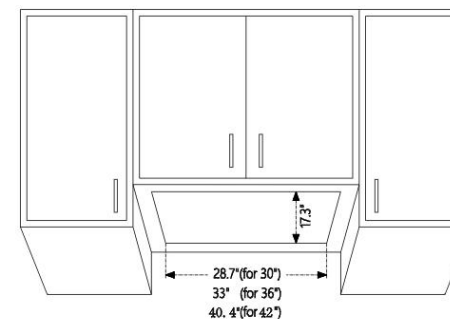
IKB02 SERIES INSTALLATION



Custom Hood Preparation:

1. The custom hood frame must be designed according to the shape and the weight of the insert. Refer to Measurements and Diagrams
2. A sturdy base (3/4 inch thick plywood recommended) is needed to sustain the weight of insert.
3. Please install the insert hood left & right stud support (not included)
4. Determine and mark the centerlines on the base of the wood frame where the insert will be installed.
5. Determine the proper location for the Power Supply Cable. Make a wiring access hole using a drill bit. Install the wire cable and seal the gap around hole.
6. Cut out the opening where the insert will be installed. (Figure 1)

Cut a hole in the bottom of the cabinet

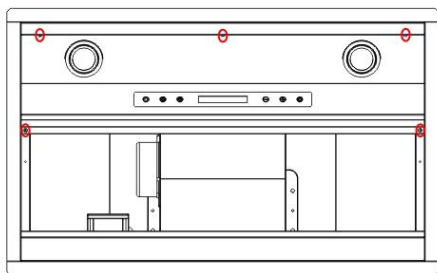


1

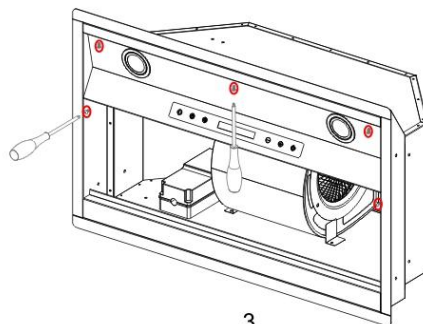
Hood Installation

NOTE: USE HAND TOOLS ONLY. DO NOT OVER TIGHTEN SCREWS. IT MIGHT CAUSED DAMAGED TO THE HOOD.

- 1.Remove 5 screws located at the bottom of the insert (Refer to Figure 2 and figure 3).

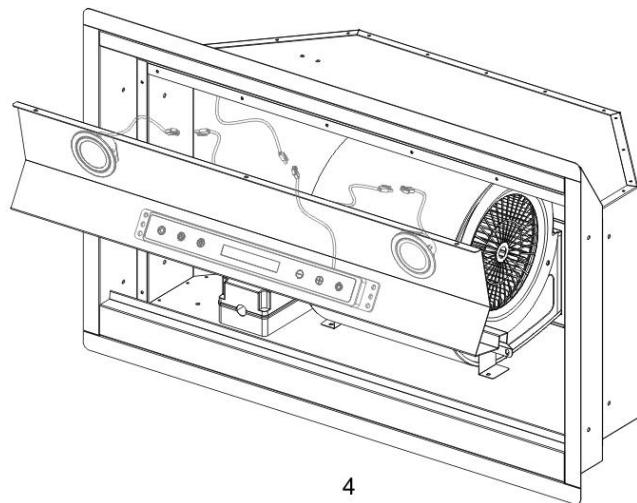


2



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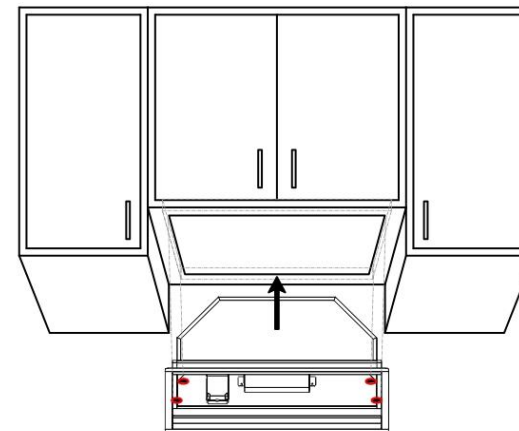
- 2.Disconnect the 2pcs LED lights wire and switch wire, then carefully remove the light support panel from hood body refer to figure 4



4

- 3.Position the insert inside the custom wood frame, refer to figure 5, Secure the insert to the left and right stud support (Refer to Figure 5) by using the left and right mounting holes (Screws included, 2 holes each side).

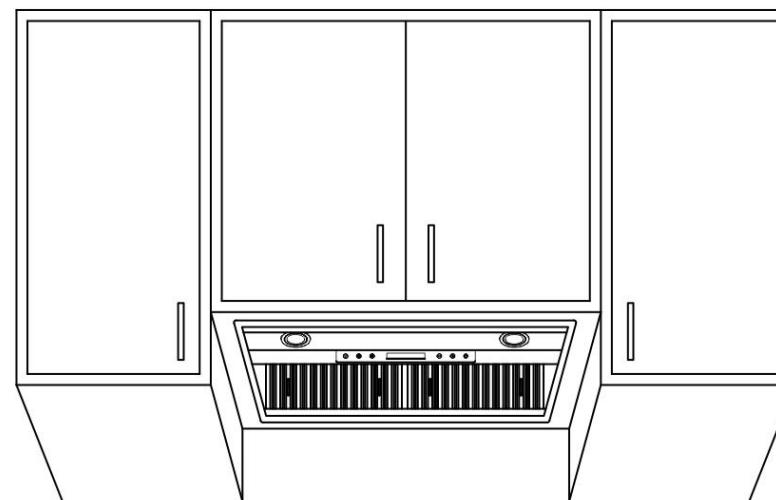
5



- 4.Make sure insert is secure before releasing.

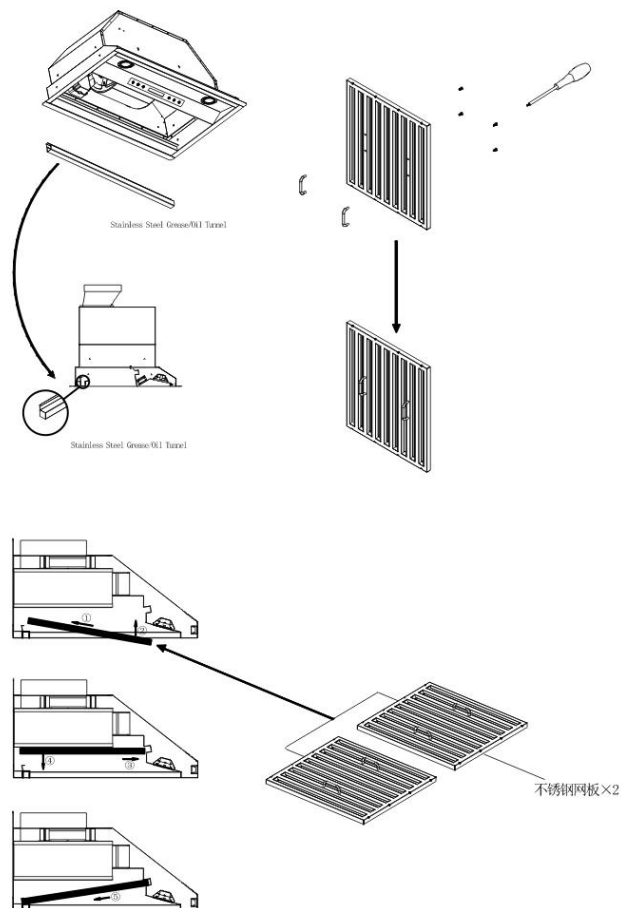
- 5.Re-install the light support panel. (Do not over tighten screws.) Refer to figure 6

6



Final Assembly

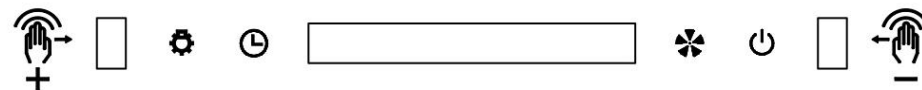
1. Install the oil tunnel into recess support near rear of hood, and assemble the handle to stainless steel baffle filters Refer to Figure 7.
2. Install baffle filters. Angle baffle filter toward back of hood 1 . Push baffle filter up until almost level 2. Slide forward into recess behind the front of hood 3. Lower baffle filter 4. Slide back until it fits into resting position 5. Refer to Figure 7.



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

IKB01/IKB02 SERIES

Control Panel Layout and Buttons Configurations:



1. From left to right side: Lighting Key (K1), Timer Key (K2), LED Display, Speed Key (K3), Power Key (K4)
2. When the power supply connected, all indicate lighting is On and then Off in 1 second. To press K4 to open the hood.
3. When the hood is On, to press K3 to open Fan Speed 1st, to press again to open Fan Speed 2nd, as so forth, to open Fan Speed 3rd and 4th by K3. The Fan Speed is changed as 1-2-3-4-0-1-2-3-4.
4. If there was any fan speed working, to press K2 to open Timer Mode, the default is 3 minutes and do count-down step. Or to press K2 or K3 to set the timer as wanted, the maximum timer is 15 minutes.
5. To press K1 to open or close the lamp. The luminance of lighting can be adjusted from 0% to 100% as wanted by touching K1.
6. **Gesture Control:** to move your hand from left side to right side to open 1st Fan Speed. And again to open 2nd Fan Speed, and 3rd, and 4th.
On the contrary, to move your hand from right side to left to reduce the speed level.

Please Note: when using gesture control function, please make sure to move your hand from 2 signal ports completely.

Optional

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

MAINTENANCE

For optimal performance, clean the range hood surface and baffles regularly.

To Clean Hood Surface

CAUTION: NEVER USE ABRASIVE CLEANERS, PADS, OR CLOTHS.

*** Regular care will help preserve its fine appearance.

1. Use only mild soap or detergent solutions. Dry surfaces using soft cloth.
2. 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.
3. DO NOT allow deposits to accumulate or remain on the hood.
4. DO NOT use ordinary steel wool or steel brushes. Small bits of steel may adhere to the surface and cause rusting.
5. 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 lint free cloth.

For Baffle Filter models only: to Clean Baffle Filter/Oil Tunnel

CAUTION: DRAIN OIL FROM BAFFLE FILTERS, SPACERS & OIL TUNNEL REGULARLY TO PREVENT OVERFLOW.

1. Remove all the baffle filters, spacers and oil tunnel. Note: Not all models have spacers and oil tunnels.
2. Using a sponge, wash with warm soapy water. Dry completely before returning into place.
CAUTION: SHARP EDGES (Note: Baffle Filters are top rack dishwasher safe.)

SPECIFICATIONS

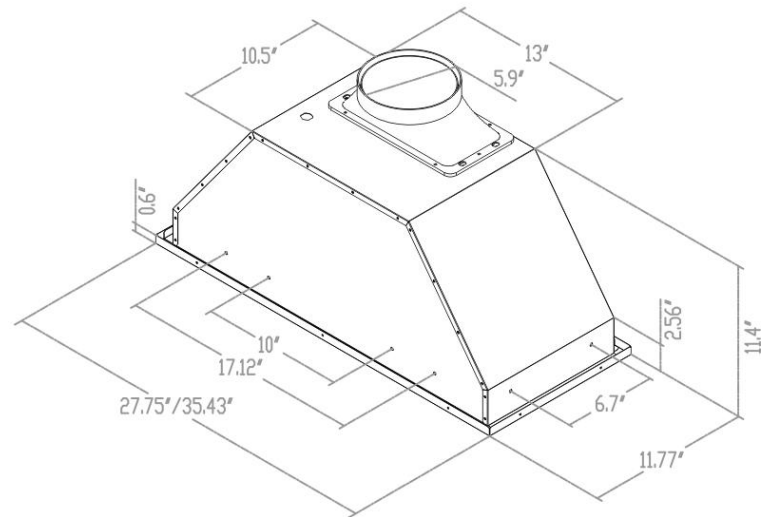
MODEL / SIZE	IKB01-30" IKB01-36" IKB02-30" IKB02-36" IKB02-42"			
COLOR	Stainless Steel			
CONSUMPTION / AMPERE	230W / 2.5A			
NUMBER OF BLOWERS	1			
DESIGN	Seamless / Satin Finish			
BLOWER TYPE	Single Horizontal Squirrel Cage			
EXHAUST	Top 6" Round			
CONTROLS	4 Speeds Electronic Switch			
LIGHTS	3-watt LED Lights x 2			
SPEED	1	2	3	4
Air Capacity (cfm)	300	420	550	900
Sone (dB)*	1	2.2	4.5	6

*One sone is equivalent to the sound of a refrigerator at 40 decibels.

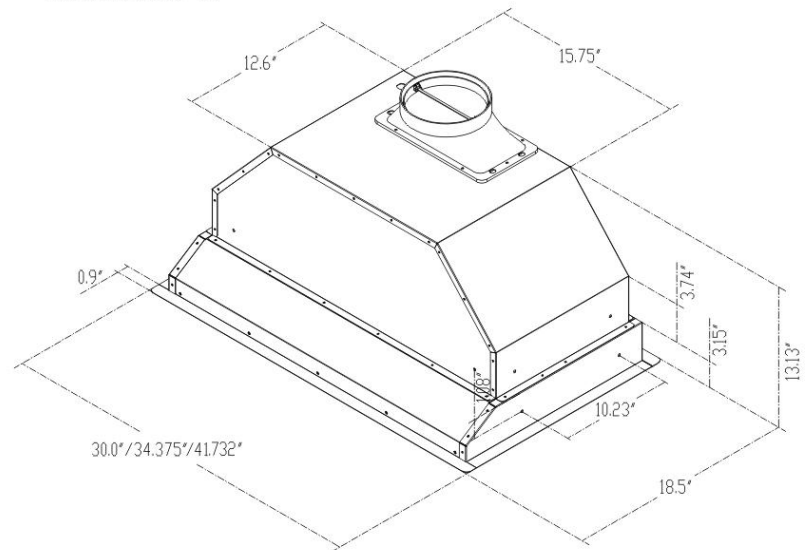
**Specifications subject to change without notice.

MEASUREMENTS & DIAGRAMS

IKB01 SERIES

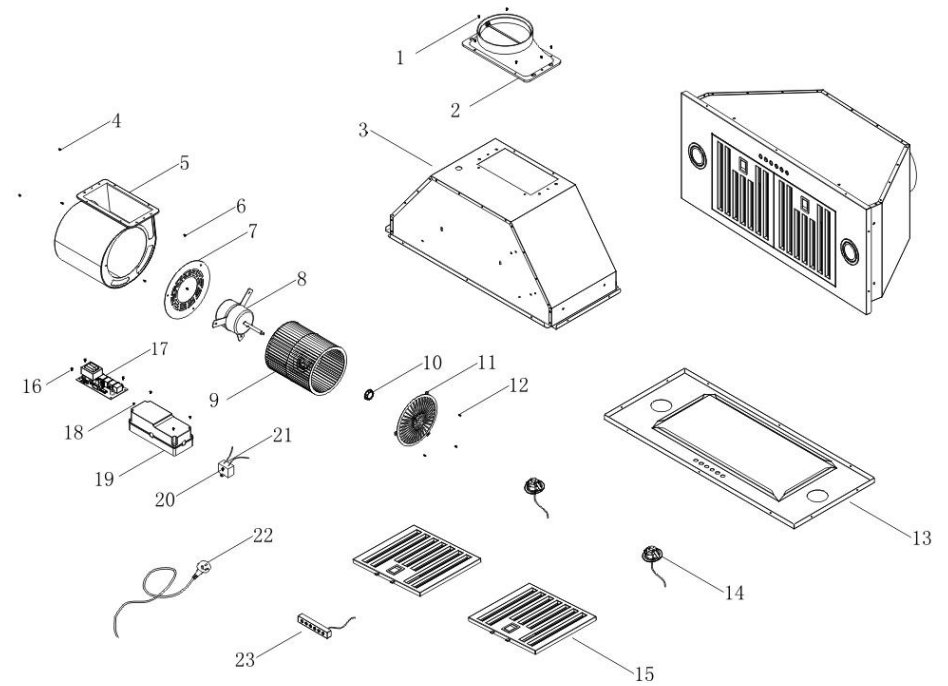


IKB02 SERIES

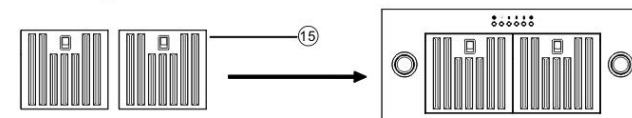


EXPLODED VIEW

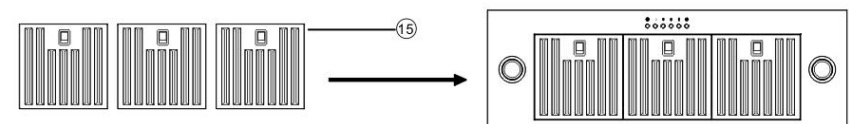
IKB01 SERIES



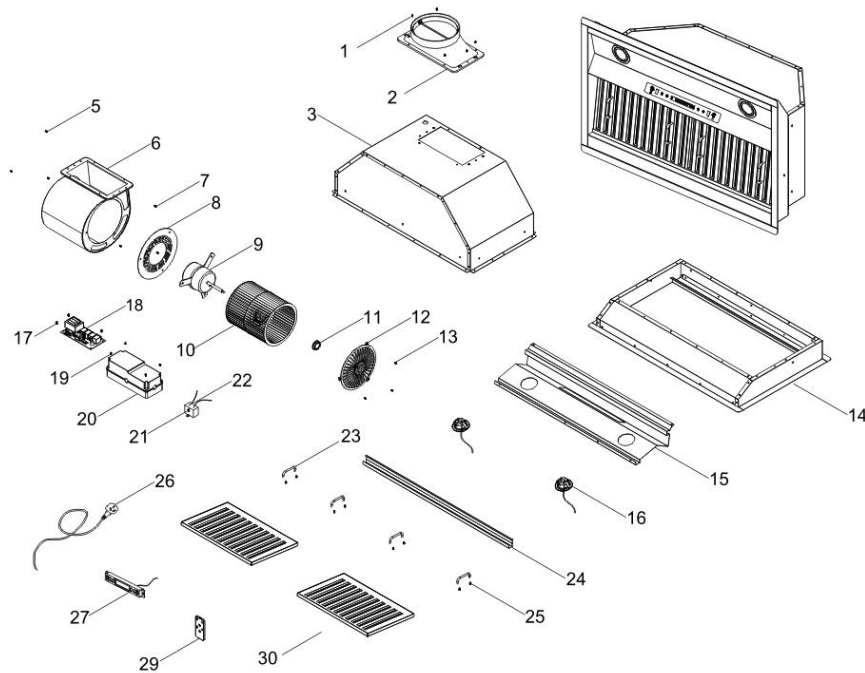
30" Range Hood



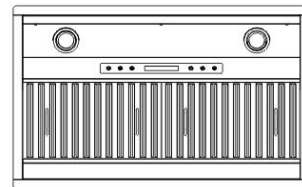
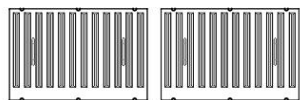
36" Range Hood



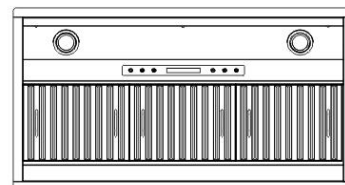
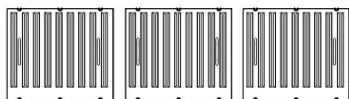
IKB02 SERIES



30" Range Hood



36"/42" Range Hood



iKITCH

Range Hood

Model No: IKB01

Stainless Steel Range Hood

Power 110V - 125V 60Hz 2.5A

Wattage 236W **Thermally Protected**

Suction Capacity: 900CFM



Intertek

5006321

Suitable for use in a household cooking area.
Do not install closer than 25.5 inches above
the cooking surface.
For residential indoor use only.

Conveniente para el uso en un área que cocina casera.
No instale más de 25,5 pulgadas por encima
de la superficie de cocción.
Sólo para uso residencial en interiores.

CONFORMS TO UL STD.507
CERTIFIED TO CSA STD.C22.2 NO.113

Serial No.:

Made In China

iKITCH

Range Hood

Model No: IKB02

Stainless Steel Range Hood

Power 110V - 125V 60Hz 2.5A

Wattage 236W **Thermally Protected**

Suction Capacity: 900CFM



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CONFORMS TO UL STD.507
CERTIFIED TO CSA STD.C22.2 NO.113

Serial No.:

Made In China

TROUBLE SHOOTING

Issue	Possible Cause	Solution
After Installation, both motors and lights are not working.	The power is not on.	Make sure the circuit breaker and the unit's power is ON. Use a voltage meter to check the power supply.
	The wire connection is not secure.	Check and tighten wire connection.
	The control switch is defective.	Replace the control switch.
Lights are working, but motor(s) is not.	The motor(s) is defective.	Replace the motor.
	The capacitor(s) is defective.	Replace capacitor(s).
	The control switch is defective.	Replace the control switch.
The range hood is vibrating.	The blower system is not secure.	Tighten the turbine impeller/squirrel cage and air chamber.
	The turbine impeller/squirrel cage is not balanced.	Replace the turbine impeller/squirrel cage.
	Hood is not secured in place.	Check the installation of hood, tighten the mounting bracket.
The motor is working, but the lights are not working.	LED light fixture(s) is defective.	Replace LED light fixture(s)
	The light wiring(s) is loose.	Check wire continuity from Control Switch to LED Driver to LED light fixture(s).
	The control switch or LED light driver is defective.	Replace the control switch or LED light driver.
The range hood is not venting out correctly.	The range hood is installed outside of the manufacture recommended clearance.	Adjust the clearance between the range hoods and cook top to 26" to 30". For Island range hood, the clearance between the range hoods and cook top is 30" to 36".
	There is no make-up air inside the house.	Open the window to enhance the performance of the range hood by creating a sufficient make-up air.
	Obstacle blocking the pipe work.	Remove all obstacles from the duct work.
	The pipe size is smaller than the suggested pipe size.	Change the ducting according to the manufacture suggestion.
Cold air is coming into the home.	The pipe connection is not properly sealed.	Check the pipe installation.
	The damper is not properly installed or is missing from the installation.	Check the damper installation.
	The damper is not installed.	Installing the damper will help eliminate air backflow.

WARRANTY

SPARE PARTS WARRANTY

5 Years warranty for LED lights and switch control

10 Years warranty for motor and blowers

If any problem, please kind send mail to us with your amazon order ID, We would like to send you spare parts immediately with free of cost

Email: info@iktch.com