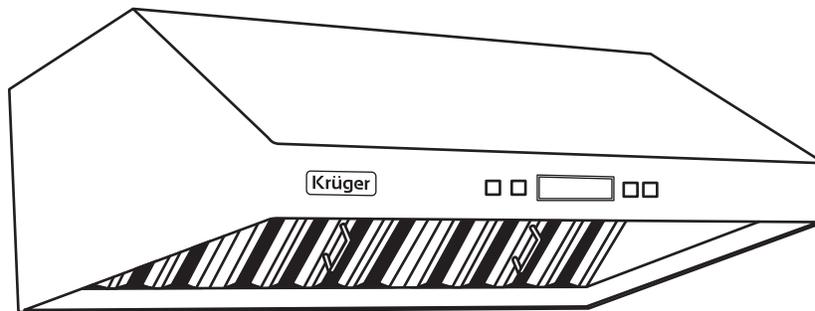




USER MANUAL

ALTO • H



ENGLISH

GETTING STARTED



Thank you for choosing Krüger home appliances!

Please follow the recommendations and guidelines contained in this manual.
This way the appliance will give you consistent high performance and efficiency for many years to come.

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Product Specifications and Technical Parameters

Rated Voltage	110V - 120V
Rated Power Frequency	60Hz
Lighting Power Consumption	2 x 20W Halogen Lights
Motor Power Consumption	120W
Total Power	260W
Motor(s)	1
Duct Adaptor Dimensions	6" (Circular)
Dimensions (KH300)	29 3/4 " (W) x 24 1/8" (D) x 14 1/4 " (H)
Dimensions (KH360)	36 " (W) x 24 1/8" (D) x 14 1/4 " (H)
Weight	
(KH300) Net	46 KG
(KH300) Gross	55 KG
(KH360) Net	55 KG
(KH360) Gross	64 KG
Power Output	
Low	550 CFM
Medium	660 CFM
High	750 CFM

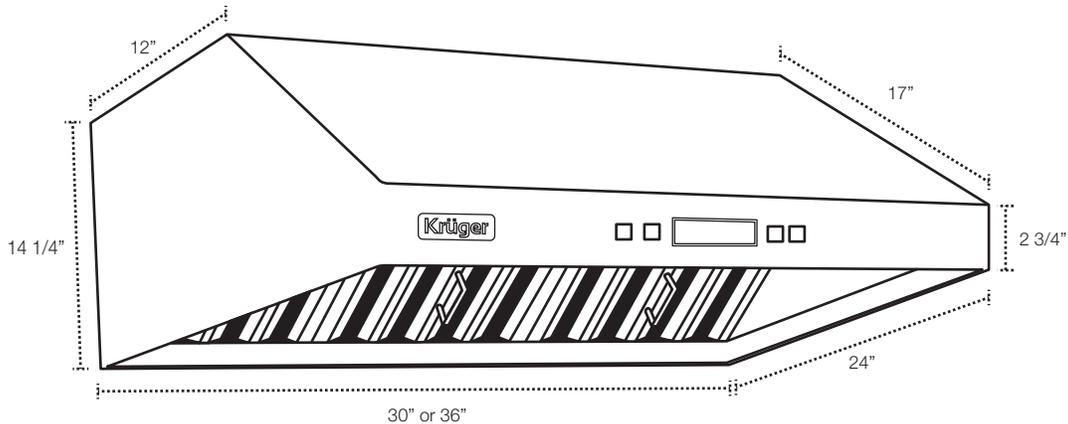
WARNING

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

1. Installation work and electric wiring must be done by a qualified professional in accordance with local applicable codes and standards, including fire-rated construction.
2. The stainless steel structural housing may have sharp edges. Be careful to avoid cuts and abrasions during installation and cleaning.
3. The hood must be placed at a minimum distance of 26" and a maximum of 30" from the cooktop for best capture of cooking impurities, and a minimum distance of 28" from gas range.
4. Provide sufficient air for proper combustion and exhausting of gases through the chimney of the burning equipment to prevent backdraft. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association, and the American Society for Heating, Refrigeration and Air Conditioning Engineer (ASHRAE), and the local code authorities.
5. Ducted fans must always be vented outdoors.
6. This appliance is designed to be operated by adults. Children are not allowed to tamper with the controls or play with this appliance.
7. To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
8. When cutting or drilling into the wall or ceiling, do not damage electrical wiring and other hidden utilities.
9. This unit is meant for household kitchen use only. To ensure your safety, it needs to be connected to a GFCI protected branch circuit.
10. Before servicing or cleaning unit, switch power off at the service panel. This will prevent power from being switched on accidentally.
11. Use this unit only in the manner it is intended for by the manufacturer. If you have any questions regarding the usage of this appliance, please contact the manufacturer or the local agent closest to you.
12. Never leave surface units unattended at high settings. Over boiling can cause smoke and grease spills that may ignite. Heat oils slowly on low or medium settings.
13. Always turn hood ON when cooking at high heat, especially when there is an open flame. ie: Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambé.
14. Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
15. Use proper pan size. Always use cookware appropriate for the size of the surface element.

CHARACTERISTICS

Dimensions



INSTALLATION

NOTE: Installation will require 2 people for easier installation. Please read all instructions carefully before installing.

Pre-Installation

1. If you are renovating your kitchen, be careful to protect your range hood. Volatile gases from building materials, dust, paint and coatings can corrode and tarnish the surface of your range hood. Instead, install your range hood after your kitchen renovation is complete.
2. The stainless steel may have very sharp edges; wear protective gloves when removing the range hood for installing, cleaning or servicing.
3. Be careful not to damage any hidden electrical wiring when drilling into a wall. Unplug the range hood from the power source before installation; the main power box or fuse box should also be switched off.
4. If the gas stove needs to be removed before installing the range hood, make sure to switch off the gas valve completely before moving the gas stove.
5. Always use a power socket with reliable grounding. Compromised power line, extension cords and multi-port wiring devices may lead to electric shorts, causing plugs and sockets to overheat and become fire hazards.
6. Make sure all electrical connection is done by professional electricians, and strictly abide by national and local electric laws and regulations. Switch the power off and take measures to prevent the power switch from accidentally switching on before proceeding.
7. After installation, test run the unit to make sure there is no abnormal operation or malfunction. Read the instruction manual carefully and keep it in a safe place.

Tools



Electric Drill



Drill Bit



Philips Screwdriver



Flathead Screwdriver

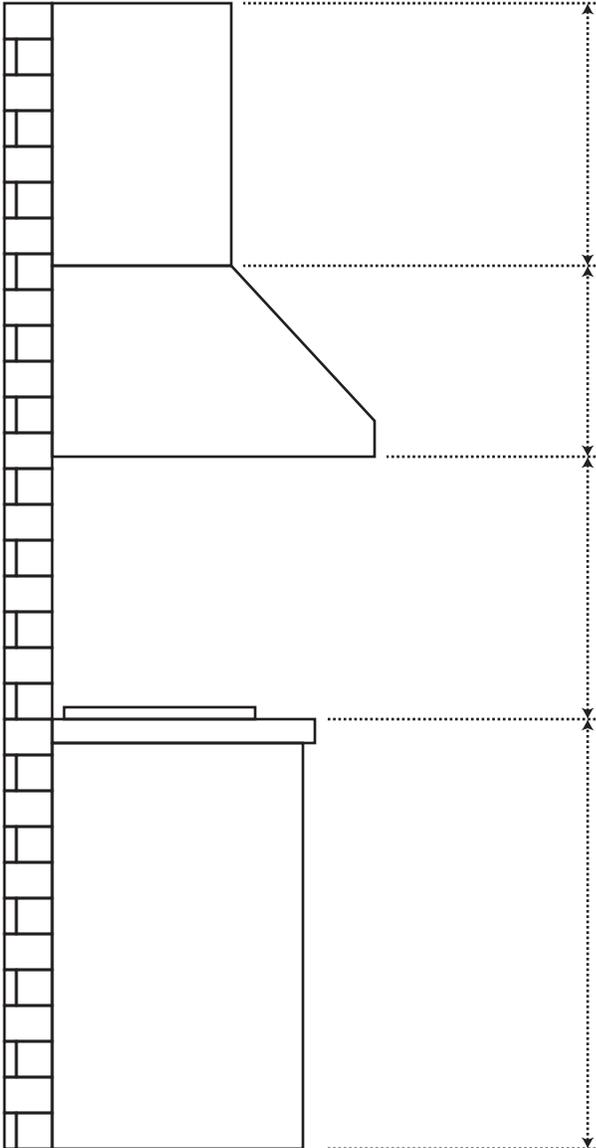


Flashlight



Safety Glasses

Measurements



Wall Cabinet Height
15" ~ 20"

Hood Height
14 1/4"

Counter to Hood
24" ~ 30"

If there is a gas stove under the range hood, the minimum distance between the cooking area and the hood should be 30".
If there is an electric stove under the range hood, the minimum distance should be 24" to 30".

Floor to Counter
36"

Mounting The Hood

1. Determine the location of the exhaust pipe which discharges to the outside.

The shorter and more linear the ducting is, the more effective the ventilation will be. (A on figure 1)

Avoid using long ducting with lots of bends, elbows, and transitions, as they will affect the performance and may shorten the service life of the hood. (B on figure 1)

2. Mark the location of the FOUR mounting holes as well as TWO security holes on the wall (figure 2).
3. Use the phillips screwdriver to screw in the FOUR mounting spots. Use a drill to drill pilot holes if needed.
4. Mount the hood onto the mounting screws and level the unit before tightening the mounting screws.
5. For safety reasons, please install two more screws into the TWO security holes from inside the unit. This prevents the unit from loosening the mounting screws or accidentally falling off the wall.

NOTE: make sure the hood has been installed firmly before letting go.

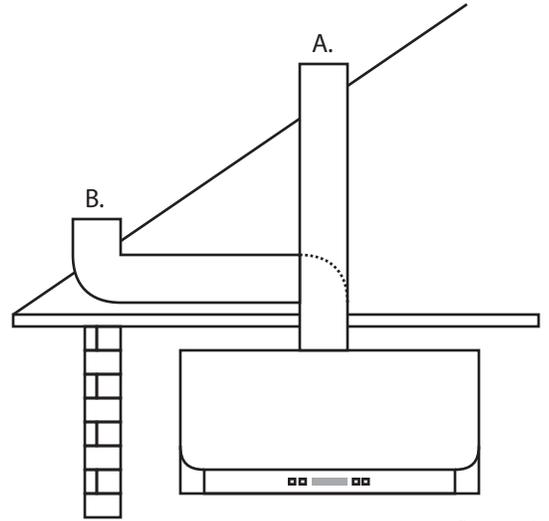


figure 1

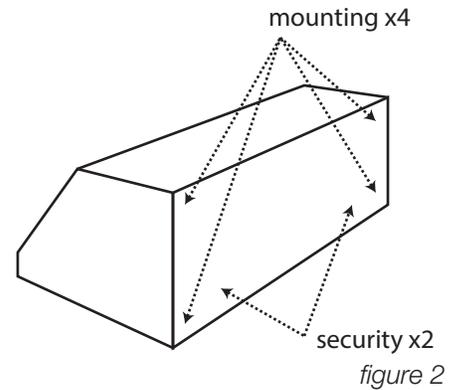


figure 2

Connecting The Ducting

WARNING: Do not exhaust into a shaft, flue, or pipeline that is being used to exhaust fumes from other appliances burning gas or other fuels.

1. Install a roof or wall cap on the exterior of the house. Connect round metal ductwork to the cap and work backwards towards the hood location. Use duct tape to seal the joints between sections.
2. Attach the included circular duct outlet to the exhaust outlet at the top of the unit. (figure 3)
3. Attach an adequate length of 6" diameter ducting to the exhaust outlet of the unit.
4. Attach the ducting from the house to the top of the ventilation unit. (figure 4)

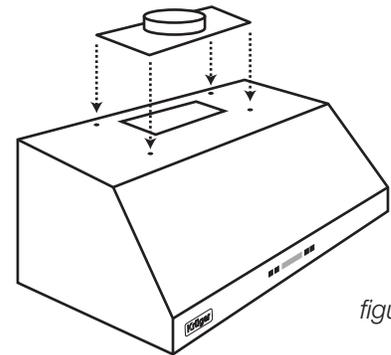


figure 3

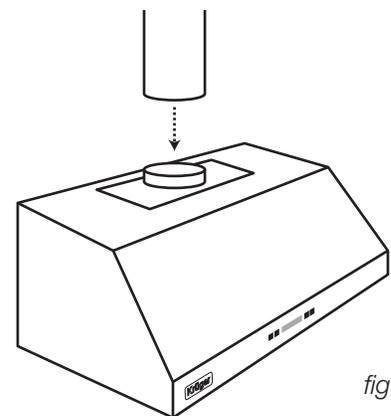
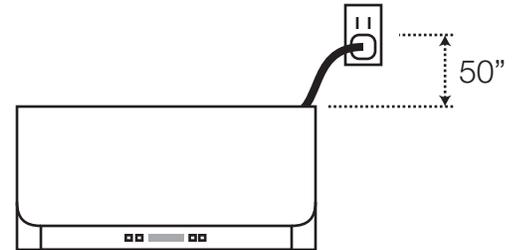


figure 4

Electrical Connection

1. Electrical wiring must be done by a qualified professional in accordance with all applicable codes and standards. Turn off electrical power at service panel before wiring.
2. Do not extend the cord with an extension cord or splitter that is not supplied with the hood.
3. Grounding of this product is compulsory. Do **NOT** remove ground prong of the plug.
3. The maximum distance between the power outlet and the unit is 50". Do not stretch or over-tighten the power cord.



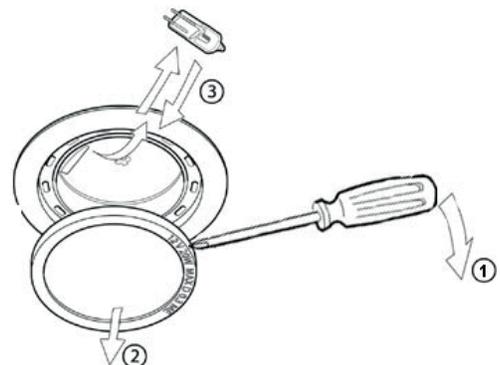
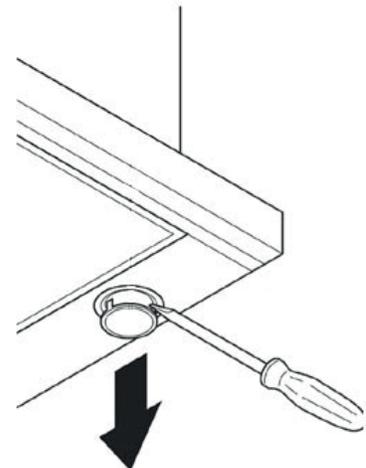
LIGHTING

The range hood requires two type JCD, 12V, 20W max, G-4 base, halogen bulbs.

WARNING: Always switch off the electrical supply before carrying out any operation or maintenance on the appliance.

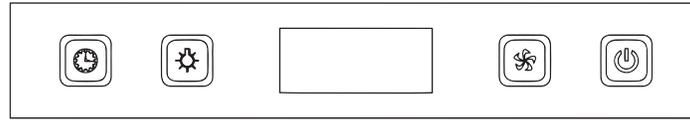
1. Remove the halogen bulb cover with a flathead screw driver.
2. Remove the bulb by pulling it out of its socket horizontally. DO NOT ROTATE THE BULB.
3. Replace the bulb with an identical type JCD, 12V 20W G-4 base halogen bulb. DO NOT touch replacement bulbs with bare hands.

CAUTION: The surface, the cover of the bulbs, and the bulbs themselves may be hot. Please use extra care when removing them.



OPERATION

This range hood is operated using a digital LCD interface with button switches on the front panel.



KH300 / KH360

On & Off

1. Press  to turn on the unit
2. Press  again to set the unit to turn off in three minutes
3. Press  again to turn off unit immediately

Set Clock

1. While the unit is off, press  once
2. The buttons , , and  will light up
3. The LCD screen will flicker, and you will have 8 seconds to set the hour of the clock
4. Press  to increase the hour, and press  to decrease the hour
5. After setting the hour, press  again to set the minute
6. Press  to increase the minute, and press  to decrease the minute
7. After setting the time, you can wait 8 seconds or press  to exit

Power Level

1. Turn on the unit by pressing 
2. The default power setting is set to high
3. To turn down the power levels, press 
4. Press  to cycle through the different power levels

Lighting

1. Press  to turn the lights on
2. Press  again to turn the lights off

MAINTENANCE & CLEANING

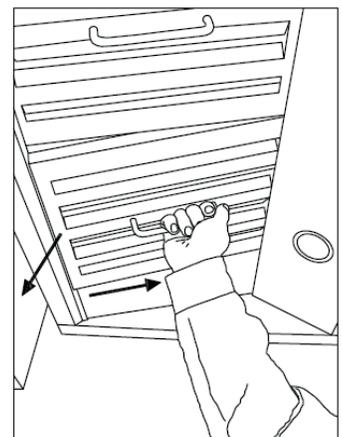
CAUTION: Before servicing or cleaning unit, completely disconnect the unit from the power source.

1. Hot water with liquid soap can remove most stains easily.
2. Always rinse the surface with clean water and wipe dry with a soft clean cloth to prevent water marks.
3. Hard to remove stains, discolourations, and persistent deposits can be removed with a non-abrasive household cleaner or stainless steel polishing powder with a little water.
4. For stubborn stains and deposits, use a scouring pad or soft bristle brush along with a stainless steel cleaner and water. Always rub in the direction of the polished lines, or “grain” of the stainless steel finish. Avoid using too much pressure as it may mar the surface.
5. Do not allow deposits to remain for long periods of time. Do not use ordinary steel wool or steel brushes to clean the range hood.
6. Do not allow salt solutions, disinfectants, bleaches, or cleaning compounds to remain in contact with the stainless steel surface for prolonged periods of time. Many of these compounds contain chemicals that can be harmful to the stainless steel finish. Always rinse with water after every cleaning and wipe dry with a clean cloth.

Baffle Filter

WARNING: If the range hood and filters are not cleaned periodically, it may become a fire hazard

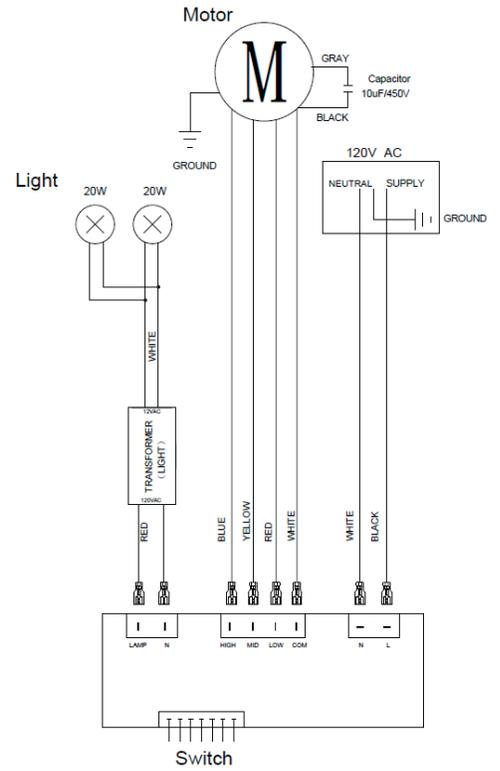
1. The baffle filter should be cleaned frequently; minimum every two months
2. The baffle filters are made of surgical grade T304 stainless steel, and are dishwasher safe
 - a. Use only mild soap or detergent solutions
 - b. DO NOT allow salt solutions, disinfectants, bleaches, cleaning compounds, or rubbing compounds to remain in contact with stainless steel for extended periods of time. Many of these compounds contain chemicals which may be harmful to the surface of the range hood. Rinse with water after exposure and wipe dry with a clean lint-free cloth
 - c. DO NOT allow deposits to accumulate or remain on the hood
 - d. DO NOT use ordinary steel wool or steel brushes. Small bits of steel may adhere to the surface
7. Remove the filter by pushing it towards the front of the hood, then pivot the filter loose from the back
8. Allow the filter to dry completely before reinserting



Electrical Diagram

WARNING: Unplug the appliance from the power source before servicing or cleaning

CAUTION: Tampering with the electrical system of the unit may result in unnecessary electrical and fire hazard and will void your warranty. Please consult with manufacturer before doing so.



Kruger® Rangehood Limited Lifetime Warranty

Kruger® Rangehood Limited Lifetime Warranty provides assurances to the consumer that the Kruger® Rangehood is free from defective manufacturing and workmanship for the lifetime of the product, which is a duration of one (1) year. Homeowners must claim any and all manufacturing and workmanship defects within the first year of installation.

Kruger® Rangehood Limited Warranty reserves the right to either provide credit, parts, or a replacement. It is under Kruger®'s discretion to issue a full product replacement or a replacement part if the product in question is eligible for the warranty. **In the case that a replacement is necessary, the homeowner will only receive a replacement of the same value or of the same model.**

Kruger® is not responsible for any costs associated with the replacement or return of the Kruger® product and is not responsible for any costs or damages associated with the installation or removal of the Kruger® Rangehood including the replacement of parts.

Kruger® Rangehood Limited Warranty coverage excludes: a) damages and problems originating from improper installation, b) finish reduction, c) scratching and staining, d) damage from chemical cleaners, e) damage from abrasive cleaners, f) damage from atmospheric and environmental conditions, g) damage to material from external force i) other external damages not listed here.

Any damage, incidents or maintenance associated with the Rangehood will not be the responsibility of Kruger®. This includes but is not limited to, normal maintenance and service, Any normal wear and tear on mechanical and/or movable and/or removable parts, including tracks, ball bearings, and extensions, water stains, cabinet damage, appliance damage, or accidents resulting in physical harm.

The liability of Kruger® only covers the Kruger® Rangehood and shall not exceed the purchase price of the product. **Kruger® Rangehoods are only warrantable for home use only, any commercial usage voids the warranty. The warranty of Kruger® is voided if damages are caused by the following: environmental disasters (fire, earthquakes, floods, storms) misuse, abuse, and any other external causes not listed here. Any damages, harm, or legal building code compliance resulting outside the physical Rangehood are the responsibilities of the homeowner and installers.**

Installations that are not done by a licensed trade professional are not the responsibility of Kruger® and the warranty would then be voided. All installations are to be tested before use by the installer.

To be eligible for the Kruger® Rangehood Limited Warranty, The Rangehood must be in its original installation position, if the Kruger® Rangehood has been relocated in any way, the warranty will be voided. Relocation of the Kruger® Rangehood includes the installation of the Rangehood to a different location in the home, in a new home, in its originating location after a home is rebuilt, or if the Rangehood was used for commercial use.

To qualify for Kruger® Rangehood Limited Warranty, the homeowner must provide the following:

- Proof of Authenticity of the Rangehood
- Proof of Original Installation Date. Documents acceptable for proof can include the following:
 - Original Receipt from the Origin of Purchase
 - Packing Slip
 - Invoice from Plumber or Supplier.

To prove the product in question is a Kruger® Rangehood, the homeowner **must provide pictures of the Rangehood in its entirety and a picture of the Kruger® Logo.** The picture of the whole Rangehood must be clear and identifiable as Kruger® Rangehood. The picture of the logo must clearly show the logo, **pictures that are distorted or doctored by software will not be accepted.**

To claim a Kruger® Rangehood Limited Warranty please fill out the form here or Email us at support@lifewithpearl.com