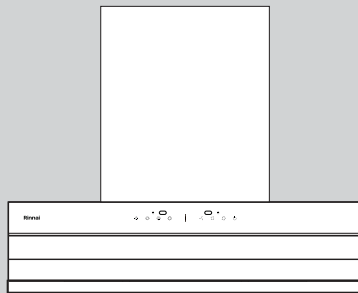


**MODEL:
RH-KM6069-PBV**



Cooker Hood

Instruction / Installation Manual

Rinnai

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Thank you for choosing Rinnai Cooker Hood

- Please read this manual carefully before use and keep it properly for future reference.
- Please fill in the model number, purchase date, purchase store, invoice number and other contents on the warranty card page carefully, and send the warranty registration card back to our company.
- This device must be installed by a professional.
- It should be used under the supervision of normal adults for special users (such as children , the elderly, disabled people,etc.).

IMPORTANT

To register your product warranty, please paste the serial numbers stickers enclosed with the packaging on your warranty card.

Please contact your local Rinnai After Sales Service Center should you require further assistance.

Intended Use

Please read this user manual thoroughly before attempting to use this appliance for the first time. This manual contains important information on safe installation, use and care of the appliance. Keep these instructions for reference and pass them on to future user.

This appliance can only be used safely if it is correctly installed according to the safety instructions, The installer is responsible for ensuring that the appliance works correctly at its installation location.

This appliance is intended for domestic use and household environment only. The appliance is designed to eliminate unpleasant odours from the kitchen, Do not use the hood for other uses than its specific purpose. Do not leave the appliance unattended during operation.

This appliance may be used by children over the age of 8 years old and by persons with reduced physical, sensory or mental capacity or by persons with a lack of experience or knowledge if they are supervised by someone who is responsible for their safety or have been instructed in how to use the appliance safely and have understood the risks involved in not using it properly. Children must not play with the appliance. Cleaning and user maintenance must not be performed by children unless they are over 15 years of age and are supervised. Keep children below the age of 8 years old at a safe distance from the appliance and power cable.

Check the appliance for damage after unpacking it, Do not connect the appliance if it has been damaged during transport.



The manufacturer is not liable for any damage which is caused by improper use or incorrect operation.

Safety Information

Warning - Suffocation

- Packaging material is dangerous to children. Never allow children to play with packaging material.

Warning - Risk of Fire

- Do not operate the extractor hood without a grease filter. It is important to clean and/or replace the grease filters at appropriate intervals. Grease deposits build-up increases the risk of fire.
- Do not flambe or grill with an open flame directly under the extractor hood. Flames could be drawn up into the hood by the suction and the grease filters may catches fire. Do not install the extractor hood near a heat producing appliance for solid fuel (e.g. wood or coal) unless a closed, non-removable cover is available. There must be no flying sparks.
- Monitor cooking continuously as overheated oil increases the risk of self-ignition. Never use water to put out burning oil or grease. Switch off the cooker. Extinguish flames carefully using a lid, fire blanket or something similar.
- Never leave high naked flames under the extractor hood when it is in operation . An extractor hood installed above the cooker may become damaged or catches fire. Always cover lit burners with cookware.
- Ensure that the power supply cord is free from any heat source or sharp objects .
- Multiple plugs and extension cables must not be used. Overloading is dangerous and may cause a fire.
- Operating several gas burners at the same time gives rise to a great deal of heat. An extractor hood installed above the cooker may become damaged or catches fire.

Warning - Risk of Burns

- Accessible parts become very hot when in operation . Never touch hot parts. Keep children at a safe distance.
- Appliance becomes hot during operation. Allow the appliance to cool down before cleaning.

Warning - Risk of Injury

- Incorrect repairs are dangerous. Repairs should be attempted by our qualified

Safety Information

technical personnel's only. If the appliance is defective, unplug the appliance from the mains or switch off the circuit breaker in the fuse box. Contact your local Rinnai After Sales Service Center for assistance.

- It is dangerous to modify any part of this appliance. Tampering with electrical connections or mechanical parts can cause operation faults and may put the user at risk.
- Do not use any high pressure cleaners or steam cleaners, which can result in an electric shock.
- Penetrating moisture may result in an electric shock. Clean the appliance using a damp cloth only. Before cleaning, pull out the mains plug or switch off the circuit breaker in the fuse box.
- Components inside the appliance may have sharp edges . Wear protective gloves.
- Lighting emitted by the LED lights are very dazzling and can damage the eyes. Do not look directly into lighted LED lights for longer than 100 seconds.

Warning - Risk of Electric Shock

- A defective appliance may cause electric shock. Never switch on a defective appliance.

Unplug the appliance from the mains or switch off the circuit breaker in the fuse box. Contact your local Rinnai After Sales Service Center for assistance.

- Incorrect repairs are dangerous. Any repairs and replacements of damaged power cable or components should be attempted by our qualified technical personnel 's only. Contact your local Rinnai After Sales Service Center for assistance.
- Penetrating moisture may result in an electric shock. Clean the appliance using a damp cloth only. Before cleaning pull out the mains plug or switch off the circuit breaker in the fuse box.

Warning - Cause of Damage

- Always switch on the appliance while cooking to avoid condensation. Condensation can produce corrosion damage.
- Always replace faulty lights to prevent the remaining lights from overloading.
- Do not clean the controls with a wet cloth as this may risk damage due to ingress of humidity into the electronic circuitry.
- Clean all stainless steel surfaces in the direction of the grain only as incorrect

Safety Information

cleaning may damage the stainless steel surface . Do not use any stainless steel cleaners for controls.

- Never use strong and abrasive cleaning agents as this may cause damage to the stainless steel surface.
- There is a risk of surface damage if you do not peel off the protective film. Remove the protective film from all parts of the appliance before using the appliance for the first time.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities. or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- There shall be adequate ventilation of the room when the range hood is used at the same time as appliances burning gas or other fuels.
- Clean the appliance every week according to "Cleaning the Metal Grease Filters"
- There is a fire risk if cleaning is not carried out in accordance with the instructions;
- Do not flame under the range hood.
- CAUTION: Accessible parts may become hot when used with cooking appliances
- The air must not be discharged into a flue that is used for exhausting fumes from appliances burning gas or other fuels.
- The minimum distance between the supporting surface for the cooking vessels on the hob and the lowest part of the range hood is 650 mm.
- Regulations concerning the discharge of air have to be fulfilled.

Environmental Protection

Energy Saving

- During cooking ensure that there is a sufficient supply of air to enable the extractor hood to work efficiently and with a low level of operating noise.
- Adjust the fan speed to the amount of cooking vapor produced during cooking . Only use intensive / booster mode when required. Operating the fan speed at lower levels consumes less energy.
- Switch off the extractor hood if you no longer require it.
- Clean and replace the grease filters at regular intervals in order to increase the effectiveness of the extractor hood and to prevent the risk of fire.

Disposal

- This appliance and its packaging are environmentally friendly and recyclable . Please help us to care for the environment by disposing the packaging in a proper manner and recycling any old appliances.
- Before disposing an old appliance, disconnect it from the power supply and cut the power supply cord to prevent hazards.

Operating Mode

Recirculating Air Mod



- The extractor hood fan draws in the cooking vapours and odors which is then clean by the grease filter . The clean air is then conveyed back to the kitchen via a vent opening in the hood.

Ducted Mode Mode



- In ducted mode, the extractor hood fan extracts the cooking vapours and passes them through the grease filler. The air then flows to the outside.

The grease filter absorbs the solid particles in the cooking vapours.

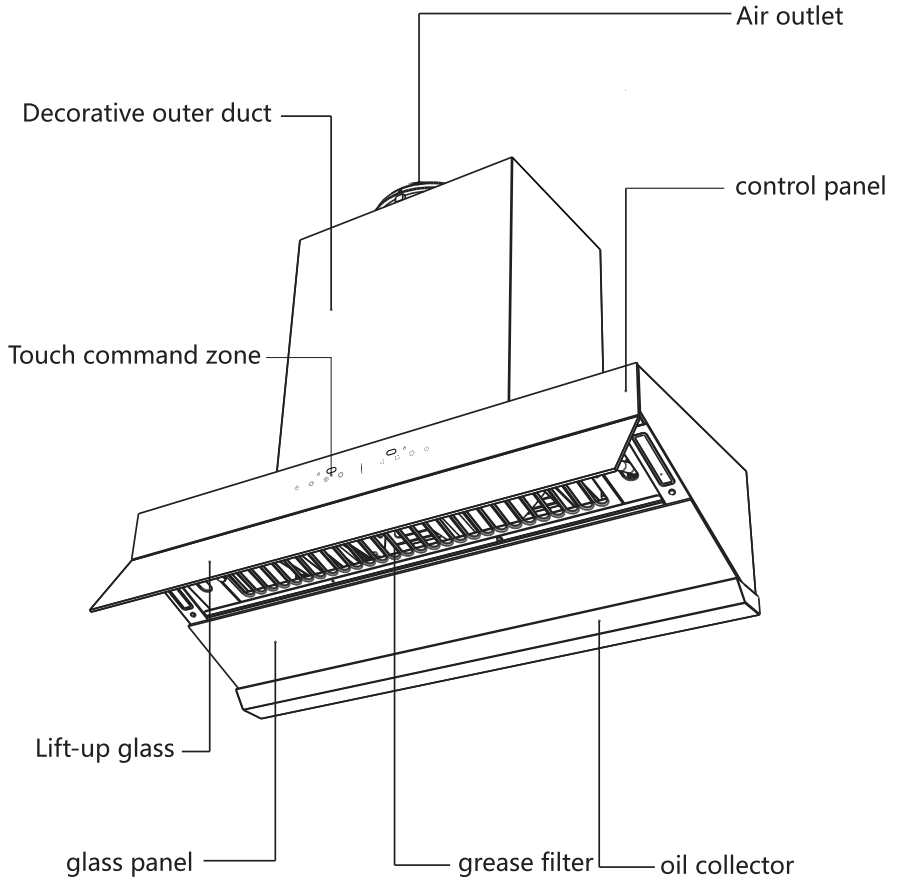
Note: In this mode , only grease filters are installed (charcoal filter is optional).

Connection to Exhaust Air Pipe



- Attach $\varphi 185$ mm pipe directly to the air outlet and secure appropriately.
- Connect pipe to the outdoor duct.

Components' Name



Installation Instructions

Installation precautions

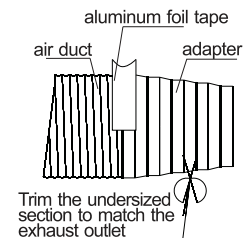
- The wall where it is installed must have sufficient support strength. When installing the mainframe mounting bracket, it is strictly prohibited to drill too large holes, and ensure that the metal expansion anchor bolts, plastic anchor and installation holes are tightly matched to prevent them from loosening and causing accidental detachment.
- When drilling installation holes in the wall, please avoid the internal wires and other equipment.
- The width of the stove should be within the width of the range hood.
- The exhaust gas from the range hood should not be discharged into the hot flue used to discharge smoke from burning gas or other fuels.
- Please use the accessories contained in the packaging for installation, otherwise it may affect product performance and safety.
- When carrying and installing, please wear protective gloves to prevent scratches.
- The environment during kitchen decoration may cause the surface of the cooker hood to corrode and lose luster. It is recommended to install the cooker hood after the kitchen decoration is completed.

Installation Instructions

Method of installation

①As shown in the installation reference diagram, drill 5 holes($\varphi 10$) of about 60mm depth in the wall, with the top two holes embedded with 2 $\varphi 10$ metal expansion anchor bolts, and the remaining 3 holes embedded with $\varphi 10$ plastic anchor. Secure the mainframe mounting bracket to the wall using the nuts of the anchor and 2 $\varphi 5$ wooden screws (the middle hole is temporarily left unsecured).

②If you need to install the decorative inner duct, drill 2 $\varphi 10$ holes with a depth of about 60mm at an appropriate position above the mainframe, insert $\varphi 10$ plastic anchor, and fasten decorative inner duct mounting bracket to the wall with $\varphi 5$ wooden screws.



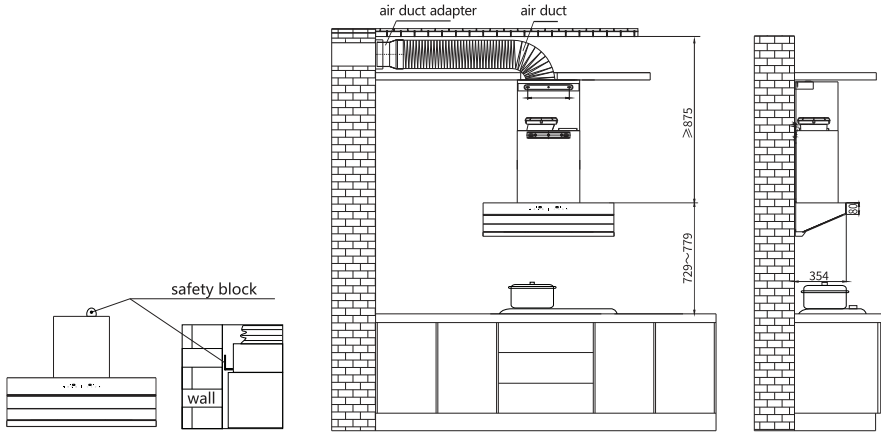
Installation Instructions

- ③ Take off the outlet cover from the outlet seat, and then take out the 8 ST4x16 screws in the accessory package, use the screws to tighten the outlet seat with the rubber pad into the mainframe outlet position, and then hang the mainframe on the mounting bracket, ensure the mainframe is firmly and smoothly hung.
- ④ As shown in the installation reference diagram, use ST5×19 screws to tighten the safety block on the middle hole of the mainframe mounting bracket.
- ⑤ Put the air outlet cover on the exhaust pipe, then insert the pipe interface into the bottom of the ring groove of the air outlet seat, and finally insert the snap fastener of the air outlet cover into the snap opening of the air outlet seat.
- ⑥ The exhaust pipe must be extended through the pre-drilled $\varphi 195$ wall penetration, ensuring that the external termination is positioned lower than the internal termination. Should the wall penetration diameter be smaller than the outlet pipe diameter, an adapter should be utilized for transition, with the connection method illustrated in the accompanying diagram.
Attention :
 - After the adapter is installed, the smoking exhaust capacity will be reduced.
 - During installation, fully stretch the exhaust pipe to avoid poor exhaust and more noise, and cut off its excess parts.
- ⑦ Pull out the decorative inner duct and fasten it to the inner duct bracket with 2pcs M4x12 screws.
- ⑧ Insert the oil collector horizontally into the hook correctly.
- ⑨ Switch on the power supply of the appliance test run the hood, and confirm whether the functions of the appliance are normal.

Installation Instructions

Installation diagram

Unit : mm



- ※ This installation size is only applicable to electric stoves. If installed above a gas stove, the minimum distance between the support surface of the cooking utensils on the stove and the lowest part of the range hood should be at least 650 mm. If the installation instructions for the gas stove specify a larger installation distance, this should be taken into account. When the installation height of this product (i.e., the distance between the support surface of the cooking utensils on the stove and the lowest part of the range hood) is less than 650 mm (for better smoke extraction), all components below 650 mm are non-combustible parts of the range hood or operate under safety-rated low voltage. Deformation of these components will not affect the protection against contact with live parts.

Packing List

The accessories of the range hood are listed in the following table. Please confirm before installation.

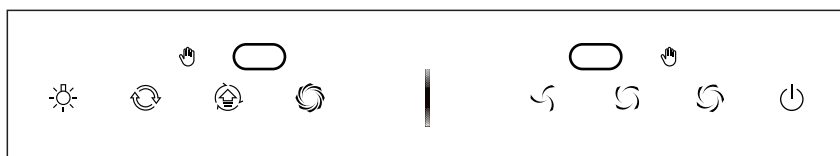
Name	QTY	Name	QTY
Mainframe	1	φ5 wooden screws	2
Manual	1	φ10 metal expansion anchorbolts	2
Exhaust pipe assembly	1	φ10 plastic anchor	3
Oil Collector	1	ST5x19 screws	1
Mounting bracket	1	Inner duct	1
Air outlet seat	1	Inner duct bracket	1
Air outlet cover	1	φ5 wooden screws(optional)	2
Safety block	1	φ10 plastic anchor(optional)	2
Adapter	1	M4x12 screws(optional)	2
Aluminum foil tape	2	ST4x16 self-tapping screws	8
Air outlet seal	1		

Operation instructions

Power set

- For socket installed on the wall inside the decorative inner duct must be connected to an independent switch that meets safety requirements to cut off its power supply, and this switch should be easy for users to operate after the range hood is installed; if it is installed on the wall outside the decorative inner duct, its distance should be within the length range of the power cord of this Appliance.the electrical connection of this appliance must be connected to earth.
- This device uses 220V-240V~/50Hz power supply.

Operation instructions



(control panel)

As shown in the figure above, there are 8 buttons total in the touch command zone.

☀ — Press the light symbol switch to turn the lights to the ON/OFF position.

Note: The lights work independently from the fan.

☪ — In standby mode, press once to run the fan. Run for 5 minutes-stop for 1 hour-run for 5 minutes... keep repeating,you should press this key again to close ventilation mode.

🏠 —when the fan is working, press this key once to open auto speed mode, press one more time to turn off.

☪ —When power is on, press this key to show the cooker hood is working at low speed,press it again to enter standby mode.

☪ —When power is on, press this key to show the cooker hood is working at medium speed,press it again to enter standby mode.

☪ —When power is on, press this key to show the cooker hood is working at high speed,press it again to enter standby mode.





☪ —When power is on, press this key to show the cooker hood is working at booster speed,3 minutes later, the fan will automatically switch to the high speed.during the booster speed running,press the key again to enter standby mode.

⏻ —when the device is powered off, press the key to enter standby mode; if no other operations occur within 2 minutes while in standby mode, it will automatically power off.

In both standby and delay timer modes, long-pressing this key for 2 seconds to shut down. Press this key once while the fan is running to enter a 3- minute delay timer

Operation instructions

mode; long-pressing this key for 2 seconds will directly shut down.

  ...   WAVE control : in standby or shut down mode, waving from left to right at a uniform speed, the device starts to work according to order of high speed-booster speed-Low speed-medium speed-high speed,cycle through, and the lights turn on simultaneously when waving. However, if the impeller is working, waving from left to right, the device will switch according to the above same cyclic rule under the current speed. gear, and the lights status remaining unchanged. In any state, waving from right to left will turn off the device.

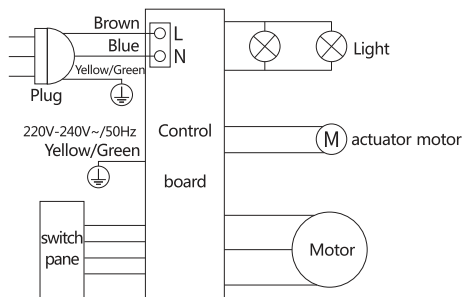
Trouble Shooting

Trouble Shooting

Warning: Incorrect repairs are dangerous. Repairs should be attempted by our qualified technical personnel' s only. If the appliance is defective, unplug the appliance from the mains or switch off the circuit breaker in the fuse box. Contact your local Rinnai After Sales Service Center for assistance.

Issue	Possible cause	Solution
Lights and motor not working	①No electricity supply ②The power cord or PCB board is broken	①Check power connection ②Please contact your local Rinnai After Sales Center
Lights not working	①Light is defective ②The PCB board is broken or poorly connected	①Please contact your local Rinnai After Sales Center ②Please contact your local Rinnai After Sales Center
Motor fails to start	①The impeller is blocked ②The motor is broken ③The PCB board is broken or poorly connected	①Removal of impeller blocked fault ②Please contact your local Rinnai After Sales Center ③Please contact your local Rinnai After Sales Center
Excessive vibration	①The screw is loose ②Motor is loose ③Impeller deformation	①tighten the screws ②Tighten the motor ③Please contact your local Rinnai After Sales Center
Weak suction	①The mainframe is installed too high ②Air outlet check valve is not fully open ③The ventilation is too strong ④Grease filter is too dirty	①Reduce the installation Height ②Clean the oil stain at the check valve ③Close door and Windows appropriately ④Clean the grease filter
The lift-up glass not working	①Actuator motor is broken ②The PCB board is broken	①Please contact your local Rinnai After Sales Center ②Please contact your local Rinnai After Sales Center

Electrical diagram



Care and maintenance

- Before carrying out any cleaning or maintenance activities, ensure that the appliance is disconnected from the main power supply.
- Components inside the appliance may have sharp edges. Wear protective gloves.
- Follow the cleaning instruction stated in this manual. Otherwise, there is a risk of fire for cooker hood.

Daily maintenance

- When the oil reaches two-thirds of the volume of the oil collector, please clean it in time.
- Please clean the grease filter and the surface of the machine, inside of the lift-up glass frequently for keeping the equipment tidy and elegant. If you use detergent, please use the neutral kind.

Maintenance (do not disassemble by non-professionals)

- Clean the grease filter every four months to ensure good smoke exhaust effect of cooker hood.
- It needs to be fully maintained once a year and remove oil stains in all parts to ensure good performance of cooker hood.
- Disassembly of components

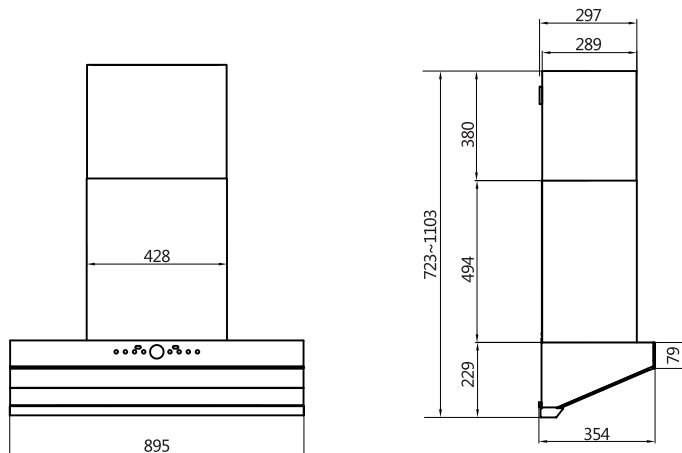
When disassembling parts, please handle them gently to avoid deformation or damage.

- (1) Press the light key, after the lift-up glass completely open, and then pull out the plug.
- (2) Hold the bottom of the oil collector with both hands and pull it outwards.
- (3) Unscrew the grease filter and remove it off.
- (4) Unscrew the decorative duct on the backside, and pull it up.
- (5) Unscrew the cover panel and remove it off.
- (6) Unscrew the air guide ring and remove it off.
- (7) Turn off the impeller nut according to the arrow indicated, and remove it off.
- (8) After maintenance, install each component according to the above reverse steps.

● Cleaning of components

- (1) Please use neutral detergent and soft cloth and brush, and do not use organic solvents.
- (2) It is the best to soak for 30 minutes before cleaning, and parts should be avoided deformation or damage during cleaning.
- (3) After cleaning, rinse with water and dry with a soft cloth.
- (4) Electrical components should be cleaned with dry soft cloth and soft brush. It is strictly prohibited to clean with water or detergent.

Technical Specification



Technical Specification

Model	RH-KM6069-PBV
Voltage	220V-240V~ /50Hz
Power of Motor	268 W
Power of Lamp	2 × 1.5 W
Cable Length	1.5 m
Appliance Dimension (W x D x H)	895×354×723 ~ 1103 mm
Note: The manufacturer reserves the right to change any technological improvement or modification without prior notice.	

Note:

Product specifications are based on the nameplate. Manual content may vary due to improvements.



Scan QR code to access the official website of Rinnai

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