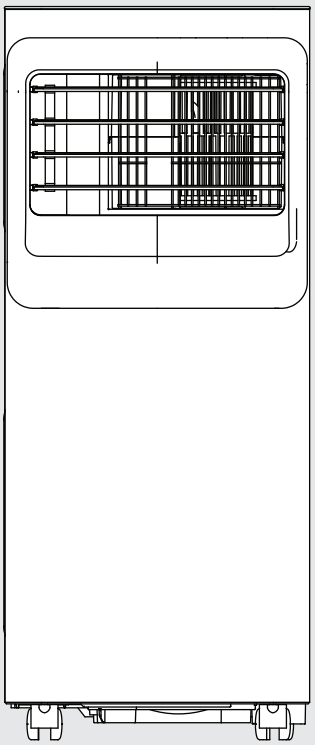
MODEL

PA26CWF

REFRIGERANT
R290



POLOCOOL Portable Room Air Conditioner

Operation & Installation Manual

POLO
by Rinnai

For continued safety of this appliance it must be installed and maintained in accordance with the manufacturer's instructions.

Before proceeding with the operation of your new POLO Portable Room Air Conditioner, please read this manual thoroughly and gain a full understanding of the requirements, features and operation of your new appliance.

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SAFETY & IMPORTANT INFORMATION

WARNING

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and to ensure optimum performance.

Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in personal injury or death.

WARNINGS: Indicates a potentially hazardous situation which, if not avoided, could result in personal injury or death.

CAUTIONS: Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury or damage to the appliance. It may also be used to alert against unsafe practices.

WARNING

Read these installation and operating instructions carefully and attentively before using/commissioning the unit. Keep this manual in the immediate vicinity of the installation site or unit for later use.

The appliance is fitted with an Australian flexible cord and plug intended for connection to an Australian 10 Amp socket outlet. It is not suitable for connection in other countries or alternative power supplies. Ensure that the voltage and frequency of the power supply correspond to the ratings on the dataplate of the appliance.

Installation must be performed according to the installation instructions. Improper installation can cause water leakage, electrical shock, or fire.

Use only the included accessories and parts, and specified tools for the installation. Using non-standard parts can cause water leakage, electrical shock, fire, and injury or property damage.

Make sure that the outlet you are using is grounded and has the appropriate voltage. The power cord is equipped with a three-prong grounding plug to protect against shock. Voltage information can be found on the nameplate of the unit.

Your unit must be used in a properly grounded wall outlet. If the wall outlet you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker (the fuse or circuit breaker needed is determined by the maximum current of the unit. The maximum current is indicated on the nameplate located on unit). Have a qualified electrician install a properly installed outlet.

DO NOT handle any parts of this appliance, including the plug and flexible cord, with wet or damp hands or when barefoot.

If the air conditioner is knocked over during use, turn off the unit and unplug it from the main power supply immediately. Visually inspect the unit to ensure there is no damage. If you suspect the unit has been damaged, contact a technician or customer service for assistance.

In a thunderstorm, the power must be cut off to avoid damage to the machine due to lightning.

Your air conditioner should be used in such a way that it is protected from moisture. e.g. condensation, splashed water, etc. Do not place or store your air conditioner where it can fall or be pulled into water or any other liquid. Unplug immediately if this occurs.

Install the unit on a flat, sturdy surface. Failure to do so could result in damage or excessive noise and vibration.

The unit must be kept free from obstruction to ensure correct function and to mitigate safety hazards.

DO NOT modify the length of the power cord or use an extension cord to power the unit.

DO NOT share a single outlet with other electrical appliances. **DO NOT** use power boards or double adaptors with this appliance. Improper power supply can cause fire or electrical shock.

DO NOT install your air conditioner in a wet room such as a bathroom, shower, swimming pool or laundry room. Too much exposure to water can cause electrical components to short circuit.

DO NOT install the unit in a location that may be exposed to combustible gas, as this could cause fire.

WARNING

The unit has wheels to facilitate moving. Make sure not to use the wheels on thick carpet or to roll over objects, as this may cause appliance to turn over.

DO NOT operate a unit that it has been dropped or damaged.

The appliance with electric heater shall have at least 1 metre clearance to the combustible materials.

All wiring must be performed strictly in accordance with the wiring diagram located inside of the unit.

The unit's circuit board (PCB) is designed with a fuse to provide overcurrent protection. The specifications of the fuse are printed on the circuit board.

When the water drainage function is not in use, keep the upper and the lower drain plug firmly to the unit to get rid of choking. When the drain plug is not in use, keep it carefully to prevent children from choking

DO NOT coil or bundle the electric cord to reduce it's length as overheating of the cord may occur which could result in a fire hazard.

DO NOT cover or place articles on or against any parts of this appliance, to avoid overheating.

DO NOT sit on this appliance

DO NOT move this appliance while it is turned on.

DO NOT unplug the appliance by pulling on the flexible cord.

DO NOT immerse the appliance, flexible cord and plug in water or any other liquid.

DO NOT use in areas where flammable liquids are stored.

Never dismantle the appliance. Tampering with electrical connections and components is highly dangerous and may cause appliance malfunction, property damage, personal injury and/or death.

IMPORTANT

MANDATORY INSPECTION PRIOR TO INSTALLATION

Immediately report any damage or discrepancies to the Supplier of the appliance. This appliance was inspected and tested at the time of manufacture and packaging, and released for transportation without known damage. Upon receipt, inspect the exterior for evidence of rough handling in shipment. Ensure that the appliance is labelled correctly for the gas and electrical supply, and/or other services it is intended to be connected to.

For safety and warranty purposes, appliances that may be damaged or incorrect **MUST NOT** be installed or operated under any circumstances. Installation of damaged or incorrect appliances may contravene local government regulations. Rinnai disclaims any liability or responsibility whatsoever in relation to the installation or operation of damaged or incorrect appliances.

NOTE

A NOTE ON ILLUSTRATIONS

The illustrations used in this manual are for explanatory purposes only and the shape of your indoor unit may vary slightly from that which is shown in this manual.

CAUTION

This appliance can be used by children aged from 8 years and above and person with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

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.

Young children should be supervised to ensure they do not play with the appliance.

DO NOT allow children or persons with reduced physical, sensory or mental capabilities to sleep directly in front of this appliance.

DO NOT allow children to 'post articles' into the louvres of the appliance.

The flexible cord and plug must not be modified. **DO NOT** use an extension cord to power the unit. If the power cord or its plug is damaged, it must be replaced with a new certified cord and plug installed by a suitably qualified and licensed person in order to avoid a hazard.

DO NOT use this product for functions other than those described in this instruction manual.

Before cleaning, turn off the power and unplug the unit.

Disconnect the power if strange sounds, smell, or smoke comes from it.

DO NOT press the buttons on the control panel with anything other than your fingers.

DO NOT remove any fixed covers. Never use this appliance if it is not working properly, or if it has been dropped or damaged.

DO NOT operate or stop the unit by inserting or pulling out the power cord plug.

DO NOT use hazardous chemicals to clean or come into contact with the unit. Do not use the unit in the presence of inflammable substances or vapour such as alcohol, insecticides, petrol,etc.

Prior to cleaning or other maintenance, the appliance must be disconnected from the electrical supply mains.

DO NOT remove any fixed covers. Never use this appliance if it is not working properly, or if it has been dropped or damaged.

DO NOT run cord under carpeting. **DO NOT** cover cord with throw rugs, runners, or similar coverings. **DO NOT** route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.

DO NOT operate unit with a damaged cord, plug, power fuse or circuit breaker. Discard unit or return to an authorised service facility for examination and/or repair.

To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.

The appliance shall be installed in accordance with national wiring regulations.

Contact the authorised service technician for repair or maintenance of this unit.

Contact the authorised installer for installation of this unit.

DO NOT cover or obstruct the inlet or outlet grilles.

Always transport your air conditioner in a vertical position and stand on a stable, level surface during use.

Always contact a qualified person to carry out repairs. If the damaged power supply cord must be replaced with a new power supply cord obtained from the product manufacturer and not repaired.

Hold the plug by the head of the power plug when taking it out.

Turn off the appliance and unplug from the power socket outlet when not in use.

To fix the appliance to its support, please refer to the installation instructions.

This appliance is suitable for indoor use only.

USING R290 REFRIGERANT

WARNING INFORMATION REGARDING APPLIANCES WITH R290 REFRIGERANT GAS

- Thoroughly read all of the warnings.
- This appliance contains up to 190g of R290 refrigerant gas.
- This appliance uses R290 refrigerant, which is class 3 flammability and must be handled by a refrigeration mechanic with appropriate Australian refrigerant handling licence.
- The appliance must be installed, used and stored in a ventilated area that is greater than 8m².
- When cleaning the appliance, do not use any tools other than those recommended by the manufacturing company.
- **DO NOT** use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance must be placed in an area without any continuous sources of ignition (for example: open flames, gas or electrical appliances in operation).
- **DO NOT** puncture and **DO NOT** burn.
- Be aware that the refrigerants may not contain an odour.
- Appliance should be installed, operated and stored in a room with a floor area according to the amount of refrigerant to be charged. For specific information on the type of gas and the amount, please refer to the relevant label on the unit itself. When there are differences between the label and the manual on the Min room area description, the description on the label shall prevail.

Minimum room area for R290			
Amount of refrigerant (kg)	Min. room area (m²)	Amount of refrigerant (kg)	Min. room area (m²)
≤0.0836	4	>0.1881 and ≤ 0.2090	10
>0.0836 and ≤ 0.1045	5	>0.2090 and ≤ 0.2299	11
>0.1045 and ≤ 0.1254	6	>0.2299 and ≤ 0.2508	12
>0.1254 and ≤ 0.1463	7	>0.2508 and ≤ 0.2717	13
>0.1463 and ≤ 0.1672	8	>0.2717 and ≤ 0.2926	14
>0.1672 and ≤ 0.1881	9	>0.2926 and ≤ 0.3040	15

- Compliance with local gas regulations and standards shall be observed.
- Keep ventilation openings clear of obstruction.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- A warning that the appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recognised assessment specification.
- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
- Please follow the instructions carefully to handle, install, service or clear the air conditioner to avoid any damage or hazard. When maintaining or disposing the air conditioner, the refrigerant (R290) shall be disposed of properly. It **MUST NOT** de discharged directly into the air.
- No any open fire or device like switch which may generate spark/arcing shall be around air conditioner to avoid causing ignition of the flammable refrigerant used. Please follow the instruction carefully to store or maintain the air conditioner to prevent mechanical damage from occurring.
- The appliance **MUST NOT** be stored in a room with continuous operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric heater).

EXPLANATION OF SYMBOLS DISPLAYED ON THE UNIT

WARNING Risk of fire / flammable material. If the refrigerant is leaked, together with an external ignition source, there is a possibility of ignition.

Read the OPERATING INSTRUCTIONS carefully before operation.

Service personnel are required to carefully read the OPERATING INSTRUCTIONS and INSTALLATION MANUAL before operation.

Further information is available in the OPERATING INSTRUCTIONS, INSTALLATION MANUAL, and the like.

1. Transport of equipment containing flammable refrigerants

See transport regulations.

2. Marking of equipment using signs

See local regulations.

3. Disposal of equipment using flammable refrigerants

See national regulations.

4. Storage of equipment/appliances

The storage of equipment should be in accordance with the manufacturer's instructions.

5. Storage of packed (unsold) equipment

Storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge. The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.

- General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

6. Information on servicing

1) Checks to the area Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

2) Work procedure

Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

3) General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

4) Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

5) Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO^2 fire extinguisher adjacent to the charging area.

6) No ignition sources

No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. No Smoking signs shall be displayed.

7) Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

8) Checks to the refrigeration equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance. The following checks shall be applied to installations using flammable refrigerants:

The charge size is in accordance with the room size within which the refrigerant containing parts are installed;

The ventilation machinery and outlets are operating adequately and are not obstructed;

If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant; Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;

Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

9) Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;

That there no live electrical components and wiring are exposed while charging, recovering or purging the system; That there is continuity of earth bonding.

7. Repairs to sealed components

1) During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.

2) Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc. Ensure that apparatus is mounted securely. Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.

NOTE: The use of silicon sealant may inhibit the effectiveness of some types of leak detection equipment. Intrinsically safe components do not have to be isolated prior to working on them.

8. Repair to intrinsically safe components

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use. Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating. Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

9. Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

10. Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

11. Leak detection methods

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants. Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed. Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work. If a leak is suspected, all naked flames shall be removed/ extinguished.

If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

12. Removal and evacuation

When breaking into the refrigerant circuit to make repairs or for any other purpose conventional procedures shall be used. However, it is important that best practice is followed since flammability is a consideration. The following procedure shall be adhered to:

Remove refrigerant; Purge the circuit with inert gas; Evacuate; Purge again with inert gas; Open the circuit by cutting or brazing.

The refrigerant charge shall be recovered into the correct recovery cylinders. The system shall be flushed with OFN to render the unit safe. This process may need to be repeated several times. Compressed air or oxygen shall not be used for this task. Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system.

When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take place. Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.

13. Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed. Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.

Cylinders shall be kept upright.

Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.

Label the system when charging is complete (if not already).

Extreme care shall be taken not to overfill the refrigeration system. Prior to recharging the system it shall be pressure tested with OFN. The system shall be leak tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

14. Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely.

Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that: Mechanical handling equipment is available, if required, for handling refrigerant cylinders; All personal protective equipment is available and being used correctly;

The recovery process is supervised at all times by a competent person; Recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery takes place.

g) Start the recovery machine and operate in accordance with manufacturer's instructions.

h) Do not overfill cylinders. (No more than 80% volume liquid charge).

i) Do not exceed the maximum working pressure of the cylinder, even temporarily.

j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.

k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

15. Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

16. Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely. When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs. The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants.

In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release.

Consult manufacturer if in doubt. The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged. Do not mix refrigerants in recovery units and especially not in cylinders. If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

SPECIFICATIONS

INTRODUCTION

This portable air conditioner can alter the room temperature and humidity. It has multiple functions of cooling dehumidifying (drying) and fan ventilation and can be moved from room to room and transported from building to building easily.

The air conditioner can maintain set room indoor air temperatures between 16°C and 32°C. The set room temperature is displayed on the remote control and in the control panel on the unit. This does not mean that the air conditioner will necessarily reduce the actual room temperature to the set room temperature.

- Do not place the air conditioner or plastic window slider in direct sunlight. Close all curtains in the room being cooled.
- For maximum cooling (COOLING MODE), set the temperature at 18°C and the fan at HIGH. After approximately 3 minutes, the compressor will turn on and cooled air will come out of the front air outlet. Warm air will also come out of the rear outlet and into the exhaust hose.
- In COOLING MODE the air conditioner will not cool unless the set temperature is below the existing room temperature.
- In COOLING MODE once the existing room temperature reaches the set temperature, the fan continues operating and the compressor switches on and off to maintain the set temperature within the room.
- For maximum cooling output keep the exhaust hose as short and as straight as possible. Minimise bends which can reduce the maximum cooling capacity of the air conditioner. Elevate the air conditioner if necessary.
- Make sure the air intake and outlet grills are unobstructed.
- Clean the filters at least once every two weeks.

SPECIFICATIONS

MODEL	PA26CWF
Function	Cooling Only
Control	Remote and Wi-Fi control
Power Supply	220V-240V~ / 50Hz
Maximum Input Power	1220W
Maximum Input Current	6.2A
Dimensions - Net (H x W x D)	705mm x 295mm x 293mm
Dimensions - Packing (H x W x D)	887mm x 350mm x 326mm
Weight	23.7kg
Nominal Cooling Capacity	2.6kW
Rated Input Current	4.4A
Rated Input Power	1015W
Refrigerant Type	R290
Refrigerant Volume	190g
Sound Pressure Level (Hi / Lo)	54 / 53 dB(A)

BEFORE YOU START

- Installation must be carried out in strict accordance with the instructions in this manual.
- Installing your Portable AC should take approximately 30 minutes.
- We recommend installing this Portable AC with one assistant.

Ambient temperature range for unit operating

Mode	Temperature Range	Mode	Temperature Range
Cool	16 - 35°C	Heat (pump heat mode)	5 - 30°C
Dry	13 - 35°C	Heat (electrical heat mode)	< 35°C

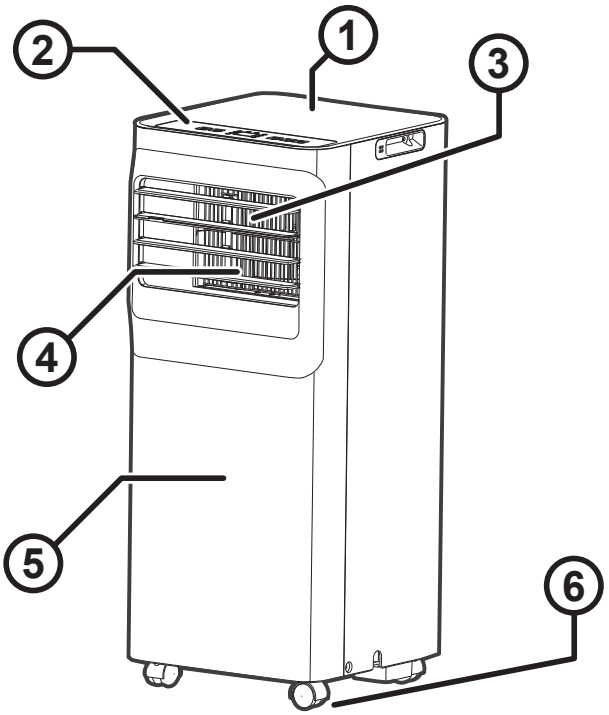
ENERGY RATING INFORMATION

- The energy rating and noise information for this unit is based on the standard installation using an unextended exhaust duct without window slider adaptor (as shown in the Installation section of this manual). At the same time, the unit must be operate on the COOL MODE and HIGH FAN SPEED by remote controller.
- The unit with 3 metre extended exhaust duct is running by using 2 exhaust ducts (Diameter:150mm, Length:1.5m + Diameter: 130mm, Length: 1.5m) .The Energy rating and noise information for unit with a 3 metre extended exhaust duct is not assessed. (For some models)

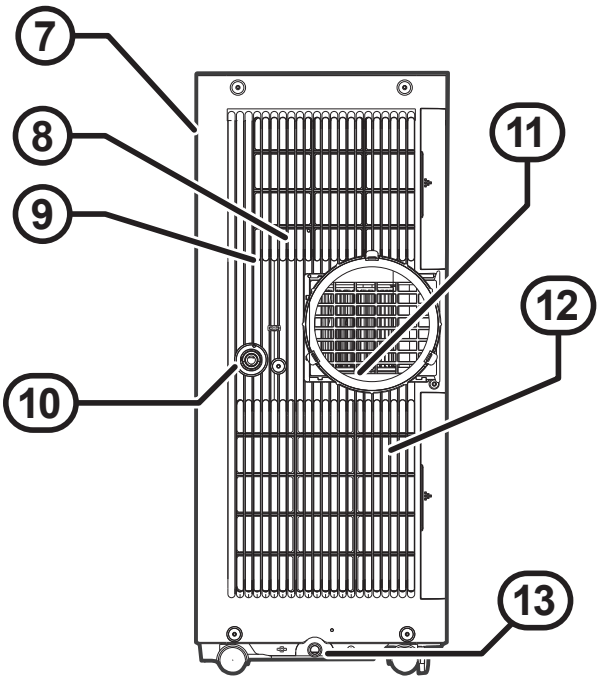
It is recommend operating this unit at room temperature below 35°C . There may be a risk that the unit with a 3 metre extended exhaust duct will not work at room temperature above 35°C under some extreme conditions, such as the lower air intake may be blocked for 50%.

AIR CONDITIONER BASICS

APPLIANCE COMPONENTS



Front



Back

1. Control panel	2. Remote receiver window
3. Cool air outlet	4. Louver control lever manual adjustment
5. Front panel	6. Swivel casters (x4)
7. Carry handles (both sides)	8. Air filter
9. Upper air intake	10. Drain outlet 1
11. Air outlet	12. Lower air intake
13. Bottom drain outlet	

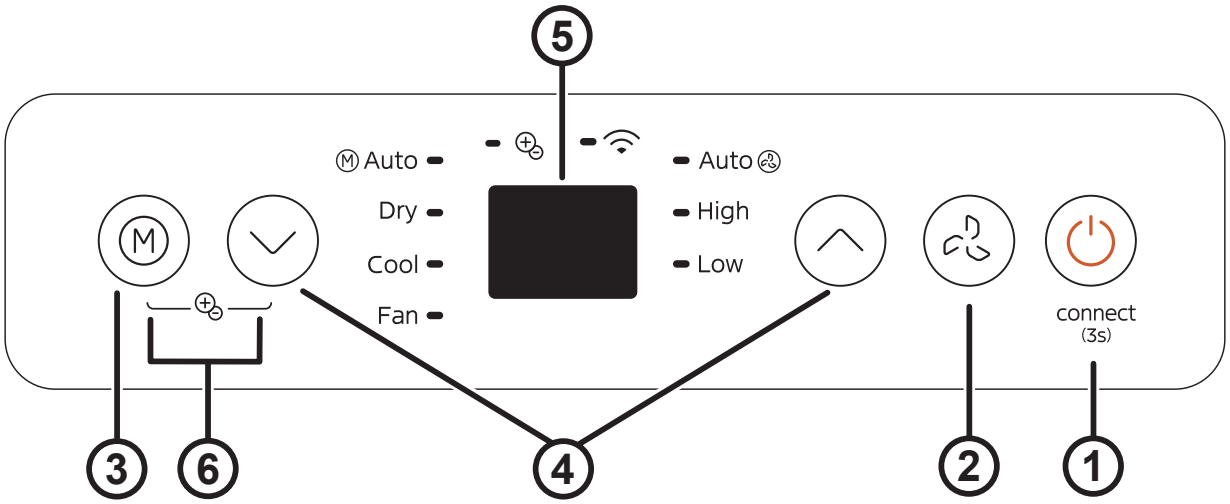
NOTE

All the illustrations in the manual are for explanation purpose only. Your machine may be slightly different. The actual shape shall prevail. The unit can be controlled by the unit control panel alone or with the remote controller. Please refer to the 'Remote Control' section on page 19' for details.

In order to ensure optimal performance, the design specifications of the unit and remote control are subject to change without prior notice.

OPERATION

CONTROL PANEL



1.	ON/OFF (Power) Button	4.	UP & DOWN Buttons
2.	FAN Speed Button	5.	Display
3.	MODE Selection Button	6.	FRESH Operation (some models)

IMPORTANT

Before operating this appliance ensure that the location and installation requirements have been met, refer to installation instructions starting on page 19 for details.

For the best cooling results ensure that the filters are clean, refer page 17 for details.

BASIC OPERATION

There are four basic operational modes available, these are AUTO, COOL (chilled air operation), DRY (chilled and dehumidified operation) and FAN (fan only operation).

BASIC OPERATION CONTROL PANEL

ON/OFF POWER BUTTON

1. Press the ON/OFF button (1).
2. Wireless Operation (on some models). Used to initiate the wireless connection mode.
3. When using the wireless function for the first time, press the POWER button for 3 seconds to initiate the wireless connection mode. The LED DISPLAY shows 'AP' to indicate you can set wireless connection. If connection (router) is successful within 8 minutes, the unit will exit wireless connection mode automatically and the wireless indicator illuminates. If connection fails within 8 minutes, the unit exits wireless connection mode automatically. After Wireless connection is successful, for some models you can press POWER and DOWN (﹀) buttons at the same time for 3 seconds to turn off Wireless function and the LED DISPLAY shows 'OF' for 3 seconds, press POWER button and UP(﹀) to turn on Wireless function and the LED DISPLAY shows 'On' for 3 seconds.

NOTE

When you restart the wireless function, it may take a period of time to connect to the network automatically.

FAN BUTTON

Press the FAN button (2).

Use fan speed button (2) to select the desired fan speed (HIGH, LOW or AUTO).

The fan speed indicator light illuminates under different fan settings.

MODE BUTTON

1. Press the MODE (M) button (3).
2. Use the Mode (M) selection button (3) to select appropriate operating mode. Each time you press the button, the mode is selected in a sequence from AUTO, DRY, COOL and FAN, The mode indicator light illuminates besides each mode setting.

AUTO MODE

1. Press the MODE (M) button (3) until the "Auto" indicator light comes on. In this mode, the fan speed or the temperature will be adjusted automatically.

NOTE **In AUTO mode, the FAN speed will be adjusted automatically..**

COOL MODE

1. Press the MODE (M) button (3) until the "Cool" indicator light comes on.
2. Press the UP (∧) and DOWN (∨) buttons to select your desired room temperature.
3. The temperature can be set within a range of 16°C to 32°C.
4. Press the "FAN" button to choose the fan speed.

DRY MODE

1. Press the MODE (M) button (3) until the "Dry" indicator light comes on.
2. In this mode, the fan speed or the temperature cannot be adjusted. The fan motor operates at Auto speed.

NOTE **Keep windows and doors closed for the best dehumidifying effect. Do not put the duct to window.**

FAN MODE

1. Press the MODE (M) button (3) until the "Fan" indicator light comes on.
2. Press the "FAN SPEED" button on the remote controller to choose the fan speed. The temperature can not be adjusted. Do not put the duct to window.

FAN MODE

Used to adjust (increasing/decreasing) temperature settings in 1°C increments in a range of 16°C to 30°C.

NOTE **The control is capable of displaying temperature in degrees Fahrenheit or degrees Celsius. To convert from one to the other, press and hold the Up and Down buttons at the same time for 3 seconds.**

DISPLAY

Shows the set temperature while on Cool, or Auto mode. It shows the room temperature on DRY and FAN modes.

Shows Error codes:

EH00-EEPROM error.

EH60-Room temperature sensor error.

EH61-Evaporator temperature sensor error.

EC52-Condenser temperature sensor error (on some models).

EH0b-Display panel communication error.

Shows protection code:

P1-Bottom tray is full--Connect the drain hose and drain the collected water. If error repeats, call for service.

When one of the above malfunctions occurs, turn off the unit, and check for any obstructions. Restart the unit, if the malfunction is still present, turn off the unit and unplug the power cord. Contact the manufacturer, its service agents or a similar qualified person for service.

FRESH OPERATION

Press MODE (M) and DOWN (⌄) buttons at the same time for 3 seconds to initiate FRESH feature. The FRESH light illuminates on some models, the LED DISPLAY shows 'On' for 3 seconds. The ion generator is energised and will help to purify the air inside. Press button again for 3 seconds to stop the FRESH feature. The FRESH light will turn dark on some models, the LED DISPLAY will show 'OF' for 3 seconds on some units.

OTHER FEATURES

FOLLOW ME / TEMP SENSING

This feature can be activated from the remote control ONLY. There is no indicator light on the control panel. The remote control serves as a remote thermostat allowing for the precise temperature control at its location.

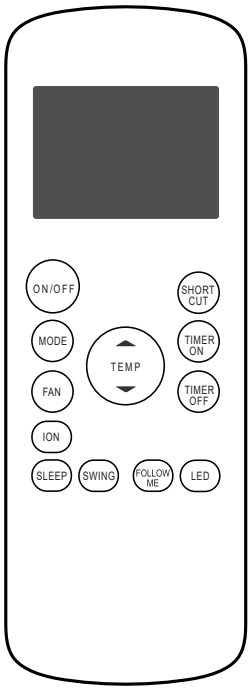
To activate the Follow Me/Temp Sensing feature, point the remote control towards the unit and press the Follow Me/ Temp Sensing button. The remote control will send this signal to the AC until press the Follow Me/Temp Sensing button again. If the unit does not receive the Follow Me/Temp Sensing signal during any 7 minutes interval, the unit will exit the Follow Me/Temp Sensing mode.

This feature is unavailable under FAN or DRY mode.

REMOTE CONTROL

REMOTE CONTROL SPECIFICATIONS

Rated Voltage	3.0V (dry batteries R03/LR03 x 2)
Signal Receiving Range	8m
Environment	-5°C ~ 60°C



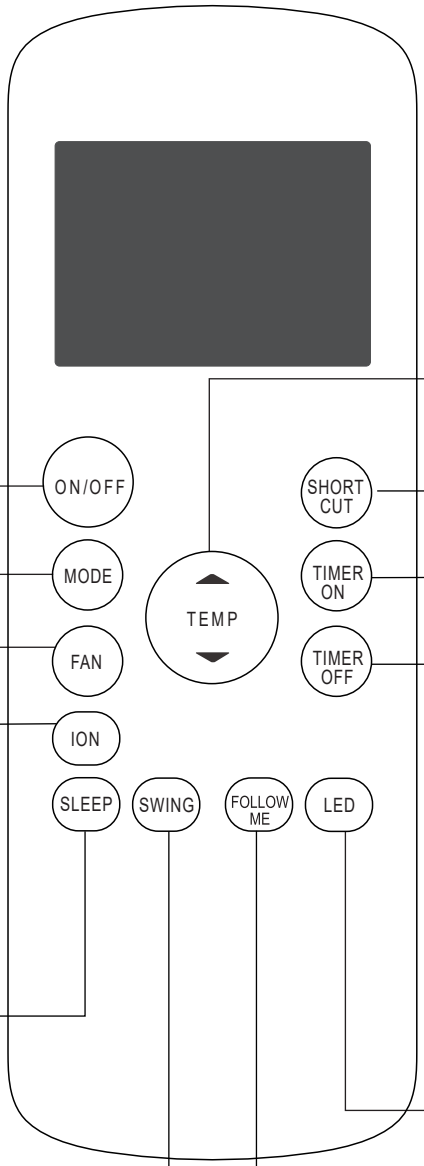
NOTE

All the illustrations in the manual are for explanation purpose only. Your remote may be slightly different. The actual shape shall prevail.

In order to ensure optimal performance, the design specifications of the unit and remote control are subject to change without prior notice.

FUNCTION BUTTONS

Before you begin using your new air conditioner, make sure to familiarise yourself with its remote control. The following is a brief introduction to the remote control itself. For instructions on how to operate your air conditioner, refer to the How to Use Basic Functions section of this manual.



ON/OFF
Turns the unit on or off.

MODE
Scrolls through operation modes as follows:
AUTO → COOL → DRY → HEAT → FAN

NOTE: Please do not select HEAT mode if the machine you purchased is cooling only type. Heat mode is not supported by the cooling only appliance.
RG57J2(B)/BGCE(U1) has only cool and fan mdoes.

FAN SPEED
Selects fan speeds in the following order:
AUTO → LOW → MED → HIGH
NOTE: MED is optional.

ION
Press this button, the Ionizer is energised and will help to remove pollen and impurities from the air.

SLEEP
Saves energy during sleeping hours.

SWING
Starts and stops louver movement.

FOLLOW ME
Temperature sensing and room temperature display button.

NOTE:
Swing, Ion, Follow me and Med fan speed features are optional.

SHORT CUT
Sets and activates your favorite pre-settings.

TEMP▲
Increases temperate in 1°C increments.
Max. temperature is 30°C.

TEMP▼
Decreases temperate in 1°C increments.
Min. temperature is 16°C.

NOTE: Press and hold ▲ and ▼ buttons together for 3 seconds will alternate the temperature display between the °C & °F scale.

TIMER ON
Sets timer to turn unit on (see **How to Use Basic Functions** for instructions)

TIMER OFF
Sets timer to turn unit off (see **How to Use Basic Functions** for instructions)

LED
Turns indoor unit's LED display on and off.
If you are sensitive to light when you go to sleep, you can press the LED button to turn off the LED display on the unit. Press the button again to turn it back on.

NOTE

- **Button designs on your unit may differ slightly from the example shown.**
- **If the indoor unit does not have a particular function, pressing that function's button on the remote control will have no effect.**
- **When there are differences between the Remote Controller illustration and USER'S MANUAL on function description, then the description in the USER'S MANUAL' shall prevail.**

HANDLING THE REMOTE CONTROLLER

Refer to the "How to use the Basic functions" on page 22 and "Advanced Functions" on page 27 sections of this manual for a detailed description of how to use your air conditioner.

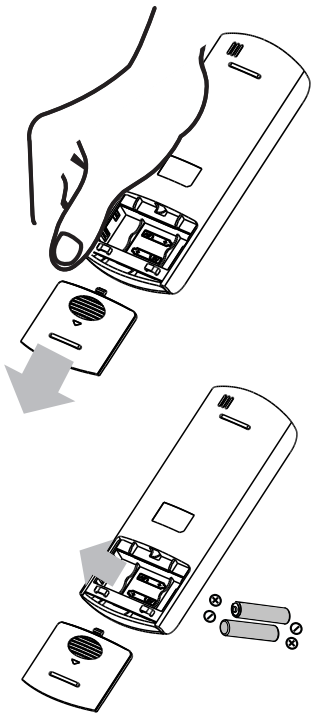
REMOTE CONTROL SIGNAL

- Direct sunlight can interfere with the infrared signal receiver.
- There must be a clear line of sight between the remote and the appliance.
- If the signals from the remote control happen to control another appliance, move the appliance to another location or contact customer service.

INSERTING & REPLACING BATTERIES

Your air conditioning unit comes with two AAA batteries. Put the batteries in the remote control before use.

1. Slide the back cover from the remote control downward, exposing the battery compartment.
2. Insert the batteries, paying attention to match up the (+) and (-) ends of the batteries with the symbols inside the battery compartment.
3. Slide the battery cover back into place.



BATTERY DISPOSAL

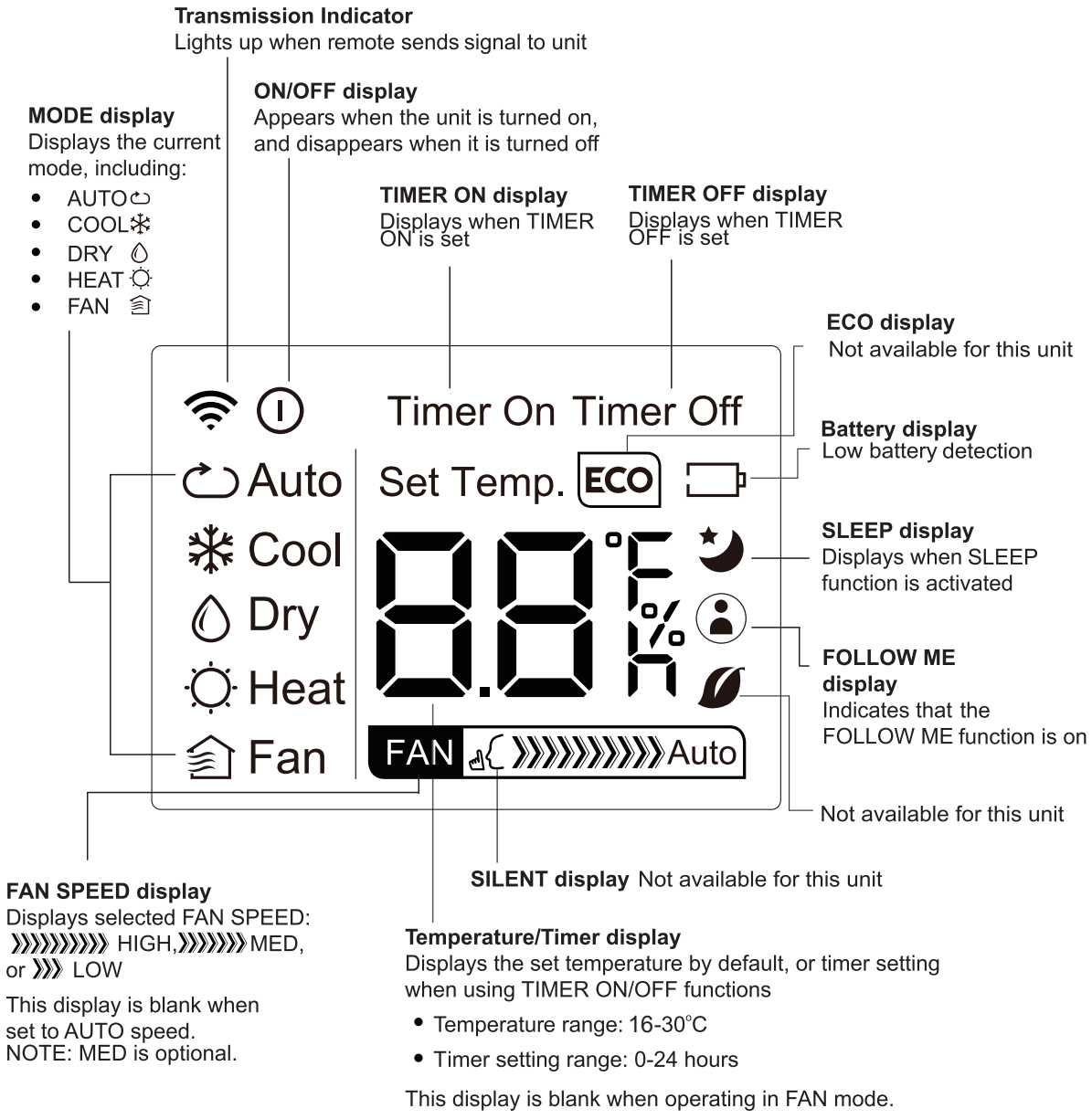
- Do not dispose of batteries as unsorted municipal waste. Refer to local laws for proper disposal of batteries.
- Batteries may have a chemical symbol at the bottom of the disposal icon. This chemical symbol means that the battery contains a heavy metal that exceeds a certain concentration. An example is Pb: Lead (>0.004%).
- Appliances and used batteries must be treated in a specialised facility for reuse, recycling and recovery. By ensuring correct disposal, you will help avoid possible negative consequences for the environment and human health.

BATTERY PERFORMANCE

For optimal product performance:

- Do not mix old and new batteries, or batteries of different brands.
- Do not leave batteries in the remote control if you don’t plan on using the device for more than 2 months.

REMOTE LED SCREEN INDICATORS



HOW TO USE THE BASIC FUNCTIONS

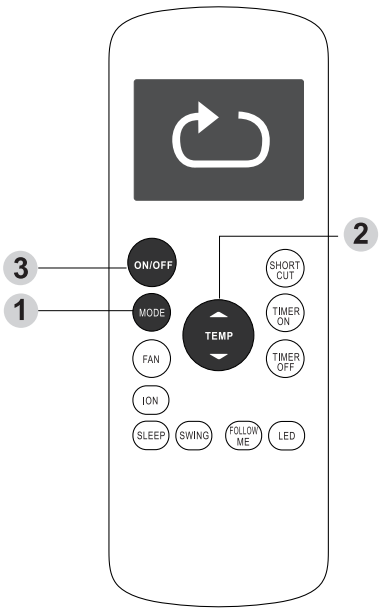
SETTING TEMPERATURE

The operating temperature range for this unit is 16-30°C. You can increase or decrease the set temperature in 1°C increments

AUTO MODE

In **'AUTO'** mode, the unit will automatically select the COOL, FAN, HEAT or DRY mode based on the set temperature.

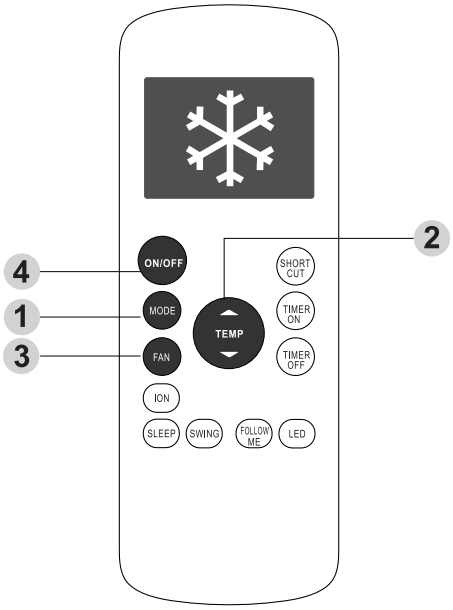
1. Press the **'MODE'** button to select Auto mode.
2. Set your desired temperature using **Temp ▲** or **Temp ▼** button.
3. Press the **'ON/OFF'** button to start the unit.



In AUTO mode, the FAN speed cannot be set.

COOL MODE

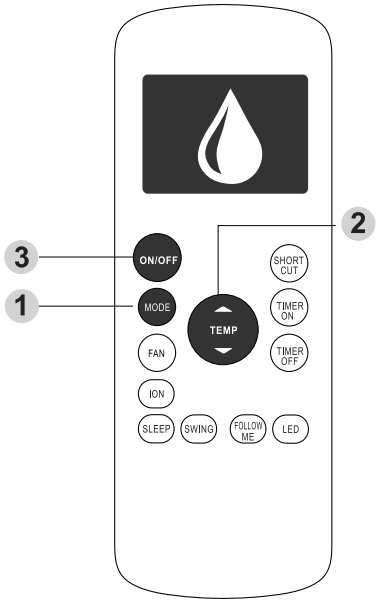
1. Press the **'MODE'** button to select **'COOL'** mode
2. Set your desired temperature using the **Temp ▲** or **Temp ▼** button.
3. Press the **'FAN'** button to select the Fan Speed: AUTO, LOW, MED or HIGH'.
4. Press the '**ON / OFF'** button to start the unit.



DRY MODE (DEHUMIDIFYING)

1. Press the **'MODE'** button to select **'DRY'** mode
2. Set your desired temperature using the **Temp ▲** or **Temp ▼** button.
3. Press the '**ON / OFF'** button to start the unit.

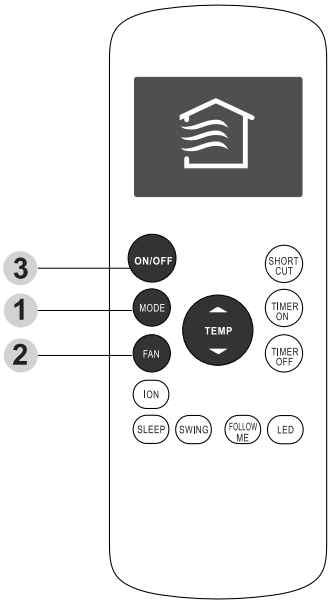
NOTE **In DRY mode, the FAN speed cannot be changed.**



FAN MODE

1. Press the **'MODE'** button to select **'FAN'** mode
2. Press the **'FAN'** button to select the Fan Speed: AUTO, LOW, MED or HIGH'.
3. Press the '**ON / OFF'** button to start the unit.

NOTE **You cannot set temperature in FAN mode. As a result, the remote control LCD screen will not display temperature.**



SETTING THE TIMER FUNCTION

Your air conditioner has two timer-related functions:

TIMER ON – sets the length of time after which the unit will automatically turn on.

TIMER OFF – sets the length of time after which the unit will automatically turn off.

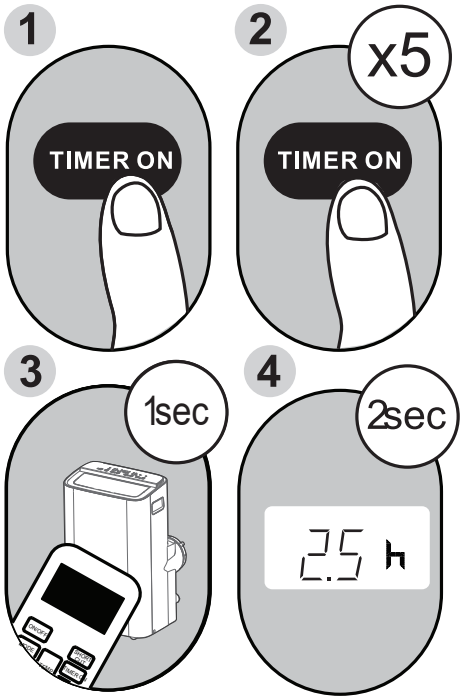
TIMER ON FUNCTION

The **TIMER ON** function allows you to set a period of time after which the unit will automatically turn on. For instance when you come home from work.

1. Press the **TIMER ON** button. By default, the last time period that you set and a **'h'** (indicating hours) will appear on the display.

> **NOTE**
> **This number indicates the amount of time after the current time that you want the unit to turn on. Eg. if you set TIMER ON for 2 hours, '2.0h' will appear on the screen and the unit will turn on after 2 hours.**

2. Press the **TIMER ON** button repeatedly to set the time when you want the unit to turn on.
3. Wait 2 seconds, then the **TIMER ON** function will be activated. The digital display on your remote control will then return to the temperature display.



Example: *Setting unit to turn on after 2.5 hours*

TIMER OFF FUNCTION

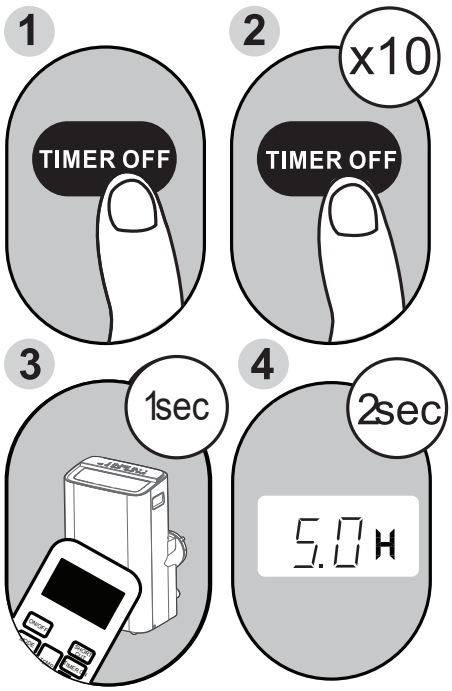
The **TIMER OFF** function allows you to set a period of time after which the unit will automatically turn off. For instance when you wake up in the morning.

1. Press the **TIMER OFF** button. By default, the last time period that you set and a **'h'** (indicating hours) will appear on the display.

> **NOTE**
> **This number indicates the amount of time after the current time that you want the unit to turn off. Eg. if you set TIMER OFF for 2 hours, '2.0h' will appear on the screen and the unit will turn off after 2 hours.**

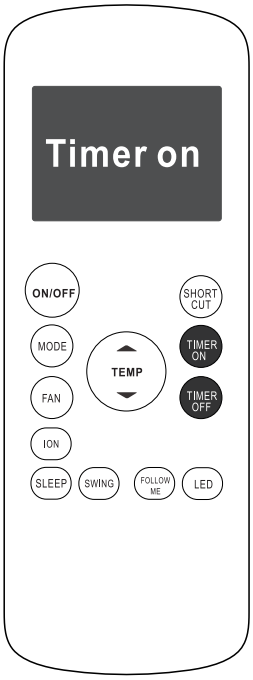
2. Press the **TIMER OFF** button repeatedly to set the time when you want the unit to turn off.
3. Wait 2 seconds, then the **TIMER OFF** function will be activated. The digital display on your remote control will then return to the temperature display.

1.



Example: *Setting unit to turn off after 5 hours*

When setting the TIMER ON or TIMER OFF functions for up to 10 hours, the time will increase in 30 minute increments with each press. After 10 hours and up to to 24 hours, it will increase in 1 hour increments. The time will revert back to zero after 24 hours. You can turn off either function by setting its timer to '0.0h'.

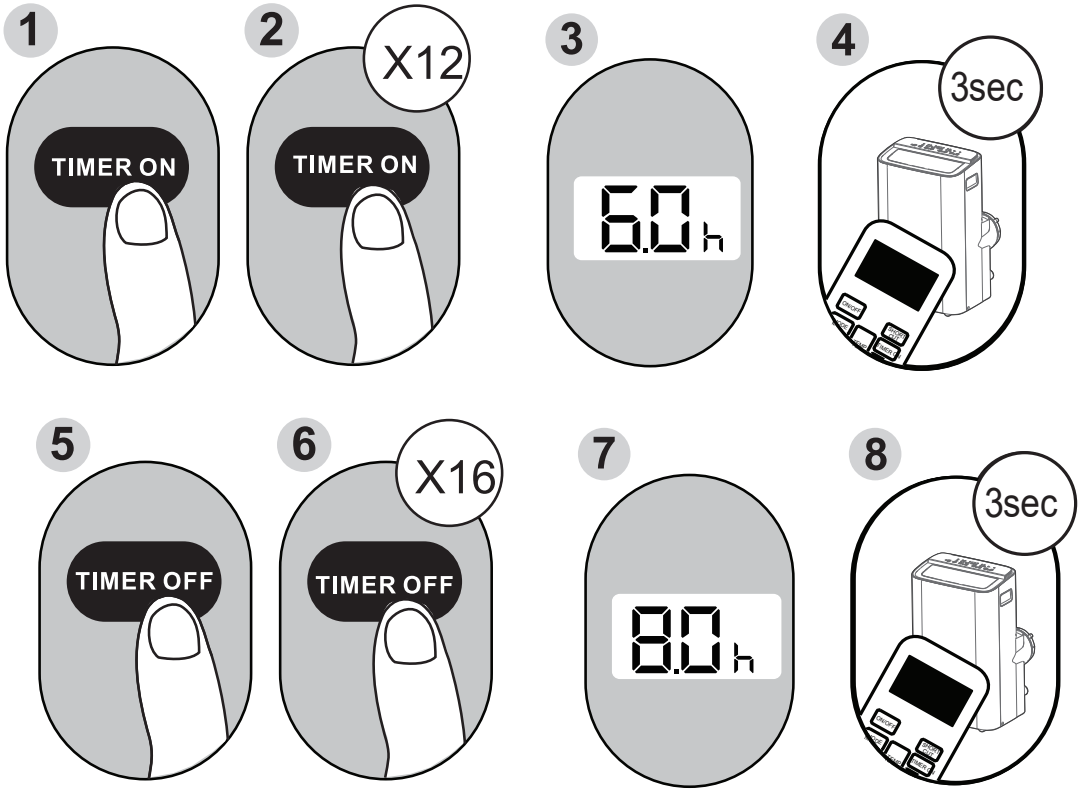


Continue to press **TIMER ON** or **TIMER OFF** until desired time is reached.

SETTING BOTH TIMER ON & TIMER OFF CONCURRENTLY

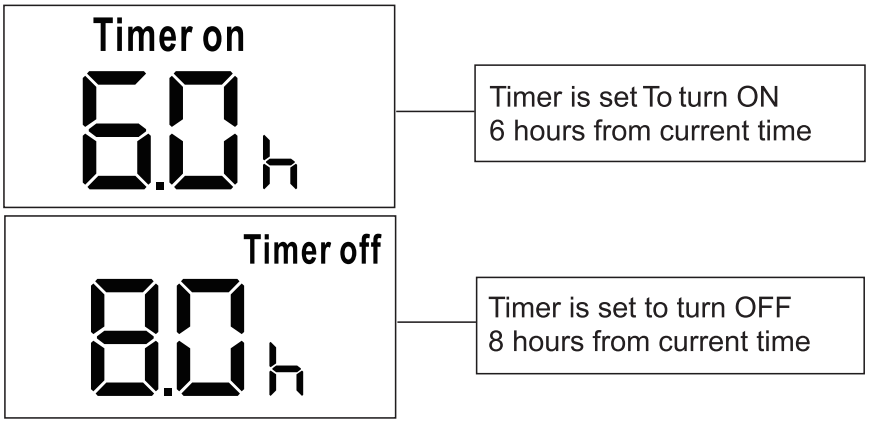
Consider, that the time periods you set for both functions refer to hours after the current time. For example, if the current time is 1pm, and you want the unit to turn on automatically at 7.00pm, then you want it operating for 2 hours, then automatically turn off at 9.00pm.

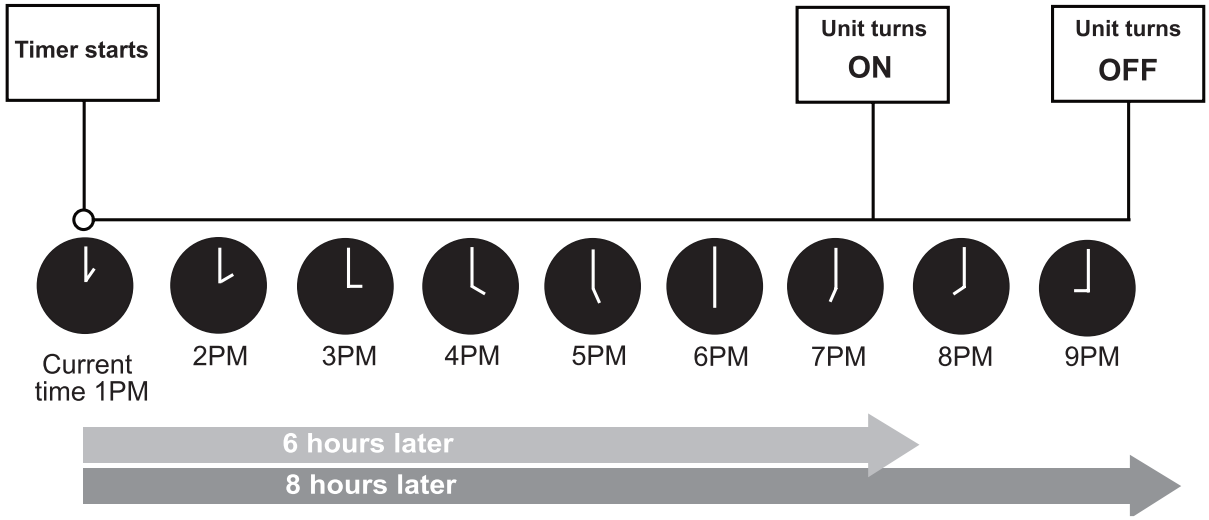
Do the following:



Example: Setting the unit to turn on after 6 hours, will operate for 2 hours, then turn off. Refer to the figure below.

Your remote display



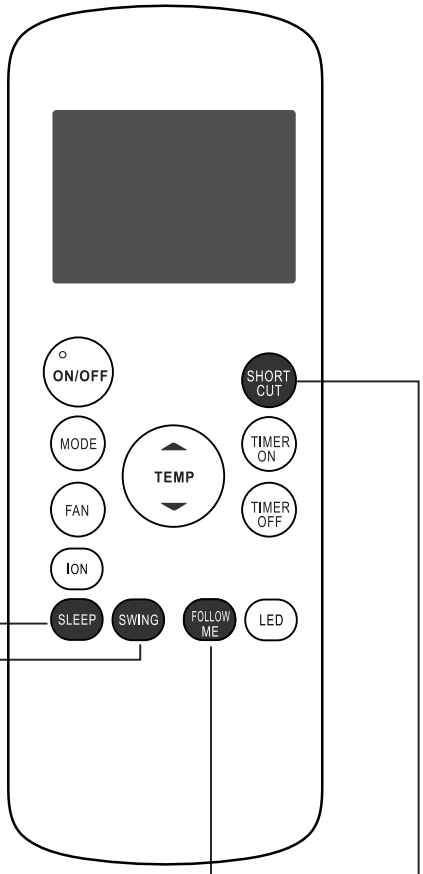


ADVANCED FUNCTIONS

SLEEP Function

The SLEEP function is used to decrease energy use while you sleep (and don't need the same temperature settings to stay comfortable).

NOTE **The SLEEP function is noet available in FAN or DRY mode**



SWING Function

Used to stop or start louver movement and set the desired up/down air flow direction. The louver changes 6 degrees in angle for each press (some models without). If keep pushing more than 2 seconds, the louver auto swing feature is activated.

FOLLOW ME function

The FOLLOW ME function enables the remote control to measure the temperature at its current location. When using AUTO, COOL, or HEAT functions, measuring ambient temperature from the remote control (instead of from the indoor unit itself) will enable the air conditioner to optimise the temperature around you and ensure maximum comfort.

1. Press **FOLLOW ME** button to activate function. The remote control will send temperature signal to the unit every three minutes.
2. Press **FOLLOW ME** button again to turn off this function.

SHORTCUT function

- Used to restore the current settings or resume previous settings.
- Push this button when remote controller is on, the system will automatically revert back to the previous settings including operating mode, setting temperature, fan speed level and sleep feature (if activated).
- If pushing more than 2 seconds, the system will automatically restore the current operation settings including operating mode, setting temperature, fan speed level and sleep feature (if activated).

WIRELESS

WIRELESS OPERATION

Visit your device app store (iOS or Android) to download the NetHome Plus APP. Once installed follow the procedure below to pair the device with your appliance.

- Please ensure your mobile device is connected to Wireless router. Also, the Wireless router has already connected to Internet before doing user registration and network configuration.
- Make sure your mobile device has already been connected to the Wireless network which you want to use. Also, you need to forget other irrelevant Wireless network in case it influences your configuration process.

Once connected you can fully control your appliance.

For further details, refer to the Wireless Smart Kit Operation Manual. A copy of the manual may be downloaded from the POLO COOL website: http://www.mypolo.com.au/downloads/

CARE & MAINTENANCE

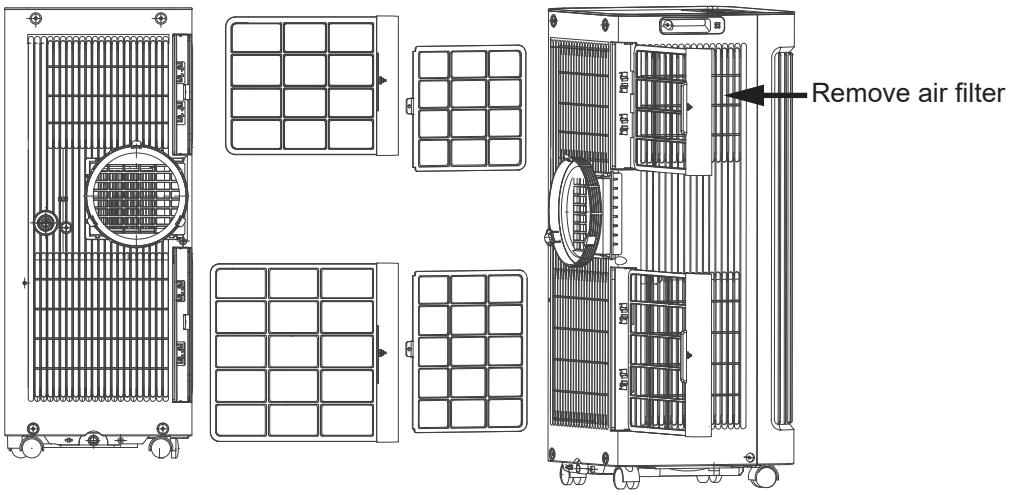
GENERAL MAINTENANCE

It is recommended that after each cooling season the exterior panels and display of the appliance are cleaned with a soft damp cloth.

For optimal performance, air filters should be checked and cleaned every week during periods of heavy use. For intermittent use this can be extended to 2 to 3 weeks.

The water collection tray should be drained immediately after P1 error occurs, and before storage to prevent mould.

In households with animals, you will have to periodically wipe down the grill to prevent blocked airflow due to animal hair.



CAUTION

ALWAYS turn off the power before you perform any maintenance.

DO NOT use solvents, flammable liquids, chemicals, alcohol or harsh cleaners on this appliance or the filters.

NEVER use water that is hotter than 40°C when you clean the filters. It may cause deformation or discolouration.

DO NOT wash the unit under running water. Doing so causes electrical danger.

DO NOT operate the machine if the power supply was damaged during cleaning. A damaged power cord must be replaced with a new cord from the manufacturer.

CLEANING THE AIR FILTER

Before removing the grills, ensure the power cord is disconnected from the power supply.

1. Remove the grills:
2. Un-clip the filters from each of the grills. Clean the filters with a vacuum cleaner or with warm water. If dirt is difficult to remove, wash the filter in lukewarm water with a mild detergent.
3. Ensure that the filters are dry before replacing.
4. Re-attach the grills:

The power may now be reconnected.

NOTE

Failure to clean the filters regularly can cause excessive condensation to form and reduce the appliances efficiency.

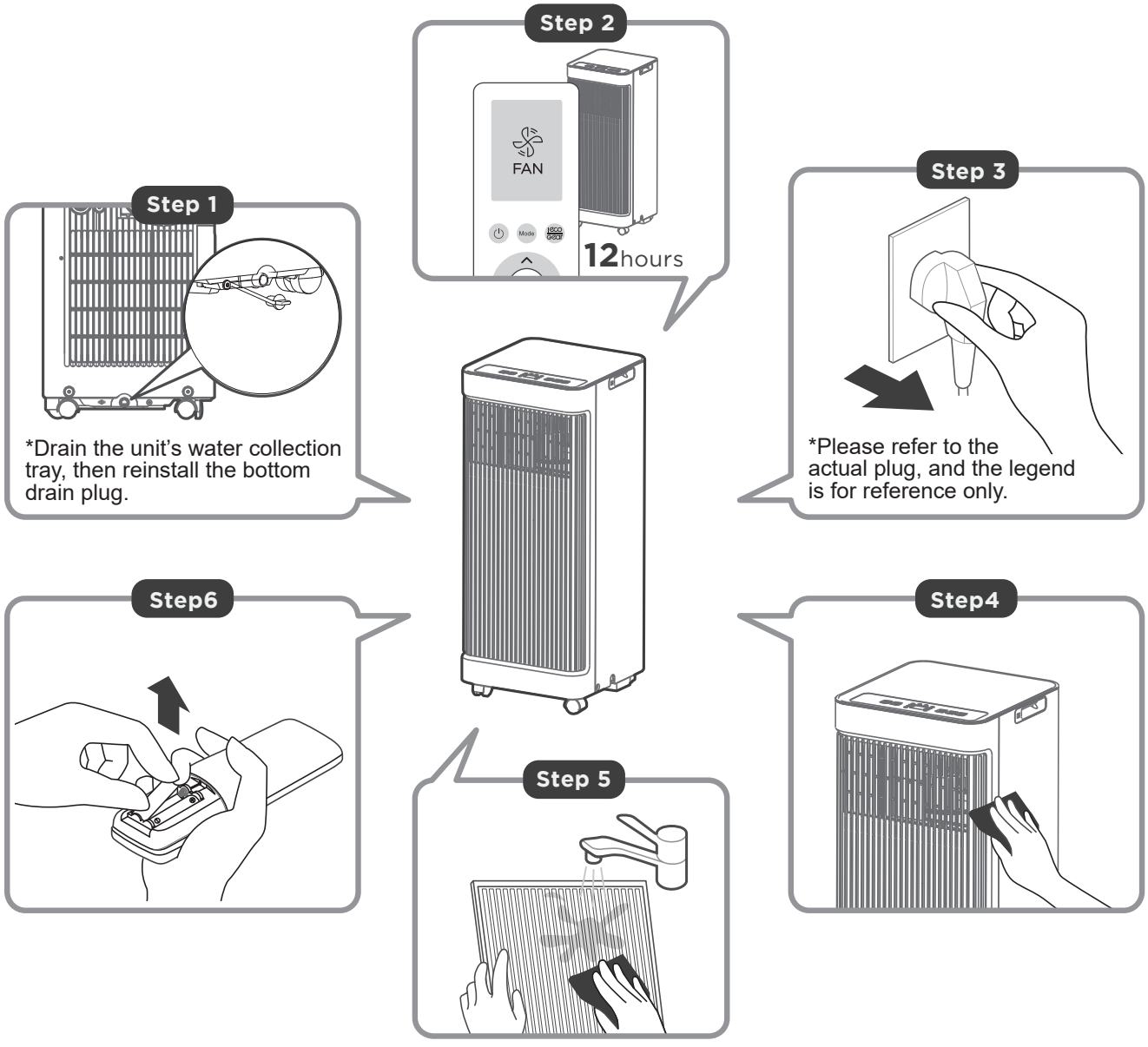
If you need replacement filters, please contact Rinnai.

CAUTION

DO NOT operate the unit without a filter because dirt and lint will clog it and reduce performance.

STORING THE UNIT WHEN NOT IN USE

- Drain the unit's water collection tray according to Drainage Guide. See following section on "Drainage" on page 31.
- Run the appliance on FAN mode for 12 hours in a warm room to dry it and prevent mould.
- Turn off the appliance and unplug it.
- Clean the air filter according to the instructions in the previous section. Reinstall the clean, dry filter before storing.
- Remove the batteries from the remote control.



NOTE

Be sure to store the unit in a cool, dark place. Exposure to direct sunshine or extreme heat can shorten the lifespan of the unit.

The cabinet and front may be dusted with an oil-free cloth or washed with a cloth dampened in a solution of warm water and mild liquid dishwashing detergent. Rinse thoroughly and wipe dry.

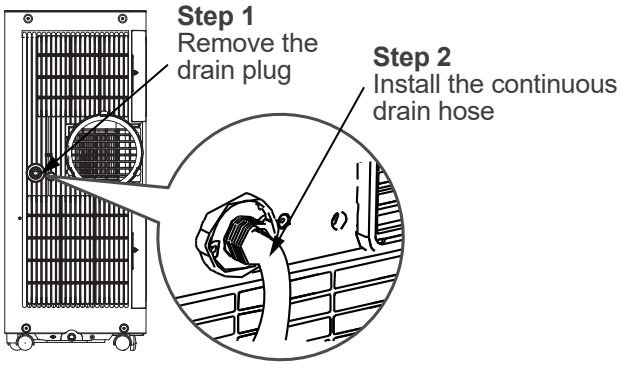
Never use harsh cleansers, wax or polish on the cabinet front.

Be sure to wring excess water from the cloth before wiping around the controls. Excess water in or around the controls may cause damage to the unit.

DRAINAGE

DEHUMIDIFYING MODE DRAINAGE GUIDE

During dehumidifying modes, remove the drain plug from the back of the unit, install the drain connector (5/8" universal female mender) with 3/4" hose (which is included as part of accessories). For the models without drain connector, just attach the drain hose to the hole. Drain the condensate into a drain tray or waste outlet.



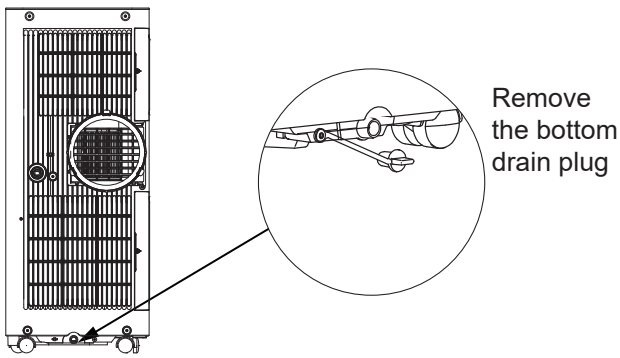
NOTE

Make sure the hose is secure so there are no leaks. Direct the hose toward the drain, making sure that there are no kinks that will stop the water flowing. Place the end of the hose into the drain and make sure the end of the hose is down to let the water flow smoothly. When the continuous drain hose is not used, ensure that the drain plug are installed firmly to prevent leakage.

WATER COLLECTION TRAY DRAINAGE GUIDE

When the water level of the bottom tray reaches a predetermined level, the unit beeps 8 times, the digital display area shows "P1". At this time the air conditioning/dehumidification process will immediately stop.

However, the fan motor will continue to operate (this is normal). Carefully move the unit to a drain location, remove the bottom drain plug and let the water drain away. Reinstall the bottom drain plug and restart the machine until the "P1" symbol disappears. If the error repeats, call for service.



NOTE

Be sure to reinstall the bottom drain plug firmly to prevent leakage before using the unit.

TROUBLESHOOTING

SAVE A SERVICE CALL

Common Issues

The following problems are not a malfunction and in most situations will not require repairs.

SYMPTOM	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
Appliance will not operate.	Not plugged into power.	Plug into power.
	Power switch OFF.	Switch power ON.
Unit does not turn on when pressing ON/OFF button	P1 Protection Code appears on the display	The Water Collection Tray is full. Turn off the unit, drain the water from the Water Collection Tray and restart the unit.
	In COOL mode: room temperature is lower than the set temperature.	Reset the temperature. Adjust the set temperature to be lower than the room temperature.
The air conditioner does not generate enough cool air.	The air filter is blocked with dust or animal hair.	Turn off the unit and clean the filter according to instructions.
	Exhaust hose is not connected or is blocked.	Turn off the unit, disconnect the hose, check for blockage and reconnect the hose.
	The unit is low on refrigerant.	Call a service technician to inspect the unit and top up refrigerant.
	Temperature setting is too high.	Decrease the set temperature.
	The windows and doors in the room are open.	Make sure all windows and doors are closed.
	Cooling space too big	Operate the appliance within the required cooling capacity.
	There are heat sources inside the room.	Remove or turn off the heat sources if possible.
The unit is too noisy or vibrating.	Operating surface not level.	Move the appliance to a flat, level operating surface.
	The air filter is blocked with dust or animal hair.	Turn off the unit and clean the filter according to instructions.
The unit makes a gurgling sound.	This sound is caused by the flow of refrigerant inside the unit.	This is normal.

WHEN TO CALL FOR SERVICE

SYMPTOM	CAUSE
There is a burning smell and a strange sound coming from the unit. When operated if a circuit breaker (safety, ground) is thrown or a fuse is blown.	Turn off the air conditioner, and contact Rinnai.

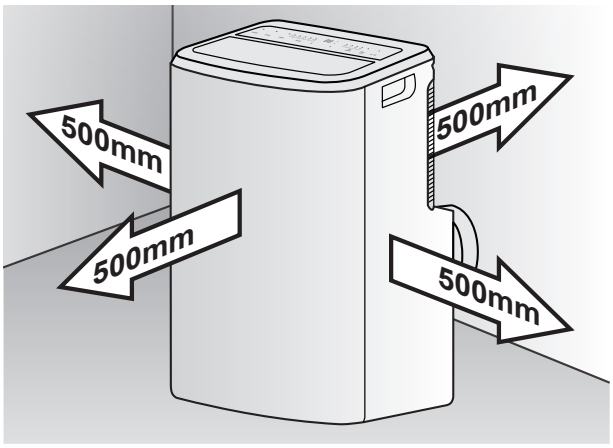
LOCATION

This portable air conditioner must be installed on a flat, even and dry surface to minimise noise and vibration. A minimum clearance of 500mm from walls or other appliances is required as well as easy access to a power point (GPO).

The Collection Tray Drain (found on the back of the unit) must be accessible.

The air outlets and the ducting system must not be obstructed.

DO NOT cover the Intakes, Outlets or Remote Signal Receptor of the unit, as this could cause damage to the unit.



IMPORTANT

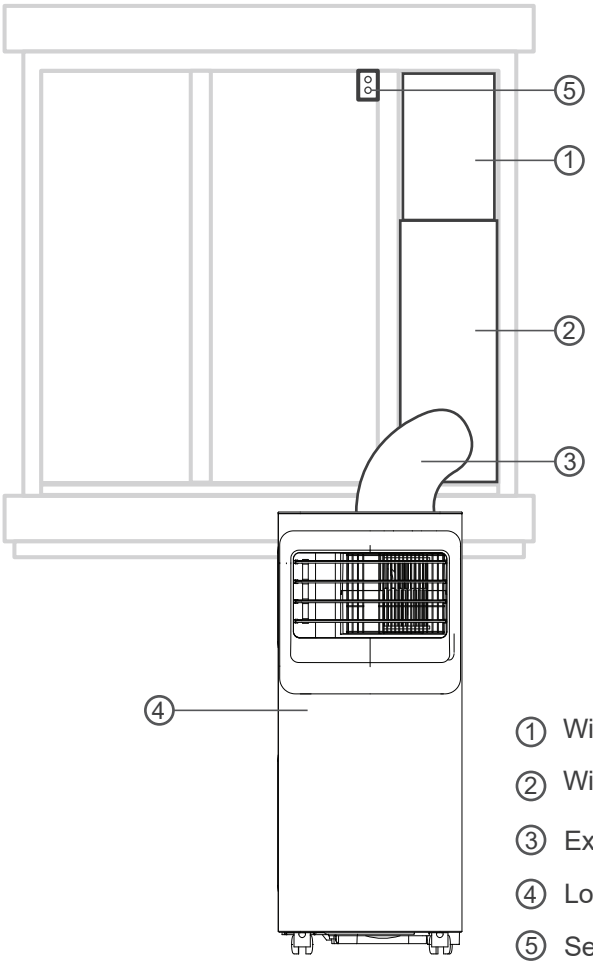
The appliance is fitted with a 1.7m flexible cord 220-240V 50Hz 10A.

The maximum duct extension is 1.5m in total.

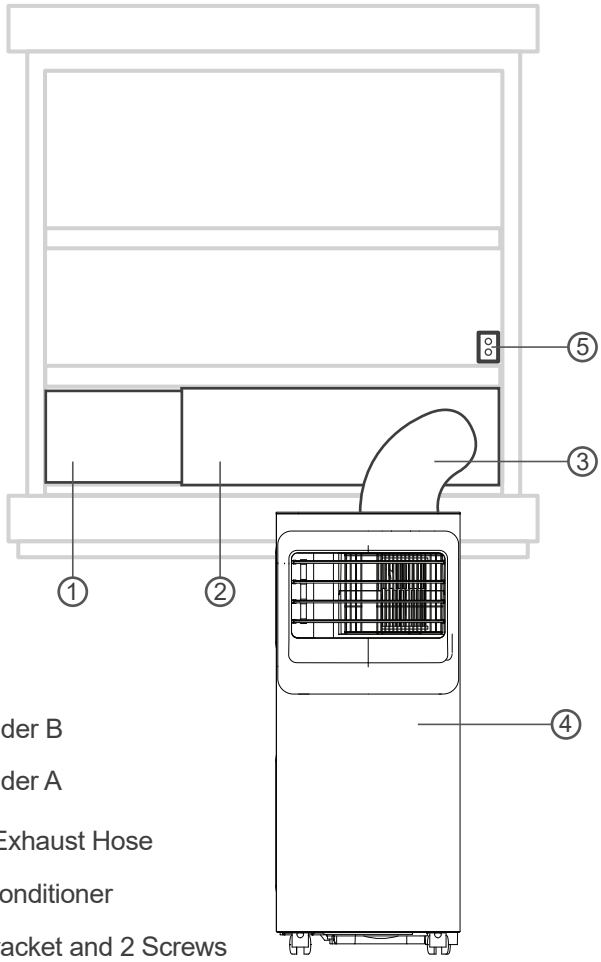
Both factors are to be taken into account when determining the location that the appliance will be operated in.

INSTALLATION OVERVIEW

Sliding Window Installation



Hung Window Installation



① Window Slider B

② Window Slider A

③ Extended Exhaust Hose

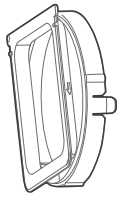
④ Local Air Conditioner

⑤ Security Bracket and 2 Screws

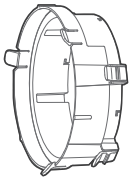
NOTE

Illustrations in this manual are for explanatory purposes. The actual shape of your indoor unit may be slightly different. The actual shape shall prevail.

INSTALLATION ACCESSORIES



Unit Adaptor (1pc)



Window Slider Adaptor(1pc*)

Window Slider A (1pc*)

Window Slider B (1pc*)

Foam Seal A (Adhesive) (2pc*)

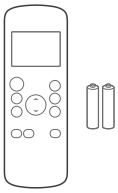
Foam Seal B (Adhesive) (2pc*)

Foam Seal C (Non-adhesive) 1 pc(*)

Security Bracket and 2 Screws (1 set*)

Drain Hose (1pc)

Exhaust Hose



Remote Controller and Battery (only for remote control models)(1set*)

Bolt (1pc*)

NOTE **Items with (*) are on some models. Slight variations in design may occur.**

TOOLS REQUIRED

List of items required for installation. Please note these are field supplied and not included.

Screwdriver & wrench

Pencil

A tape measure

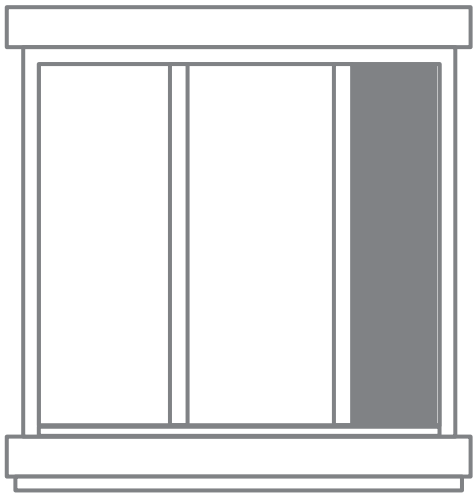
Scissors or Knife

Saw (On some models, to shorten window adaptor for narrow windows)

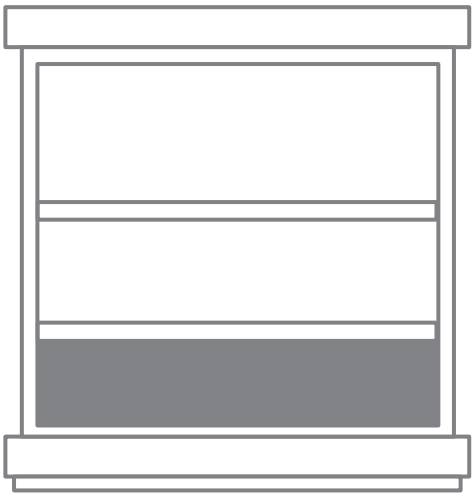
CONFIRM YOUR WINDOW TYPE

Window type and opening size of different types.

Sliding Window Installation

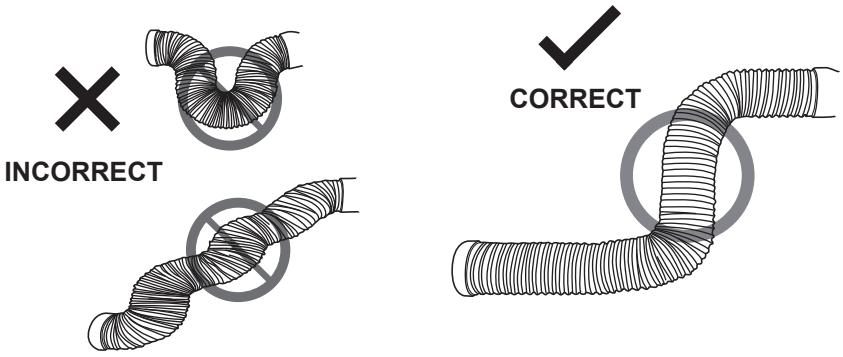


Hung Window Installation



OPTIMAL EXHAUST DUCTING PERFORMANCE

To ensure proper function, make sure that there is no obstacle around the air outlet of the exhaust hose (in the range of 500mm) in order to the exhaust system works properly. All the illustrations in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail.



IMPORTANT

DO NOT over extend the exhaust duct.

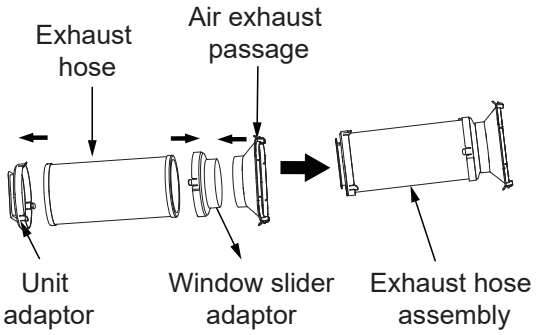
Over extension of the exhaust duct can lead to kinking.

Kinked ducting causes air flow restrictions and lowers the efficiency of the appliance.

Keeping the exhaust duct as short as possible avoids this issue.

WINDOW INSTALLATIONS

EXHAUST HOSE ASSEMBLY INSTALLATION (WINDOW TYPE)



Press the exhaust hose (or extended exhaust hose) into the window slider adaptor and unit adaptor. Clamp automatically by elastic buckles of the adaptors.

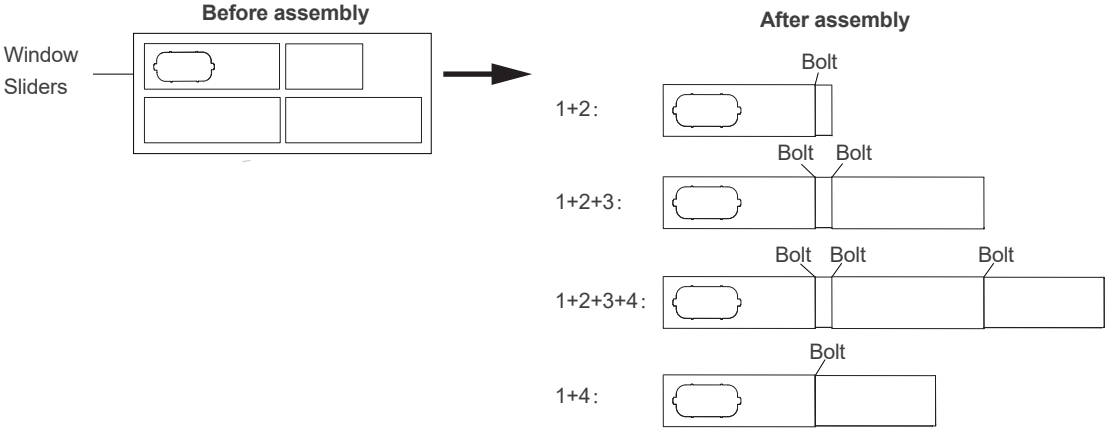
Please install the exhaust hose assembly according to the fittings in your kit.

CONNECT ADAPTER TO UNIT & WINDOW

Preparing the Adjustable Window Slider

Choose the window sliders according the size of your window. Sometimes, it needs to be cut short to meet the window size, please take extra care to cut it properly.

Use bolts to fasten the window sliders once they are adjusted to the Proper length.

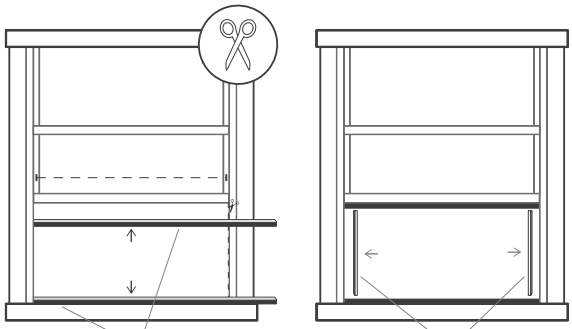


Please base your window slider installation on the accessories in your kit and the width of your window.

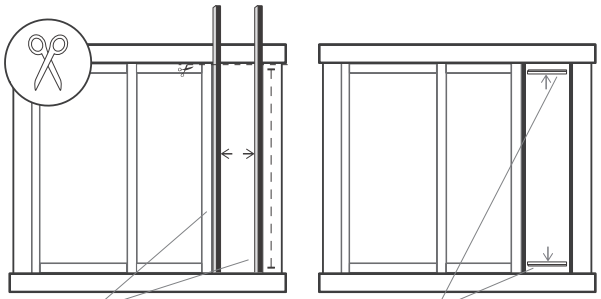
COMPLETE SEALING OF WINDOW

Cut the adhesive foam seal A and B strips to the proper lengths, and attach them to the window sash and frame as shown in diagram below.

Hung Window Installation

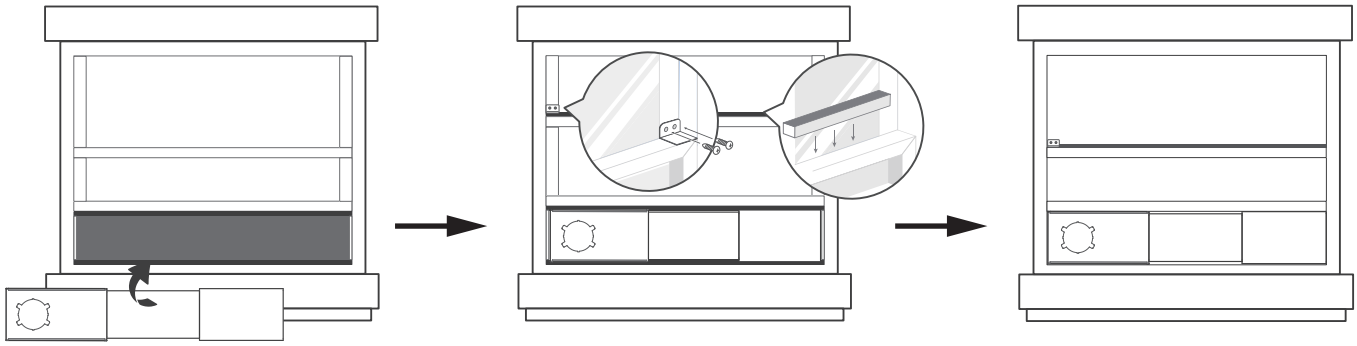


Sliding Window Installation



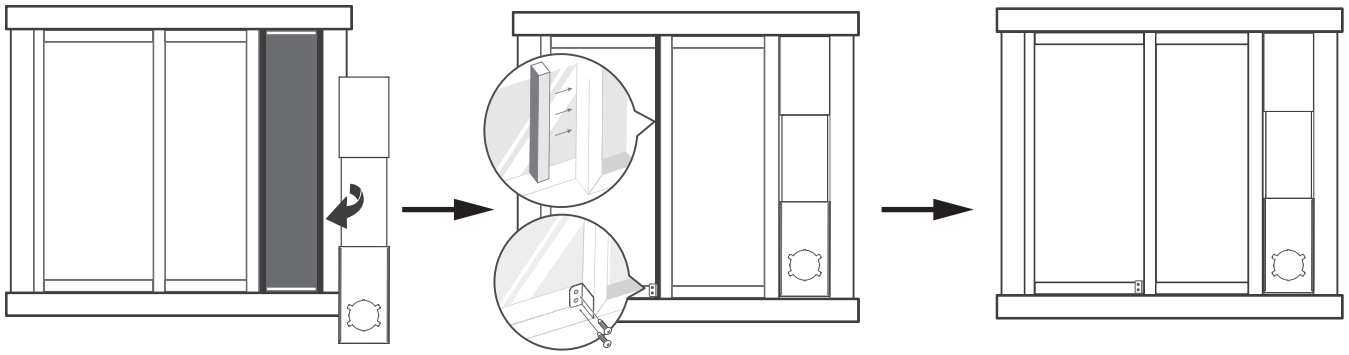
HUNG WINDOW INSTALLATION

1. Insert the window slider assembly into the window opening.
2. Cut the non-adhesive foam seal C strip to match the width of the window. Insert the seal between the glass and the window frame to prevent air and insects from getting into the room.
3. If desired, install the security bracket with 2 screws as shown in diagram below.



SLIDING WINDOW INSTALLATION

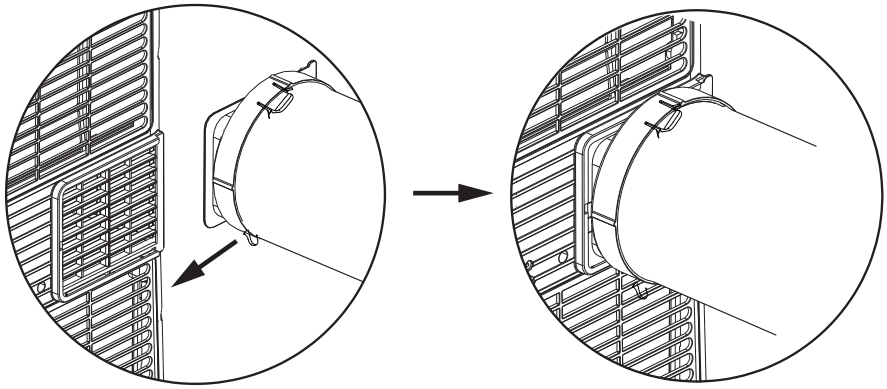
1. Insert the window slider assembly into the window opening.
2. Cut the non-adhesive foam seal C strip to match the height of the window. Insert the seal between the glass and the window frame to prevent air and insects from getting into the room.
3. If desired, install the security bracket with 2 screws as shown.



NOTE **Once the Exhaust Hose assembly and Adjustable Window Slider are prepared, choose from one of the following two installation methods.**

INSTALL THE EXHAUST HOSE ASSEMBLY TO UNIT

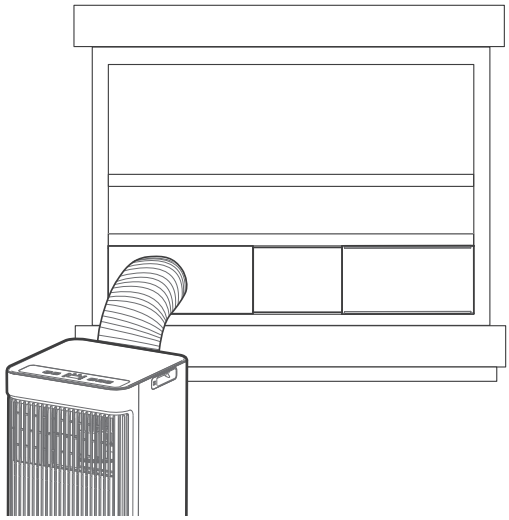
Push the Exhaust hose into the air outlet opening of the unit along the arrow direction.



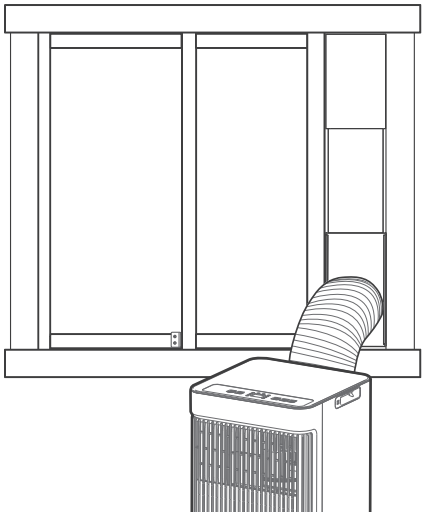
CONNECT THE ADAPTOR TO UNIT AND WINDOW

Insert the window slider adaptor into the hole of the window slider.

Hung Window Installation



Sliding Window Installation



WARRANTY

TERMS OF WARRANTY – AUSTRALIA

Rinnai Australia Pty. Ltd. ABN 74 005 138 769, 82-88 Mills Road, Braeside, Victoria, 3195.

1 DEFINITIONS

The terms listed below shall have the following meanings:

1 **"Authorised Service Representative"** means an independent service contractor authorised by Rinnai or Rinnai service personnel.

2 **"Rinnai"** means Rinnai Australia Pty Ltd (ABN 74 005 138 769) and any related company.

3 **"Certificate(s) of Compliance"** means certificate(s) issued by licensed personnel (including plumbers, refrigeration mechanics, electricians or other relevant tradespeople) to certify that any prescribed works comply with applicable regulatory requirements.

4 **"Certificate(s) of Occupancy"** means certificate(s) issued by the local government authority (or similar organisation) which certifies that a home can be occupied.

5 **"Installation Site"** means the site at which the Product is originally installed.

6 **"Normal Business Hours"** means 8:30am to 5:00pm Monday to Friday, excluding public holidays.

7 "Operating/Installation Instructions" means the user manual or other documentation which provides detailed instructions on the proper operation and maintenance of the Product.

8 **"Other Applications"** means any Product used for purposes other than Residential & Light Commercial Applications. Other Applications may include but are not limited to factory, IT/Server room, telephone exchange, processing area (e.g. bakery, kitchen, warehouse, swimming pool, agricultural facilities such as a nursery). Any Product which has been installed, for whatever purpose, as a retrofit component to an existing system, will also be classed as being part of an "Other Application" regardless of the purpose of use of the existing system into which such product has been installed.

9 **"Purchaser"** means the end user of the Product, the person named as owner in the Warranty certificate, the holder of the Proof of Purchase or the holder of a property transfer document where the Product is included as part of the chattels.

10 **"Product"** means the equipment purchased by the Purchaser and described in Section 2 of this document.

11 **"Proof of Purchase"** means a Tax Invoice or Receipt in respect of the Product. In the case of new constructions, a Certificate of Occupancy or a Certificate of Compliance that details the date of installation or commissioning will suffice.

12 **"Qualified Installer"** means the qualified installation contractor who is responsible for performing the installation work in the manner prescribed by local and statutory regulations, including compliance with any relevant and to Rinnai specifications, including Australian Standards.

13 **"Residential & Light Commercial Applications"** means any Product for use in residential or light commercial applications where

   a) the Product is solely used for the purpose of human comfort; and
   b) the ambient temperature of the space the Product is intended to heat or cool is influenced solely or primarily by natural exterior weather conditions rather than by man-made or mechanical heat sources.

   Examples of Residential & Light Commercial Applications include, homes, offices, hotels, apartments, nursing homes, hospitals, health care premises, shopping centres, and retail stores.

2 TERMS OF WARRANTY

2.1 Subject to the terms of warranty set out in this document, and effective from the date of completion of installation, the product is warranted to be free from defects in materials & factory workmanship for the period set out in the table below:

	PRODUCT GROUPS	PARTS	LABOUR
Residential and Light Commercial	Evaporative Coolers & Ducted Gas Heaters (excluding Compact Classic Series)	5 Years *Extended 4 Years Option	5 Years *Extended 4 Years Option
	Ducted Gas Heaters - Compact Classic Series	3 Years	3 Years
	Refrigerated Air Conditioning Products	7 Years	7 Years
	Add-On ICE Refrigerated Cooling System	5 Years	5 Years
	VRF Air Conditioning Products	5 Years	5 Years
	Ducted Gas Heaters - Heat Exchangers and Burners Evaporative Coolers - Structural components only	10 Years	N/A
	Portable Air Conditioning [1] / Dehumidifier [1] / Air Purifier [1]	2 Years	N/A
	Electric Panel Heaters [1]	7 Years	N/A
	Electric Fire Heater	5 Years	5 Years
	Outdoor Radiant Heater	3 Years	1 Year
	Wi-Fi Devices	1 Year	1 Year
Commercial	Refrigerated Air Conditioning Products	2 Years	1 Year
Other Applications	All Product Groups	2 Years	1 Year
After Market	Spare Parts	1 Year	N/A
*Extended Warranty Option	Up to 4 year extended warranty (in addition to the standard warranty period listed above) applies on selected products when you opt in to the Rinnai Service Advantage program. This program has terms and conditions, including the requirement for scheduled servicing of the product by Rinnai. To participate in the program you must register your product online at: www.rinnai.com.au/ support-resources/ warranty-registration/ within the first 12 months of the product being installed.		

[1] *To make a claim under this warranty, please contact your place of purchase within the warranty period.*

2.2 Rinnai will determine in its sole discretion, which classification the Product fits into and the corresponding Warranty that shall apply.

2.3 An Authorised Service Representative will repair or replace, at its option, the Product or any part of the Product that its examination shows to be defective. The repair or replacement shall be performed during Normal Business Hours by an Authorised Service Representative. Repair by persons other than an Authorised Service Representatives may void the Warranty.

2.4 Alternatively to clause 2.3 above, Rinnai can at its discretion elect to pay you an amount equivalent to the cost of repairing or replacing the Product.

2.5 If Rinnai provides you with either the replacement costs or replacement product, ownership of the original Product shall immediately transfer to Rinnai.

2.6 Rinnai is responsible for reasonable costs associated with legitimate warranty claims, including call-out of an Authorised Service Representative to inspect the Product. Rinnai is not responsible for:

a) costs for tradespeople engaged by you that are not Rinnai Authorised Service Representatives.
b) any costs, including call out costs for a Rinnai Authorised Service Representatives, associated with a Product which is determined upon inspection not to be covered by this warranty.

2.7 Rinnai will reimburse any reasonable costs associated with making a legitimate warranty claim against Rinnai which are not otherwise specified above.

2.8 The Warranty of the Product requires that, in addition to all other conditions, the Purchaser conducts regular and/or preventative maintenance as may be specified by the Operating/Installation Instructions or otherwise directed by Rinnai and required by the level of usage and the usage environment, including the use of correct and uncontaminated refrigerants and lubricants. Refrigeration, plumbing and electrical works must be undertaken by licensed personnel.

2.9 Where a Product or failed component is replaced under warranty, the time remaining on the original Product warranty period will continue to apply and the replacement product or part will be subject to the original warranty period only.

3 CONDITIONS OF WARRANTY

3.1 The Purchaser may only obtain the benefit of the Warranty if the Purchaser:
- a) maintains and has the Product serviced in accordance with the instructions set out in the service section of the relevant Service or Owner's Manual;
- b) complies with clause 7 "Purchaser's Responsibilities";
- c) notifies Rinnai within 30 days of a defect occurring or, in the case of a latent defect, becoming apparent, that a claim is being made under this Warranty; and
- d) provides, in support of the claim made under this Warranty, a proof of date of completion of installation.

3.2 This document (and any statutory consumer guarantees) represents the only Warranty given by Rinnai in respect of the Product. No other person or organisation is authorised to offer any alternative warranty on behalf of Rinnai.

3.3 If the date of completion of installation cannot be established to Rinnai's satisfaction, the date shall be deemed to be 2 months after the date of manufacture or date of sale by Rinnai, whichever is the latter.

3.4 This warranty applies to Products which are manufactured on or after the date of publication of this warranty but before the next date of publication of this warranty.

4 EXCLUSIONS

4.1 This Warranty **DOES NOT** cover:
- a) damage, problems or failure resulting from improper operation and/or inadequate maintenance by the Purchaser (refer Purchaser's Responsibilities section below);
- b) damage, problems or failure resulting from improper or faulty installation. The Product must be installed by a Qualified Installer in accordance with applicable regulations. Where applicable, Certificate(s) of Compliance must be obtained by the purchaser from the Qualified Installer and presented to the Authorised Service Representative;
- c) damage, problems or failure caused by factors external to the Product including, but not limited to, faulty or poor external electrical wiring, incorrect or faulty power supply, voltage fluctuations, over voltage transients or electromagnetic interference, inadequate or faulty gas, drainage services, or water services, including water pressure, and non-potable water;
- d) damage, problems or failure caused by acts of God, fire, wind, lightning, flood, storm, hail storm fallout, vandalism, earthquake, war, civil insurrection, misuse, abuse, negligence, accident, pests, animals, pets, vermin, insects, spiders/bugs or entry of foreign objects or matter into the Product such as dirt, debris, soot or moisture;
- e) damage, problems or failure caused by environmental conditions including, but not limited to, excessive moisture, salt or other corrosive substances or atmospheric conditions;
- f) Product which has been installed in a portable or mobile building, structure or application including, but not limited to, a caravan, boat or trailer;
- g) Product which has been re-installed at a location other than the original site;
- h) any consumable item supplied with the Product including, but not limited to, an air filter, battery, fan belt, igniter or cooler pad;
- i) installation of third-party components that may be attached to the Product. These include, but are not limited to, control wiring, ducting, return air filter(s) grille, register, diffuser, zone motors, controls/ thermostats, pipe work and fabricated or added components. These items remain solely the responsibility of the Qualified Installer;
- j) installations where electrics/electronics may be subjected to moisture/chemicals (e.g. swimming pools or nurseries);
- k) any repair, which is needed as a result of an accident, misuse, abuse or negligence;
- l) Product that is utilised in an environment (indoor and outdoor) outside its specified operating range; and
- m) fair wear and tear to the Product.
- n) On-site labour warranty on portable (non-fixed installation) Products – In respect of such Products the Purchaser must return the Product to the supplier for repair or replacement).

5 LIMITATIONS

5.1 Third parties are often involved in providing advice to consumers about the climate control solutions best suited to the consumer's needs. Any advice or recommendations given by such parties, including advice about Product fitness for purpose and overall system design, sizing and application are not the responsibility of Rinnai. This includes but is not limited to the heat load calculations, airflow and system balancing.

5.2 This Warranty does not apply to any Product installed at an Installation Site which is outside Australia.

5.3 Except where inconsistent with the purchaser's statutory rights and the rights given by this Warranty, all liabilities of Rinnai for any direct, special, indirect or consequential loss or damage, any damage or expense for personal injury or any loss or destruction of property, arising directly or indirectly from the use or inability to use the Product or any of its parts and/or servicing the Product, are expressly excluded.

6 TRAVEL, TRANSPORT & ACCESS COSTS

6.1 The Purchaser must pay freight charges, in-transit insurance expenses and travelling costs for repairs/replacements under this Warranty, that are required to be performed 50km from the nearest Rinnai branch or Authorised Service Representative.

6.2 Subject to clause 6.3, Rinnai will pay freight charges, in-transit insurance expenses and travelling costs for repairs/replacements that are required to be performed less than 50km from the nearest Rinnai branch or Authorised Service Representative, subject to the following:

a) Rinnai will arrange for such repairs/replacements and make any payment directly to the third party to provide the freight, in-transit insurance or travel services; or

b) if Rinnai considers appropriate, it will authorise the Purchaser in writing to pay for the relevant freight charges, in-transit insurance expenses or travelling costs and then, upon provision by the Purchaser to Rinnai of a tax invoice showing those costs have been incurred, reimburse the Purchaser for such costs which are within the terms of the authorisation. If the Purchaser pays for the relevant freight charges, in-transit insurance expenses or travelling costs without written authorisation from Rinnai, Rinnai will not reimburse the Purchaser for such costs.

6.3 The Purchaser must pay all costs and expenses in respect of:

a) any service call out fee if the Product is not accessible for service

b) making the Product accessible for service, for example, restricted access or working at heights, or the labour cost for an additional person due to OHS requirements.

c) providing a safe working environment for installation, service, maintenance or repair of the Product;

d) any surcharge applicable in respect of supplying replacement parts outside Normal Business Hours; and

e) any other costs and expenses in relation to claiming the Warranty that is not covered by clause 6.2.

7 PURCHASER'S RESPONSIBILITIES

7.1 The Purchaser must operate and maintain the Product in accordance with the Operating Instructions and service maintenance schedule, including conducting an appropriate number of services to the unit during the Warranty period, based on usage and the usage environment including but not limited to;

a) regularly cleaning the air filter(s) and replacing them where necessary;

b) replacing expired batteries or other consumables as required;

c) ensuring that the condensate drain is kept clean and clear of obstructions.

HOW TO MAKE A WARRANTY CLAIM:

If you wish to make a warranty claim in respect of any Portable Product, please return it to the place of purchase, or if that is not possible, contact Rinnai to enquire about alternative arrangements.

If you wish to make a warranty claim in respect of any fixed Product, please contact Rinnai on the details set out below to make arrangements for an Authorised Service Representative to inspect the product.

As per clause 2.6 of the Terms and Conditions of Warranty, purchasers are responsible for the costs of any repair and/or call out fee where, on inspection, the alleged defect is found by Rinnai's Authorised Service Representative not to be covered by this warranty or any statutory consumer guarantee applicable to the Product.

The Terms and Conditions of Warranty contain important information about your rights and obligations under this warranty. Please read them fully and carefully before making a claim.

NOTICE TO CONSUMERS UNDER AUSTRALIAN CONSUMER LAW

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Our services come with guarantees that cannot be excluded under the Australian Consumer Law. For a major failure with the service, you are entitled to cancel your service contract with us and obtain a refund for the unused portion, or to compensation for its reduced value. You are also entitled to be compensated for any other reasonably foreseeable loss or damage. If the failure does not amount to a major failure you are entitled to have problems with the service rectified in a reasonable time and, if this is not done, to cancel your contract and obtain a refund for the unused portion of the contract.

The benefits provided by this Warranty are in addition to any other rights and remedies available to a consumer under the Australian Consumer Law and any other law which may apply to the goods and or services.

NOTES

Rinnai Australia Pty Ltd

ABN 74 005 138 769 | AU45204

82-88 Mills Road, Braeside, Victoria, 3195
P.O. Box 460, Braeside, Victoria, 3195
Tel: (03) 9271 6625

Customer Support
Tel: 1300 555 545*
Monday to Friday, 8.00 am to 5.00 pm EST.

**Cost of a local call may be higher from a mobile phone. (National calls from public phones in Australia are free.)*

For further information visit **www.rinnai.com.au** or email **enquiry@rinnai.com.au**

Rinnai has a Service and Spare Parts network with personnel who are fully trained and equipped to give the best service on your Rinnai appliance. If your appliance requires service, please call Customer Support. Rinnai recommends that this appliance be serviced every 2 years.

With our policy of continuous improvement, we reserve the right to change, or discontinue at any time, specifications or designs without notice.