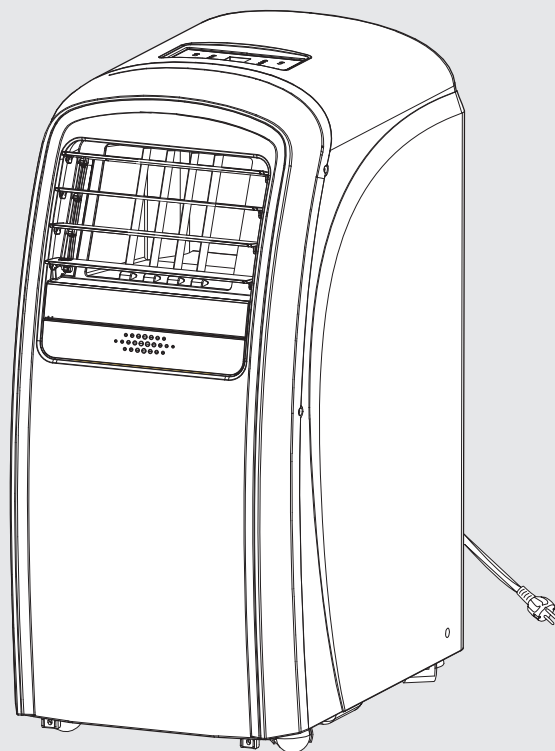


Models:
PC47C

REFRIGERANT
R32



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 Rinnai 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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Important Information

Important Topics Regarding the Proper Use of this Air Conditioner

Please contact your supplier for advice before returning unit

Use this air conditioner only as described in this instruction manual.

- This appliance is fitted with a special safety device. When the compressor switches off or when the appliance is first turned on, this device prevents the compressor from switching on again for at least three minutes.
- This air conditioner has been designed and manufactured to operate in a domestic situation only and should not be used for other purposes.
- The appliance is not intended for use by young children or infirm persons.
- Never use the air conditioner in damp rooms (eg bathrooms and laundries)
- If the power cord is damaged, it must be replaced with a new cord installed by a suitably qualified person.
- This air conditioner is designed to be connected to a standard IO amp power supply outlet.
- Do not pull on or place strain on the power cord when using the appliance.
- Do not operate or stop the appliance by inserting or pulling out the power plug. Use the on/off switch on the air conditioner control panel or the remote control.
- Due to potential safety hazards, do not use an extension cord or share the power supply outlet with other appliances. Do not connect to multiple power outlets on extension leads.
- Do not rest hot or heavy objects on the appliance.
- Always unplug the unit from the power outlet before cleaning or maintenance operations, for example filter cleaning.
- Do not place the air conditioner or plastic window slider in direct sunlight.
- For maximum cooling efficiency keep the exhaust hose as short and as free of bends as possible.
- Clean the filters at least once every two weeks.
- Do not splash the unit with water.
- Do not move the unit by pulling the exhaust hose attached to the back of the unit.
- Do not move air conditioner when it is operating.
- Do not use the unit with the air intake and outlet grills closed, covered or obstructed.
- Before transporting the air conditioner, drain the water pan in accordance with the instructions on page 16. After transportation, wait at least one hour before switching the unit on.
- The unit should be transported in a vertical position. If this is not possible, secure the unit at an angle, do not lay it horizontally.
- Do not operate the air conditioner outdoors or in areas open to the outdoors.
- If the air conditioner is only being used as a spot cooler (simply to put cool air directly on a person or thing), do not connect the rear exhaust outlet.
- If the compressor runs without cool air coming out of the top air outlet after 10 minutes of correct operation, switch off the unit and contact your supplier.
- When the compressor is running, hot air should always be expelled from the bottom rear outlet. If it is not, switch off and contact your supplier.
- At high temperatures to protect the unit from overheating the compressor may stop. Air will flow out of the front air outlet but it will not be cooled. In this event, switch off the appliance for approximately one hour to enable the thermal cut out to self reset. The unit may then be operated in the normal manner.

THIS PRODUCT IS FOR HOUSEHOLD USE ONLY

RETAIN THIS MANUAL FOR FUTURE REFERENCE

Safety Precautions

Read Safety Precautions Before Operation and Installation

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

To prevent death or injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause death, harm or damage.



WARNING

This symbol indicates the possibility of personal injury or loss of life.



CAUTION

This symbol indicates the possibility of property damage or serious consequences.



WARNING

- 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 earthed wall socket. If the wall socket 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 the proper earthed wall socket
- 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 proper 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. Improper power supply can cause fire or electrical shock.
- Do not install your air conditioner in a wet room such as a bathroom 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.

The unit has wheels to facilitate moving. Make sure not to use the wheels on thick carpet or to roll over objects, as these could cause tipping.

- Do not operate a unit that it has been dropped or damaged.
- The appliance with electric heater shall have at least 1 meter space to the combustible materials.
- Do not touch the unit 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 it occurs
- 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, such as: T 3.15A/250V, etc.
- 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.



CAUTION

- 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. Children must be supervised around the unit at all times.(be applicable for other countries except the European Countries)
- 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.
- Prior to cleaning or other maintenance, the appliance must be disconnected from the 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.
- 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.
- 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 cord by the head of the power plug when taking it out.
- Turn off the product when not in use.



WARNING for Using R32 Refrigerant

- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or 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.
- Compliance with national gas regulations 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.
- The appliance shall be stored in a room without continuously 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 (For R32Refrigerant only):



Caution: Risk of fire/
flammable materials

| | | |
|--|---------|---|
| | WARNING | This symbol shows that this appliance used a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire. |
| | CAUTION | This symbol shows that the operation manual should be read carefully. |
| | CAUTION | This symbol shows that a service personnel should be handling this equipment with reference to the installation manual. |
| | CAUTION | This symbol shows that information is available such as the operating manual or installation manual. |

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

The air conditioner can maintain set room indoor air temperatures between 18°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. This appliance operates at half the noise levels of most other portable air conditioners and is ideal for bedrooms.

This POLOCOOL portable refrigerated air conditioner model PC47C has a maximum cooling capacity of 4.7 kW.

This is sufficient to cool rooms with a floor area of between 20 and 42 square metres.

- 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.

Warnings and Important Information



This appliance uses R32 (difluoromethane) refrigerant, which is a flammable gas class 2.2 according to AS/NZS 1677 and must be handled by a refrigeration mechanic with appropriate Australian refrigerant handling licence.



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.



The appliance must be installed, used and stored in a ventilated area that is greater than 2m².



The appliance must be placed in an area without any continuous sources of ignition (for example: open flames, gas or electrical appliances in operation).

- This appliance contains 480g of R32 refrigerant gas.
- When cleaning the appliance, do not use any tools other than those recommended by the manufacturing company.
- Do not puncture and do not burn.
- Refrigerant gases can be odourless.
- If the appliance is installed, operated or stored in a non-ventilated area, the room must be designed to prevent the accumulation of refrigerant leaks resulting in a risk of fire or explosion due to ignition of the refrigerant caused by electric heaters, stoves, or other sources of ignition.
- The appliance must be stored in such a way as to prevent mechanical failure.
- Repairs must be performed based on the recommendations from the manufacturing company. Maintenance and repairs that require the assistance of other qualified personnel must be performed under the supervision of an individual specified in the use of flammable refrigerants.



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.

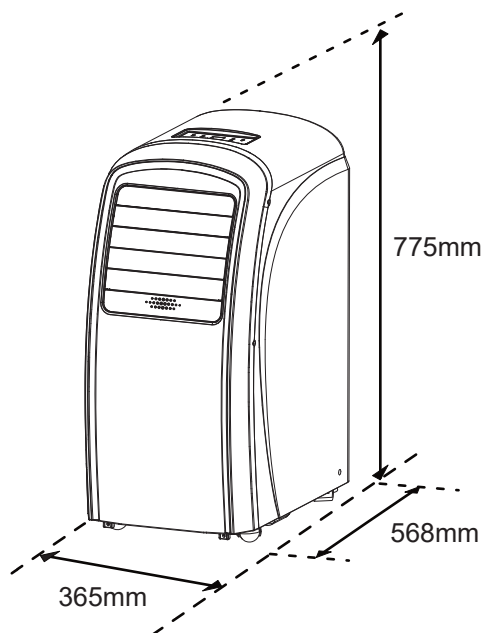


A NOTE ON ILLUSTRATIONS

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.

Specifications

| MODEL | | PC47C |
|------------------------------|-------|-----------------|
| Power Supply | V/Hz | 220-240V / 50 |
| Dimensions - Net (H x W x D) | mm | 775 x 568 x 365 |
| Weight | kg | 43 |
| Nominal Cooling Capacity | kW | 4.7 |
| Maximum Input Current | A | 9.8 |
| Maximum Input Power | kW | 1.98 |
| Refrigerant | Type | R32 |
| Refrigerant Volume | g | 480 |
| Sound Power Level | dB(A) | 65 |



Name of Each Part and Function

FRONT (Fig.1)

1. Control panel
2. Up/down manually adjusted air fins
3. Air outlet
4. Left/Right auto air swinging fins
5. Rolling castor
6. Cable (power cord and plug)

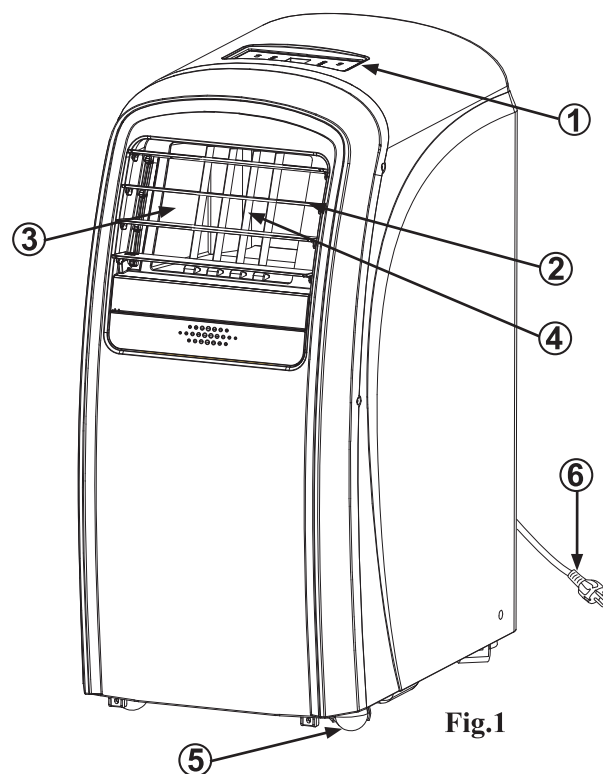


Fig.1

BACK (Fig.2)

1. Hot air outlet grill
2. Low air inlet grill
3. High air inlet grill
4. Power cord hooks
5. Water tank/chassis
6. Water tank drain outlet
7. Plug
8. Handle

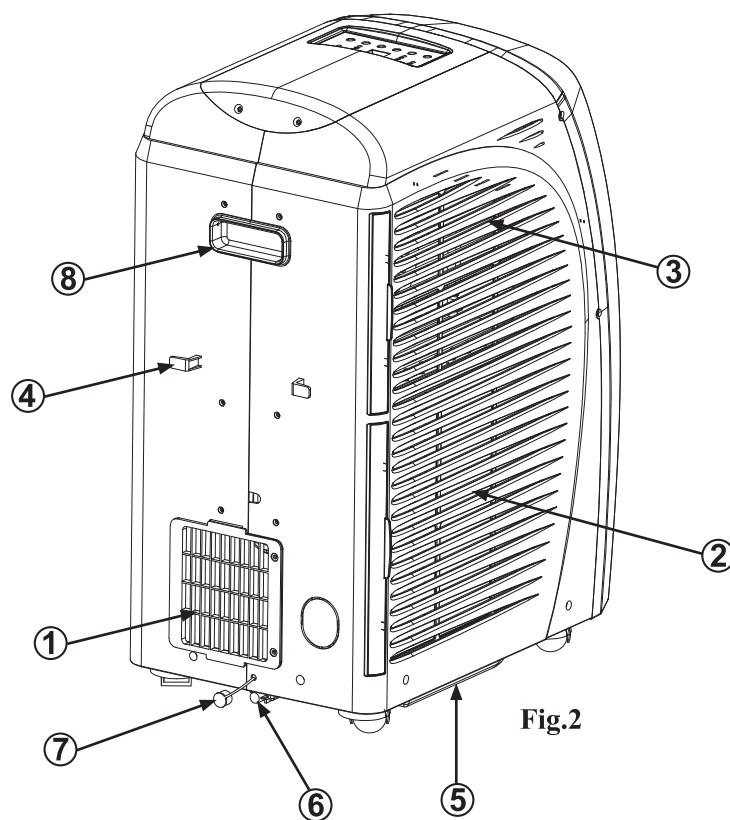
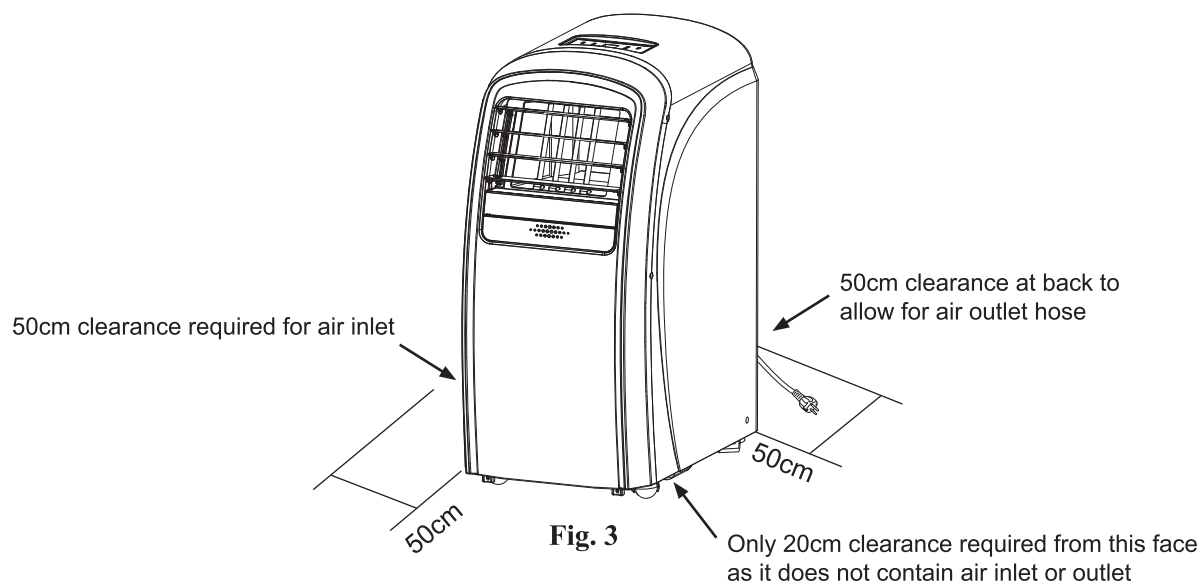


Fig.2

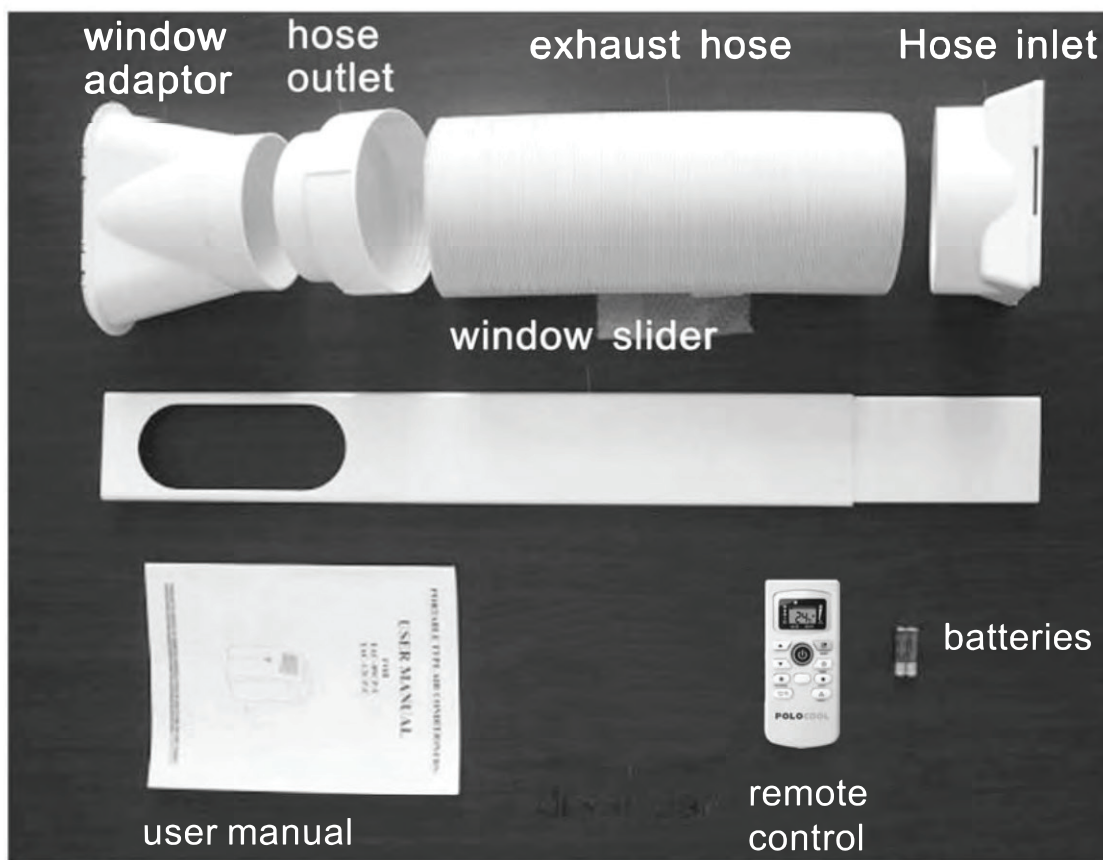
Installation

Selection of Installation Location

Place the portable air conditioner in a flat location where the air inlets and outlets cannot be covered up. Place the unit no less than 50cm away from a wall or other obstacle.



Installation Accessories



ASSEMBLY OF EXHAUST HOSE, HOSE INLET, HOSE OUTLET, WINDOW ADAPTOR AND WINDOW SLIDER (Fig.4)

- Fully extend each end of the exhaust hose by about 10cm and attach the hose inlet and hose outlet to opposite ends by rotating the inlet/outlet in a counter clockwise direction approximately 3 to 4 turns, making sure that the hose wire is well threaded into the hose inlet and outlet. The hose inlet and outlet cannot be installed unless the hose ends have been fully extended.
- Attach the window adaptor to the hose outlet by pressure fit.
- Clip the window adaptor into the window slider. Take care to not break the tabs on the window adaptor when disconnecting from the window slider.

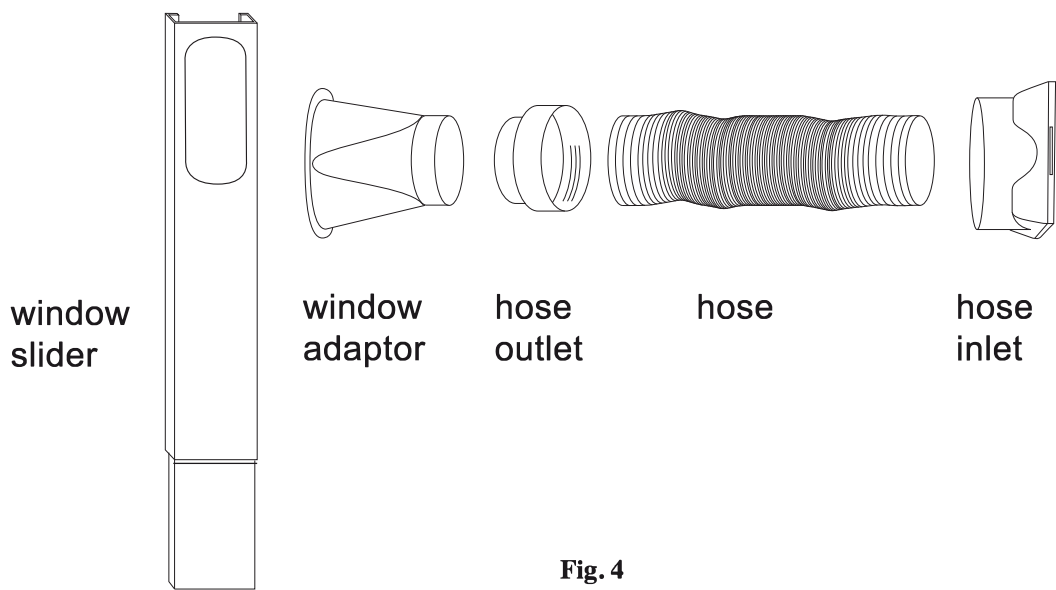


Fig. 4

MOUNTING OF ASSEMBLED AIR EXHAUST HOSE (Fig.5)

- Take care not to damage the hose inlet when attaching/detaching at the back of the Air Conditioner.
- Slide the hose inlet (square end) in the direction indicated by the arrow onto the fixing lugs on hot air outlet grill at the back of the appliance. Install carefully and do not force.
- Place the hose outlet to the nearest window. The length of the air exhaust hose is between 600mm to 1500mm; use the minimum length when working.
- When mounting, try to keep the air exhaust hose horizontal and do not extend its length by attaching it to another hose as this reduces the cooling efficiency of the appliance. If hose needs to be extended, use as few bends as possible.
- Consider elevating the unit in order to keep the hose as straight as possible.

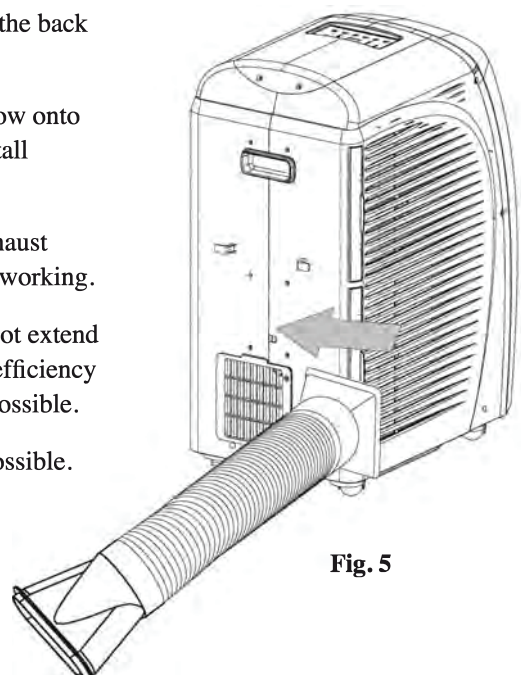
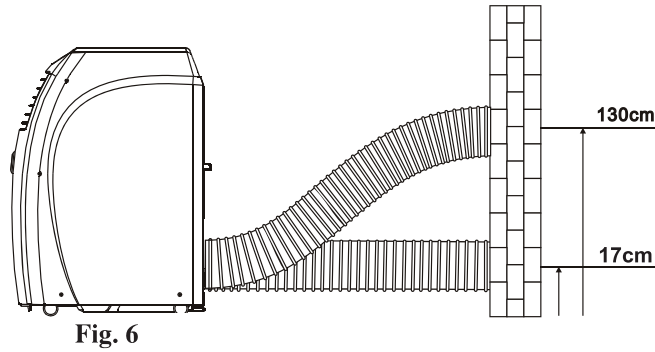


Fig. 5

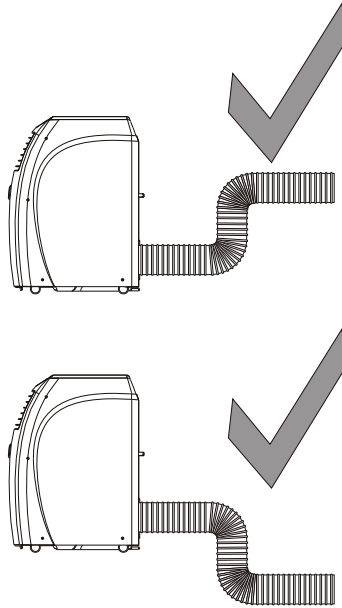
ATTENTION

- The exhaust hose should be not longer than 1.5metres.
- Never bend the exhaust hose excessively when the appliance is working.
- Elevate the unit if possible to keep the exhaust hose straight.
- Always keep the exhaust hose at its shortest length and as straight as possible when the appliance is working. This will ensure maximum cooling output.
- Never move the appliance by pulling the air exhaust hose attached to the back of the appliance.
- Do not move the air conditioner when it is operating.

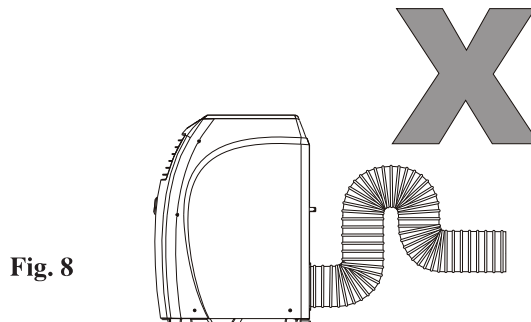
Correct exhaust hose mounting shown below. If mounting in the wall, the height of the hole should be 17cm~130cm. (Fig. 6)



If the air exhaust hose needs to be bent, the correct method is shown below. (Fig. 7)



Incorrect or excessive bending of the exhaust hose will cause loss of cooling and possible malfunction. (Fig. 8)

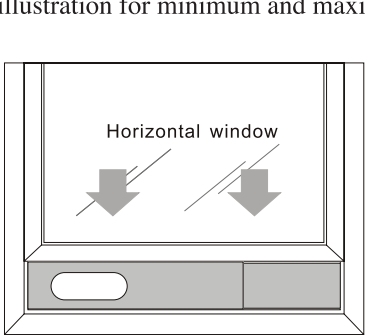


WINDOW SLIDER KIT INSTALLATION (Fig. 9, Fig. 10, Fig. 11 and Fig 12)

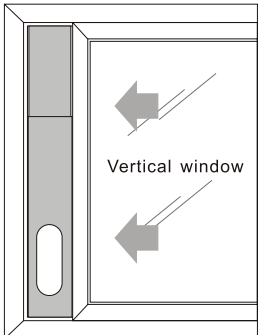
The window slider kit has been designed to fit most standard “vertical” and “horizontal” window applications. **It may be necessary for you to improvise/modify some aspects of the installation procedures for certain types of windows. Some window types may require the use of cardboard fillers and/or duct tape to install.**

Additional complete window kits may be purchased from POLO to enable pre-installation in windows in other rooms.

Please refer to illustration for minimum and maximum window openings.



Window slider length
Min. 85cm
Max. 123cm



Window slider length
Min. 85cm
Max. 123cm

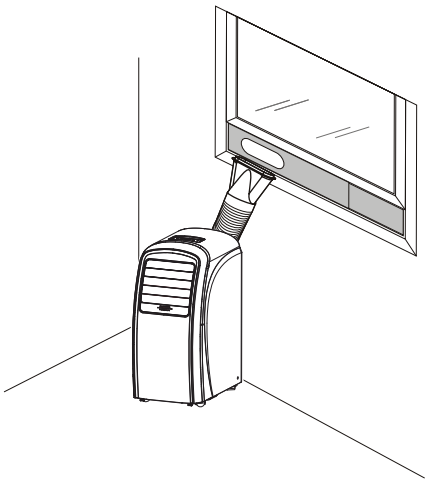


Fig. 9

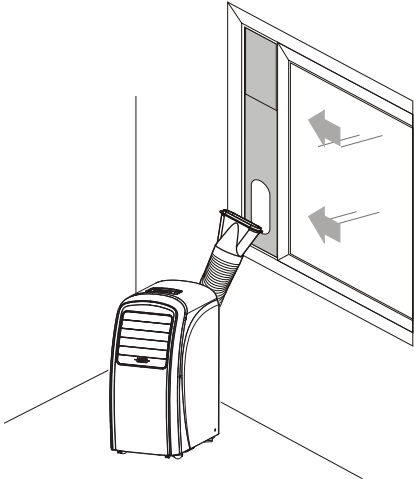
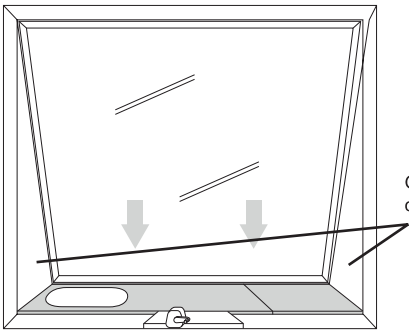


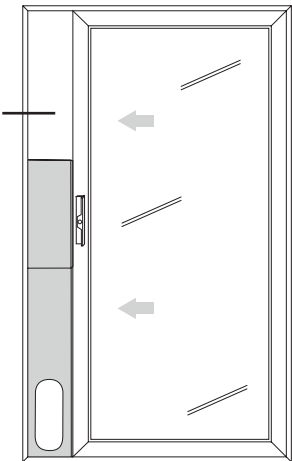
Fig. 10



Window slider length
Min. 85cm
Max. 123cm

Fig. 11

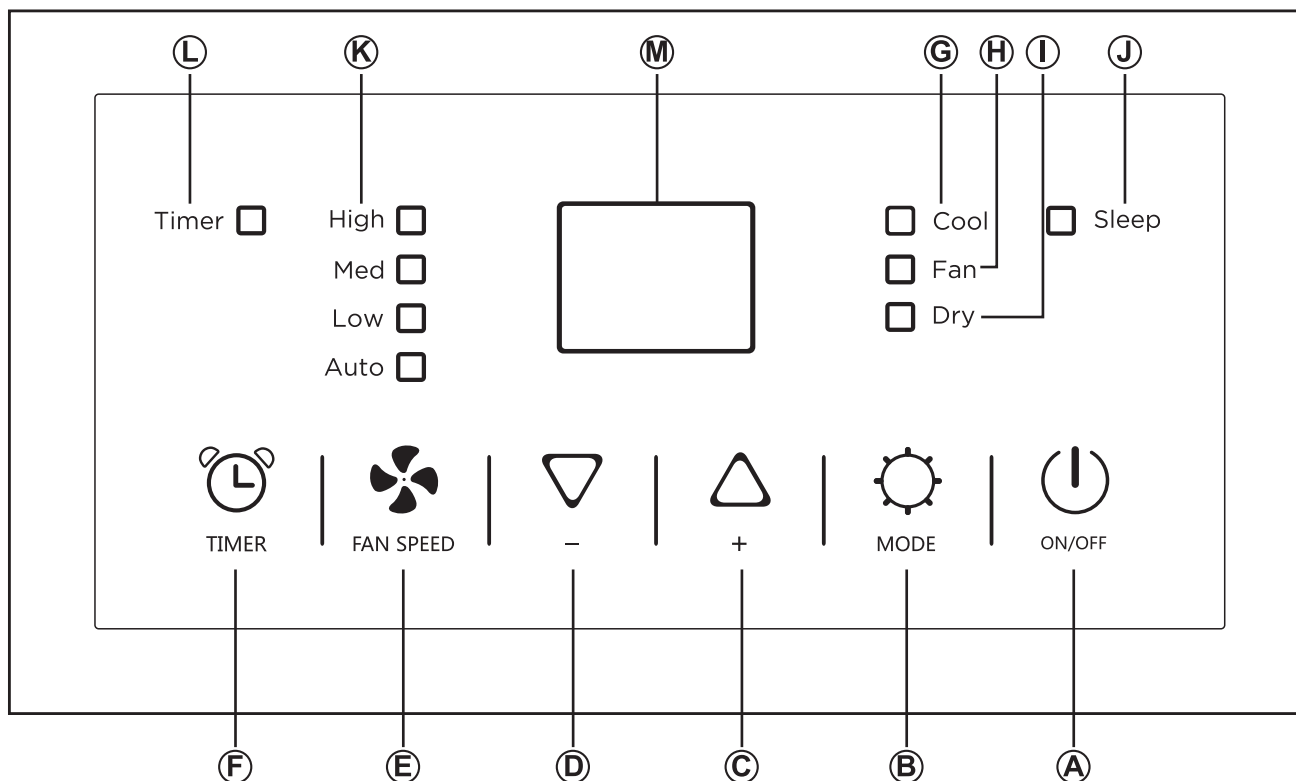
Standard door height 210cm.
Gap can be sealed using
cardboard and duct tape.
Additional window sliders
can also be purchased to fill
this gap.



Window (Door) slider height
Max. 123cm

Fig. 12

Control Panel



- A. ON/OFF button
- B. MODE button, to select modes of cooling/dry/fan
- C. INCREASE button, to increase temperature/ time
- D. DECREASE button, to decrease temperature/ time
- E. FAN SPEED button, to select fan speed of High/Med/Low/Auto
- F. TIMER button
- G. COOLING MODE LIGHT, illuminated when in COOLING
- H. FAN MODE LIGHT, illuminated when in FAN mode
- I. DRY MODE LIGHT, illuminated when in DRY mode
- J. SLEEP LIGHT, illuminated when in SLEEP mode
- K. FAN SPEED LIGHTS of High/ Med/ Low/ Auto
- L. TIMER INDICATOR LIGHT, lights up and keeps flashing to indicate the timer is in operation
- M. LCD DISPLAY, displays set temperature or timer hours

Operation of Control Panel

The operating temperature ranges for cooling and dehumidifying are 18°C - 32°C. A temperature within this range may be set, but the room may not necessarily reach this set temperature.

If the appliance is turned off during cooling or dry operation and turned on again immediately, the unit will wait at least 3 minutes before restarting the compressor.

POWER SUPPLY

- Do not connect the portable air conditioner to a power supply outlet which is also being used for other electrical appliances.
- Insert the power plug securely into the power supply outlet and turn power on. The air conditioner will beep after 2 seconds. Press the on/off button on the display panel (or remote) to start air conditioner.



Only one mode of operation is available at any one time. Eg. Cool Mode, Dry Mode or Fan Mode only.

Modes of Operation

COOLING MODE

- Please note that this air conditioner will not cool if the room temperature is less than 18 degrees Celsius. The compressor will not switch on.
- Press **ON/OFF** button to turn the appliance on.
- Press **MODE** button to select **COOLING** mode.
- Set the temperature with **INCREASE/DECREASE** buttons.
- To select fan speed, press **FAN SPEED** button repeatedly until the required speed is selected (High/Med/Low/Auto). Auto fan speed adjusts the fan speed automatically between **HIGH**, **MEDIUM** and **LOW** settings according to the variance between set temperature and room temperature.
- The set temperature will remain displayed in the control panel.

NB: In **COOLING** mode, the appliance automatically removes excess moisture from the atmosphere.

NB: In **COOLING** mode, the exhaust hose must be connected to allow warm air to be expelled from the room being cooled.

DRY (DEHUMIDIFYING) MODE

- Please note that this mode will not operate if the room temperature is less than 18 degrees Celsius. The compressor will not switch on.
- Keep the windows and doors closed for an effective dehumidification.
- When used as dehumidifier only, keep the air exhaust hose **disconnected** from the back of the unit.
- Press **ON/OFF** button to turn the appliance on.
- Press **MODE** button to select DRY mode, the fan speed will always be at Auto and can not be adjusted in DRY mode.
- Water tank will require emptying.

FAN MODE

- Press **ON/OFF** button to turn the appliance on.
- Press **MODE** button to select FAN mode.
- To select fan speed, press **FAN SPEED** button repeatedly until the required speed is selected (**HIGH**, **MED**, **LOW**). The fan speed AUTO can not be selected in FAN mode.

NB: In **FAN** mode, the exhaust hose does not need to be connected.

Setting the Timer

This timer can be used to delay the appliance start up or shutdown. This avoids wasting electricity by optimising operating periods.

PROGRAMMED START-UP

- Turn on the appliance, choose the mode you want, for example cool, 24°C, high fan speed. Turn off the appliance.
- Press the Timer button, the **TIMER** symbol and number of hours flash.
- Press the **TIMER** button to set the number of hours delay before the appliance comes on. The timer can set in intervals of 1 hour up to 24 hours.
- A few seconds after set, the setting is memorised, the timer indicator is lit and the display shows that the appliance is in standby.
- Press again the Timer button **TIMER** or the **ON/OFF** button, the timer will be cancelled, and the **TIMER** symbol will disappear from screen.

PROGRAMMED SHUTDOWN

- When the appliance is running, press the **TIMER** button, the Timer indicator and the hours flash.
- Press the **TIMER** button to set the number of hours delay before the appliance comes on. The timer can set in intervals of 1 hour up to 24 hours.
- A few seconds after set, the setting is memorised, the timer indicator is lit and the display shows the current mode. At the end of the set time the unit automatically turns to standby mode.
- Press again the Timer button **TIMER** or the **ON/OFF** button, the timer will be cancelled, and the **TIMER** symbol will disappear from screen.

Operation of Remote Control

The Remote Control

INSERTING THE BATTERIES

- Slide and remove the protective cover (see Fig 13).
- Insert two new batteries (not rechargeable) and make sure the (+) and (-) are in the correct position.
- Replace the cover.

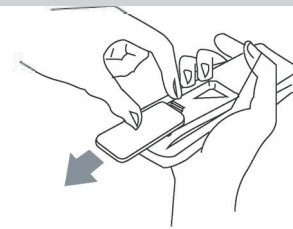


Fig. 13

If the remote control is not used for long periods, remove the batteries.

Correct Use

- Point the remote control towards the front of the air conditioner. (see Fig 14)
- Maximum distance: approximately 7 metres (without any obstacles between the remote control and the receiver).
- Do not drop remote control, expose it to direct sunlight or leave it near sources of heat.

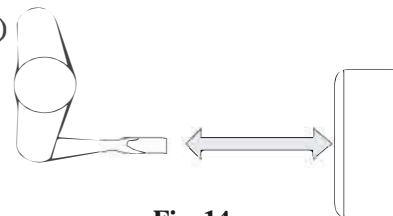


Fig. 14

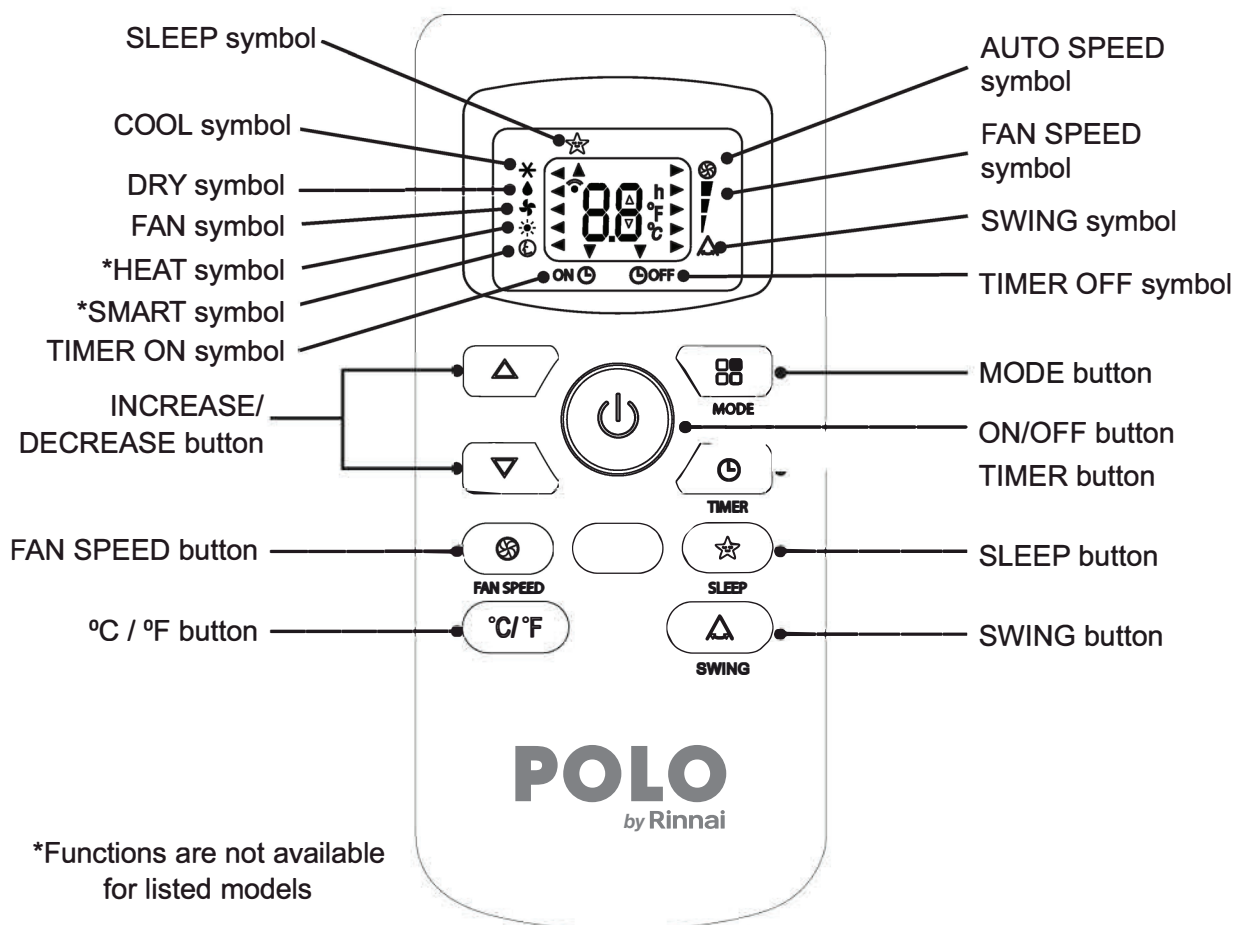








Fig. 15




COOLING MODE (Fig. 16)

- Press the "ON/OFF" button  to turn the appliance on.
- Press the "MODE" button  to select COOL .
- Set the temperature using the temperature adjustment buttons  .
- To select fan speed, press the "FAN" button  repeatedly until the required speed is selected (HIGH, MED, LOW, AUTO).





NB: In **COOLING** mode, the appliance automatically removes excess moisture from the atmosphere.

NB: In **COOLING** mode, the exhaust hose must be connected to allow warm air to be expelled from the room being cooled.

DRY (DEHUMIDIFYING) MODE (Fig. 17)

- When used as dehumidifier only, keep the air exhaust hose **disconnected**.
- Press the "ON/OFF" button  to turn the appliance on.
- Press the "MODE"  button to select DRY , the fan speed will always be at **AUTO** and cannot be adjusted in **DRY** mode.

FAN MODE (Fig. 18)






- Press the "ON/OFF" button  to turn the appliance on.
- Press the "MODE" button  to select FAN SPEED .
- To select fan speed, press the "FAN" button  repeatedly until the required speed is selected (**HIGH**, **MED**, **LOW**). Fan speed **AUTO** can not be selected.

NB: In **FAN** mode, the exhaust hose does not need to be connected.






SETTING THE TIMER (Fig. 19)

This timer can be used to delay the appliance start up or shutdown.
This avoids wasting electricity by optimising operating periods.

PROGRAMMED SHUTDOWN

- With the appliance on, press the "TIMER" button , the time and the "h" symbol are displayed.
- Set the time remaining until shutdown with the " " buttons (from 30 minutes to 24 hours).
- During the first ten hours you can select half hour intervals. For times longer than ten hours, one hour intervals can be selected
- Press the "TIMER" button  again to confirm the timer setting, the TIMER INDICATOR LIGHT lights up and keeps flashing to indicate the timer is activated.
- At the end of the set time the appliance switches off automatically.
- To cancel the TIMER setting, press the "TIMER" button  again.

PROGRAMMED STARTUP

- Turn on the appliance and select the required mode, for example Cooling mode, 25°C, fan speed HIGH.
- Press ON/OFF button to switch into STANDBY.
- Press the "TIMER" button  twice, the time and the "h" symbol are displayed.
- Set the time remaining until startup with the " " buttons (from 30 minutes to 24 hours).
- During the first ten hours you can select half hour intervals. For times longer than ten hours one hour intervals can be selected.
- Press the "TIMER"  again to confirm the timer setting, the TIMER INDICATOR LIGHT lights up and keeps flashing to indicate the timer is activated.
- At the end of the set time the appliance switches on automatically and operates in the selected mode, for example Cooling mode, 25°C, fan speed HIGH.
- To cancel the TIMER setting, press the "TIMER" button  again.

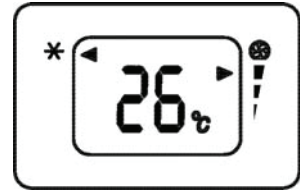


Fig. 16

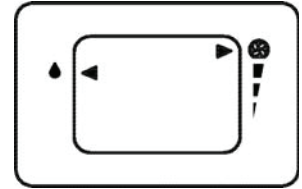


Fig. 17

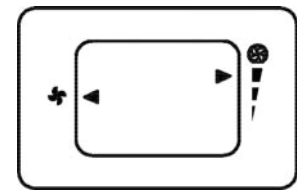


Fig. 18

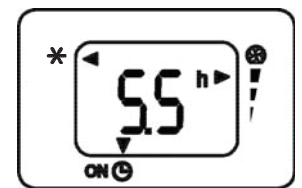



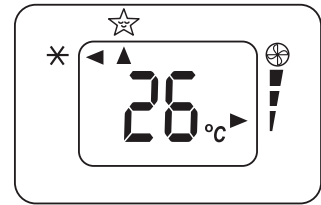




Fig. 19

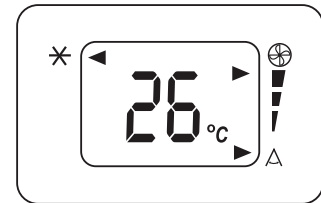
SLEEP FUNCTION

- Press the 'MODE' button to select the cool mode .
- Press the 'SLEEP' button, and the  symbol shows under  symbol.
- This mode adjusts fan speed and temperature automatically.
- Press the 'SLEEP' button again will cancel sleep model.




SWING FUNCTION

- Press the 'SWING' button to active louver movement.
The  symbol shows next  symbol.
- The louver will swing left and right.
- Press the Swing button again to stop the louver movement.



Note: Up and down louver can only be adjusted manually.

SWITCH THE UNIT OF TEMPERATURE

- When the appliance is running, press the  button on the remote control, (or with the **INCREASE** and **DECREASE** buttons on the control panel selected together for 3 seconds at the same time), then you can change the unit of temperature.

For example:

Before change, in cool mode, the screen display (Fig 1).

After change, in cool mode, the screen display (Fig 2).



Fig.1



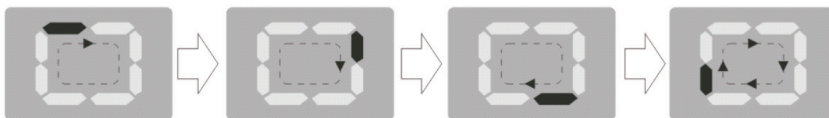
Fig.2

SMART MODE

The appliance automatically chooses whether to operate in cool, fan or heat (certain models only) mode.

To set this mode correctly:

- Press the "" remote control button or "" control panel button a number of times until the screen shows as below:



It is in AUTO mode when the display is running in circular motion.

- Select the required fan speed by pressing the **FAN** button.
- Four speeds are available: High / Medium / Low / Auto.
- If the appliance is a cooling only model, the unit operates in Fan mode when the room temperature is below 23° C (73° F), and Cool mode when the room temperature is above 23° C (73° F).
- If the appliance is cooling and heating model, the unit operates in Heat mode when the room temperature is below 20° C (68° F), and Fan mode when the room temperature is from 20° C (68° F) to 23° C (73° F), and Cool mode when the room temperature is above 23° C (73° F).

Water Drainage Method

Water Drainage

This air conditioner is equipped with the very latest MIST technology which means that the water tank does not have to be emptied. This has been verified by independent testing conducted both in Australia and overseas under extremely humid conditions. Water drainage will generally only be required at the end of the season (see End of Season Operations - page 17).

However, the mist technology does not operate when the unit is in dehumidifying (dry mode). Thus, the tank may require emptying on occasions when operating for long periods in this mode.

As a safety measure, to positively prevent water spillage in dehumidifying mode when the mist motor is not operating, the air conditioner is equipped with a fail safe device if the water tank fills. The unit will completely stop including both fan and compressor. The control panel LED displays “Ft” as mentioned in the Section on “Self – Diagnosis” – Page 19. The compressor and fan will not restart until the tank has been drained.

Before draining the water tank (pan) take care not to move the air conditioner as water may spill onto the floor.

Turn the air conditioner off using the on/off switch on the unit or remote control. Then drain the water tank by unplugging the drain outlet and allowing the water to flow onto the drain pan. The drain pan will not hold the full contents of the water tank. A number of fills of the drain pan are required. It may be easier (after 3 or 4 pans have been drained in order to avoid accidental spillage when shifting the air conditioner) to wheel the unit outside, remove the drain plug and drain the water onto the ground.

The water tank is considered sufficiently drained when no more water flows from the drain outlet.

Restart the air conditioner by pressing the on/off button. Ensure that the unit is in COOL or DRY mode. The compressor will start approximately 3 minutes after the unit is switched on.

NOTE: To completely drain all water from the water tank, tilt the unit by lifting it slightly upwards from the front until no more water drains from the outlet.

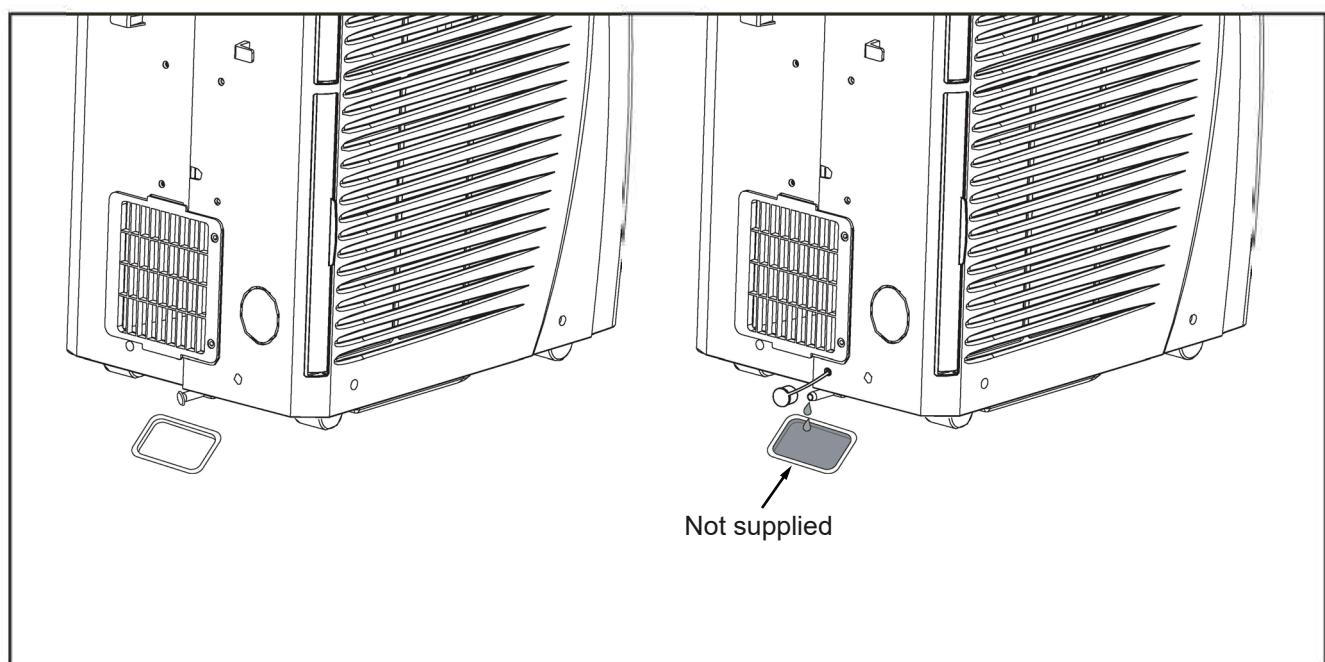


Fig. 20

Maintenance and Service

Maintenance Methods

- Before undertaking cleaning or maintenance, turn the appliance off by pressing the ON/OFF button, then always unplug the appliance from the power supply outlet.
- Do not use chemical solvent to clean the surface of the unit. Never spray insecticides or similar in the vicinity of the unit.
- Clean the surface of the unit with a damp cloth, then dry with a duster or similar.

Cleaning the Air Filter

Clean the dust filter once every two weeks of operation. This will keep the air conditioner working efficiently.

- Slide out the air filter from the side as shown in Fig.21.
- Wash the air filter by immersing it gently into warm (about 40°C or 104°F) water with a dishwashing detergent.
- Rinse the filter of detergent and dry it thoroughly in a shaded place.
- Insert the filters back into their original positions.

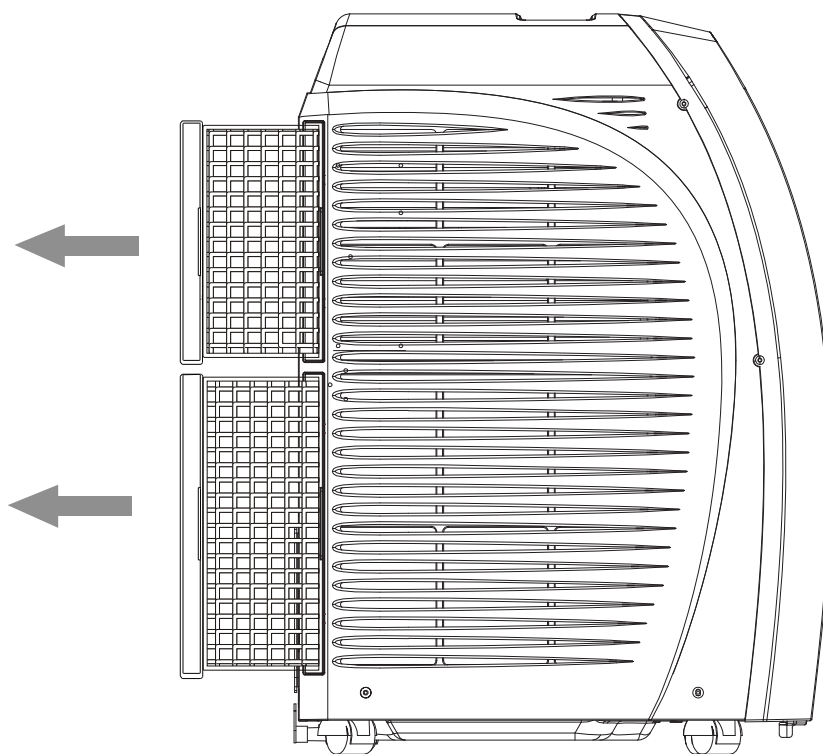


Fig. 21

End of Season Operations

- Switch off the unit and disconnect the plug from the power supply outlet.
- Remove the plug from the drain outlet to drain the water onto the drain pan and dispose of the water. Tilt the unit by lifting it at the front to ensure all water is removed from the water tank. Then operate the unit in fan mode for half a day until the pipe is dry.
- Wind the cable around the cable hooks on the back of the appliance.
- Wrap the appliance with the plastic bag and keep it in a dry place.

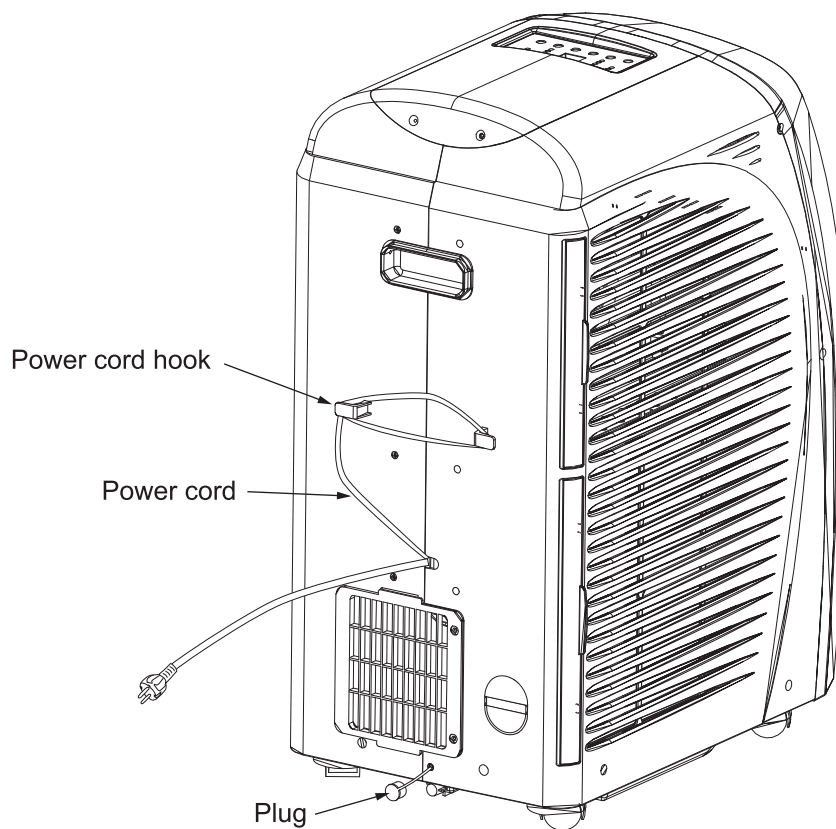


Fig. 22

Trouble Shooting

Before seeking repair or service, please check the following.

| PROBLEM | CHECK | ACTION |
|--|--|---|
| No power to Air Conditioner | <ul style="list-style-type: none"> Is A/C plugged into power supply outlet? Has fuse blown (circuit breaker switched off) or A/C switched off? | <ul style="list-style-type: none"> Insert power plug securely into power supply outlet and turn power on Turn A/C off, replace fuse wire (or turn on circuit breaker), turn A/C back on |
| Power to Air Conditioner, but unit does not operate. | <ul style="list-style-type: none"> Is timer on? | <ul style="list-style-type: none"> Wait for timer to count down or cancel timer setting by pressing TIMER button |
| Air Conditioner does not cool after turning on. | <ul style="list-style-type: none"> Is compressor light illuminated? | <ul style="list-style-type: none"> Wait 3 minutes from turning on, safety device prevents compressor (which provides cooling) being turned on for about 3 minutes. |
| The compressor and fan has stopped. | <ul style="list-style-type: none"> Is "Ft" displayed on LCD? | <ul style="list-style-type: none"> Drain water |
| Air Conditioner not cooling satisfactorily. | <ul style="list-style-type: none"> Cooling power not enough for the conditions of area or room? Air exhaust hose blocked? Air exhaust hose bent over? Standard air exhaust hose has been extended longer than 1.5m? Air exhaust hose detached? Window/door opened? Air inlet/outlet blocked? Air filters dirty? Fan speed set at low? Has the temperature been set low enough? | <ul style="list-style-type: none"> Ensure A/C is suitable for conditions of area and room Clear blockage Always keep the hose at its shortest length and as straight as possible Remove extension, always keep standard hose length less than 1.5 metres Connect the hose Close the windows/doors to room being cooled Clear blockage Clean air filter Set suitable higher speed Reduce Temperature setting |
| Air Conditioner vibrates. | <ul style="list-style-type: none"> Is it leaning or unbalanced? | <ul style="list-style-type: none"> Place on level floor |
| Lt/PF/Ft appears on the display. | <ul style="list-style-type: none"> See self-diagnosis section | |

Note: Compressor has over-current protection. When this happens, fan speed will be changed to low.

Self Diagnosis

The Appliance has a self diagnosis system to identify a number of malfunctions. Follow the proposed action when the code is displayed.

| | | |
|-----------|---------------------------------------|--|
| PF | (PROBE FAILURE) Sensor damaged | If this is displayed, contact Rinnai on 1300 555 545. |
| Ft | (FULL TANK) The water tank is full | Empty the internal tank, see the section on “Water Drainage Method. This is a fail safe display due to protect against spilling water, when the air conditioner is used in dry mode and the mist motor is not operating. |

Warranty

Terms of Warranty - Australia

Rinnai Australia Pty. Ltd. ABN 74 005 138 769, 100 Atlantic Drive, Keysborough VIC 3173.

NOTICE TO CONSUMERS UNDER AUSTRALIAN CONSUMER LAW

Our goods and services come with guarantees that cannot be excluded under the Australian Consumer Law.

For a major failure with a good, you are entitled to a replacement or refund and compensation for any other reasonable foreseeable loss or damage. If the failure does not amount to a major failure and if the goods fail to be of acceptable quality, you are also entitled to have the goods repaired or replaced.

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.

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, effective from the date of purchase by the Purchaser, the Product is warranted to be free from defects in materials & factory workmanship for the period set out in 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 Airconditioning Products | 5 Years | 5 Years |
| | Ducted Gas Heaters - Heat Exchangers and Burners Evaporative Coolers - Structural components only | 10 Years | N/A |
| | Portable Air conditioning | 2 Years | N/A |
| | Wi-Fi Devices | 1 Year | 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. | | |

- 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:
- costs for tradespeople engaged by you that are not Rinnai Authorised Service Representatives.
 - 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" on page 30;
 - 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 Purchase.
- 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 purchase cannot be established to Rinnai's satisfaction, the date shall be deemed to be 2 months after the date of manufacture or the 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.

NOTES

Rinnai Australia Pty Ltd

ABN 74 005 138 769 | AU45204

100 Atlantic Drive, Keysborough, Victoria 3173
P.O. Box 460, Braeside, Victoria 3195
Tel: (03) 9271 6625
Fax: (03) 9271 6622

National Help Line

Tel: 1300 555 545* Fax: 1300 555 655
Monday to Friday, 8.00 am to 5.00 pm EST.

**Cost of a local call higher from mobile or public phones.*

www.mypolo.com.au

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 our National Help Line. 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.