

ARLEC

SMART REVERSE CYCLE PORTABLE AIR CONDITIONER



GRID CONNECT

SMART HOME



INSTRUCTION MANUAL

IMPORTANT! PLEASE READ THESE INSTRUCTIONS CAREFULLY.

DUE TO CONTINUOUS RESEARCH AND DEVELOPMENT THE SPECIFICATIONS HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Control from anywhere



DOWNLOAD



PAIR



USE



Wi-Fi



switch



fan speed



schedule timer



heating/cooling mode



no hub required

Voice control with:



works with the Google Assistant



works with amazon alexa

Download from:



290m³/min (max)
POWERFUL AIR MOVEMENT

COOLING & HEATING
REVERSABLE FUNCTION

3 SPEED SETTINGS
2 DIRECTION AIR FLOW

QUICK ASSEMBLY
WINDOW KIT INCLUDED

PA1203HA

Thank you for choosing one of our products. Listed below are precautions which are essential when using this appliance. Please take a few minutes to read these instructions. Keep these instructions handy for future reference.

IMPORTANT SAFEGUARDS

READ all these instructions carefully and store in a safe place for future reference;

- 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.
- **DO NOT** use this unit for functions other than those described in this instruction manual.
- **DO NOT** tilt the unit. Always keep the unit in upright position and on a flat/ stable surface.
- **DO NOT** connect the unit, unless it completely assembled.
- **DO NOT** use the unit in a wet room, such as a bathroom or laundry.
- **DO NOT** touch the unit with wet hands or bare feet.
- **DO NOT** use the unit in the presence of inflammable substances or vapour such as alcohol, insecticides, petrol, etc.
- **DO NOT** use the mains plug to start and stop the unit.
- **DO NOT** pull the supply cord or place it near a heat source. Always unwind the cord completely to avoid overheating.
- **DO NOT** conduct repairs on this unit. It has been built in accordance with relevant safety and performance standards. An electrical specialist must carry out all repairs.
- **DO NOT** use the unit for any purpose other than its intended use.
- **DO NOT** use the unit with external timer or remote-control system which can automatically turn the unit ON
- **DO NOT** run the cord of the unit under carpeting. Do not cover the cord with throw rugs, runner or another floor covering. Arrange the cord away from traffic areas so that it will not be tripped over.
- **DO NOT** attempt to move your unit whilst it is operating. If your unit needs to be moved, please ensure that it is turned off and you use carry handle on top of the unit.
- **DO NOT** use outdoors. This unit is intended for indoor household use only.
- **DO NOT** leave the unit unattended.
- **ALWAYS** unplug the unit from the mains before maintenance or cleaning.
- **ALWAYS** Ensure that the unit is switched off from the supply mains before removing the guard.

- **ALWAYS** use the switch on the control panel to start and stop the unit.
- **ALWAYS** keep a clearance of at least 200mm from walls furniture and curtains.
- **ALWAYS** turn off and unplug the unit when not in use.
- Packaging material may contain plastics, etc. which may be hazardous and should not be left within the reach of children. Ensure that no packaging residues remain on the fan.

WARNING

- Young children should be supervised to ensure that they do not tamper with the unit.
- 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 are supervised or have been given instruction concerning the use of the heater by a person responsible for their safety.
- Improper installation may result in the risk of fire, electric shock and/or injury to persons.
- Never insert your fingers or any other objects (hair, clothes, utensils, knives, screw drivers, etc.) into the openings of the guard or close to the blade when the appliance is connected to the power supply.
- To reduce the risk of electric shock do not open this device, there are not serviceable parts for customers. Please refer any maintenance or repair to qualified personnel.
- The installation of a residual current device (safety switch) is recommended to provide additional safety protection when using electrical appliances. It is advisable that a safety switch with a rated residual operating current not exceeding 30mA be installed in the electrical circuit supplying the appliance.

ELECTRICAL CONNECTIONS

Before you plug the appliance into the mains socket, check the following:

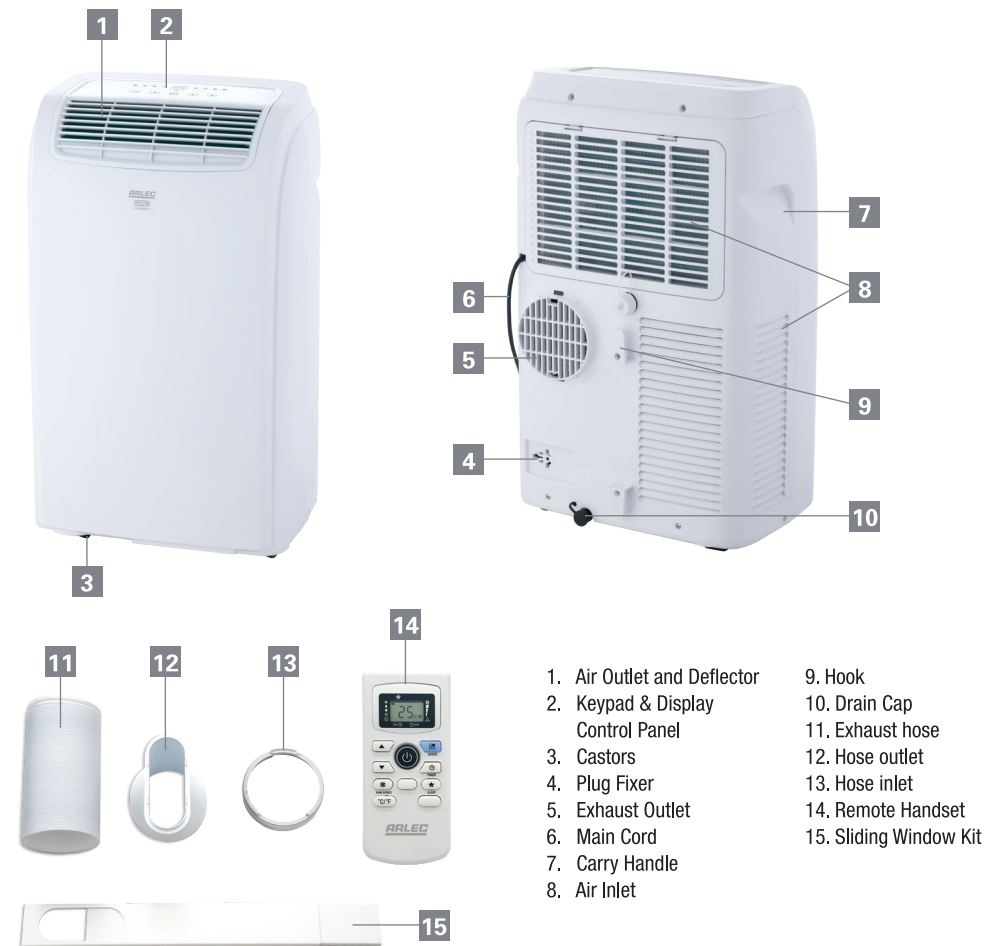
- The appliance shall be installed in accordance with national wiring regulations.
- Power rating of the mains wall socket is adequate for the appliance, check the value indicated on the product rating label placed on back of the unit.
- Mains wall socket is properly earthed.

PLEASE NOTE: Failure to follow these important safety instructions absolves the manufacturer of all liability.

ENERGY SAVING TIPS

- Use the unit in the recommended room size of up to 22m² (assuming standard 2.4m ceiling height).
- Do not locate the air conditioner where furniture or other objects can obstruct the air flow.
- Keep blinds/curtains closed during the sunniest part of the day.
- Close the fireplace damper, floor and/ or wall registers, so cool air does not escape through the chimney or duct work.
- Keep the air filter clean. Under normal conditions, the filters should be cleaned approximately every 30 days. Since the filters remove airborne particles, more frequent cleaning maybe necessary, depending on the indoor air quality.
- Set the unit to maximum cooling and high speed ventilation for the initial startup, then adjust the unit down to a more comfortable setting as required.

PARTS IDENTIFICATION



- | | |
|-----------------------------------|------------------------|
| 1. Air Outlet and Deflector | 9. Hook |
| 2. Keypad & Display Control Panel | 10. Drain Cap |
| 3. Castors | 11. Exhaust hose |
| 4. Plug Fixer | 12. Hose outlet |
| 5. Exhaust Outlet | 13. Hose inlet |
| 6. Main Cord | 14. Remote Handset |
| 7. Carry Handle | 15. Sliding Window Kit |
| 8. Air Inlet | |

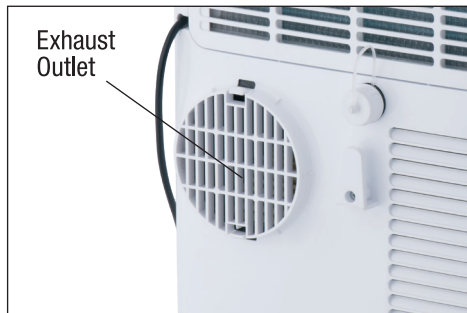
INSTALLATION

Please Note: Selection of Installation Place.

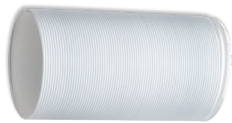
- Install the unit on a flat and dry place.
- Leave at least 500mm space around the Unit (when the hose is not connected).



Step 1: Place the hose inlet over the exhaust outlet by sliding it inwards as shown in the image.

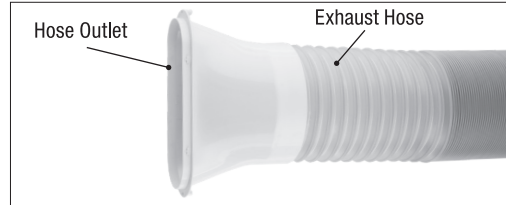


Step 2: This air conditioner is required to have the exhaust hose fitted over the Hose Inlet. Pull few threads of the Exhaust Hose. Fix the Exhaust Hose to the moulded threads on Hose Inlet by turning it in a counter-clockwise direction. The Exhaust Hose can be extended from 310mm to 1400mm long (approx.), however it is recommended to use the shortest possible length.



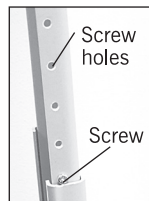
Please Note: Pull one end of the exhaust hose apart by several threads before you attempt to fix it with hose inlet/outlet.

Step 3: Connect the Hose Outlet to the other end of the Exhaust Hose by turning it in a counter clockwise direction. Place the Exhaust Hose securely on the moulded threads of the Hose Outlet.

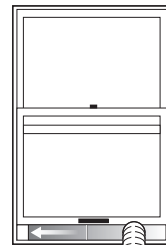


Step 4: Sliding Window (Horizontal/Vertical).

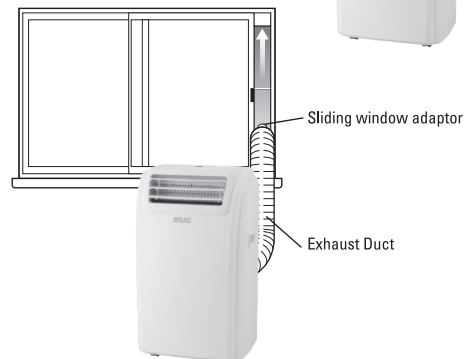
- Slide the window open.
- Place the window adaptor kit into the opening, telescope window adaptor to fit the window (Horizontal/Vertical).
- Insert the screw into the closest available hole on the edge of the kit to hold it in position.
- Partially close the window to hold together the window adaptor kit securely.
- Insert the Hose Outlet into the window adaptor and clip it into place.



Horizontal application



Vertical application

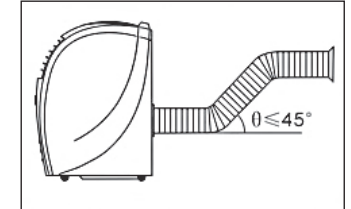
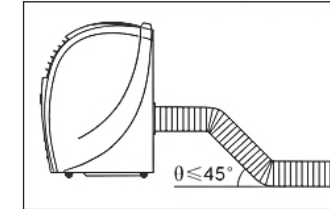
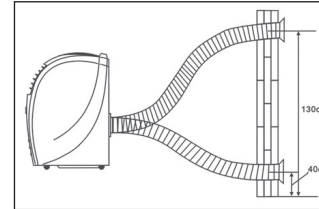


MOUNTING INSTRUCTIONS

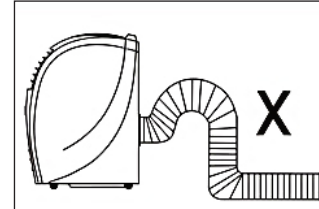
NOTE

- Free access of exhaust pipe is important, ensure air in exhaust pipe can run smoothly, installation errors will bring bad influence of machine
- Extreme length of unfolding exhaust pipe is 1400mm, please shorten the length as much as possible when installing.
- Place the machine on flat ground and keep it level as much as possible when installing.
- Place the machine on flat ground and keep it far from around things at least 500mm.
- Make sure the socket can be reached from machine location.
- Keep the machine stand upright so that compressor can work well.
- Make sure free access of air-inlet and air-outlet.
- Don't use spraying agent (such as pesticides, paint) or flammable materials, otherwise plastic deformation, or even electric damage of the machine may be caused.
- Avoid exhaust hose with sharp bend.

Correct Bending



Wrong Bending

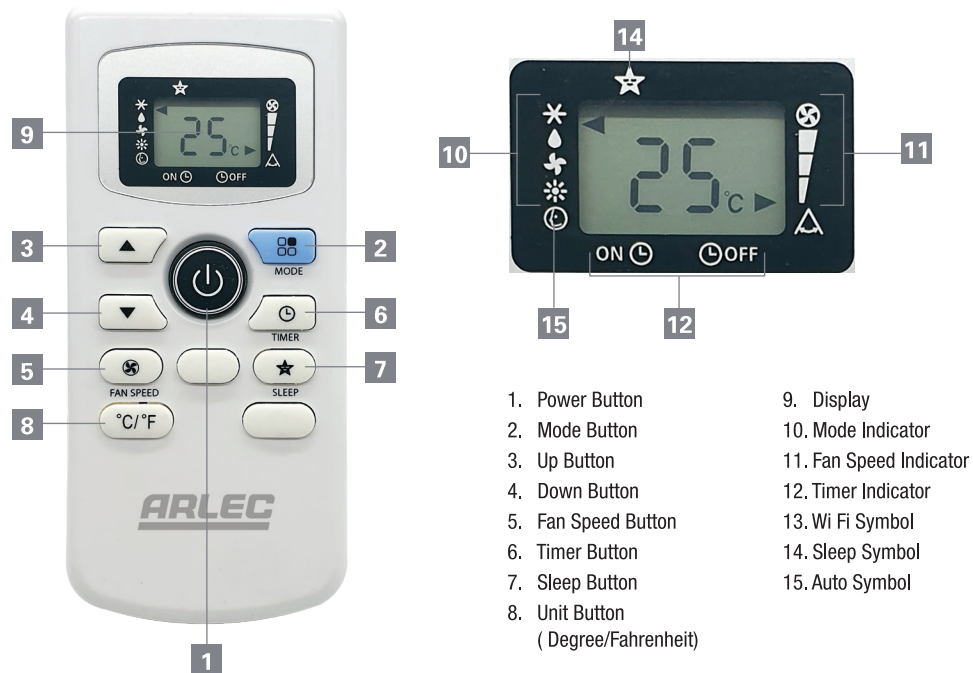
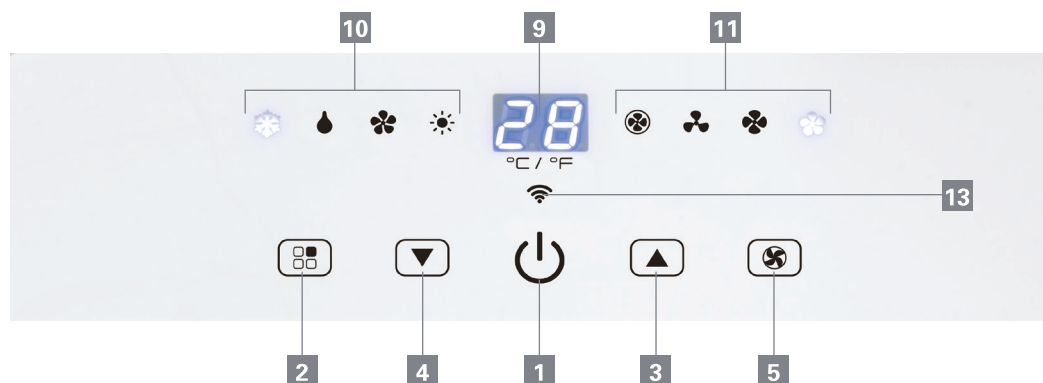


IMPORTANT: The hose length has been specifically designed for this product. Do not replace or increase the length of the hose with attachments. If the venting of the exhaust air is inhibited in any way the unit may overheat and shut off.

Warning: Prevent any bow or bend in the middle of the hose, as this will trap hot exhaust air, which will radiate into the room and cause the unit to shut off automatically (Due to overheating).

Do not replace or increase the length of the hose with attachments. If the venting of the exhaust air is inhibited in any way the unit may overheat and shut off.

CONTROL IDENTIFICATION




- | | |
|---------------------------------------|-------------------------|
| 1. Power Button | 9. Display |
| 2. Mode Button | 10. Mode Indicator |
| 3. Up Button | 11. Fan Speed Indicator |
| 4. Down Button | 12. Timer Indicator |
| 5. Fan Speed Button | 13. Wi-Fi Symbol |
| 6. Timer Button | 14. Sleep Symbol |
| 7. Sleep Button | 15. Auto Symbol |
| 8. Unit Button
(Degree/Fahrenheit) | |

OPERATING INSTRUCTIONS

PLEASE NOTE: The beep sound will be heard every time when the button is pressed on the keypad display or remote handset.

POWER BUTTON

To power the unit, ensure that the power plug is plugged into an appropriate 240V AC receptacle and switch power on at the wall outlet.





Once the power is applied the unit will beep and the display will come up indicating , the unit will be in standby mode.

Press the Power button and the unit will start operating in the last selected settings. Adjust the air outlet angle by turning the horizontal deflector accordingly.



IMPORTANT! To prolong the life of the compressor, wait for at least 3 minutes before turning on the unit, after it has been switched off.

Never turn the air conditioner off by unplugging from the mains wall outlet. Always use the Power ON/OFF button to turn off the unit and then wait for few minutes before unplugging the mains power cord.




MODE SELECTION BUTTON**COOL MODE**

- Press the MODE button repeatedly until  at the mode indicator lights up. If you use remote control,  will appear next to  on the remote display. This indicates the unit is set in cool mode.
- The setup temperature is shown on the display. Press the UP or DOWN button to set room temperature as desired between 18°C to 32°C (64°F to 90°F). The temperature will increase/decrease by 1 each time UP/DOWN button is pressed.
- Press the FAN SPEED button to switch the fan speed. At the fan speed indicator, one of the icon  will light up. If you use remote control, the following icons will appear. It means the fan speed is Auto, Low, Medium and High.





**AUTO MODE:**

If you use remote control,  will appear next to  on the remote display. This indicates the unit is set in auto mode. The operation of this function is identical to the fan mode.





HEAT MODE

- Press the MODE button repeatedly until  at the mode indicator lights up. If you use remote control,  will appear next to  on the remote display. This indicates the unit is set in heat mode.
- The setup temperature is shown on the display. Press the UP or DOWN button to set room temperature as desired between 18°C to 27°C (55°F to 81°F). The temperature will increase/decrease by 1 each time UP/DOWN button is pressed.
- Press the FAN SPEED button to switch the fan speed from Auto, Low, Medium and High.

FAN MODE



- Press the MODE button repeatedly until  at the mode indicator lights up. If you use remote control,  will appear next to  on the remote display. This indicates the unit is set in fan mode.
- The display will show  which is corresponding to Low, Medium and High fan speed. No auto fan speed can be chosen.

DRY MODE

- Press the MODE button repeatedly until  at the mode indicator lights up. If you use remote control,  will appear next to  on the remote display. This indicates the unit is set in dry mode.
-  Will be shown on the display. In this mode, fan speed is selected automatically by the unit.
- Dry mode cannot be used to cool the room, the main purpose of this mode is to reduce the humidity in the room.

Refer to the water drainage section to drain the condensate (water) in the unit.

SLEEP FUNCTION

- Press the SLEEP button on the remote to turn on the sleep function.  will appear below the  on the remote display.
- The fan speed will become low and the display will become dim.
- If it is operating at cool mode the temperature will rise from setting temperature by 1°C per hour. After the temperature rose by 2°C the temperature will be maintained for further 6 hours before the unit turn OFF automatically.
- If it is operating at heat mode the temperature will drop from setting temperature by 1°C per hour. After the temperature dropped by 3°C the temperature will be maintained for further 5 hours before the unit turn off automatically.
- To turn OFF the silent function press SLEEP button once.

OPERATING INSTRUCTIONS

TIMER ON/OFF

Timer function is used to set the ON or OFF time of the unit. The duration of timer is from 0.5Hrs to 24 Hrs, the timer is incremented in steps of 0.5 Hr every time.

TIMER ON

This function is used to start the unit after a specific time interval.

TO SET THE ON TIME:

- Ensure the unit is connected to mains supply and the supply switch is turned ON.
- Press the TIMER button twice, the remote will display 0.5-24 hours, ▼ will appear above ON ⏻ and h will flash on the remote display. Press the UP or DOWN button on the remote control to set the desired time. Press TIMER button again to activate the timer. ▼ will appear above ON ⏻ and the time will be shown on the remote display
- After set time, the unit will start operating in the last selected settings.
- To cancel the timer press TIMER button again and ▼ above ON ⏻ will disappear.

TIMER OFF

This function is used to turn OFF the unit after a specific time interval.

- When the unit is running, press the TIMER button, the remote control will display 0.5-24 hours, ▼ will appear above ⏻ OFF and h will flash on the remote display. Press the UP or DOWN button on the remote control to set the desired time. Press TIMER button again to activate the timer. ▼ will appear above ⏻ OFF and the time will be shown on the remote display.
- After set time, the unit will turn off automatically.
- To cancel the timer press TIMER button again and ▼ above ⏻ OFF will disappear.

CHANGING TEMPERATURE UNIT

- Pressing the UNIT button on the remote control the temperature on the display will switch between °C and °F.
- Alternatively, hold the UP button and DOWN button on the control panel for three second. The unit can also be switched.

REMOTE CONTROL

- The remote-control unit requires 2 x 1.5V AAA Alkaline batteries.
- Please remove the plastic isolation piece inside battery cover plate slot when you use it for first time.
- You can use the remote-control unit when the distance between the air conditioner and the remote is less than seven meter without obstacles. Make sure the deviation of remote is less than 30°.
- To use the remote-control unit, make sure that unit is plugged into the mains supply, then point the remote to the sensor located at the control panel and press the desired button.

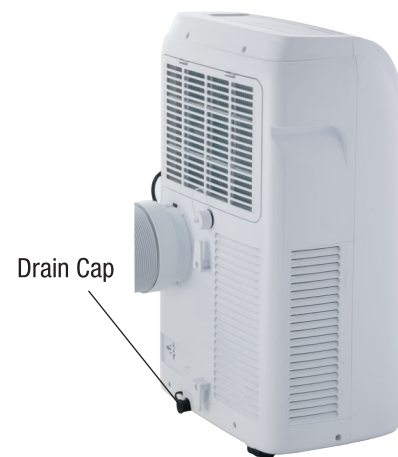
WATER DRAINING

MANUAL DRAIN

- Once the unit shuts down upon full water, turn off the power of the unit and then unplug the power plug.

Note: move the unit carefully to avoid spillage of water in the water tray at the bottom of the unit.

- Put a vessel / container that will hold the water below the bottom condenser drain at the back of the unit.
- Remove the drainage cap and water will be drained out. The unit can be tilted backward slightly (not larger than 30 °) to undergo the drainage process smoothly.
- If the container is nearly full. Insert the drainage cap to the outlet to prevent any spill of water on the carpet or floor.
- After the water is drained out, put on the drainage cap and ensure it is secured.



MAINTENANCE

Prior to maintenance and servicing of the unit, turn off the power and unplug the plug.

SURFACE CLEANING

Clean the surface of the unit with wet soft cloth. Do not use chemical solvents such as alcohol and gasoline; otherwise, the surface of the air conditioner may be damaged and even the whole unit may be damaged.

CLEAN THE FILTER SCREEN

If the filter screen is clogged with dust, and the effectiveness of the air conditioning is reduced, be sure to clean the filter screen once every two weeks.

- Take off filter screen with hands as shown in figure below.
- Use vacuum cleaner to remove the dust from the filter frame. If the frame is very dusty place it in the warm water under 40°C or 104°F to which neutral detergent is added for cleaning and then dry them in the shade. Rinse the filter and dry it in a shaded place.



END OF SEASON STORAGE

- Screw off the drain cap and drain the water in the water tray to another vessel that holds water. Tilted backward slightly (not larger than 30 °)

Note: The tilt angle of the unit shall not be greater than 30 degrees.

- Start the unit, turn the mode to the low fan speed state of the air supply mode, keep this state for half a day and dry the interior of the unit to prevent mold.
- Turn off the unit, unplug the power plug, wrap the power cord around the wire-winding post, install the water plug and drain cap.
- Remove the exhaust hose assembly and keep it properly.
- Pack the air-conditioner properly with soft plastic bag, put the unit in a dry place & take appropriate dust-proof measures, and keep the unit out of the reach of children.
- Take out the batteries of the remote control and keep it properly.

Note: Ensure that the unit is put in a dry place. All accessories of the unit shall be protected properly.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The unit does not come ON	Unit not plugged in	Make sure the plug is pushed in completely and power switch is switched ON.
	Internal safety device has operated	Wait for 30mins and try again.
	Wall socket is not working	Check with another working wall socket.
Unit works for a short time only.	Bends or Kinks in the air exhaust hose	Position the hose properly, keeping it as short as possible with no bends.
	Air outlet / inlet grilles are blocked	Visual inspect the unit to make sure no foreign material is obstruction the airflow.
Unit does not cool the room	Room size too large	Unit is suitable for a room size of 22m ² with a standard ceiling height of 2.4m.
	Direct sunlight onto the unit	Close curtains and pull down blinds.
	Windows or doors open	Close doors and windows.
	Another heat source in the room.	Eliminate all other heat sources.
	Outlet duct venting the hot air properly.	Adjust the hose properly so that there is no back flow of hot air in the room.
During operation, there is an unpleasant smell in the room	Air filter clogged	Clean the filter.
	Unit placed on a hard surface causing it to vibrate.	A soft carpeted surface may absorb excessive vibration.
Unit is too Noisy	Unit placed on a hard surface causing it to vibrate.	A soft carpeted surface may absorb excessive vibration.
The unit does not operate for about three minutes after it is restarted	This is for the safety of the compressor which prevents the unit from being restarted until three minutes have elapsed since it was last turned off.	This is part of normal operation.
Error code is displayed	The appliance has a self-diagnosis system to identify malfunctions.	See "error codes" section.

ERROR CODES

LOW TEMPERATURE (FROST PROTECTION FUNCTION)

If Lt is shown on the display, the unit is fitted with a frost protection device to avoid excessive formation of ice during Cooling, Dry or Sleep mode. The unit will start automatically when defrosting process is completed.

**FULL TANK FAILURE (SAFETY TANK FULL)**

If Ft is shown on the display, empty the internal safety tank.

**PROBE FAILURE (SENSOR DAMAGED)**

If Pf is shown on the display, contact your local authorize service centre.



TECHNICAL SPECIFICATIONS

MODEL NO:	PA1203HA
Voltage/Frequency	220-240V ~50 Hz
Cooling Capacity	12,000BTU/h (3500W)
Cooling Input Power	1360W
Cooling Current	5.9A
Heating Capacity	9500 BTU/h (2800W)
Heating Input Power	1160W
Rated Power	1400W
Rated Current	7.0A
Air Flow	290m ³ /h
Refrigerant/ Charge/ GWP	R410A/ 0.56kg/ 2088
CO₂ equivalent	1.16928 tonnes
Ingress Protection Rating	IPX0
Timer	0.5-24 Hr
Fan Speed	Low/ Medium/ High
Operation Mode	Cool/ Dry/ Fan/ Heat
Dimensions	690mm(D) X 415mm(H) X 315mm(W)
Weight	27kg

ARLEC**GRID** CONNECT

SMART HOME

WARRANTY

Arlec guarantees this product in accordance with the Australian Consumer Law and all other applicable Australian and New Zealand laws that are unable to be excluded.

Arlec also warrants to the original first purchaser of this product (you) from a retailer with which this document is given that this product will be free of defects in materials and workmanship for a period of 12 months from the date of purchase; provided the product is not used or installed other than for the purpose, or in a manner not within the scope of the recommendations and limitations, specified by Arlec, is new and not damaged at the time of purchase, has been properly installed by a licensed electrician or contractor who is licensed to install electrical products in the place in which the product was installed and in accordance with Arlec's installation instructions, has been maintained in accordance with the recommendations specified by Arlec, has not been subjected to abuse, misuse, neglect or damage, has not been modified or repaired without the approval of Arlec and has not been used for, or installed in premises which are used for, commercial purposes (Warranty).

If you wish to claim on the Warranty, you must, at your own expense, return the product or that part of the product which you believe is defective in materials and workmanship, and provide proof of original purchase, your name, address and telephone number and a certificate of installation or other document required by law for the installation of electrical products in the place in which the product was installed issued by the licensed electrician or contractor who installed the product, to Arlec at the address below within 12 months from the date of purchase. Please note that the Warranty does not cover removal or re-installation of the product or that part of the product which you believe is defective.

Arlec will assess any claim you may make on the Warranty in the above manner and if, in Arlec's reasonable opinion, the Warranty applies, Arlec will at its own option and expense replace the product (or part of the product) with the same or similar product (or part of the product) or repair the product (or part of the product) and return it to you or refund the price you paid for the product. Arlec will bear its own expenses of doing those things, and you must bear any other expenses of claiming on the Warranty.

For goods purchased in Australia (only):

The Warranty is in addition to other rights and remedies you may have under a law in relation to the product to which the Warranty relates.

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 for 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.

For goods purchased in New Zealand (only):

The Warranty is in addition to, and does not affect, other rights and remedies you may have under a law in relation to the product to which the Warranty relates.

Our goods may come with guarantees that can only be excluded under the New Zealand Consumer Guarantees Act 1993 to the extent you are acquiring the product for a business purpose and it would be fair and reasonable for Arlec to contract out of those guarantees.

ARLEC

Arlec Australia Pty. Ltd. ACN 009 322 105 gives the Warranty for goods purchased from a retailer in Australia by you and Arlec New Zealand Limited NZBN 9429030738294 gives the Warranty for goods purchased from a retailer in New Zealand by you (collectively Arlec). Arlec's telephone number, address and email address for purposes of giving the Warranty are:

Telephone Number: 1800 826 859 (in Australia) 0800 003 329 (in New Zealand)

Street Address: Building 3, 31-41 Joseph Street, Blackburn North, Victoria, 3130, Australia

Postal Address: Blackburn North LPO, P.O. Box 1065, Blackburn North, 3130, Australia

Email: cs@arlec.com.au

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CPIN004680