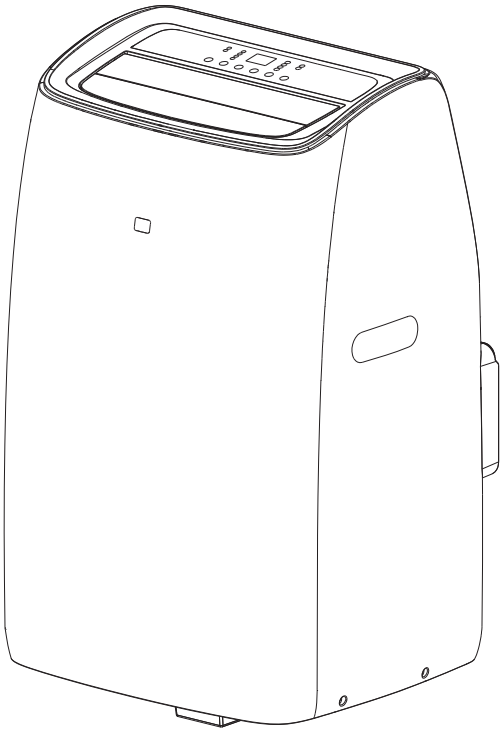
IMPECCA®

# Portable Air Conditioner



# User's Guide

MODEL: **IPAC10-G1**

*www.impecca.com*

v.1.1

ENGLISH

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# IMPORTANT SAFETY INSTRUCTIONS

**Read Before Operating: Always read all instructions thoroughly before using the appliance.**

- This appliance is for household use only.
- Disconnect the appliance from its power source during service and when replacing parts and cleaning.
- Please note: Check the nameplate for the type of refrigerant gas used in your appliance.
- Specific information regarding appliances with refrigerant gas: Do not pierce the cooling circuit of the machine. At the end of its useful life, deliver the appliance to a special waste collection centre for disposal. GWP(Global Warming Potential): R410A: 2088, R134a: 1430, R290: 3, R32: 675.
- This hermetically sealed system contains fluoridated greenhouse gases.
- ENVIRONMENTAL INFORMATION: This unit contains fluoridated greenhouse gases covered by the Kyoto Protocol.
- Do not use this unit for functions other than those described in this instruction manual.
- Make sure the plug is plugged firmly and completely into the outlet. It can result in the risk of electric shock or fire.
- Do not plug other appliances into the same outlet, it can result in the risk of electric shock.
- Do not disassemble or modify the appliance or the power cord, it can result in the risk of electric shock or fire. All other services should be referred to a qualified technician.
- Do not place the power cord or appliance near a heater, radiator, or other heat source. It can result in the risk of electric shock or fire.
- This unit is equipped with a cord that has a earthed wire connected to an earthed pin or grounding tab. The plug must be plugged into a socket that is properly installed and earthed. Do not under any circumstances cut or remove the earthed pin or grounding tab from this plug.
- The unit should be used or store in such a way that it is protected from moisture e.g. condensation, splashed water, etc. Unplug unit immediately if this occurs.
- Always transport your appliance in a vertical position and place on a stable, level surface during use. If the unit is transported laying on its side it should be stood up and left unplugged for 6 hours.
- Always use the switch on the control panel or remote controller to turn the unit off, and do not start or stop operation by plugging in or unplugging the power cord. It can result in the risk of electric shock.
- Do not use hazardous chemicals to clean or come into contact with the unit. To

prevent damage to the surface finish, use only a soft cloth to clean the appliance. Do not use wax, thinner, or a strong detergent. Do not use the unit in the presence of inflammable substance or vapour such as alcohol, insecticides, gasoline, etc.

- If the appliance is making unusual sounds or is emitting smoke or an unusual odor, unplug it immediately.
- Do not clean the unit with water. Water can enter the unit and damage the insulation, creating a shock hazard. If water enters the unit, unplug it immediately and contact Customer Service.
- Utilize two or more people to lift and install the unit.
- Always grasp the plug when plugging in or unplugging the appliance. Never unplug by pulling on the cord. It can result in the risk of electrical shock and damage.
- Install the appliance on a sturdy, level floor capable of supporting up to 110lbs(50kg). Installation on a weak or unlevel floor can result in the risk of property damage and personal injury.
- Details of type and rating of fuses: T, 250V AC, 3.15A.
- ELECTRICAL CONNECTIONS
- Before plugging the appliance into the mains socket, check that:
- The mains power supply corresponds to the value indicated on the rating plate on the back of the appliance.
- The power socket and electrical circuit are adequate for the appliance.
- The mains socket matches the plug. If this is not the case, have the plug replaced.
- The mains socket is adequately earthed. Failure to follow these important safety instructions absolves the manufacturer of all liability.

**WARNING**

- This appliance is not intended for use by persons (including children)with reduced physical, sensory or mental capabilities,or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- If the SUPPLY CORD is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance shall be installed in accordance with national wiring regulations.
- 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 refrigerants may not contain an odour.

**WARNING**

- The handling, installation, storage, servicing and disposal must comply with the provisions of gas-related national laws and regulations, and also national wiring regulation.
- It is necessary to clear away the refrigerant in the system when maintaining or scrapping an appliance.

**VENTILATED AREA (OPEN DOORS AND WINDOWS)**

- Ensure that the working area is open or well ventilated before turning on the system or performing hot work. Ventilation should be maintained during operation. Ventilation quickly displaces safely diluted leaked refrigerant into the atmosphere.
- Flammable refrigerant R32/R290 is used within appliance. Please follow the instructions carefully to handle, install, clean, and service the appliance to avoid damage or hazard. Do not dispose of appliance in regular trash. Contact qualified agency for proper disposal.
- Servicing shall be performed only as recommended by the manufacturer.


When using electrical appliances, basic safety precautions should always be followed:
DO NOT touch the appliance or the electrical plug with wet hands.
Check the household voltage to ensure it matches the appliance's specification.
Before operating, remove all packaging material and check for any damage that may have occurred during shipping.
DO NOT operate any product with a damaged cord or plug.
DO NOT use an extension cord with this appliance.
DO NOT run power cord under carpeting, or cover it with rugs or runners, Keep the cord away from areas where it may be tripped over.
Always power off and unplug the appliance before emptying the water tank.
The water collected in the tank must be discarded. The water should never be used for drinking.
Always unplug the appliance and remove the water from the water tank before cleaning.
servicing or relocating the unit.
Remove the power cord from the electrical receptacle by grasping and pulling on the power cord plug-end only, never pull the cord.
This appliance has been manufactured for use in domestic environments and must not be used for other purposes

DO NOT use the product in areas where gasoline, paint or other flammable goods and objects are used or stored
This appliance is designed for indoor residential applications only. It should not be used for commercial or industrial applications.
DO NOT attempt to repair or adjust any electrical or mechanical functions of the appliance as this may cause danger and void the warranty.
DO NOT cover the air inlet or outlet on the appliance as this may cause the unit to fail.
DO NOT insert or allow objects to enter any ventilation or exhaust opening as this may damage the product and could cause electrical shock or fire.
DO NOT let children play with this appliance, packaging or included plastic bag.
If the unit is damaged or it malfunctions, do not continue to operate it. Unplug the product from the electrical outlet. Refer to the troubleshooting section and contact the customer support center.
Always place the appliance on a leveled floor.
Never install the product near a bathtub or any water container.
Store in a dry area, away from direct sunlight, when not in use.
This appliance and its packaging materials are not intended for use by persons (including children or elderly) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning the use of the appliance by a person responsible for their safety.
Always grip the top handle and keep the unit upright when transporting from room to room -DO NOT tilt the product on its side or upside-down.
If the appliance was transported tilted on its side, you must position it upright again and wait at least 6 hours before using it.
WARNING: To reduce the risk of fire or electric shock, do not use this appliance with any solid state speed control device.

Information for qualification of workers
All operators or refrigeration system maintenance personnel shall have a valid certificate issued by an industry-recognized evaluation body to certify that they are qualified for the safe disposal of refrigerant agents as recognized by the industry;
• Maintain and repair the equipment only in accordance with the method recommended by the equipment manufacturer. If other professionals are required to assist in the maintenance and repair of equipment, do so under the supervision of personnel qualified to use combustible refrigerants.

HH.1 General
Information of procedures additional to usual information for refrigerating appliance installation, repair, maintenance and decommission procedures is required when an appliance with FLAMMABLE REFRIGERANTS is affected.
The training of these procedures is carried out by national training organisations or manufacturers that are accredited to teach the relevant national competency standards that may be set in legislation.

The achieved competence should be documented by a certificate.
HH.2 Information and training
HH.2.1 The training should include the substance of the following:
HH.2.2 Information about the explosion potential of FLAMMABLE REFRIGERANTS to show that flammables may be dangerous when handled without care.
HH.2.3 Information about POTENTIAL IGNITION SOURCES, especially those that are not obvious, such as lighters, light switches, vacuum cleaners, electric heaters.
HH.2.4 Information about the different safety concepts:
Unventilated – Safety of the appliance does not depend on ventilation of the housing. Switching off the appliance or opening of the housing has no significant effect on the safety. Nevertheless, it is possible that leaking refrigerant may accumulate inside the enclosure and flammable atmosphere will be released when the enclosure is opened.
Ventilated enclosure – Safety of the appliance depends on ventilation of the housing. Switching off the appliance or opening of the enclosure has a significant effect on the safety. Care should be taken to ensure sufficient ventilation before.
Ventilated room – Safety of the appliance depends on the ventilation of the room. Switching off the appliance or opening of the housing has no significant effect on the safety. The ventilation of the room shall not be switched off during repair procedures.
HH.2.5 Information about refrigerant detectors:
• Principle of function, including influences on the operation.
• Procedures, how to repair, check or replace a refrigerant detector or parts of it in a safe way.
• Procedures, how to disable a refrigerant detector in case of repair work on the refrigerant carrying parts.
HH.2.6 Information about the concept of sealed components and sealed enclosures according to IEC 60079-15:2010.
a) Commissioning
• Ensure that the floor area is sufficient for the REFRIGERANT CHARGE or that the ventilation duct is assembled in a correct manner.
• Connect the pipes and carry out a leak test before charging with refrigerant.
• Check safety equipment before putting into service.
b) Maintenance
• Portable equipment shall be repaired outside or in a workshop specially equipped for servicing units with FLAMMABLE REFRIGERANTS.
• Ensure sufficient ventilation at the repair place.
• Be aware that malfunction of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.
• Discharge capacitors in a way that won’t cause any spark. The standard procedure to short circuit the capacitor terminals usually creates sparks.
• Reassemble sealed enclosures accurately. If seals are worn, replace them.
• Check safety equipment before putting into service.

c) Repair
• Portable equipment shall be repaired outside or in a workshop specially equipped for servicing units with FLAMMABLE REFRIGERANTS.
• Ensure sufficient ventilation at the repair place.
• Be aware that malfunction of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.
• Discharge capacitors in a way that won't cause any spark.
• When brazing is required, the following procedures shall be carried out in the following order:
– Safely remove the refrigerant following local and national regulations. If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet. Take special care that drained refrigerant will not float back into the building;
– Purge the refrigerant circuit with oxygen free nitrogen;
– Evacuate the refrigerant circuit;
– Purge the refrigerant circuit with nitrogen for 5 min (not required for A2L refrigerants).
– Evacuate again (not required for A2L refrigerants).
– Remove parts to be replaced by cutting or brazing.
– Purge the braze point with nitrogen during the brazing procedure required for repair.
– Carry out a leak test before charging with refrigerant.
• Reassemble sealed enclosures accurately. If seals are worn, replace them.
• Check safety equipment before putting into service.
d) Decommissioning
• If the safety is affected when the equipment is putted out of service, the REFRIGERANT CHARGE shall be removed before decommissioning.
• Ensure sufficient ventilation at the equipment location.
• Be aware that malfunction of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.
• Discharge capacitors in a way that won't cause any spark.
• Remove the refrigerant. If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet. Take special care that drained refrigerant will not float back into the building.
• When FLAMMABLE REFRIGERANTS except A2L REFRIGERANTS are used,
– Evacuate the refrigerant circuit.
– Purge the refrigerant circuit with nitrogen for 5 min.
– Evacuate again.
– Fill with nitrogen up to atmospheric pressure.
– Put a label on the equipment that the refrigerant is removed.
e) Disposal
• Ensure sufficient ventilation at the working place.
• Remove the refrigerant. If the recovery is not required by national regulations, drain

the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet. Take special care that drained refrigerant will not float back into the building.
• When flammable refrigerants are used,
a) Evacuate the refrigerant circuit.
b) Purge the refrigerant circuit with oxygen free nitrogen.
c) Evacuate again. (not required for A2L refrigerants)
d) Cut out the compressor and drain the oil.

GENERAL INSTRUCTIONS
1.1 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 con-ducting work on the system.

1.2 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.

1.3 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.

1.4 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 tection equipment being used is suitable for use with flammable refrigerants, i.e. nonsparking, adequately sealed or intrinsically safe.

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

1.6 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.

1.7 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.

1.8 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.

1.9 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.

REPAIRS TO SEALED COMPONENTS
2.1 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.
2.2 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.

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.

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.

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.
The following leak detection methods are deemed acceptable for all refrigerant systems. Electronic leak detectors may be used to detect refrigerant leaks but, in the case of FLAMMABLE REFRIGERANTS, 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 also 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.
NOTE Examples of leak detection fluids are
– bubble method,
– fluorescent method agents.
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. Removal of refrigerant shall be according to (Removal and evacuation).

REMOVAL AND EVACUATION
When breaking into the refrigerant circuit to make repairs – or for any other purpose – conventional procedures shall be used. However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration. The following procedure shall be adhered to:
a) safely remove refrigerant following local and national regulations;
b) purge the circuit with inert gas;
c) evacuate (optional for A2L);
d) purge with inert gas (optional for A2L);
e) open the circuit by cutting or brazing.
The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times. Compressed air or oxygen shall not be used for purging refrigerant systems. For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum (optional for A2L). This process shall be repeated until no refrigerant is within the system (optional for A2L). When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place.
Ensure that the outlet for the vacuum pump is not close to any potential ignition sources and that ventilation is available.

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.

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.

LABELLING

Equipment shall be labelled stating that it has been decommissioned 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.

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 are 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.

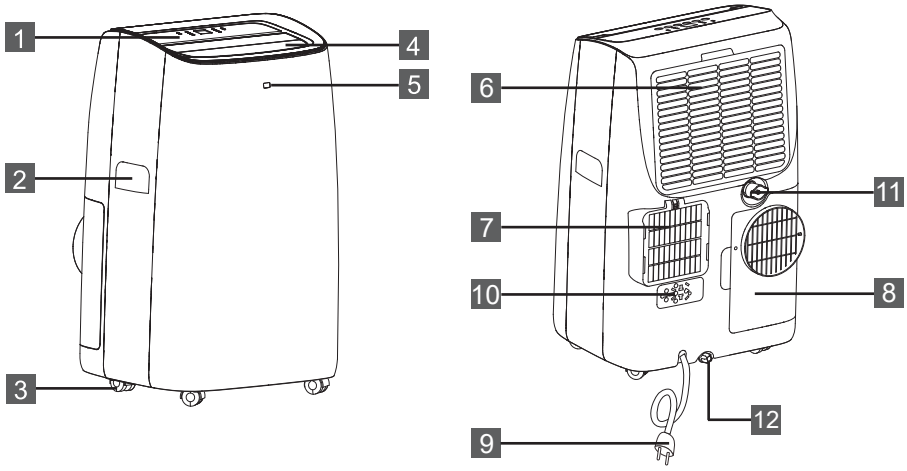
The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants.In addition,a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete 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.

# SAVE THESE INSTRUCTIONS

# UNIT DIAGRAM



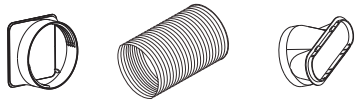
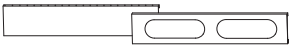
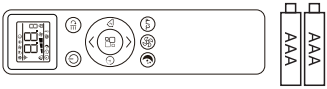
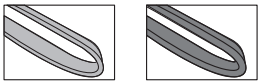

1. Control Panel
2. Handles (on both sides)
3. Casters
4. Deflector
5. Remote Control Receiver
6. Air Intake Grille
7. Air Outlet Grille
8. Air Intake Grille
9. Power Cable
10. Plug Securer
11. Central Drainage Outlet
12. Condenser Drain Pipe

**Caution: Open the deflector before using this appliance.**

**** Indicates that this feature is exclusive to the Wi-Fi model.**

**Note:** Please refer to the Wi-Fi manual for guidance on connecting to a phone. Once the unit is successfully connected to a phone, the Wi-Fi symbol will be illuminated.

# ACCESSORIES

| Parts | Parts Name | Quantity |
|---|---|---|
|  | • Hose inlet<br>• Exhaust hose<br>• Hose outlet | 1 Set |
|  | • Hose inlet<br>• Exhaust hose<br>• Hose outlet | 1 Set |
|  | • Window slider kit | 1 Set |
|   | • Remote control<br>• Batteries | 1 Set |
|  | • Foam seal A (adhesive type)<br>• Foam seal B (no adhesive type) | 1 Set |

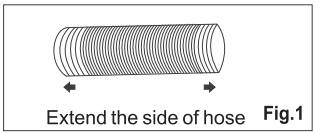
**Note**: All the illustrations in this manual are for explanatory purposes only. Your appliance may be slightly different. Be sure all accessories are removed from the packing before use.

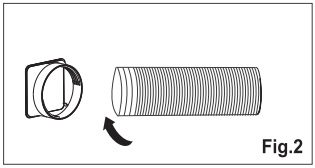
# INSTALLATION INSTRUCTIONS

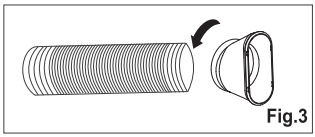
## Exhauting Hot Air

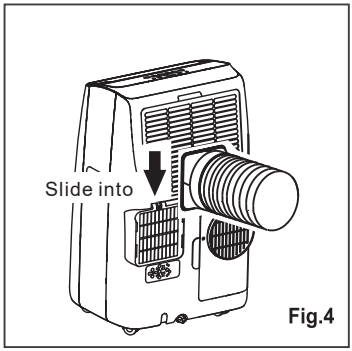
To ensure proper functioning in cool mode, it is crucial that the hot air from the condenser is fully exhausted outside the room.

1. Place the unit on a level floor, ensuring at least 18 inches (45 cm) of clear space around it. The location should be near a single circuit power outlet.
2. Stretch one end of the hose (see Fig.1) and connect it to the hose inlet (refer to Fig.2).
3. Extend the opposite end of the hose and attach it to the hose outlet (as shown in Fig.3).
4. Insert the hose inlet into the unit (illustrated in Fig.4).
5. Secure the hose outlet into the window slider kit and ensure it is well-sealed (details in Fig.5 & 6).



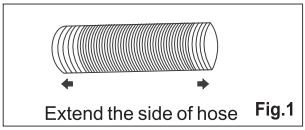



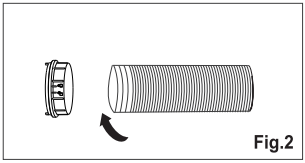



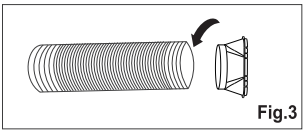

## Intake Outdoor Air

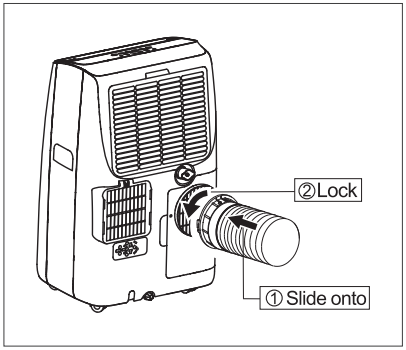
Assemble the intake hose following the same steps as before:

1. Extend one end of the hose (refer to Fig.1) and attach it to the hose inlet (as shown in Fig.2).
2. Stretch the other end of the hose and connect it to the hose outlet (see Fig.3).
3. Insert the hose inlet into the unit (illustrated in Fig.4).
4. Secure the hose outlet to the window slider kit and ensure a tight seal (details in Fig.5 & 6).

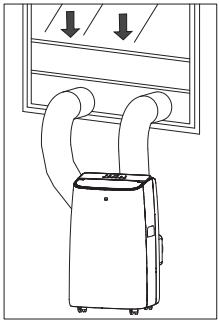


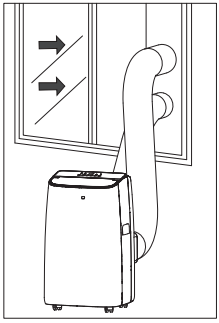



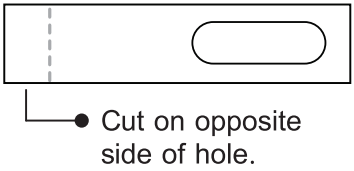




The window slider kit is engineered to accommodate most standard vertical and horizontal window configurations. However, adjustments to the installation process may be required for specific window types. This kit can be securely fastened using screws.

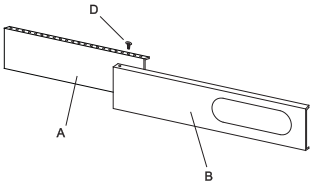




**Important Note** If your window opening is smaller than the minimum length of the window slider kit, trim the end without the hole to ensure it fits within the window opening. It's crucial to avoid cutting the end of the kit that contains the hole.



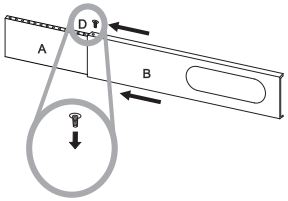
## Window Slider Kit Installation




### Components

- A) Panel
- B) Panel with Hole
- C) Screw/Pin

### Assembly Steps



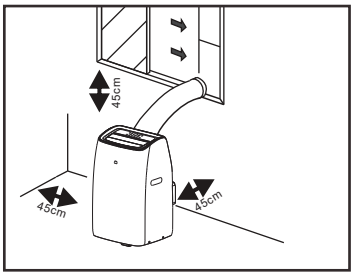

**1. Align Panel B (with hole) into Panel A.** Adjust to fit the width of your window. Note that window sizes can vary. Ensure that the window kit assembly fits snugly without any gaps or air pockets during measurement.

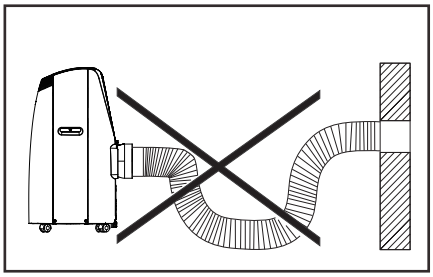
**2. Secure the Assembly:**

- Fasten the screw/pin into the corresponding holes based on the width of your window. This is to guarantee a tight fit of the window kit assembly, preventing any gaps or air pockets post-installation.

## Location Guidelines

- Ensure the unit is positioned on a stable, level surface to minimize noise and vibration. It should be placed on a floor that is smooth and capable of supporting the unit's weight.
- The unit is equipped with casters for easier movement. However, it should be rolled only on smooth, flat surfaces. Extra care is needed when moving it over carpeted areas or wood floors to avoid damage. Avoid rolling the unit over any objects.
- Position the unit close to a properly rated grounded electrical outlet.
- Keep the area around the air inlet and outlet free from obstructions.
- Maintain a clearance of at least 18 inches (45 cm) around and above the unit, away from walls, for efficient operation.
- While the hose can be extended, it is advisable to keep it as short as necessary for optimal performance. Ensure that the hose is free from sharp bends and sags.

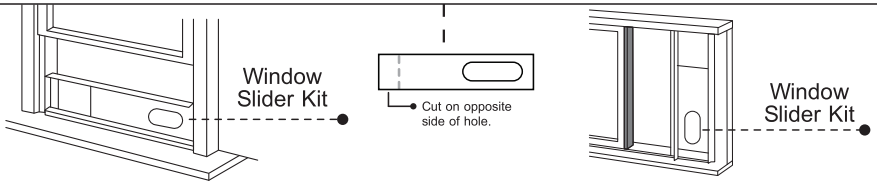


# Double-Hung/Sliding Sash Window Installation

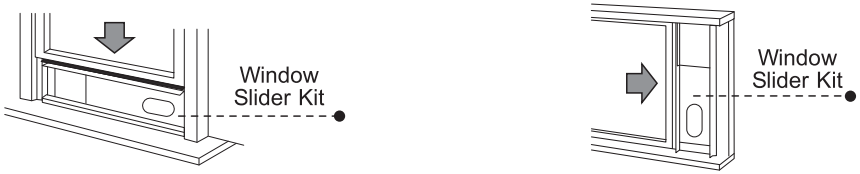
**DOUBLE-HUNG SASH WINDOW** **SLIDING SASH WINDOW**


1. Open the window, Cut the foam seal(adhesive type) to the proper length and attach it to the window two inside.




2. Attach the window slider kit to the window sash. Adjust the length of the window slider kit according to the width of window. If necessary, mark the kit and cut one end down to properly fit the window.

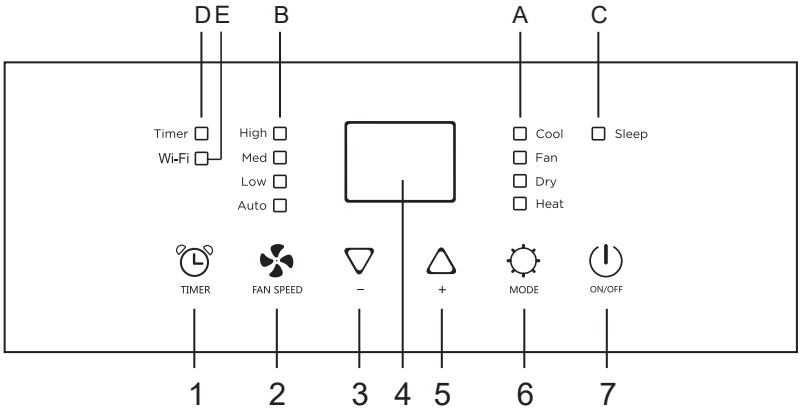

3. Use screw for securing the window kit.




4. Close the window securely against the window slider kit.


5. Cut the foam seal(no adhesive type) to an appropriate length and seal the open gap between the top window frame and outer window frame.

# DISPLAY SCREEN AND CONTROL PANEL




1. Timer Button
2. Fan Speed Button
3. Decrease Button
4. Display Screen
5. Increase Button
6. Mode Button
7. On/Off Button

A. Mode Symbol*****
B. Fan Speed Symbol
C. Sleep Symbol
D. Timer Symbol
E. WiFi******

*** Indicates that the heat function is available only on the heat pump model.**

**** Refer to the Wi-Fi manual for phone connection instructions. The Wi-Fi symbol lights up when the unit is connected to a phone.**

## Turning the Appliance On

Plug the appliance into the mains socket; it will enter **Standby mode**.

Press the On/Off button. The last used function will be activated.

## Cool Mode

Ideal for hot, humid conditions to cool and dehumidify the room.

To activate:

- Press the Mode button until the **Cool symbol** appears.
- Adjust temperature between 18°C-32°C (64°F-90°F) using the Increase or Decrease buttons.
- Select fan speed (High/Med/Low/Auto) using the Fan Speed button.

- Optimal summer room temperature: 24°C to 27°C (75°F to 81°F).
- Fan speed differences are more pronounced in Fan mode.

## Heat Mode

**Note: Exclusive to the heat pump model.**


To activate:

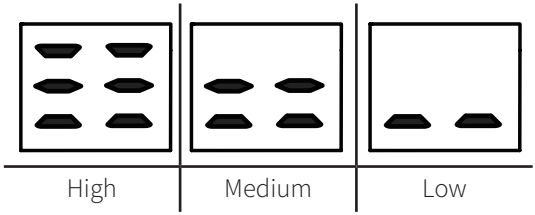
- Press Mode button until **Heat symbol** appears.
- Set temperature between 13°C-27°C (55°F-81°F) using Increase or Decrease buttons.
- Choose fan speed (High/Med/Low/Auto).
- Water collects in the tank and must be emptied when full.
- The appliance automatically defrosts in cold conditions, causing a temporary change in noise.
- The appliance may take a few minutes to emit hot air in this mode.
- The fan may run intermittently even after reaching the set temperature.

## Fan Mode

**Note: No need for attaching the air hose.**

To activate:

- Press Mode button until "Fan" symbol appears.
- Select fan speed (High/Med/Low) by pressing the Fan Speed button.




## Dry Mode

Reduces room humidity, ideal for damp conditions.


Prepare as for Cool mode, with the exhaust hose attached.

To activate:

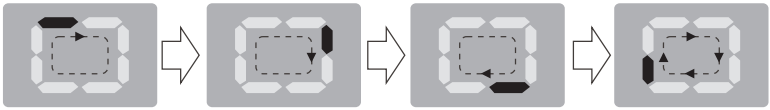
- Press Mode button until **Dry symbol** appears.
- Fan speed is automatically selected.

## Smart Mode

Automatically selects Cool, Fan, or Heat mode based on model.

To activate:

- Press Mode button until the display changes accordingly.



- Choose fan speed (High/Med/Low/Auto).
- Operation varies based on room temperature and appliance model.

## Setting the Timer

Use to delay start-up or shutdown.

## Programming 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 " ⏰ " button, the " Timer " symbol and number of hours flash.
- Press the "∧" / "∨" button until the corresponding time is displayed.
- Wait about 5 seconds, the timer will be active, the " Timer " symbol is light.
- Press again the " ⏰ " Timer button or the "⏻" ON/OFF button , the timer will be canceled, and the "Timer" symbol will disappear from screen.

## Programming shut down

- When the appliance is running, press the button, the " ⏰ " Timer symbol and number of hours flash.
- Press the "∧" / "∨" button until the corresponding time is displayed.
- Wait about 5 seconds, the timer will be active, the " Timer " symbol is light.
- Press again the " ⏰ " Timer button or the "⏻" ON/OFF button, the timer will be canceled, and the "Timer" symbol will disappear from screen.

## Switching Temperature Units

Hold Increase and Decrease buttons together for 3 seconds while the appliance is running. Unit will change from Celsius (fig.1) to Fahrenheit (fig. 2).


Fig.1


Fig.2

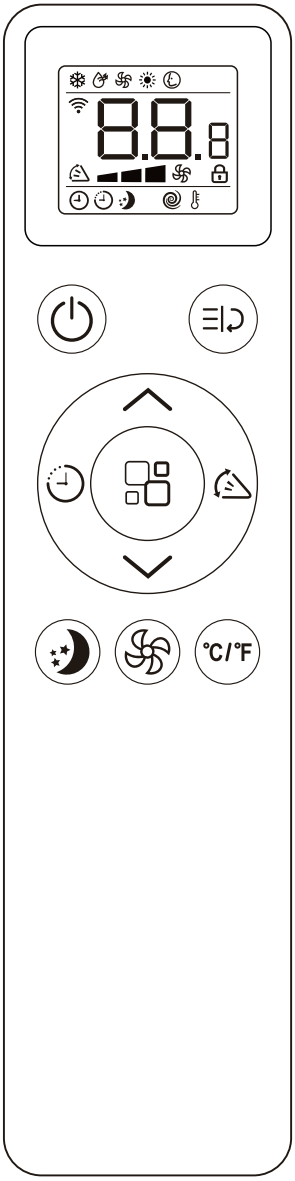
## Self-Diagnosis

The appliance identifies malfunctions and displays codes.


"**FULL TANK**": Empty the internal safety tank as instructed in the "End of Season Operations" section.

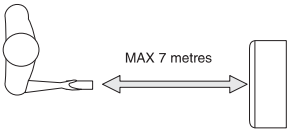
**For other codes, contact the service center.**

## REMOTE CONTROL USAGE AND BATTERY REPLACEMENT



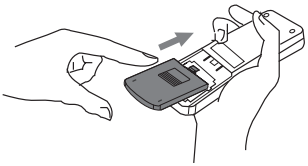

| Display Area Icon | | | |
|---|---|---|---|
| | Cooling Mode | | Fan Speed |
| | Dry Mode | | Auto Speed |
| | Fan Mode | | Child Lock |
| | Heating Mode | | Timer On |
| | Smart Mode | | Timer Off |
| | Signal | | Sleep |
| | Digital Display | | Turbo |
| °E | Temp Unit | | Follow Me |
| | Swing | | |
| **Button Icon** | | | |
| | ON/OFF | | Function |
| | Increase Button | | Mode |
| | Decrease Button | | Swing |
| | Timer | | Sleep |
| °C/°F | Temp Unit Change | | Fan Speed |

## Operating the Remote Control




- Point it towards the receiver on the appliance.
- Stay within 7 meters of the appliance without any obstacles between the remote and receiver.
- Handle the remote with care. Avoid dropping, exposure to direct sunlight, or heat sources.
- If the remote doesn't work, remove the battery and reinsert it.

## Inserting or Replacing Batteries

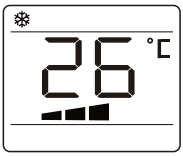


- Remove the rear cover of the remote.
- Insert two "AAA" 1.5V batteries correctly (refer to inside instructions of the battery compartment).
- Replace the cover.
- **Note**: Remove batteries if replacing or disposing of the remote, following environmental guidelines.
- **Warning**: Do not mix different types of batteries or old and new ones.
- **Caution**: Dispose of batteries properly, not in fire.

# REMOTE APPLIANCE MODES

## Cool Mode

Ideal for cooling and dehumidifying in hot weather.

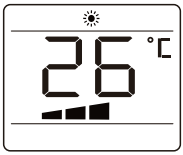



**To set**: Press the Mode button until the " ❄ " symbol shows. Adjust temperature between 18°C-32°C (64°F-90°F) using **increase** and **decrease buttons**, and select fan speed (High/Low/Auto) using **fan speed button**.


Optimal summer room temperature: 24°C-27°C (75°F-81°F).

## Heat Mode

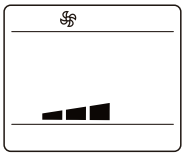
**Note: Only on the heat pump model.**




**To set**: Press Mode until the "☀" symbol appears. Set temperature between 13°C-27°C (55°F-81°F) using **increase** and **decrease buttons**, and choose fan speed (High/Low/Auto) using **fan speed button**.

Water collected in the tank needs to be emptied when full.

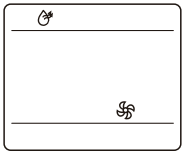
## Fan Mode



No need for the air hose.

**To set**: Press Mode until the " " symbol appears, then select fan speed.

## Dry Mode



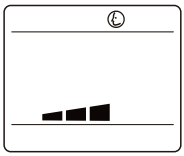
Reduces room humidity, ideal for damp conditions.

Set like Cool mode, with exhaust hose attached.

Fan speed is auto-selected.

**To set**: Press Mode until " " symbol appears, the select fan speed.

## Smart Mode



Automatically selects the appropriate mode based on room temperature.

**To set**: Press Mode until the " " symbol appears, then choose fan speed.

Unit will display:

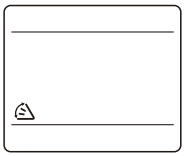
## Sleep Function


Gradually adjusts operation for night use.

**To set**: Select Cool or Heat mode, then press the Sleep button.

Adjusts temperature and fan speed for comfort and efficiency.

## Swing Function



Adjusts air flow direction.

**To set**: Choose operating mode, then press **Swing** to move deflectors.

## Temperature Unit Switch

Change temperature units while the appliance is running. Unit changes as in Fig1 and Fig2.

Fig1

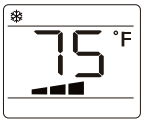


Fig2

## Setting the Timer

Used for delayed start-up or shutdown.

**To set**: Choose mode and temperature, press Timer twice, and adjust time as in Fig 3 and Fig4.

Fig. 3

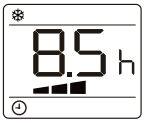
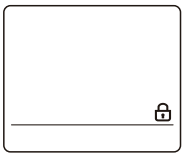


Fig. 4

## Child Lock Function

Prevents accidental operation by children.

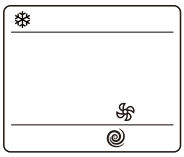
**To activate**: Hold down the ∧ and ∨ buttons for 3 seconds.



## Turbo Function

Rapidly cools the room in Cool mode.

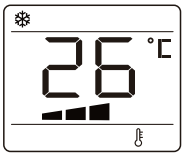
**To activate:** Press the Ξ|↻ button until turbo ( ) icon appears, then confirm this function by pressing again. Repeat these instructions to cancel function, or simply press either mode, incerase, or decrease buttons.



## Follow Me Function

Remote control acts as a thermostat allowing precise temperature control at its location.

**To activate**: Point towards the appliance and press press the Ξ|↻ button and then ∧ or ∨ button until flashes on the digital display. Repeat to deactivate.

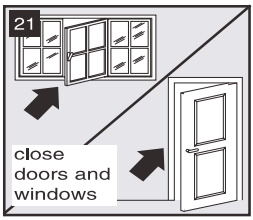


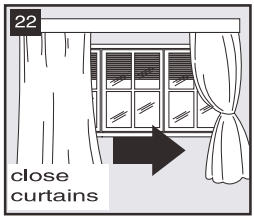

**Note** For each function, specific buttons on the remote are to be used, as indicated by symbols in the instructions.

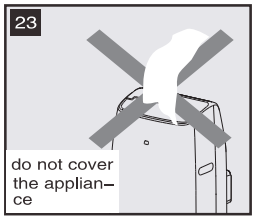
# TIPS FOR CORRECT USE

For the best performance from your air conditioning unit, consider the following recommendations:

- Close windows and doors in the room being air conditioned (see fig. 21). For semi-permanent installation, leave a door slightly ajar (about 1 cm) for proper ventilation.
- Minimize sun exposure by partially closing curtains or blinds, making the appliance more energy-efficient (refer to fig. 22).
- Avoid placing any objects on the appliance.
- Do not obstruct the air inlet or outlet. This can lead to reduced airflow, poor performance, and potential damage to the unit (see fig. 23).
- Ensure no heat sources are present in the room.
- Do not use the appliance in very damp areas, such as laundries.
- Never operate the appliance outdoors.
- Position the appliance on a level surface. Use castor locks under the front wheels if needed.




# WATER DRAINAGE METHOD

When there is excess water condensation inside the unit, the appliance stops running and shows "FL" (FULL TANK as mentioned in SELF-DIAGNOSE). This indicates that the water condensation needs to be drained using the following procedures:

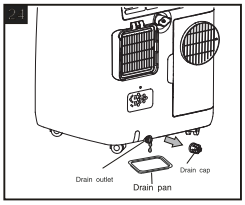
## Manual Draining (fig.24)

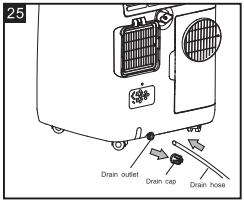
1. Unplug the unit from power source.
2. Place a pan (not supply) under the lower drain plug. See diagram.
3. Remove the lower drain plug.
4. Water will drain out and collect in the pan.
5. After the water is drained, replace the lower drain plug firmly.
6. Turn on the unit.

## Continuous Draining (fig.25)

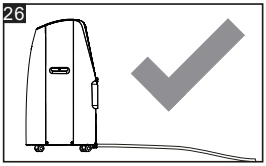
1. Unplug the unit from the power source.
2. Remove the drain plug. While doing this operation some residual water may spill so please have a pan (not supplied) to collect the water.

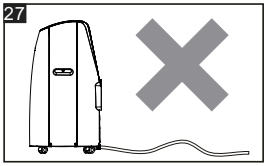
3. Connect the drain hose (1/2" or 12.7mm, possibly supplied). See diagram.
4. The water can be continuously drained through the hose into a floor drain or bucket.
5. Turn on the unit.




**NOTE:** Please be sure that the height of and section of the drain hose should not be higher than that of the drain outlet, or the water tank may not be drained. (fig.26 and fig.27)

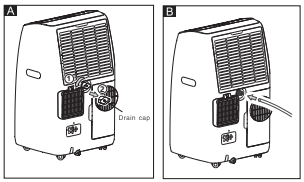



## Middle Drainage Method

For effective drainage while the unit is running in Dry mode, follow these steps:

1. Unplug the unit from the power source.
2. Take out the drain plug (refer to fig A). Be prepared with a pan to catch any residual water that may spill.
3. Attach a drain hose (1/2 inch or 12.7 mm, which may not be supplied with the unit) as shown in fig B.
4. Arrange for the water to be continuously drained through the hose into a floor drain or bucket.
5. Power the unit back on.



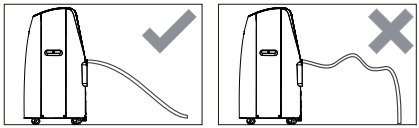



Fig.28

**Note**: Ensure the drain hose's height and section are not higher than the drain outlet of the unit to facilitate proper drainage (see fig. 28).

# CLEANING

Before cleaning or maintenance, turn the appliance off by pressing the ON/OFF button on the control panel or remote control, wait for a few minutes then unplug from the mains socket.

## CLEANING THE CABINET

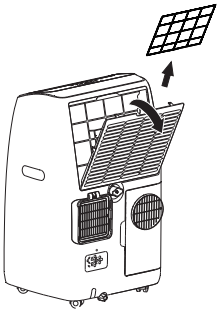
You should clean the appliance with a slightly damp cloth then dry with a dry cloth, may not used water to wash appliance.

- Never wash the appliance with water. It could be dangerous.
- Never use petrol, alcohol or solvents to clean the appliance.
- Never spray insecticide liquids or similar.

## CLEANING THE AIR FILTERS

To keep your appliance working efficiently, you should clean the filter every month of operation.

The evaporator filter can be taken out, shown in figure below.



To avoid possible cuts, avoid contacting the metal parts of the appliance when removing or re-installing the filter. It can result in the risk of personal injury.

Use a vacuum cleaner to remove dust accumulations from the filter. If it is very dirty, immerse in warm water and rinse a number of times. The water should never be hotter than 40°C (104°F). After washing, leave the filter to dry then attach the intake grille to the appliance.

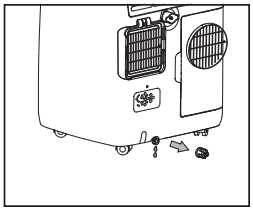
# START/END OF SEASON OPERATIONS

## Start of season operation

Make sure the power cable and plug are undamaged. Follow the installation instructions precisely.

## End of season operation

To empty the internal circuit completely of water, remove the cap.



Run off all water left into a basin. When all the water has been drained, put the cap back in place.

Clean the filter and dry thoroughly before putting back.

## Strictest operation environment:

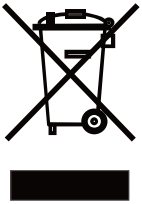
Cooling Mode: Indoors: 18°C-35°C (64°F-95°F), Outdoors: 10°C-43°C (50°F-109°F)

Heating Mode: Indoors: 10°C-25°C (50°F-77°F), Outdoors: 10°C-25°C (50°F-77°F)

# TROUBLESHOOTING

| Problem | Cause | Possible Solution |
|---|---|---|
| **The appliance does not come on** | There is no current<br>It is not plugged into the mains<br>The internal safety device has tripped | Wait<br>Plug into the mains<br>Wait 30 minutes, if the problem persists, contact your service center |
| **The appliance works for a short time only** | Here are bends in the air exhaust hose<br>Something is preventing the air from being<br>discharged | Position the air exhaust hose correctly, keeping it as short and free of curves as possible to avoid bottlenecks<br>Check and remove any obstacles obstructing air discharge |
| **The appliance works, but does not cool the room** | Windows, doors and/or curtains open | Close doors, windows and curtains, bearing in mind the "tips for correct use" given above |
| | There are heat sources in the room (oven, hairdryer, etc) | Eliminate the heat sources |
| | The air exhaust hose is detached from the appliance | Fit the air exhaust hose in the housing at the back of the appliance |
| | The technical specification of the appliance is not adequate for the room in which it is located | |
| **During operation, there is an unpleasant smell in the room** | Air filter clogged | Clean the filter as described above |

| | | |
|---|---|---|
| **The appliance does not operate for about three minutes after restarting it** | The internal compressor safety device prevents the appliance from being restarted until three minutes have elapsed since it was last turned off | Wait. This delay is part of normal operation |
| **The following message appears on the display:** | The appliance has a self diagnosis system to identify a number of malfunctions | See the SELF-DIAGNOSIS Chapter |

| | **Correct Disposal of this product** |
|---|---|
|  | This symbol on the product or in its packing indicates that this product may not be treated as household waste. Instead, it should be taken to the appropriate waste collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by the inappropriate waste handling of this product. For more detailed information about the recycling of this product, please contact your local council, your household waste disposal service, or the shop where you purchased the product. |

# CUSTOMER SUPPORT

Visit our website to contact us, find answers to Frequently Asked Questions, and for other resources which may include an updated version of this user's manual.

**www.impecca.com**

If you wish to contact us by phone, please be sure to have your model number and serial number ready and call us between 9:00am and 6:00pm ET, at +1 866-954-4440.

Keep tabs on Impecca's newest innovations and enter contests via our social network feeds:

www.facebook.com/Impecca/
www.instagram.com/impecca/
@impeccausa

# ONE-YEAR LIMITED APPLIANCE WARRANTY (US)

Impecca™ warrants this product against defects in material and workmanship to the original purchaser as specified below.

**PARTS AND LABOR– if the product is determined to have a manufacturing defect, within a period of one year from the date of the original purchase, Impecca™, at its own discretion, will repair or replace the product parts at no charge to you in the U.S.A.**

To obtain warranty service by an authorized Impecca™ service center, please email us at: service@impecca.com to obtain a Repair and Maintenance Authorization (RMA) number and received instructions on how the repair and/or replacement procedure will take place.

**Any glass materials included with the appliance will be covered for a period of 60 days from purchase.**

Impecca™ specifically excludes from this warranty any non-electric/mechanical attachments, accessories and disposable parts including but not limited to outside case, connecting cables, batteries and AC adapters. Impecca™ reserves the right to repair or replace defective products with the same, equivalent or newer models.

We reserve the right to either repair or replace product at our discretion. Replacement may be either new or refurbished and while every endeavor will be made to ensure it is the same model, if not possible it will be equal or higher specification.

Normal "Wear and Tear" is not covered by this warranty. Further, Impecca™ hereby reserves the right to determine "Wear and Tear" on any and all products. Tampering or opening the product casting or shell will void this warranty in its entirety.

Exclusions: This warranty does not cover the following:

1. Any product that has a defaced or covered serial number.
2. Products that have been transferred to a second owner.
3. Rust on the interior or exterior of the unit.
4. Products listed as "As-Is" or "Refurbished."
5. Food loss due to any product failure.
6. Window air conditioners installed in a wall.
7. The product if used in a commercial setting.
8. Service calls that do not involve product malfunction.
9. Service calls for a product ruined by not following the provided instructions.
10. Service calls to correct improper installation.
11. Costs associated with making the product accessible for servicing (including but not limited to removal of trim/molding/cabinetry, etc.)
12. Service calls to replace any consumables such as light bulbs, filters, etc.
13. Surcharges that may apply to service calls on weekends, nights, holidays. Damages to the finish of appliance or household furnishings due to installation of appliance.
14. Damages caused by any of the following: Acts of God; fires; misuse; accidents; incorrect power supply; service performed by unauthorized persons; use of non-genuine Impecca parts, etc.

ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO 1 YEAR FROM THE DATE OF THE ORIGINAL RETAIL PURCHASE OF THIS PRODUCT.

THESE WARRANTIES AND REMEDIES ARE THE SOLE AND EXCLUSIVE WARRANTIES AND REMEDIES IN CONNECTION WITH THE SALE AND USE OF THE PRODUCT. NO OTHER WARRANTIES, ORAL OR WRITTEN, EXPRESSED OR IMPLIED, ARE GIVEN.

IMPECCA™ IS NOT RESPONSIBLE OR LIABLE FOR ANY DAMAGE, WHETHER SPECIAL, INCIDENTAL, CONSEQUENTIAL, DIRECT OR OTHERWISE, OR WHETHER KNOWN OR SHOULD HAVE BEEN KNOWN TO IMPECCA™, INCLUDING LOST PROFITS, GOODWILL, AND PROPERTY AND PERSONAL INJURY RESULTING FROM ANY BREACH OF WARRANTY, THE INABILITY TO USE THE PRODUCT OR UNDER ANY LEGAL THEORY IN CONTRACT OR TORT. IMPECCA LIABILITY IS LIMITED TO THE ACTUAL PURCHASE PRICE PAID TO THE RETAIL SELLER OF THE DEFECTIVE PRODUCT.

No Impecca™ dealer, agent or employee is authorized to make any modification, extension, change or amendment to this warranty without the written consent and authorization from Impecca™.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, or do not allow a limitation on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you have other rights, which vary from state to state.

*Note: Our Warranty center services only to Continental U.S.A.*

# NOTES