

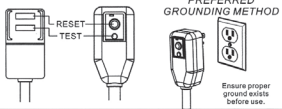
VISSANI™

Portable Air Conditioner

8 1 4 1 0 0 8 2 4

Please read this manual carefully before operating your unit and retain for future reference.

IMPORTANT SAFETY INSTRUCTIONS
Before installing and using your air conditioner, please read this owner's manual carefully. Store this manual in a safe place for future reference. Your safety and the safety of others is very important to us.
Please pay attention to all safety messages outlined in this owner's manual.
WARNING: To reduce the risk of fire, electrical shock or injury when using your air conditioner, follow the following basic precautions:
ELECTRICAL REQUIREMENTS
The electrical ratings for your air conditioner are listed on the model and serial number label located on the front right side of the unit (when facing the front).

WARNING	Specific electrical requirements are shown in the diagram below. Follow the requirements below for the type of plug on the power supply cord.	
Electrical Shock Hazard	Wiring Requirements	Power Supply Cord
Plug into a grounded 3 prong outlet. Do not remove the ground prong. Do not use an adapter. Do not use an extension cord. Failure to follow these instructions can result in death, fire, or electrical shock.	60Hz, 115V AC outlet protected by a 15 amp time delay fuse or circuit breaker.	

RECOMMENDED GROUND METHOD
For your personal safety, this air conditioner must be grounded. This air conditioner is equipped with a 3 prong power supply cord with a grounded plug. To minimize the possibility of electrical shock, the cord must be plugged into a 3 prong outlet and grounded in accordance with all local codes and ordinances. If a 3 prong outlet is not available, it is the customer's responsibility to have a properly grounded 3 prong outlet installed by a qualified electrician.

INSTALLATION MANUAL---Important considerations

When compared with other refrigerants, R32 is more environmentally friendly. Please use this product as instructed. This refrigerant is flammable and may combust under certain conditions, however when this product is used as directed these risks are significantly reduced. Always consult with a trained professional when maintaining or repairing an air conditioner.

Warning

- Please read the manual before installing, using, or conducting maintenance.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- Be aware that refrigerants may not contain an odor.
- Do not pierce or burn the appliance.
- The appliance shall be stored in a room without continuously operating sources (for example: open flames, an operating ignition gas appliance or an operating electric heater).
- Please contact a service center when maintenance is necessary. At the time of maintenance, the maintenance personnel must strictly comply with the Operation.
- Manual provided by the corresponding manufacturer and any non-professional is prohibited to maintain the air conditioner.
- It is necessary to comply with the provisions of gas-related federal, state, and local laws and regulations.
- It is necessary to clear away the refrigerant in the system when maintaining or recycling an air conditioner by a trained professional.



Warning: flammable & Dangerous



Read the user manual



Read the installation manual



Read the service manual

Important Considerations

- **The air conditioner you buy must be installed by professional personnel** and the "Installation manual" is used only for the professional installation personnel!
- The installation specifications should be subject to our after-sale service regulations.
- When filling the flammable refrigerant, please use caution to avoid serious injury.
- A leak test must be done after the installation is completed.
- It is a must to perform the safety inspection before maintaining or repairing an air conditioner using flammable refrigerant in order to ensure that the fire risk is reduced to a minimum.
- Requirements for the total weight of filled refrigerant and the area of a room to be equipped with an air conditioner. (are shown as in the following Tables GG.1 and GG.2)



The maximum charge and the required minimum floor area
m1 = (4 m3) x LFL , m2 = (26 m3)) x LFL, m3 = (130 m3)x LFL
Where LFL is the lower flammable limit in kg/ m3,R290 LFL is 0.038 kg/ m3,R32 LFL is 0.038 kg/ m3.
For the appliances with a charge amount m1 < M = m2:
The maximum charge in a room shall be in accordance with the following:mmax= 2.5 x (LFL)(5/4) x h0 x (A)1/2
The required minimum floor area Amin to install an appliance with refrigerant charge M (kg) shall be in accordance with following: Amin = (M/ (2.5 x (LFL)(5/4) x h0)) 2
Where:
mmax is the allowable maximum charge in a room, in kg;
M is the refrigerant charge amount in appliance, in kg;
Amin is the required minimum room area, in m2;
A is the room area, in m2;
LFL is the lower flammable limit, in kg/m3;
h0 is the installation height of the appliance,in meters for calculating mmax or Amin, 1.8 m for wall mounted;

Table GG.1 - Maximum charge (kg)								
Category	LFL (kg/m ₃)	h ₀ (m)	Floor area (m ₂)					
			4	7	10	15	20	30
R32	0,306	0,6	0,68	0,9	1,08	0,32	1,53	1,87
		1	1,14	1,51	1,8	2,2	2,54	3,12
		1,8	2,05	2,71	3,24	3,97	4,58	5,61
		2,2	2,5	3,31	3,96	4,85	5,6	6,86

Table GG.2 - Minimum room area (m2)								
Category	LFL (kg/m ₃)	h ₀ (m)	Charge amount (M) (kg) Minimum room area (m2)					
			1,224 kg	1,836 kg	2,448 kg	3,672 kg	4,896 kg	6,12 kg
R32	0,306	0,6		29	51	116	206	321
		1		10	19	42	74	116
		1,8		3	6	13	23	36
		2,2		2	4	0	15	24

Installation Safety Principles

1. Site Safety

Open Flames Prohibited



Ventilation Necessary



2. Operation Safety

Mind Static Electricity



Open Flames Prohibited

Must wear protective clothing and anti-static gloves



Don't use mobile phone



3. Installation Safety

- Refrigerant Leak Detector
- Appropriate Installation Location



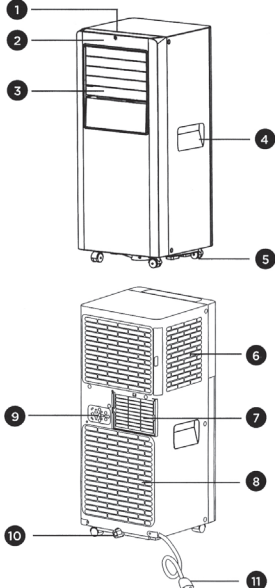
The left picture is the schematic diagram of a refrigerant leak detector.

- Please note that:**
1. The installation site should be in a well-ventilated area.
 2. The sites for installing and maintaining an air conditioner using Refrigerant R32 should be free from open fire or welding, smoking, drying oven or any other heat source higher than 548°C which easily produces open fire.
 3. When installing an air conditioner, it is necessary to take appropriate anti-static measures such as wear anti-static clothing and/or gloves.
 4. Installation or maintenance location should not be surrounded by obstacles or close to any heat source, flammable, and/or explosive areas or objects.
 5. If the product suers refrigerant leak during the installation, all personnel should go out till the refrigerant leaks completely for 15 minutes. If the product is damaged, a professional must carry such damages product back to the maintenance station. It is prohibited to weld the refrigerant pipe or conduct other operations on the contaminated site.
 6. The air conditioner unit needs to sit on a flat even surface.
 7. It is necessary to avoid the places where there are other electrical products, power switch plugs and sockets, kitchen cabinet, bed, sofa and other valuables directly under the lines on two sides of the indoor unit.
 8. Any ventilation openings of unit should be free from obstructions.

What's in the Box

NO.	APPEARANCE	PART NAME
1		Exhaust Hose Hose Outlet Hose Inlet
2		Window Slider Kit
3		Remote Control (Batteries not included)
4		Foam Insulation
5		Drain Hose

 ***Open the deflector before using the appliance.**



NO.	COMPONENT DESCRIPTION
1	Control Panel
2	Remote Control Receiver
3	Deflector
4	Handle (both sides)
5	Wheels
6	Intake Grille
7	Air Outlet Grille
8	Intake Grille
9	Plug Fixer
10	Condenser Drain
11	Power Cable

Note: Illustrations in this manual are for explanatory purposes only. Product design and aesthetics may vary.

NOTE: Accessory type and quantity may vary depending on the model.

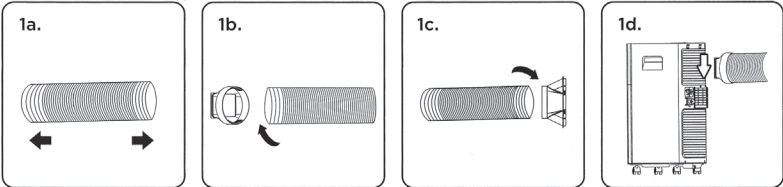
Let's Get Started!

Installation & Assembly Instructions

Note: Your unit must be placed on a solid, flat, and level foundation. Only role on smooth, flat surfaces. Use caution when rolling on carpet and take measures to protect rolling on wooden floors. Do not try to roll over objects.

Step 1: Assemble and Attach the Exhaust Hose

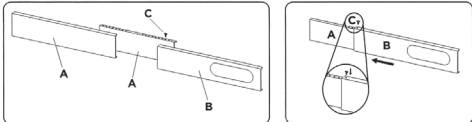
- Extend both sides of the hose. (Fig. 1a)
- Screw on the hose inlet, turn at least 3 full circles. (Fig. 1b)
- Screw on the hose outlet, turn at least 3 full circles. (Fig. 1c)
- Attach the exhaust hose by sliding the hose inlet from the top down into the air outlet grille. (Fig. 1d)



Step 2: Window Slider Kit Installation

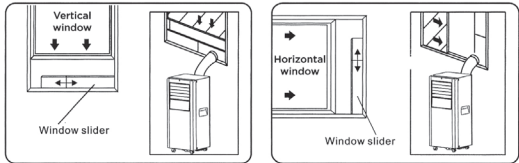
Parts Needed:

- A. Panel
- B. Panel with one hole
- C. Screw



Assembly

1. Slide Panel A into Panel B and adjust to window width (use second Panel A if necessary). When sizing the window width, be sure that the window kit assembly is free from gaps when taking measurements. If necessary, cut Panel B down to size. Cut on the side opposite the hole.
2. Lock the screws into the holes that correspond with the width that your window requires to ensure that there are no gaps.
3. Use the provided foam seal to fill in any gaps.



4. Attach the hose outlet to the window slider kit.

(Illustrations may differ from actual product. We are constantly striving to improve our products; therefore the specifications contained herein are subject to change without notice.)
(The images shown in this manual are for illustrative purposes only and may be subject to change.)

How to Control Your AC
All the basics you need to know to stay cool!

Control panel

The control panel is on the top of the appliance and enables you to control it without the remote control.

Control panel and remote control interface with icons for Timer, Fan Speed, Mode, and On/Off buttons.

- Note: Do not drop or expose the remote to direct sunlight or sources of heat. If the remote does not work, try replacing the batteries. (Batteries not included) Do not mix old and new batteries.
- If the remote control unit is replaced or disposed of the batteries must be removed and discarded in accordance with current legislation as they are harmful to the environment.
- Do not dispose of batteries in fire. Batteries may explode or leak.
- If the remote control is not used for a certain length of time, remove the batteries.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc) batteries.

*Actual coverage may vary based on room size and configuration (ceiling height, number of windows, and other varying conditions) and environmental factors such as number of occupants, home insulation, etc.

- 1. Power button - press the [On/Off] on the control panel or the remote control to turn the air conditioner on and off. Never turn the appliance off by unplugging from the power source. Always press the Power button, then wait for a few minutes before unplugging. This allows the appliance to perform a proper shutdown.
- 2. Cool Mode - press the [Cool] on the control panel or [Cool] on the remote until the Cool mode is lit. Select the target temperature 18°C - 32°C (64°F -90°F) by pressing the [Up] or [Down] button until the corresponding value is displayed. Select the required fan speed by pressing the fan speed button.

The most suitable temperature for the room during the summer varies from 75°F- 81°F (24°C- 27°C). You are recommended, however, not to set a temperature much below the outdoor temperature. The fan speed difference is more noticeable when the appliance is under FAN mode but may not be noticeable under COOL mode.

- 3. Dry Mode - press the [Dry] on the control panel or [Dry] on the remote until the Dry symbol appears, "dh" will appear on the display. In this model, the default fan speed is low, and cannot be selected.
- 4. Fan Mode - press the [Fan] on the control panel or [Fan] on the remote until the Fan symbol appears. You can then select you desired fan speed, either High [F2] or Low [F1].
- 5. Sleep Mode - this function is useful for the night as it gradually reduces operation of the appliance. To set this function correctly:
 - Select the cool or heat mode as described above.
 - Press the [Sleep] button, and the [Sleep] symbol appears.
 - When you choose the sleep function, the screen will reduce the brightness, and the fan speed is low.

The SLEEP function maintains the room at optimum temperature without excessive fluctuations in either temperature or humidity with silent operation. Fan speed is always at Low, while room temperature and humidity vary gradually to ensure the most comfortable. When in COOL mode, the selected temperature will increase by 1°F(1°C) per hour in a 2 hour period. This new temperature will be maintained for the next 6 hours. Then the appliance turn it off. The SLEEP function can be canceled at any time during operation by pressing the "Sleep", "Mode" or "fan speed" button. In DRY mode, SLEEP function is still available.

- 6. Clean Filter - To ensure proper maintenance, care, and performance, it is recommended that the filter is cleaned monthly or more frequently depending on need. Clean the filter with warm, soapy water. Dry thoroughly before replacing the filter. Once the filter is completely dry, place the filter back in the unit. For cleaning the outside of your product, only use mild liquid dish washing detergents and warm water. Be sure the cloth being used is only slightly damp (no oil residue permitted). Disconnect the unit from any power source before you start cleaning.

Diagram showing the location of the air filter and instructions for cleaning and replacement.

Setting the Timer using the control panel or remote control

Programming Start Up -

- Turn on the appliance, choose the mode you want, for example cool, 72°F, high fan speed.
- Turn off the appliance.
- Press the Timer button, the Timer symbol on the screen will display 1-24 hours
- Press "[Up] / [Down]" until the corresponding time is displayed.
- Wait about 5 seconds for the timer to activate, then the Timer indicator will be displayed on the screen.
- Press the Timer button again to cancel the timer and the Timer symbol will disappear.

Programming Shut Off -

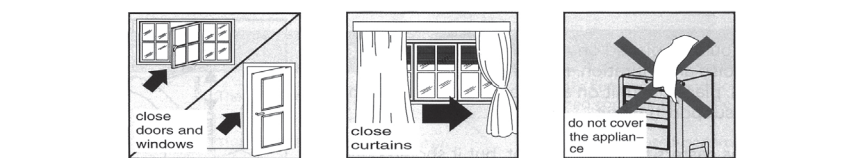
- When the appliance is running, press the [Sleep] button and the [Sleep] screen will display 1-24 hours.
- Press "[Up] / [Down]" until the corresponding time is displayed.
- Wait about 5 seconds for the timer to activate, then the Timer indicator will be displayed on the screen.
- Press the Timer button again to cancel the timer and the Timer symbol will disappear.

*Only use when you are in proximity of the unit to ensure proper function.

TIPS FOR CORRECT USE

To get the best performance from your appliance, follow these recommendations:

- Close the windows and doors in the room to be air conditioned (Fig. 1). When installing the appliance semi-permanently, you should leave a door slightly open (as little as 1/2") to guarantee correct ventilation.
- Protect the room from direct exposure to the sun by partially closing curtains and/or blinds to make the appliance much more economical to run (Fig. 2).
- Never rest objects of any kind on the appliance.
- Do not block the air inlet or outlet of the appliance.
- Reduced air flow will result in poor performance and could damage the unit (Fig. 3).
- Make sure there are no heat sources in the room.
- Never use the appliance in very damp rooms (bathroom for example).
- Never use the appliance outdoors.
- Make sure the appliance is standing on a level surface.

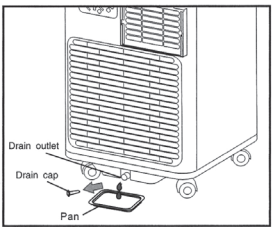


Water drainage method

When there is excess water condensation inside the unit, the appliance stops running and shows "Ft". This indicates that the water condensation needs to be drained using the following procedures:

Manual Draining

- 1. Power off and unplug the unit from power source.
- 2. Place a pan under the lower drain plug.
- 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 drainage

While using the unit in dry mode, continuous drainage is recommended.

- 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 to collect the water.
- 3. Connect the drain hose (1/2" or 12.7mm, maybe not supplied). See diagram.
- 4. The water can be continuously drained through the hose into a floor drain or bucket.
- 5. Turn on the unit.

Diagrams showing correct and incorrect drain hose installation. Correct: drain hose connected to a floor drain. Incorrect: drain hose connected to a wall or ceiling.

Location

- The unit should be placed on a firm foundation to minimize noise and vibration. For safe and secure positioning, place the unit on a smooth, level floor strong enough to support the unit.
- The unit has casters to aid placement, but it should only be rolled on smooth, flat surfaces. Use caution when rolling on carpeted surfaces. Use caution and Protect floors when rolling over wood floors. Do not attempt to roll the unit over objects.
- The unit must be placed within reach of a properly rated grounded socket.
- Never place any obstacles around the air inlet or outlet of the unit.
- Allow at least 18" (45cm) of around and above space away from the wall for efficient working.
- The hose can be extended, but it is the best to keep the length to minimum required. Also make sure that the hose does not have any sharp bends or sags.

(The images shown in this manual are for illustrative purposes only and may be subject to change.)

IF DISPLAYED		WHAT SHOULD I DO?
PF	Probe Failure (sensor malfunction)	If this is displayed, contact a service center.
Ft	Full Tank (condensation reservoir full)	Empty the internal safety tank, following the instructions in the "End of season operations" paragraph.

Troubleshooting

Having trouble completing installation? Don't worry, it's usually an easy fix.

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Air Conditioner will not start	The air conditioner is unplugged	• Make sure the air conditioner plug is pushed completely into the outlet
	The fuse is blown/circuit breaker is tripped	• Check the house fuse/circuit breaker box and replace the fuse or reset the breaker
	Power Failure	• The unit will automatically re-start when power is restored • There is a protective time delay (approx. 3 minutes) to prevent damage to the compressor. For this reason, the unit may not start normal cooling for 3 minutes after it is turned back on.
	The current interrupter device is tripped	• Press the RESET button located on the power cord plug • If the RESET button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician
Air Conditioner does not cool as it should	Airflow is restricted	• Change to make sure there are no curtain, blinds, or furniture blocking the air intakes of the air conditioner
	The temperature control may not be set correctly	• Lower the set thermostat temperature
	The air filter is dirty	• Clean the filter. See the Cleaning and Care Section of the manual
	The room may be too warm	• Please allow time for the room to cool down after turning on the air conditioner
	Cold air is escaping	• Check for open furnace registers and cold air returns
	The Cooling Coils are frozen	• See "Air Conditioner Freezing Up" below
Air Conditioner is freezing up	Ice blocks the air flow and stops the air conditioner from cooling the room	• Set the MODE to HIGH FAN or HIGH COOL and set the thermostat to a higher temperature
Remote Control is not working	The batteries are inserted incorrectly	• Check the position of the batteries
	The batteries may be dead	• Replace the batteries
Digital display reads "Ft"	The tank is full.	• The drain cap must be removed from the rear of the appliance and the tank will need to be drained.