

PST

PST350

INSTALLATION MANUAL



PORTABLE AIR CONDITIONER

Cooling capacity 3,50kW

Heating capacity 2,90kW



Dear Customer,

Thank you for wanting to learn about a product Aermec. This product is the result of many years of experience and in-depth engineering research, and it is built using top quality materials and advanced technologies.

The manual you are about to read is meant to present the product and help you select the unit that best meets the needs of your system.

However, please note that for a more accurate selection, you can also use the Magellano selection program, available on our website.

Aermec, always attentive to the continuous changes in the market and its regulations, reserves the right to make all the changes deemed necessary for improving the product, including technical data.

Thank you again.

Aermec S.p.A.

COMPANY CERTIFICATIONS



SAFETY CERTIFICATIONS



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1 GENERAL WARNINGS

Read the instruction manual carefully before using the unit

This symbol indicates that the failure to observe the instructions may cause damage or severe injuries.

The seriousness of potential damage or injuries is classified as either a **WARNING**, **CAUTION**, **PROHIBITION** or **NOTICE**.

WARNING



The signal word indicates a hazard with a medium level of risk which, if not avoided, may result in death or serious injury.

CAUTION



The signal word indicates a hazard with a low degree of risk which, if not avoided, may result in minor or moderate injury.

PROHIBITION



Indicates a prohibited action which, if not avoided, could result in death or serious injury.

NOTICE



IMPORTANT additional information on how to use the product

Read these operating instructions carefully and attentively before using/commissioning the unit and keep them for later use!

WARNING



This product should not be used by children younger than 8 years of age, or by older people who do not have adequate physical, mental or motor capacity, or without specific experience in using the product. Users should be familiar with how to use the product safely, and should be informed on the risks and damages related to an incorrect use. Children should never treat the product as a toy. Children should never clean or perform maintenance on the product.

1.1 WARNINGS FOR PRODUCT USE

WARNING



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



Installation must be performed according to the installation instructions. Using non-standard parts can cause water leakage, electrical shock, fire.



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



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



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



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



The appliance with electric heater shall have at least 1 meter space to the combustible materials.



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



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



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



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



The unit's circuit board (PCB) is designed with a fuse to provide overcurrent protection. The specifications of the fuse are printed on the circuit board, such as: T 3.15A/250V, etc.



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



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

PROHIBITION



Do not modify the length of the power cord or use an extension cord to power the unit.



Do not share a single outlet with other electrical appliances. Improper power supply can cause fire or electrical shock.



Do not install your air conditioner in a wet room such as a bathroom or laundry room. Too much exposure to water can cause electrical components to short circuit.



Do not install the unit in a location that may be exposed to combustible gas, as this could cause fire. The unit has wheels to facilitate moving. Make sure not to use the wheels on thick carpet or to roll over objects, as these could cause tipping.



Do not operate a unit that it has been dropped or damaged.



Do not touch the unit with wet or damp hands or when barefoot.

CAUTION



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



If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



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



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



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



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



Contact the authorised installer for installation of this unit.



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



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



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



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



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



Turn off the product when not in use.

PROHIBITION



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



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



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



Do not cover or obstruct the inlet or outlet grilles.



Do not use this product for functions other than those described in this instruction manual.



Do not press the buttons on the control panel with anything other than your fingers.



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



Do not operate or stop the unit by inserting or pulling out the power cord plug.



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

1.2 CLEANING AND MAINTENANCE WARNINGS

WARNING



Turn off the device and disconnect the power before cleaning. Failure to do so can cause electrical shock.

PROHIBITION



Do not clean the air conditioner with excessive amounts of water.

1.3 CLEANING AND MAINTENANCE WARNINGS

PROHIBITION



Do not clean the air conditioner with combustible cleaning agents. Combustible cleaning agents can cause fire or deformation.



Do not operate the air conditioner with wet hands. This may cause electric shock.



Do not use device for any other purpose than its intended use.



Do not allow the air conditioner to operate for long periods of time with doors or windows open, or if the humidity is very high.

WARNINGS



Turn off the air conditioner and disconnect the power if you are not going to use it for a long time.



Turn off and unplug the unit during storms.



Make sure that water condensation can drain unhindered from the unit.

1.4 ELECTRICAL WARNINGS

WARNINGS



Only use the specified power cord. If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



Keep power plug clean. Remove any dust or grime that accumulates on or around the plug. Dirty plugs can cause fire or electric shock.

PROHIBITION



Do not pull power cord to unplug unit. Hold the plug firmly and pull it from the outlet. Pulling directly on the cord can damage it, which can lead to fire or electric shock.



Do not use extension cords or temporary adapters for feeding the product. These devices, if not properly used, can cause sparks, electric shocks or fire.



Do not share the electrical outlet with other appliances. Improper or insufficient power supply can cause fire or electrical shock.

CAUTION



The product must be properly grounded at the time of installation, or electrical shock may occur.



The wiring must be performed by professional technicians in accordance with national wiring regulations and this circuit diagram.



Use an independent power circuit entirely dedicated to the product. Do not connect other equipment to the same power line. Incorrect electrical connections or insufficient voltage may cause shocks or fires.



All electrical component interventions must be performed with recommended type cables. Connect and secure cables securely per evitare che forze esterne possano danneggiare i terminali a vite..



Improper electrical connections can overheat and cause fire, and may also cause shock.



All electrical connections must be made according to the Electrical Connection Diagram located on the panels of the indoor and outdoor units.



All wiring must be properly arranged to ensure that the control board cover can close properly. If the control board cover is not closed properly, it can lead to corrosion and cause the connection points on the terminal to heat up, catch fire, or cause electrical shock.



If connecting power to fixed wiring, an all-pole disconnection device which has at least 3mm clearances in all poles, and have a leakage current that may exceed 10mA, the residual current device(RCD) having a rated residual operating current not exceeding 30mA, and disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.

1.4.1 Take note of fuse specifications

The air conditioner's circuit board (PCB) is designed with a fuse to provide overcurrent protection.

The specifications of the fuse are printed on the circuit board.

1.5 WARNINGS FOR THE INSTALLATION

WARNINGS



Installation must be performed by an authorized dealer or specialist. Defective installation can cause water leakage, electrical shock, or fire.



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



Contact an authorized service provider for repair or maintenance of this unit. The appliance shall be installed in accordance with national wiring regulation.



Installation must be performed according to the installation instructions. Using non-standard parts can cause water leakage, electrical shock, fire, and can cause the unit to fail.



Install the unit in a firm location that can support the unit's weight. If the chosen location cannot support the unit's weight, or the installation is not done properly, the unit may fall and cause serious injury and damage.



Install drainage piping according to the instructions in this manual. Improper drainage may cause water damage to your home and property.



When moving or relocating the air conditioner, consult experienced service technicians for disconnection and reinstallation of the unit.



To install the appliance, read the information for details in the section 6 Installation p. 23 and following.

PROHIBITION



Do not install the unit within 1 meter of any combustible materials.



Do not install the unit in a location that may be exposed to combustible gas leaks. If combustible gas accumulates around the unit, it may cause fire.



Do not connect to power until all installation work is completed.

1.6 NOTE ABOUT FLUORINATED GASSES

NOTICE



This air-conditioning unit contains fluorinated green house gasses. For specific information on the type of gas and the amount, please refer to the relevant label on the unit.



Installation, service, maintenance and repair of this unit must be performed by a certified technician.



Product uninstallation and recycling must be performed by a certified technician with current regulations.



When the unit is checked for leaks, proper record-keeping of all checks is strongly recommended.

1.7 WARNING FOR USING R32/R290 REFRIGERANT

NOTICE



Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.



The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).



Do not pierce or burn.



Be aware that the refrigerants may not contain an odour.



Appliance should be installed, operated and stored in a room with a floor area according to the amount of refrigerant to be charged.

For specific information on the type of gas and the amount, please refer to the relevant label on the unit itself.

When there are differences between the lable and the manual on the Min. room area description, the description on label shall prevail.

Refrigerant amount (kg)	Minimum room area (m ²)	Refrigerant amount (kg)	Minimum room area (m ²)
≤0.0836	4	>0.1881 and ≤0.2090	10
>0.0836 and ≤0.1045	5	>0.2090 and ≤0.2299	11
>0.1045 and ≤0.1254	6	>0.2299 and ≤0.2508	12
>0.1254 and ≤0.1463	7	>0.2508 and ≤0.2717	13
>0.1463 and ≤0.1672	8	>0.2717 and ≤0.2926	14
>0.1672 and ≤0.1881	9	>0.2926 and ≤0.3040	15

CAUTION



Compliance with national gas regulations shall be observed.



Keep ventilation openings clear of obstruction.



The appliance shall be stored so as to prevent mechanical damage from occurring.



The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrig-

erants safely in accordance with an industry recognised assessment specification.



Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.



Please follow the instruction carefully to handle, install, clear, service the air conditioner to avoid any damage or hazard. When maintaining or disposing the air conditioner, the refrigerant (R290) shall be recovered properly, shall not discharge to air directly.



No any open fire or device like switch which may generate spark/arcing shall be around air conditioner to avoid causing ignition of the flammable refrigerant used.



Please follow the instruction carefully to store or maintain the air conditioner to prevent mechanical damage from occurring.



Please follow the instruction carefully to avoid any hazard. For specific information on the type of gas and the amount, please to the relevant label on the unit itself.



The appliance shall be stored in a room without continuously operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric heater).

WARNING



Do not use means to accelerate the defrosting process or cleaning 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.



ATTENTION: Be aware that refrigerants may not contain an odour.



CAUTION



Caution: Risk of fire/flammable materials.

Explanation of symbols displayed on the unit



ATTENTION: This symbol shows that the operation manual should be read carefully.



ATTENTION: This symbol shows that information is available such as the operating manual or installation manual.



ATTENTION: This symbol shows that a service personnel should be handling this equipment with reference to the installation manual.



WARNING: This symbol shows that this appliance used a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.

1. **Transport of equipment containing flammable refrigerants:** see transport regulations
2. **Marking of equipment using signs:** see local regulations
3. **Disposal of equipment using flammable refrigerants:** see national regulations.
4. **Storage of equipment/appliances:** the storage of equipment should be in accordance with the manufacturer's instructions.
5. **Storage of packed (unsold) equipment:** storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge. The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.
6. **Information on Servicing:**
 - a. **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 minimized. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.
 - b. **Work procedure:** Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapour being present while the work is being performed.
 - c. **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.

1.8 INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

CAUTION



Disposing of this appliance in the forest or other natural surroundings endangers your health and is bad for the environment. Hazardous substances may leak into the ground water and enter the food chain.

1.9 DISCLAIMER

Aermec S.p.A. does not assume any responsibility for damages to the unit or warranty loss in case:

1. The unit is used improperly.
2. Attempts to modify, alter or repair the unit were made without following the previously mentioned instructions.
3. The unit that could have suffered from damages during transport, has not been checked.
4. The unit is operated / repaired without following the previously mentioned instructions.
5. Spare parts from third-party manufacturers are used.
6. Occurrence of natural disasters, force majeure or hostile environments.
7. The unit is damaged by corrosive gases in the environment.

2 PRODUCT IDENTIFICATION

2.1 SAMPLE LABEL

Placed on the packaging, displays the data identifying the product.

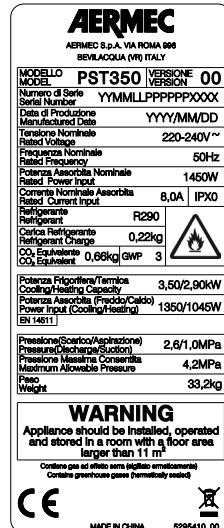
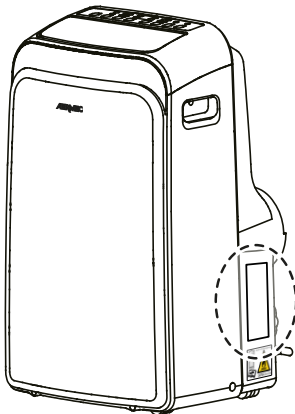
Example of packaging and positioning of label:



2.2 TECHNICAL PLATE

La targhetta tecnica, posta sull'unità riporta i dati tecnici e identificativi del prodotto.

Example of outdoor unit and positioning of the characteristics plate:



3 MAIN PARTS AND FUNCTIONS

3.1 MAIN PARTS

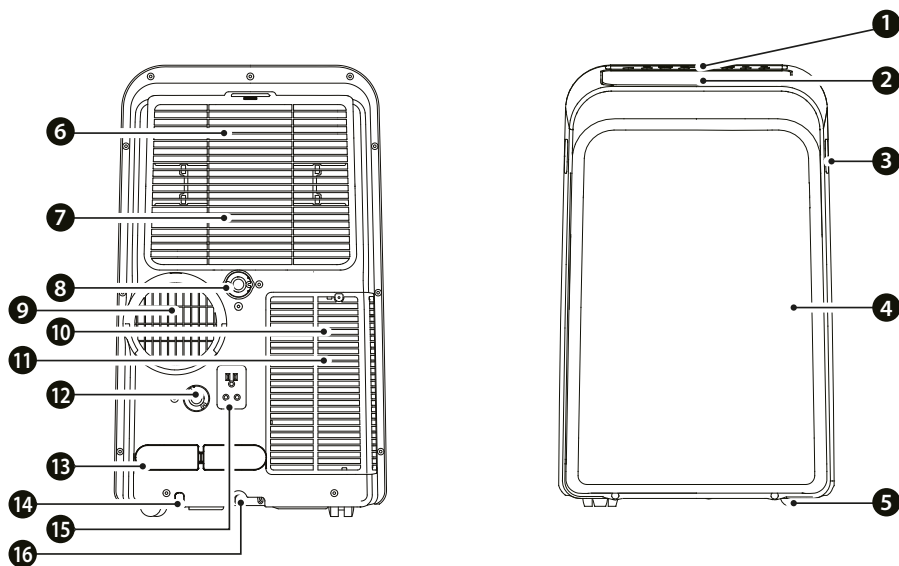
NOTICE



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



The unit can be controlled by the unit control panel alone or with the remote controller.



Front view

- 1 Control panel
- 2 horizontal louver blade (swing automatically)
- 3 Handle (right/left)
- 4 Frontal panel
- 5 Castors

Rear view

- 6 upper air filter (behind the grille)
- 7 Upper air intake
- 8 Condensate drainage

- 9 Air outlet

- 10 Lower air filter
- 11 Lower air intake
- 12 Drain outlet (pump side)
- 13 Power cord buckle
- 14 Housing for Schuko plug during periods of inactivity
- 15 Power plug socket
- 16 Bottom tray drain outlet

NOTICE



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

3.2 OPERATING LIMITS

When your air conditioner is used outside of the following temperature ranges, certain safety protection features may activate and cause the unit to disable.

	Mode	Temperature Range
COOLING		17°C - 35°C
HEATING		5°C - 30°C
DRY		13°C - 35°C

■ *Room relative humidity less than 80%. If the air conditioner operates in excess of this figure, the surface of the air conditioner may attract condensation.*

To further optimize the performance of your unit, do the following:

- Keep doors and windows closed.
- Limit energy usage by using TIMER ON and TIMER OFF functions.
- Do not block air inlets or outlets.
- Regularly inspect and clean air filters.

4 TECHNICAL DATA

4.1 PERFORMANCE SPECIFICATIONS

		PST350
Nominal cooling performances		
Cooling capacity	kW	3,50
Nominal heating performances		
Heating capacity	kW	2,90

Rating data Cooling (EN 14511 e EN 14825) Ambient air temperature 35°C d.b. / 24°C w.b. - Max speed

Rating data Heating (EN 14511 e EN 14825) Ambient air temperature 20°C d.b./ 12°C w.b. - Max speed

4.2 GENERAL DATA

		PST350
Electric data		
Rated power input	W	1.450
Rated current input	A	8,0
Power supply		
Power supply	V/Ph/Hz	220-240V ~ 50Hz
Outer side		
Condensate discharge diameter	mm	13,5
Power supply cable		
Type of power supply cable	Type	3G1,5 mm ² /L= 2,3 m/Schuko plug

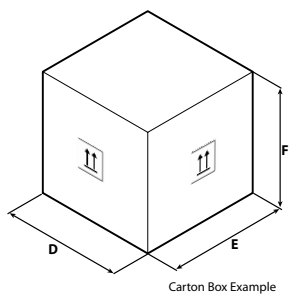
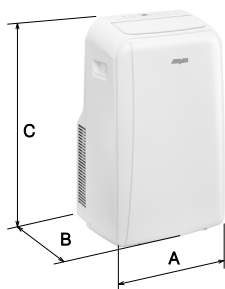
The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN-60335-1 and EN-60335-2-40.

4.3 UNIT DATA

		PST350
Compressor		
Type	type	Rotary
Fan		
Type	type	Centrifugal
Air flow rate		
Minimum	m ³ /h	355
Average	m ³ /h	370
Maximum	m ³ /h	420
Local air conditioner (portable)		
Sound power level	dB(A)	-
Flexible pipe		
Minimum length	mm	330
Maximum length	mm	1.450
Size (out)	∅	155

Sound Power: measured in reverberation room at a distance of 1,5 - in accordance with EN12102.

5 DIMENSIONS AND WEIGHTS



PST350		
Dimensions and weights		
A	mm	467
B	mm	397
C	mm	765
D	mm	512
E	mm	442
F	mm	880
Net weight	kg	33,2
Weight for transport	kg	37,0

6 INSTALLATION

6.1 EXHAUST HOSE INSTALLATION

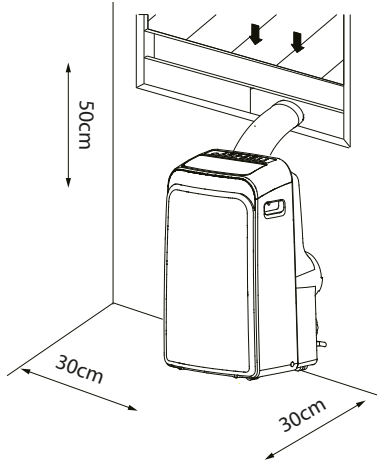
The exhaust hose and adaptor must be installed or removed in accordance with the usage mode.

- For COOL, HEAT or AUTO mode must be installed exhaust hose.
- For FAN or DRY mode must be removed exhaust hose.

6.2 CHOOSING THE INSTALLATION AREA

Your installation location should meet the following requirements:

- Make sure that you install your unit on an even surface to minimize noise and vibration.
- The unit must be installed near a grounded plug, and the Collection Tray Drain (found on the back of the unit) must be accessible.
- The unit should be located at least 30cm from the nearest wall to ensure proper air conditioning. The horizontal louver blade should be at least 50cm away from obstacles.

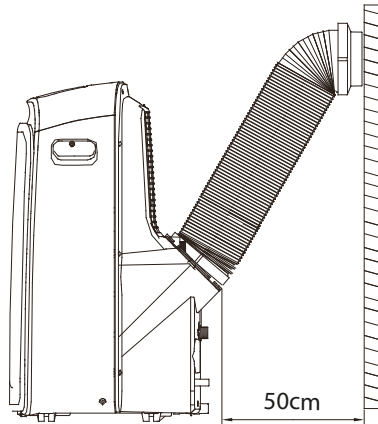


PROHIBITION



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

6.3 RECOMMEND INSTALLATION



6.4 ENERGY RATING INFORMATION

The energy rating and noise information for this unit is based on the standard installation using an un-extended exhaust duct (Diameter:150mm, Length:1.5m) without window slider adaptor or wall exhaust adaptor.

6.5 PURCHASING GUIDE

The right air conditioner helps you cool a room efficiently.

An undersized unit won't cool adequately while one that's too large will not remove enough humidity, leaving the air feeling damp.

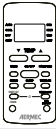






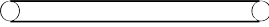



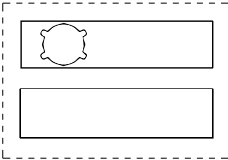


To find the proper air conditioner, determine the square footage of the room you want to cool by multiplying the room length by its width.

Be sure to "size up" if your portable air conditioner will be placed in a very sunny room, in a kitchen, or in a room with high ceilings.

6.6 TOOLS NEEDED

- Medium Philips screwdriver
- Tape measure or ruler
- Knife or scissors
- Saw (On some models, to shorten window adaptor for narrow windows)

6.7 MATERIAL STANDARD SUPPLIED

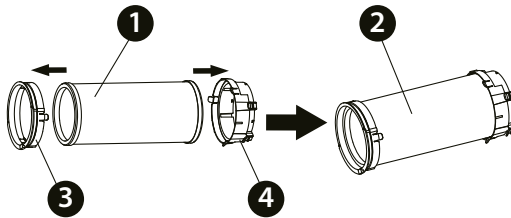
	WLPE20 Remote control	1
	Adapter	1
	Adaptor (change section)	1
	Exhaust Hose	1
	Adapter with cover	1
	Swell Screw	4
	Screw	4
	Condensate discharge pipe	1
	Insulating material	1
	Insulating material	1
	Window kit adapter	1
	Window kit (sliding)	1
	Window kit screw	1
	Latch	1

7 WINDOW MOUNTED

Step 1 - Preparing the Exhaust Hose assembly

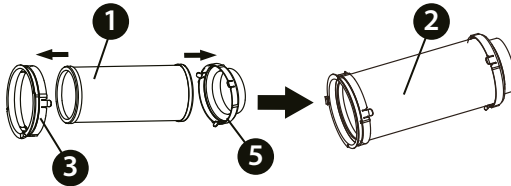
Press the exhaust hose(or extended exhaust hose) into the window slider adaptor(or wall exhaust adaptor) and unit adaptor, clamp automatically by elastic buckles of the adaptors.

Window mounted



- 1 Exhaust Hose
- 2 Exhaust hose assembly
- 3 Adapter
- 4 Window slider adaptor

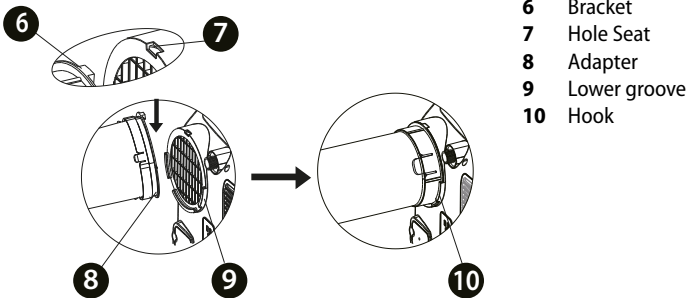
Wall installation



- 1 Exhaust Hose
- 2 Exhaust hose assembly
- 3 Adapter
- 5 Wall adaptor

Step 2 - Install the Exhaust hose assembly to the unit

the unit Insert unit adaptor of the Exhaust hose assembly into the lower groove of the air outlet of the unit while the hook of the adaptor is aligned with the hole seat of the air outlet and slide down the Exhaust hose assembly along the arrow direction for installation.



- 6 Bracket
- 7 Hole Seat
- 8 Adapter
- 9 Lower groove
- 10 Hook

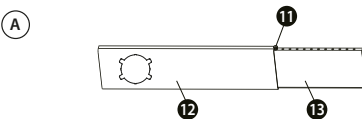
CAUTION



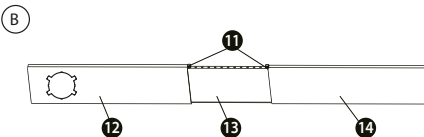
Make sure the adaptor is inserted into the lower groove of the air outlet.

Step 3 - Preparing the Adjustable Window Slider

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



- 11 Bolt
- 12 Window slider A
- 13 Window slider B
- 14 Window slider C



7.1 INSTALLATION

NOTICE

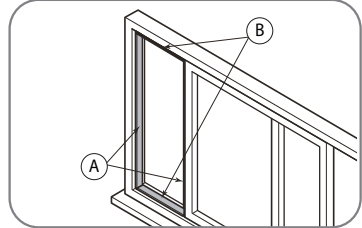
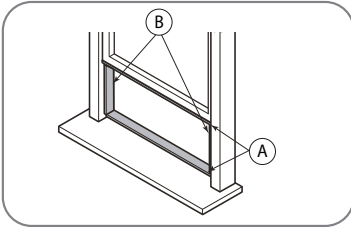


Once the Exhaust Hose assembly and Adjustable Window Slider are prepared, choose from one of the following two installation methods.

Hung Window or Sliding Window Installation

Step 1

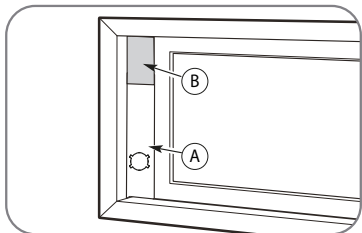
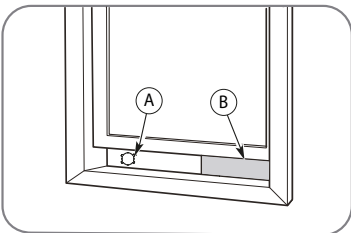
Cut the adhesive foam seal A and B strips to the proper lengths, and attach them to the window sash and frame as shown.



- A** Foam seal A (Adhesive type)
- B** Foam seal B (Adhesive type-shorter)

Step 2

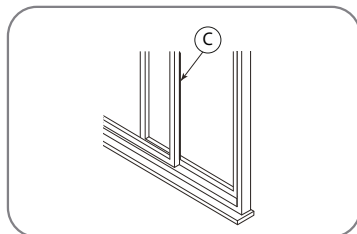
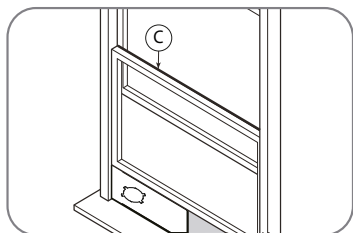
Insert the window slider assembly into the window opening.



- A.** Window slider A
- B.** Window slider B

Step 3

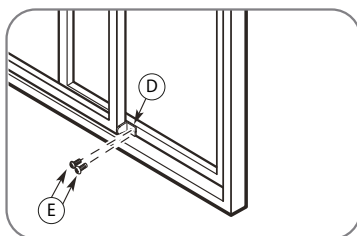
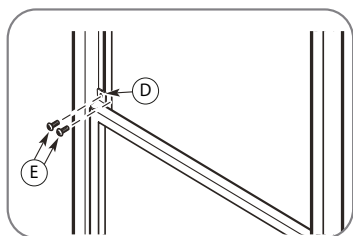
Cut the non-adhesive foam seal C strip to match the width(or height) of the window. Insert the seal between the glass and the window frame to prevent air and insects from getting into the room.



C Foam seal C (Non-adhesive type)

Step 4

If desired, install the security bracket with 2 screws as shown.

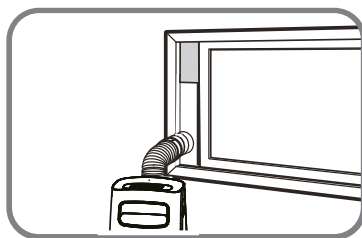
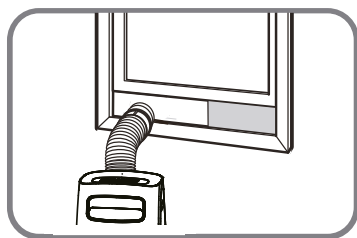


D Security Bracket

E Screws (n. 2)

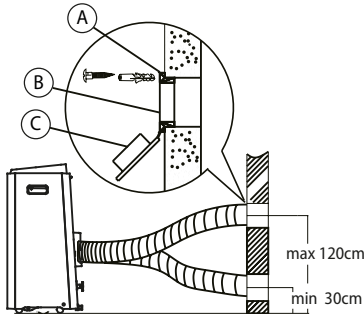
Step 5

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



8 WALL INSTALLATION

1. Cut a 125mm hole into the wall for the Wall Exhaust Adaptor B.
2. Secure the Wall Exhaust Adaptor B to the wall using the four Anchors and Screws provided in the kit.
3. Connect the Exhaust Hose Assembly(with Wall Exhaust Adaptor A) to the Wall Exhaust Adaptor B.



- A** Expansion anchor position
- B** Wall Exhaust Adaptor B
- C** Adaptor cap

NOTICE



Cover the hole using the adaptor cap when not in use.

CAUTION

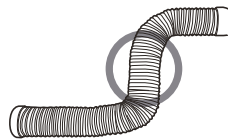


To ensure proper function, DO NOT overextend or bend the hose.

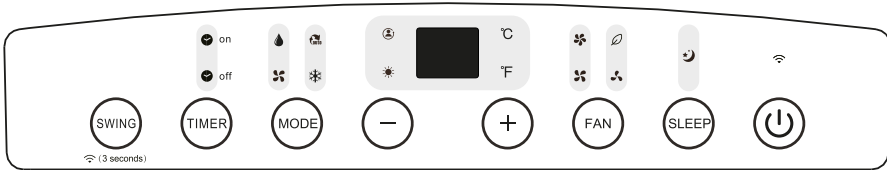
Make sure that there is no obstacle around the air outlet of the exhaust hose (in the range of 500mm) in order to the exhaust system works properly.



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



9 CONTROL PANEL



Indicator	Function	Indicator	Function
	Timer ON		Fan speed AUTO
	Timer OFF		SLEEP
	DRY mode		WIRELESS
	FAN mode		HEATING mode
	AUTO Mode		Celsius degree
	COOLING mode		Fahrenheit degree
	FOLLOW ME		Display LED
	Constant Fan		Power management light
	Fan speed HIGH		Power light
	Fan speed MED		FRESH mode light
	Fan speed LOW		

9.1 OPERATION

Swing/Wireless button

Used to initiate the Auto swing feature.

When the operation is ON, press the SWING button can stop the louver at the desired angle.

Used to initiate the Wireless function.

For the first time to use Wireless function, press and hold the swing button for 3 seconds to initiate the Wireless connection mode.

The LED DISPLAY shows 'AP' to indicate you can set Wireless connection.

If connection is successful within 8 minutes, the unit will exit Wireless connection mode automatically and the Wireless indicator illuminates.

If connection is failure within 8 minutes, the unit exits Wireless connection mode automatically.

If connection (router) is successful within 8 minutes, the unit will exit Wireless connection mode automatically and the Wireless indicator illuminates. If connection is failure within 8 minutes, the unit exits Wireless connection mode automatically. After Wireless connection is successful, you can press and hold SWING and DOWN (-) buttons at the same time for 3 seconds to turn off Wireless function and the LED DISPLAY shows 'OF' for 3 seconds, press SWING and UP(+) buttons at the same time to turn on Wireless function and the LED DISPLAY shows 'On' for 3 seconds.

NOTICE



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



The portable air conditioner PST350 comes with an information sheet for downloading the NetHome Plus app and the relevant user manuals via dedicated QR codes. The NetHome Plus application and user manuals can also be downloaded from paragraph "11 Nethome Plus App p. 49" of this manual.

Timer button

Used to initiate the AUTO ON start time and AUTO OFF stop time program, in conjunction with the + & - buttons.

The timer on/off indicator light illuminates under the timer on/ off settings.

Mode Button

Selects the appropriate operating mode.

Each time you press the button, a mode is selected in a sequence that goes from AUTO, COOL, DRY, FAN and HEAT.

The mode indicator light illuminates under the different mode settings.

Up (+) and Down (-) buttons

Used to adjust (increasing/decreasing) temperature settings in 1°C increments in a range of 17°C to 30°C or the TIMER setting in a range of 0~24hrs.

NOTICE



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

Fan/Constant fan(On some models) button

This button Control the fan speed.

Press to select the fan speed in four steps-LOW, MED, HIGH and AUTO.

The fan speed indicator light illuminates under different fan settings.

When select AUTO fan speed, all the fan indicator lights turn dark.

On some models, when select AUTO fan speed, all the fan indicator lights illuminante.

Sleep(Eco) button

Used to initiate the SLEEP/ECO operation.

ON / OFF Button

Power switch on/off.

LED display

Shows the set temperature in °C or °F("°F" no display for some models) and the Auto-timer settings.

While on DRY and FAN modes, it shows the room temperature.

Shows Error codes and protection code:

E1-Ambient temperature sensor error

E2-Evaporator temperature sensor error.

E3-Condenser temperature sensor error (On some models).

E4-Display panel communication error.

EC-Refrigerant leakage detection malfunction

P1-Bottom tray is full--Connect the drain hose and drain the collected water away.

If protection repeats,call for service.

NOTICE



When one of the above malfunctions occurs, turn off the unit, and check for any obstructions.



Restart the unit, if the malfunction is still present, turn off the unit and unplug the power cord.



Contact the manufacturer or its service agents or a similar qualified person for service.

9.2 OPERATION INSTRUCTIONS

COOL function

1. Press the "MODE" button until the "COOL" indicator light comes on.
2. Press the "MODE" button until the "COOL" indicator light comes on.
3. The temperature can be set within a range of 17°C~30°C.
4. Press the "FAN SPEED" button to choose the fan speed.

HEAT function

1. Press the "MODE" button until the "HEAT" indicator light comes on.
2. Press the "MODE" button until the "COOL" indicator light comes on.
3. The temperature can be set within a range of 17°C~30°C.
4. Press the "FAN SPEED" button to choose the fan speed.
5. For some models, the fan speed can not be adjusted under HEAT mode.

DRY operation

1. Press the "MODE" button until the "DRY" indicator light comes on.
2. Under this mode, you cannot select a fan speed or adjust the temperature.
3. The fan motor operates at LOW speed
4. Keep windows and doors closed for the best dehumidifying effect.
5. Do not put the duct to window.

AUTO operation

1. When you set the air conditioner in AUTO mode, it will automatically select cooling, heating, or fan only operation depending on what emperature you have selected and the room temperature.
2. The air conditioner will control room temperature automatically round the temperature point set by you.
3. Under AUTO mode, you can not select the fan speed.

NOTICE



Under AUTO mode, both the AUTO mode and the actual operation mode indicator lights illuminate for some models.

FAN operation

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

TIMER function

1. When the unit is on, press the Timer button will initiate the Auto-off stop program, the TIMER OFF indicator light illuminates.
2. Press the UP or down button to select the desired time.
3. Press the TIMER button again within 5 seconds, the Auto-on start program is initiated. And the TIMER ON indicator light illuminates.
4. Press the up or down button to select the desired Auto-on start time.
5. When the unit is off, press the Timer button to initiate the Auto-on start program, press it again within 5 seconds will initiate the Auto-off stop program.
6. Press or hold the UP or DOWN button to change the Auto time by 0.5 hour increments, up to 10 hours, then at 1 hour increments up to 24 hours. The control will count down the time remaining until start.
7. The system will automatically revert back to display the previous temperature setting if there is no operation in a 5 seconds period.
8. Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Auto Start/ Stop timer program.

SLEEP(ECO) operation

1. Press this button, the selected temperature will increase (cooling) or decrease (heating) by 1°C 30 minutes. The temperature will then increase (cooling) or decrease (heating) by another 1°C after an additional 30 minutes.
2. This new temperature will be maintained for 7 hours before it returns to the originally selected temperature.
3. This ends the Sleep/Eco mode and the unit will continue to operate as originally programmed.

NOTICE



This feature is unavailable under FAN or DRY mode.

9.2.1 Other features

FOLLOW ME/TEMP SENSING feature (optional)

NOTICE



NOTE:This feature can be activated from the remote control ONLY. The remote control serves as a remote thermostat allowing for the precise temperature control at its location.

- To activate the Follow Me/Temp Sensing feature, point the remote control towards the unit and press the Follow Me/Temp Sensing button.
- The remote control will send this signal to the air conditioner until press the Follow Me/Temp Sensing button again. If the unit

— If the unit does not receive the Follow Me/Temp Sensing signal during any 7 minutes interval, the unit will exit the Follow Me/Temp Sensing mode.

NOTICE



This feature is unavailable under FAN or DRY mode.

AUTO-RESTART

If the unit breaks off unexpectedly due to the power cut, it will restart with the previous function setting automatically when the power resumes.

9.2.2 Air flow direction adjustment

The louver can be adjusted automatically.

Air flow direction adjustment:

When the Power is ON, the louver opens fully.

Press the SWING button on the panel or remote controller to initiate the Auto swing feature.

The louver will swing up and down automatically.

Please do not adjust the louver manually.

WAIT 3 MINUTES BEFORE RESUMING OPERATION

After the unit has stopped, it can not be restarted operation in the first 3 minutes.

This is to protect the unit.

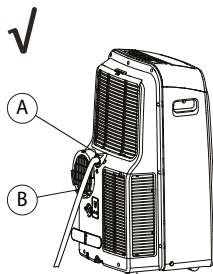
Operation will automatically start after 3 minutes.

Water drainage

During dehumidifying modes remove the upper drain plug from the back of the unit, install the drain connector(5/8" universal female mender) with 3/4" hose (locally purchased).

For the models without drain connector, just attach the drain hose to the hole.

Place the open end of the hose directly over the drain area in your basement floor.



- A** Remove the upper drain plug
- B** Continuous drain hose

During heating pump mode remove the lower drain plug from the back of the unit, install the drain connector (5/8" universal female mender) with 3/4" hose (locally purchased).

For the models without drain connector, just attach the drain hose to the hole. Place the open end of the Hose adaptor directly over the drain area in your basement floor.

NOTICE



Make sure the hose is secure so there are no leaks.



Direct the hose toward the drain, making sure that there are no kinks that will stop the water flowing.



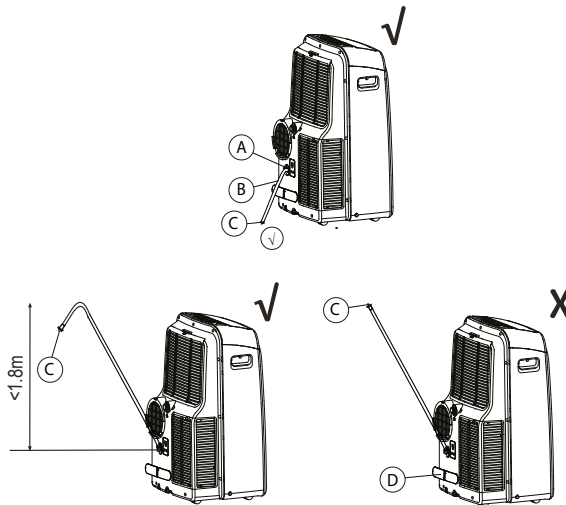
Place the end of the hose into the drain and make sure the end of the hose is down to let the water flow smoothly.



Do never let the pipe up.



When the continuous drain hose is not used, ensure that the corresponding drain plug and knob are installed firmly to prevent leakage.



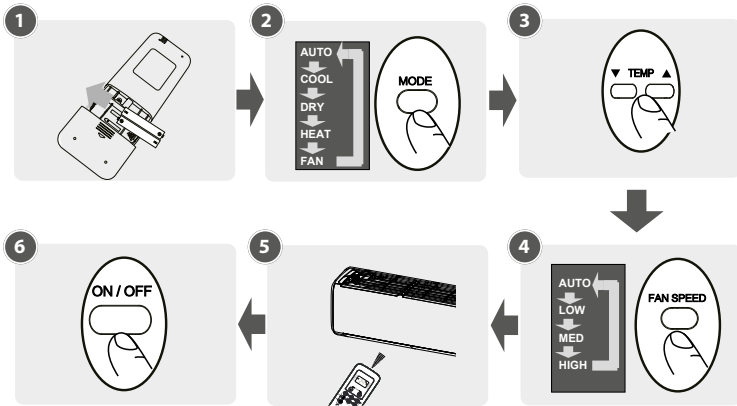
- A** Remove the upper drain plug
- B** Continuous drain hose
- C** drain hose adaptor
- D** Press the power cord buckle into the rear cover.

10 OPERATION AND DESCRIPTION OF THE REMOTE CONTROL

10.1 REMOTE CONTROLLER SPECIFICATIONS

Rated voltage	3.0V (Dry batteries AAA×2)
Signal Receiving Range	8m
Ambient temperature	-5°C ~ 60°C

10.1.1 Quick Guide



- 1 Fit batteries
- 2 Sets the unit operating mode
- 3 Select temperature
- 4 Select fan speed
- 5 Point remote toward unit
- 6 Press power button

Refer to the how to use basic functions and how to use advanced functions sections of this manual for a detailed description of how to use your air conditioner.

NOTICE



Button designs on your unit may differ slightly from the example shown.

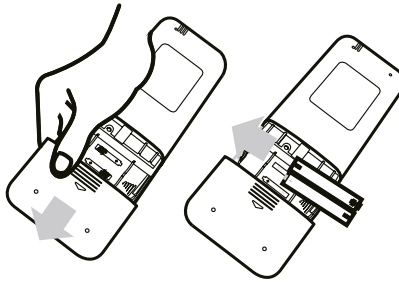
Some of the buttons of the remote control are not used for the required unit and are therefore not described in these instructions. Pressing of these keys will not affect the operation of the unit.

10.2 HANDLING THE REMOTE CONTROLLER

10.2.1 Inserting and replacing batteries

Your air conditioning unit may come with two batteries. Put the batteries in the remote control before use.

1. Open the battery cover by sliding it in the direction of the arrow;
2. Insert two new 1.5V alkaline high performance batteries, type LR03 (AAA), taking care that their polarity is correct;
3. Slide the battery cover back into place.



NOTICE



Direct sunlight can interfere with the infrared signal receiver.



There must be a clear line of sight between the remote and the appliance.



If the signals from the remote control happen to control another appliance, move the appliance to another location or contact customer service.



When batteries are replaced use new batteries of the recommended type.



The unit will beep when remote signal is received.



The unit can be affected by signals transmitted by remote controls for televisions, video recorders, or other devices used in the same room.



If the remote controller does not operate normally, please take the batteries out and reinsert them after 30 seconds. If it still can't operate properly, replace the batteries.

Battery disposal

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



Battery Performance

For optimal product performance:

- Do not mix old and new batteries, or batteries of different brands.
- Remove the batteries if the remote control is not used for extended periods.

10.2.1.1 Information for correct disposal of the product



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

10.2.2 Notes for using remote control

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

10.3 USER INTERFACE (BUTTONS)

Before you begin using your new unit, make sure to familiarize yourself with its remote control. The following is a brief introduction to the remote control itself. For instructions on how to operate your unit, refer to “10.5 Basic functions available through the remote control p. 43”.

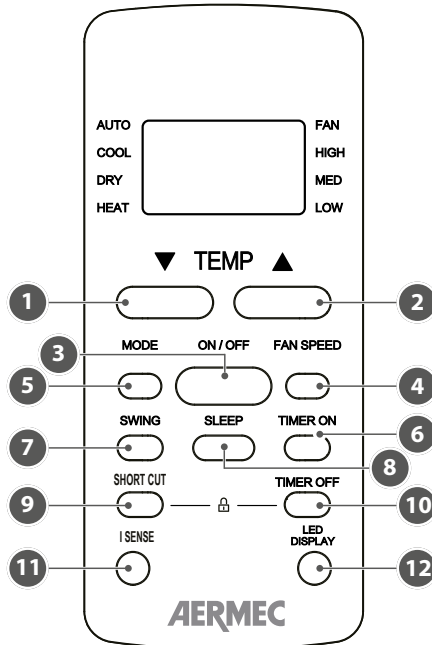
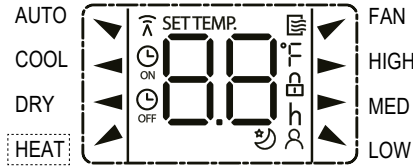


Table of contents	Function of the button
1	Decreases temperature in 1°C increments. Min. temperature is 17°C.
2	Increases temperature in 1°C increments. Max. temperature is 30°C.
3	Switches indoor unit ON/OFF
4	Selects fan speeds in the following order: "AUTO - LOW - MED -HIGH".
5	Scrolls through operation modes as follows: "AUTO - COOL - DRY - HEAT - FAN".
6	Activates or deactivates the programmed switch on timer
7	Starts and stops the horizontal louver movement.
8	Starts and stops the horizontal louver movement. Hold down for 2 seconds to initiate vertical louver auto swing feature.
9	Activate / Deactivate the night wellness (SLEEP) function
10	Sets and activates your favorite settings
11	Activates or deactivates the programmed switch off timer
12	Temperature and ambient temperature sensing
13	Sets the status of the LED on the display

10.4 USER INTERFACE (DISPLAY)



Icons	Description
AUTO ▼	AUTO mode
COOL ◀	COOLING mode
DRY ◀	DRY mode
HEAT ▶	HEATING mode
▼ FAN	FAN mode
	Sending signal
	Remote controller on
	Timer ON is set
	Timer OFF is set
	Display view (Shows set temperature or room temperature or time under Timer setting)
	Child Lock
	I-SENSE function
	Night time well-being (Sleep) mode
Icons	Fan speed
▶ HIGH	Alta
▶ MED	Average
▶ LOW	Bassa
-	Automatic

NOTICE



All indicators shown in the figure are for the purpose of clear presentation.



But during the actual operation, only the relative function signs are shown on the display window.

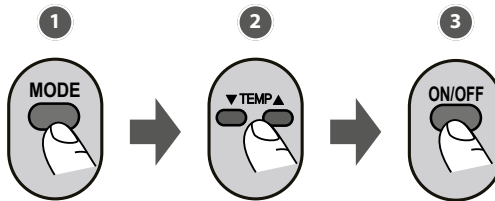
10.5 BASIC FUNCTIONS AVAILABLE THROUGH THE REMOTE CONTROL

NOTICE



Before operation, please ensure the unit is plugged in and power is available.

10.5.1 AUTO Mode



1. Select AUTO mode
2. Set your desired temperature
3. Press the ON/OFF button to start the unit

NOTICE

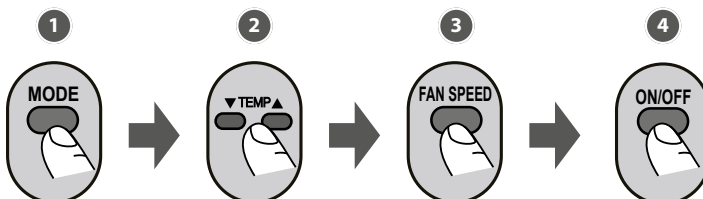


In AUTO mode the unit will automatically select to COOL, FAN or HEAT function based on the set temperature.



In AUTO mode, fan speed can't be set.

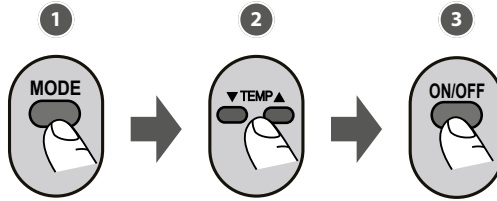
10.5.2 COOL or HEAT modes



1. Select COOL or HEAT mode

2. Set your desired temperature
3. Set the fan speed desired
4. Press the ON/OFF button to start the unit

10.5.3 DRY mode



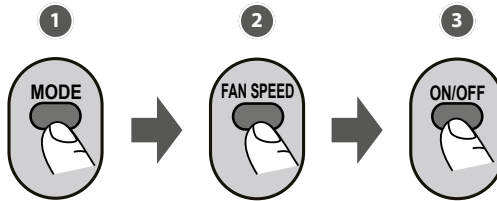
1. Select DRY mode
2. Set your desired temperature
3. Press the ON/OFF button to start the unit

NOTICE



In DRY mode, fan speed can not be set since it has already been automatically controlled.

10.5.4 FAN mode



1. Select the FAN mode
2. Set the fan speed desired
3. Press the ON/OFF button to start the unit

NOTICE

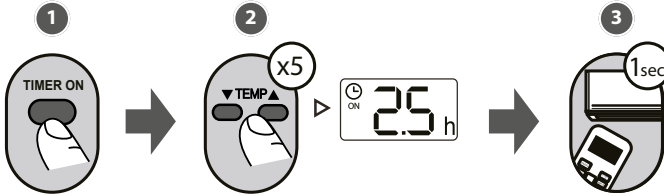


In FAN mode, can't set the temperature. As a result, no temperature display in remote screen.

10.5.5 Setting a system time

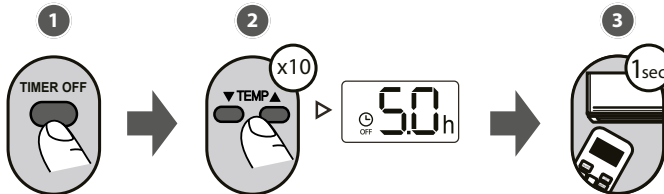
TIMER ON/OFF: Set the amount of time after which the unit will automatically turn on/off.

Setting or cancelling a programmed switch on (TIMER ON)



- 1 Press Timer ON button to initiate the ON time sequence
- 2 Press TEMP. UP or DOWN button for multiple times to set the desired time to turn on the unit
- 3 Point remote to unit and wait 1sec, the TIMER ON will be activated

Setting or cancelling a programmed SWITCH OFF (TIMER OFF)



- 1 Press Timer OFF button to initiate the OFF time sequence
- 2 Press TEMP. UP or DOWN button for multiple times to set the desired time to turn off the unit
- 3 Point remote to unit and wait 1sec, the TIMER ON will be activated

NOTICE



When setting the Timer ON or Timer OFF, the time will increase by 30 minutes increments with each press TEMP. button, up to 10 hours. After 10 hours and up to 24, it will increase in 1 hour increments.

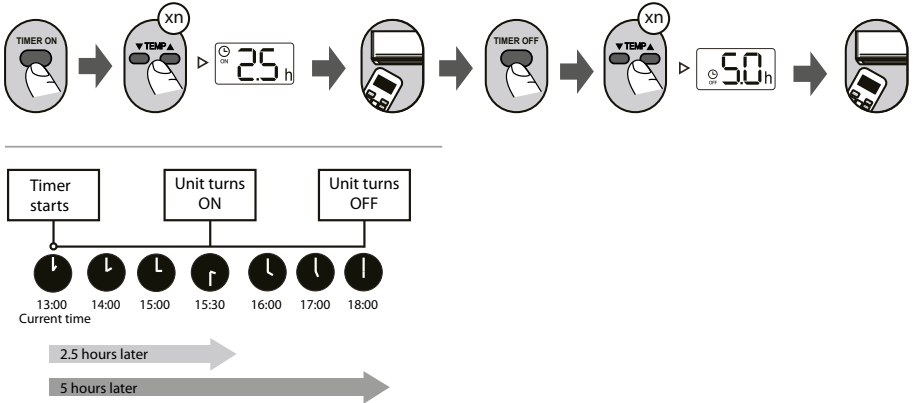
For example, press 5 times to get 2.5h, and press 10 times to get 5h.



Cancel either function by setting its timer to 0.0h.

EXAMPLE

Keep in mind that the time periods you set for both functions refer to hours after the current time.

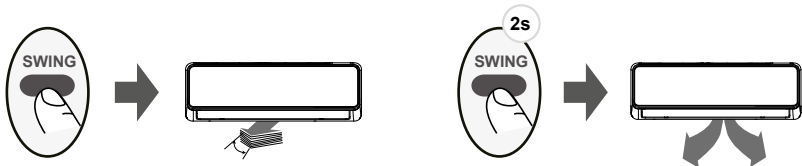


Example: If current timer is 1:00 PM, to set the timer as above steps, the unit will turn on 2.5h later (3:30 PM) and turn off at 6:00 PM.

10.6 ADVANCED FUNCTIONS AVAILABLE THROUGH THE REMOTE CONTROL

10.6.1 Setting the motorised discharge fin (SWING)

Press SWING button.



The horizontal louver will swing up and down automatically when pressing Swing button. Press again to make it stop.

Keep pressing this button more than 2 seconds, the vertical louver swing function is activated. (Model dependent)

10.6.2 Night time well-being (SLEEP)



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

This function can only be activated via remote controller. The SLEEP function is not available in FAN or DRY mode.

10.6.3 I-SENSE function



When the I-SENSE function is activated, the remote controller displays the actual temperature. The remote controller will send this signal to the unit every 3 minutes interval until press the I-SENSE button again.

NOTICE



Press the I-SENSE button for 7 seconds to activate/deactivate the memory feature of I-SENSE function.



If the memory feature is activated, "On" displays for 3 seconds on the screen.



If the memory feature is deactivated, "OF" displays for 3 seconds on the screen.



While the memory feature is activated, if press the ON/OFF button, shift the mode or power failure will not cancel the I-SENSE function.

10.6.4 SHORTCUT function

Function used to restore current settings or resume previous settings.



Push this button when remote controller is on, the system will automatically revert back to the previous settings including operating mode, setting temperature, fan speed level and SLEEP feature (if activated).

If pushing more than 2 seconds, the system will automatically restore the current operation settings including operating mode, setting temperature, fan speed level and SLEEP feature (if activated).

10.6.5 Anti-freeze function



The unit will run in Heating mode with the ventilation at maximum speed to maintain a minimum temperature of 8°C in the room.

In Heating mode, press this button twice within one second, setting the temperature to 17°C to enable the Antifreeze function.

During operation, press one of the buttons ON/OFF, MODE, FAN or TEMP. to cancel this function.

11 NETHOME PLUS APP

NOTICE



Ensure that your mobile phone is connected to the home wireless network, the 2.4GHz band wireless signal is enabled on your wireless router and you know the network password.



Turn on Bluetooth on your mobile phone and turn on the unit.

Step 1: Download NetHome Plus App

Android Phone users: scan Android QR code or go to google play, search "Nethome Plus" App and download it.

IOS users: scan IOS QR code or go to APP Store, search "Nethome Plus" app and download it.



Step 2: Register or Login account.

Open the App and create a user account, if you already have one, just log in.

Step 3: Add your appliance.

Press the "+" icon to add home appliance to your NetHome Plus account.

Step 4: Connected to the network.

Follow the instructions in the app to set up the Wireless connection. If the network connection fails, please refer to the App tips for operation. The actual UI design may look different from examples due to app updates.

11.1 PLEASE SCAN THE QR CODE TO DOWNLOAD THE NETHOME PLUS MANUAL

Italian:



<http://www.aermec.com/qrcode.asp?q=18197>

English:



<http://www.aermec.com/qrcode.asp?q=18198>

French:



<http://www.aermec.com/qrcode.asp?q=18199>

German:



<http://www.aermec.com/qrcode.asp?q=18200>

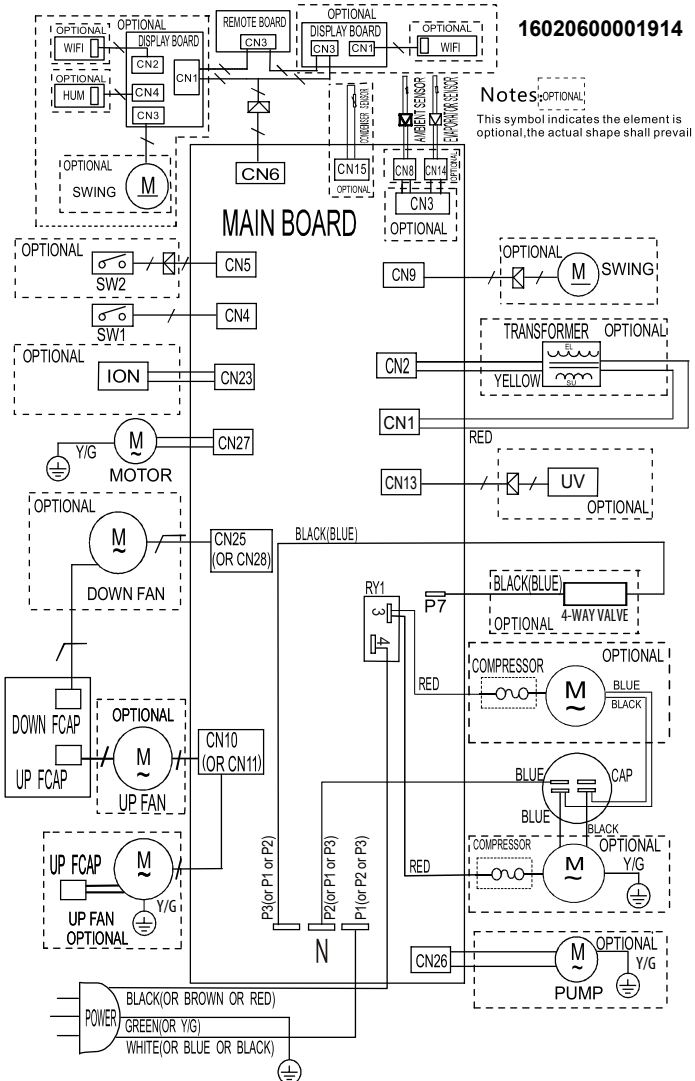
Spanish:



<http://www.aermec.com/qrcode.asp?q=18201>

12 WIRING DIAGRAMS

PST350



13 MAINTENANCE

CAUTION



Always unplug the unit before cleaning or servicing.

PROHIBITION



DO NOT use flammable liquids or chemicals to clean the unit.



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

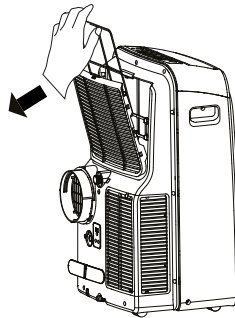


DO NOT operate the machine if the power supply was damaged during cleaning. A damaged power cord must be replaced with a new cord from the manufacturer.

13.1 CLEANING THE AIR FILTER

Remove

— Take the filter out along the arrow direction.



Clean

- Wash the air filter by immersing it gently in warm water (about 40°C) with a neutral detergent.
- Rinse the filter with clean water and allow it to air-dry. Do not let the filter dry in direct sunlight.

Mounting

— Install the air filter after cleaning.

Maintenance Tips

- Be sure to clean the air filter every 2 weeks for optimal performance.
- The water collection tray should be drained immediately after P1 error occurs, and before storage to prevent mold.
- In households with animals, you will have to periodically wipe down the grill to prevent blocked airflow due to animal hair.

CAUTION



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

13.2 UNIT CLEANING

Clean the unit using a damp, lint-free cloth and mild detergent.
Dry the unit with a dry, lint-free cloth.

13.3 MAINTENANCE DURING DOWNTIME

- Drain the unit's water collection tray according to the instructions.
- Run the appliance on FAN mode for 12 hours in a warm room to dry it and prevent mold.
- Turn off the appliance and unplug it.
- Clean the air filter according to the instructions in section 13.1 Cleaning the air filter p. 52.
- Reinstall the clean, dry filter before storing.
- Take out batteries from the remote controller.

NOTICE



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

- The cabinet and front may be dusted with an oil-free cloth or washed with a cloth dampened in a solution of warm water and mild liquid dishwashing detergent.
- Rinse thoroughly and wipe dry.
- Never use harsh cleansers, wax or polish on the cabinet front.
- Be sure to wring excess water from the cloth before wiping around the controls. Excess water in or around the controls may cause damage to the unit.

13.4 TROUBLESHOOTING

Problem	Possible causes	Solution
Unit does not turn on when pressing ON/OFF button.	Error code P1	The Water Collection Tray is full. Turn off the unit, drain the water from the Water Collection Tray and restart the unit.
	In COOL mode: room temperature is lower than the set temperature	Reset the temperature.
Poor cooling performance.	The air filter is blocked with dust or animal hair.	Turn off the unit and clean the filter according to instructions.
	Exhaust hose is not connected or is blocked.	Turn off the unit, disconnect the hose, check for blockage and reconnect the hose.
	The unit is low on refrigerant.	Call a service technician to inspect the unit and top off refrigerant.
	The set temperature is too high.	Decrease the set temperature.
	The windows and doors in the room are open.	Make sure all windows and doors are closed.
	The room area is too large.	Double-check the cooling area.
The unit is noisy and vibrates too much.	There are heat sources inside the room.	Remove the heat sources if possible.
	The ground is not level.	Place the unit on a flat, level surface.
The unit makes a gurgling sound.	The air filter is blocked with dust or animal hair.	Turn off the unit and clean the filter according to instructions.
	This sound is caused by the flow of refrigerant inside the unit.	It's a normal sound and is not a fault.

SCARICA L'ULTIMA VERSIONE:



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