

ENGLISH

1. GENERAL INFORMATION

1.1 INTRODUCTION

PLEASE NOTE: Do not dispose of any packaging until the installation of the air conditioner is completed.

After having removed the packing, check that all the content is intact and complete. (See list of accessories). In the event of missing parts, contact your retailer.

This air conditioner has been designed to cool or heat the air of a room and should only be used for this purpose.

The manufacture cannot be held liable for damage caused to property or injury to persons or animals due to incorrect installation, regulation and maintenance or improper use.

This air conditioner contains R32 refrigerant, at the end of its life, the disposal of this air conditioner must be in accordance with the strict regulation governing the recycling of this product, please operate with caution during the disposal. Please contact your local authority or regulatory advice.

Do not switch on before having totally assembled the air conditioner and before installing in its correct operating position.

Before starting the appliance, check that it is correctly earthed, according to the legislation in force in the country concerned.

1.2 IMPORTANT SAFETY INSTRUCTIONS



When using electrical appliances, basic safety precautions should always be followed:

Do not place objects on the product or allow objects to obstruct the inlet or outlet openings.

Extreme care should be taken when any product is used by, or near children and pets, and whenever the product is left operating and unattended.

Please note:

Before operating the product remove the air conditioner from its packaging and check it is in good condition.

Do not let children play with the packaging, for example plastic bags.

Do not operate any product with a damaged cord or lug, or after the air conditioner malfunctions, has been dropped, or damaged in any manner. Return the air conditioner to an authorized service center for examination and repair to avoid a hazard.

Do not attempt to repair or adjust any electrical or mechanical functions on this air conditioner as this may void warranty, contact your service engineer.

Always operate the product from a power source of the same voltage, frequency and rating as indicated on the product identification plate.

This air conditioner is not intended for use in wet or damp locations.

Do not place the air conditioner near an open flame, cooking or heating appliance, or hot surface.

Do not let the power cord hang over the edge of a table or counter. Arrange the power cord away from an area where it may be tripped over.

Never place the power cord under a carpet or rug. Do not operate the air conditioner in areas where petrol, paint, or other flammable liquids are used or stored.

Do not carry out any cleaning or maintenance, or access internal parts until the air conditioner has been disconnected from the mains electricity supply.

Do not alter the safety or regulating devices without the permission and instructions of the air conditioner manufacture.

Do not pull, remove or twist the electrical cable connected to the air conditioner, even if disconnected from the mains electricity supply.

Avoid prolonged direct contact with the flow of the air from the air conditioner and the room being closed with no ventilation for a long period of time.

Repair or maintenance work must be carried out by a service engineer or by qualified technicians in compliance with the instructions given in this booklet. Do not alter the appliance, since hazardous situations could be created while the manufacture of the appliance will not be liable for any damage or injury caused.

This instruction booklet is an integral part of the appliance and should therefore be carefully preserved and always accompany the appliance in the event of transfer to another owner or user or another installation engineer. Should the booklet be damaged or lost, please request an additional.

1.3 RECEIVING THE GOODS

The air conditioner is delivered in a protective packaging and is accompanied by an instruction manual.

IMPORTANT NOTE : Preserved the original packaging for the period of warranty of 2 years. In the event of a fault or failure, the device must be taken to the nearest service center with its original packaging. The return of the product without original packaging, will void the warranty terms of 2 years.

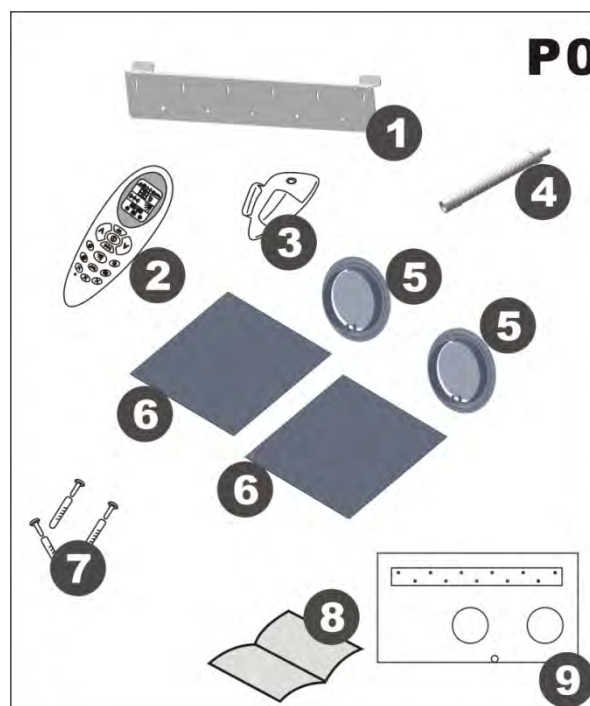
This manual is an integral part of the air conditioner and should therefore be carefully read and preserved. When the air conditioner is unpacked, please check that the air conditioner and the accessory pack are complete and undamaged.

1.4 HANDLING

Be fully aware of the weight of the air conditioner before attempting to lift it. Take all necessary precautions to avoid damaging the product or causing personal injury. It is advisable to remove the packaging only when the air conditioner has been located in the point of installation. Carefully remove the adhesive strips positioned on the air conditioner. Packaging components must be disposed correctly and not left within reach of children, since they are a potential source of danger.

1.5 LIST OF ACCESSORIES(P0)

1. FASTENING BRACKET
2. REMOTE CONTROL
3. REMOTE CONTROL HOLDER
4. DRAINAGE PIPE
5. EXTERNAL GRATING
6. AIR PIPE FILM
7. KIT OF SCREWS
8. INSTRUCTION MANUAL
9. PAPER TEMPLATE FOR WALL DRILLING



METROPOLITAN 10HP AND 12 HP is conform to the European directives :

- Low voltage 2014/35EU and with amendments 92/31/EEC and 93/68/EEC.
- Electro-magnetic compatibility 2004/108/EC
- Use restrictions of hazardous substances in electrical and electronic equipment 2011/65/EC (RoHS2)
- Waste electrical and electronic equipment 2002/96/ EC (WEEE).
- Energy consumption indication on the labels of energy related products 2010/30/EU



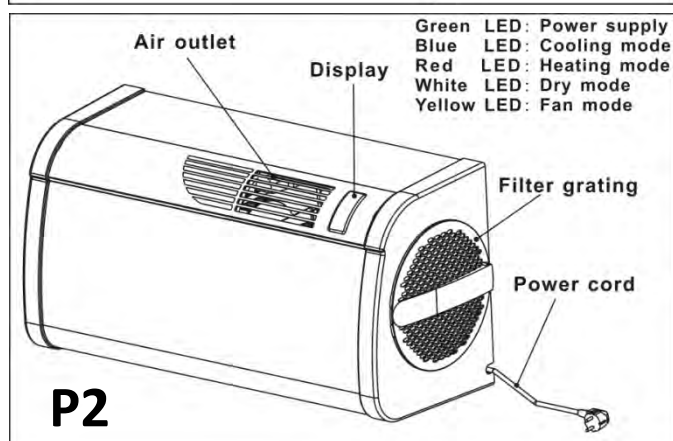
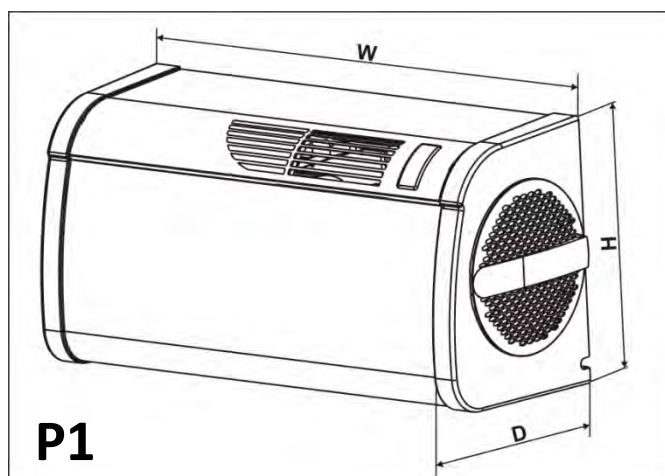
Waste electrical products should be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

Any batteries used in the remote control contain materials, which are hazardous to the environment. They must be removed from the remote control when they reach the end of their life and disposed of responsibly.

1.6 TECHNICAL FEATURES(P1,P2)

Model	10HP	12HP
Cooling capacity* W(BTU/h)	2410(8300)	2750(9377)
Heating capacity* W(BTU/h)	2350(8050)	2550(8700)
Electrical heat* W(BTU/h)	1000(3500)	1000(3500)
Rated voltage (V)	230	230
Absorbed power in cooling* (W)	862	1050
Absorbed current in cooling* (A)	3.9	4.6
Absorbed power in heating* (W)	750	800
Absorbed current in heating* (A)	3.3	3.5
Air flow (m3/h)	400	450
Noise level (dB/A)	50	50
Dehumidification capacity* (L/24h)	21.6	25,2
Optional temperature(remote control)	18-30°C	18-30°C
Fuse (T3,15L)	250V	250V
Refrigerant	R32	R32
Global warmer potential(GWP)	675	675
Dimensions H/W/D(cm)	84x43x33	84x43x33
Weight(kg)	41	42



*The above data could be change without notice in order to improve the performances.

STANDARD TEST CONDITIONS –EN 14511-

OPERATING CONDITIONS IN COOLING AND DEHUMIDIFICATION MODE:

-Inside 27°C DB, 19°C WB

-Outside 35°C DB, 24°C WB

OPERATING CONDITIONS IN HEATING MODE:

-Inside 20°C DB

-Outside 7°C DB, 6°C WB

2 INSTALLATION

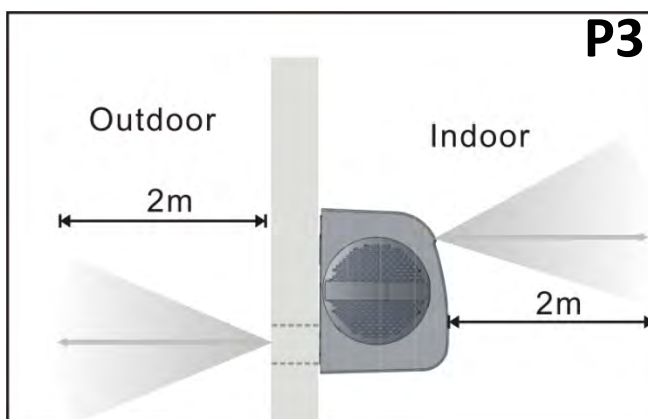
2.1 POSITIONING THE AIR CONDITIONER(P3)

To maintain the best performance from your air conditioner, prevent breakdowns or hazards, you must position it correctly. Please follow the guidelines and instruction below in full, as failure to do so could cause potential installation problems.

-The air conditioner must be installed on an exterior wall that has access to the outside with a minimum of a meters clearance to the outside.

-The air conditioner must be fitted leaving room all around as illustrated in the paper template.

-The wall on which the air conditioner is installed must be sturdy and able to withstand the weight of the air conditioner.



After determining the best place for installation as described above, please check to ensure that the wall can be drilled in the chosen area without interfering with other structures or installation (beams, piers, pipes, wires, etc.).

Please also ensure that there are no obstacles on the outside of the wall, which may obstruct air circulation through the drilled holes, for example: plants and their leaves, slats or paneling, drain pipes, overflows and gratings, etc. Any obstruction could interfere with the correct performance of the conditioner.

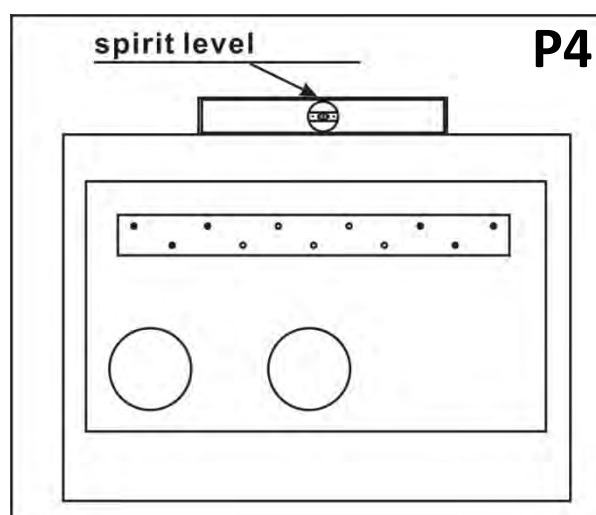
2.2 PAPER TEMPLATE (P4)

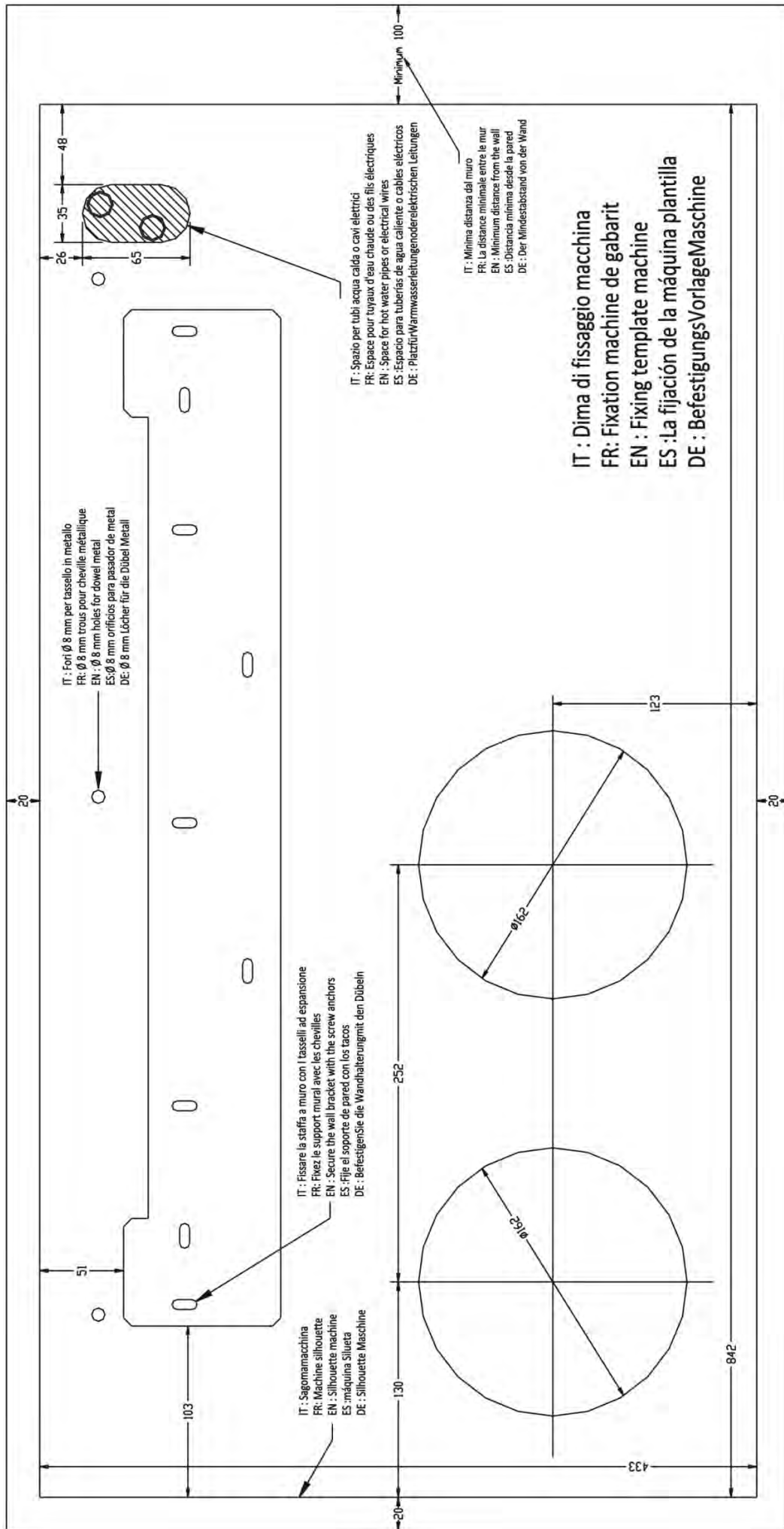
Fasten the template to the wall once the following guidelines have been thoroughly checked.

-Do not drill any holes until you are completely confident that there are no obstacles in the area you wish to drill and there are no obstructions, which could be hidden by the construction of the wall, for example: Electrical wiring, water & gas pipes or supporting lintels or beams.

-Ensure that a spirit level is used, as the air conditioner must be level.

-Follow the installation instruction in full.





2.3 DRILLING THE WALL (P5)

Please note: If you are drilling the hole above ground floor level, please ensure that an area has been secured and while the holes are drilled the outside area is supervised, until drilling has been completed.

INTAKE AND OUTLET HOLES:

-This operation should be carried out using the proper tools (diamond tip or core borers drills with high twisting torque and adjustable rotation speed).

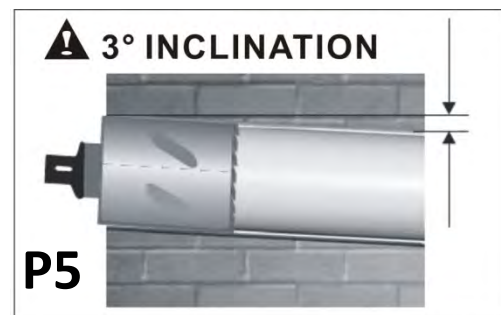
-Fasten the template to the wall taking care to check the distance from the floor or ceiling and keep it horizontal by using a spirit level.

-Use a pilot drill to mark the centre of each core hole to be drilled.

Use a core boring head having a diameter of 162mm to drill the two holes for intake and outlet the air.



It is recommended that the holes must have a slightly downward inclination of 3-5 degree to prevent any backflow of water from the pipes.



Indoor

Outdoor

DRAINAGE HOLE

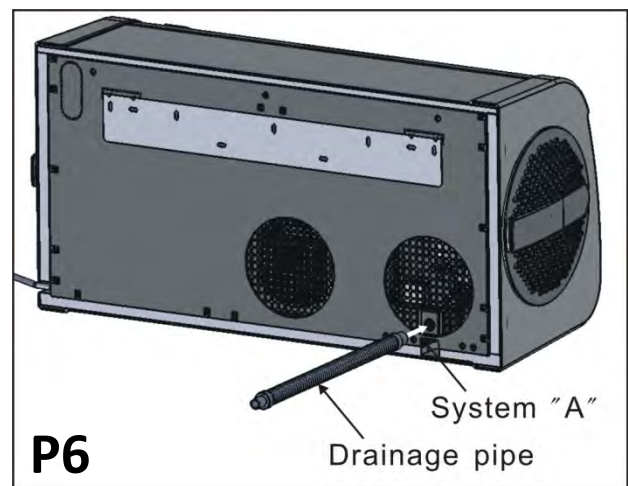
This air conditioner has a double drainage system to drain the condensate moisture automatically. Before install the air conditioner, choose which one is the suitable system for your installation. Please read carefully the following instructions.

System "A": (P6,P7,P8)

Connect the drain pipe (from rubber terminal) to the back side of air conditioner.

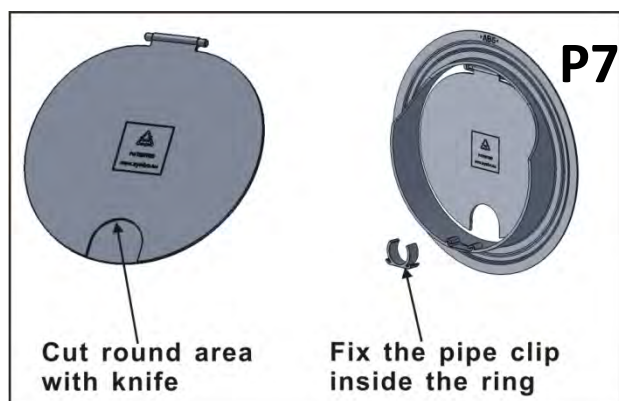
System "A" is more common use, and the discharge pipe go outside where there is no problem to connect or to discharge it, this solution is ok for hot country and normal cold temperature outside. With this solution, you can drain the condensate moisture to a suitable place, do not cause any problem to your neighbors.

If use system "A", please do not unplug the bottom rubber cup from system "B".



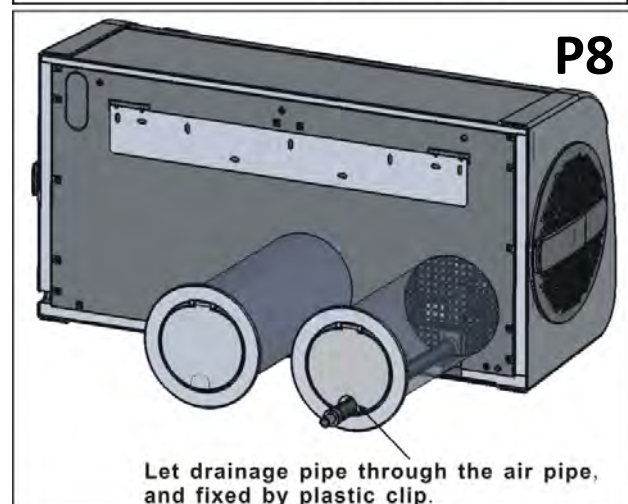
P6

Drainage pipe



Cut round area
with knife

Fix the pipe clip
inside the ring



P8

Let drainage pipe through the air pipe,
and fixed by plastic clip.

System "B": (P9.P10)

In case of impossibility to install the drainage pipe as showed on "A" system, please use system "B" to drain the condensate moisture to a suitable place.

If use system "B", please block the black rubber cup from system "A".

Take out the cover from the unit, and cut the cover as the label shows, then connect the drainage pipe from the bottom system "B" hole. (3.10 will show how to remove and fix the cover accordingly)

Usually "B" holes is used in the installation when the outside temperature is very low, and in this way we prevent no ice in the discharge water pipe.

This solution is used also to be much easy for the installer to connect the internal drainage pipe when he does not want to see the pipe from outside.

2.4 FASTENING THE BRACKET (P11)

-Drill the holes for anchoring the fastening bracket to the wall using preferably the 9 holes showed in black on the paper template.

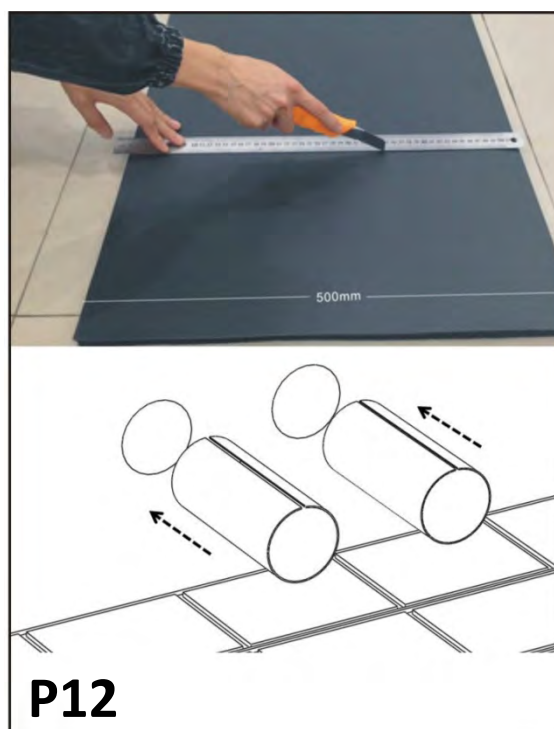
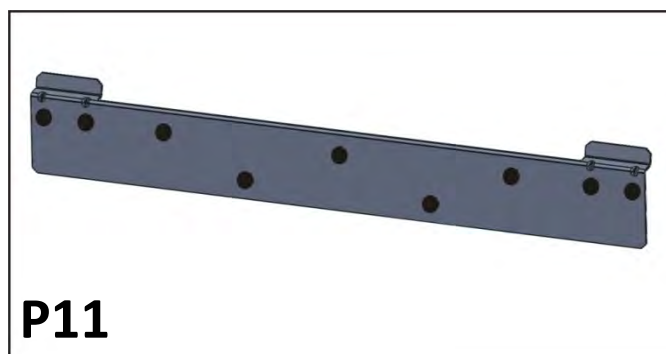
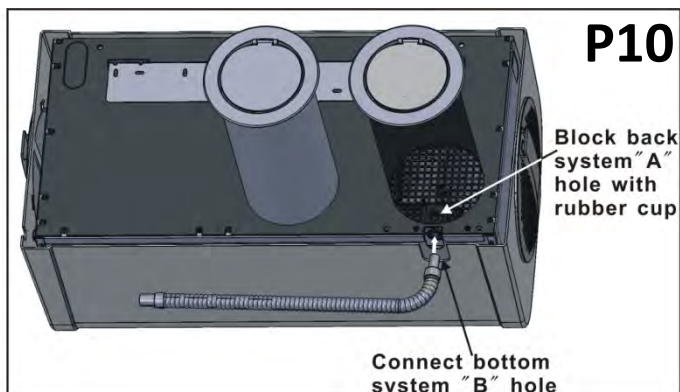
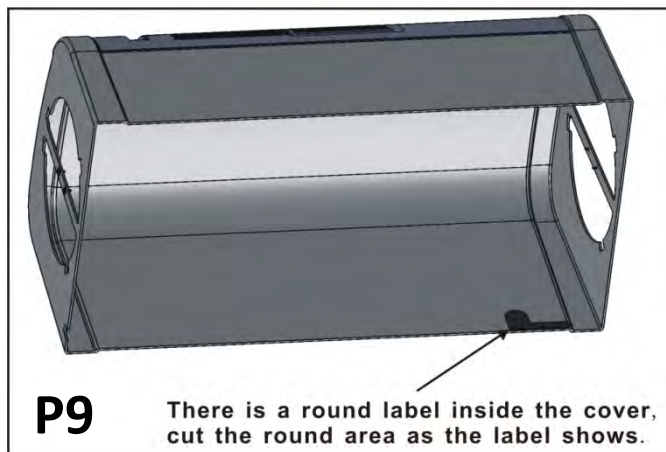
-The anchor bolts provided require a 8mm hole. The wall should be inspected to determine if provided bolts are useful or if it is necessary to use a different anchorage. The manual facture is not liable in case of underestimation of the structural consistency of the anchorage made at the time of installation.

2.5 INSTALLATION OF THE PIPES (P12)

- After drilling the holes, the plastic sheet supplied with the air conditioner need to be fitted through them.

- Measure the depth of the wall and cut supplied plastic sheet.

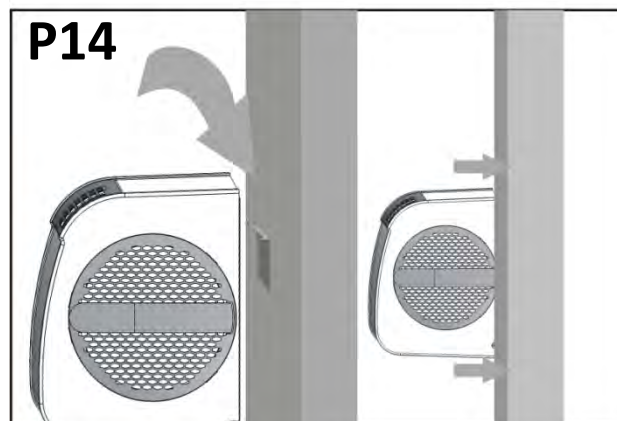
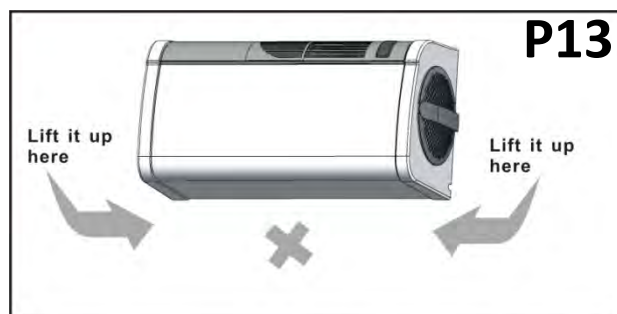
- Roll the sheet and insert it into the hole, paying attention to the joint line, which must be always upper position. Remember that the sheet must have the same inclination of the holes(min 3°).



2.6 FITTLING THE AIR CONDITIONER ON BRACKET(P13, P14)

After checking again that the fastening bracket is securely fastened to the wall, and that any necessary preparations for electric connection and condensate drainage (if it needs) have been made, fasten the air conditioner to its supporting bracket.

Lift it up by holding the sides at the bottom. Tilt the air conditioner slightly toward you to facilitate the operation of fastening it to the bracket. The air conditioner can now be pushed firmly against the wall. Inspect carefully the installation to make sure that the insulating back panel must fit firmly against the wall and there are no fissures at the back of the air conditioner.



The appliance shall not be installed the laundry.

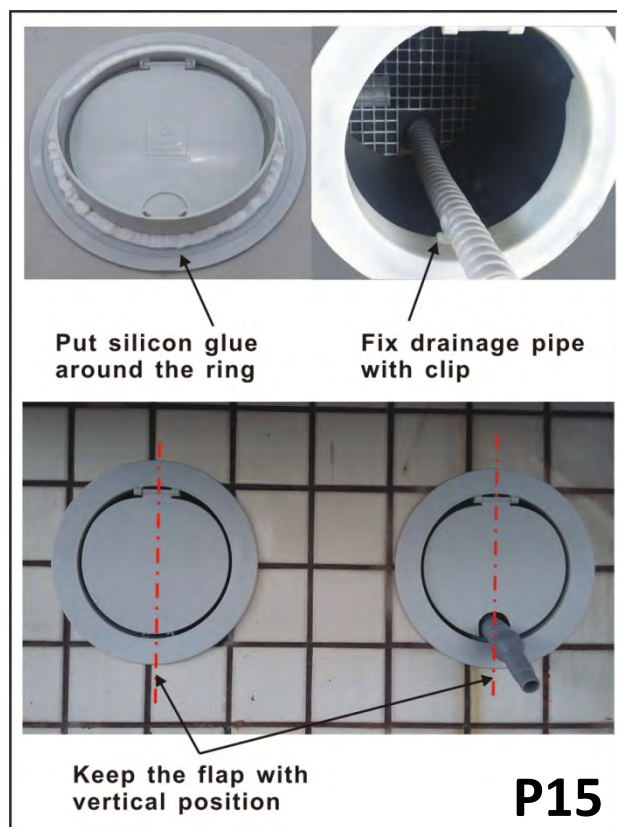
The appliance must be positioned so that the plug is accessible.

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

2.7 FITTLING THE GRATINGS(P15)

To fit the external two gratings, please proceed as following:

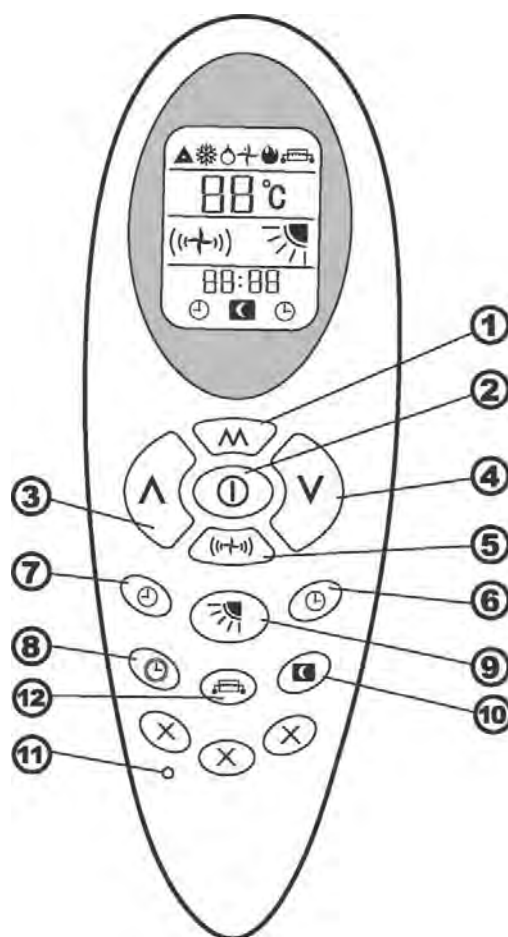
- Put the silicon glue around the ring, and fix the two gratings from outside.
- Pay attention the flap direction, always keep the shaft side with upper direction.
- With system "A" water drainage solution, open a round hole with the flap, and try to fix the drainage pipe inside the plastic clip.
- Try to open and close the flap, should be no any interference with the drainage pipe.
- For gratings surface, we could paint them like the wall if necessary.



3 USE REMOTE CONTROL

3.1 INTRODUCTION OF LCD ICONS

Icons	Means	Icons	Means
	Auto		Fan speed
	Cooling		Air flow direction
	Dry		Timer off
	Fan		Timer on
	Heating		Sleep
	Electrical heat		Temp
	Clock Not used		Not used

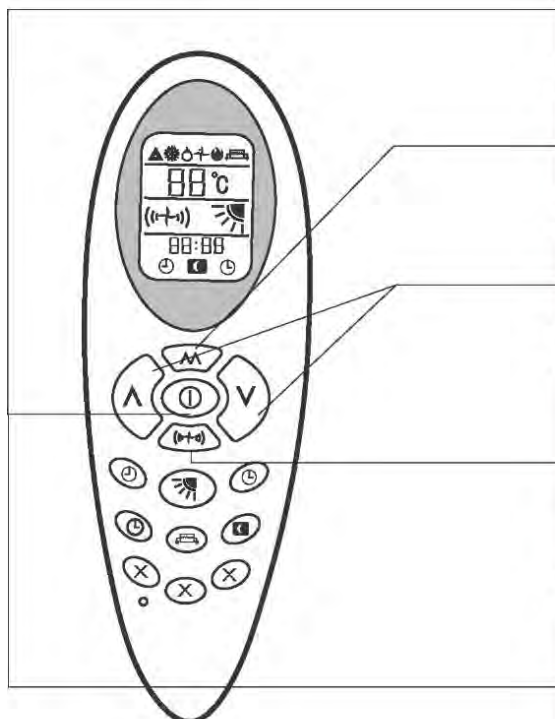


3.2 REMOTE CONTROL FUNCTIONS

- ① **MODE BUTTON:** Set up the air conditioner operating mode
- ② **ON/OFF BUTTON:** Turn on or turn off the air conditioner
- ③ **UP BUTTON:** Increase the temperature and time
- ④ **DOWN BUTTON:** Decrease the temperature and time
- ⑤ **FAN SPEED BUTTON:** Set up the fan speed
- ⑥ **TIMER ON BUTTON:** Set up the time the air conditioner starts
- ⑦ **TIMER OFF BUTTON:** Set up the time air conditioner stops
- ⑧ **CLOCK BUTTON:** Adjust the clock
- ⑨ **LOUVER SWING BUTTON:** Adjust the air flow direction (no use with this unit)
- ⑩ **SLEEP BUTTON:** Automatically adjusting the setting temperature according the circadian rule
- ⑪ **RESET BUTTON**
- ⑫ **ELECTRICAL HEAT BUTTON:** Not present

3.3 HEATING MODE


Sequence of the operation



1

Press the **ON/OFF** button “①”, switch on the air conditioner, it will run by memory mode.






2

Press the **MODE** button “M”, set up the mode to heat “”, the air conditioner will run in heating.

3

Press **UP** “^” or **DOWN** “v” button, to adjust the setting temperature.

4

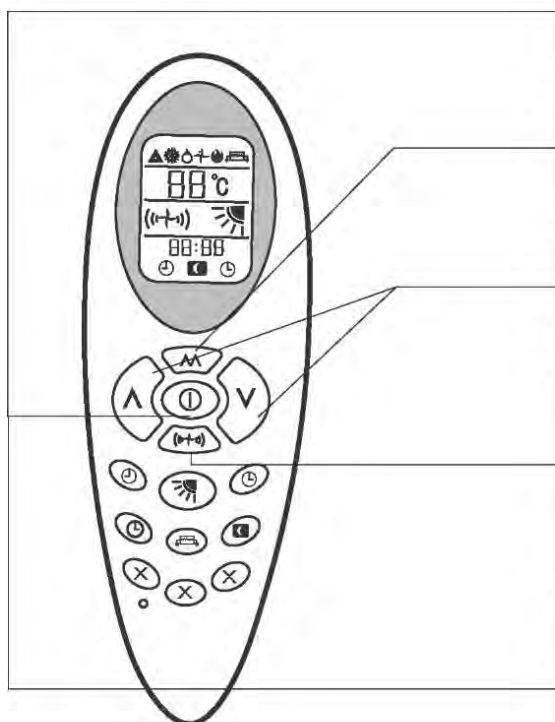
Press the **FAN SPEED** button “()”, set up the fan speed,  is low,  is middle,  is high,  flashing is auto. For auto fan, the speed is chosen by the difference of room temperature and setting temperature.

5

Press the **ON/OFF** button “①”, switch off the unit. Next time when this button is pressed, the unit will operate in this mode by memory.

3.4 COOLING MODE


Sequence of the operation



1

Press the **ON/OFF** button “①”, switch on the air conditioner, it will run by memory mode.






2

Press the **MODE** button “M”, set up the mode to cool “”, the air conditioner will run in cooling.

3

Press **UP** “^” or **DOWN** “v” button, to adjust the setting temperature.

4

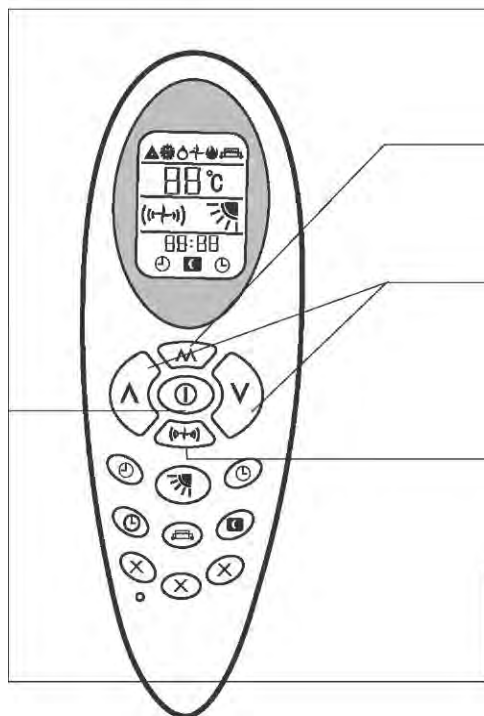
Press the **FAN SPEED** button “()”, set up the fan speed,  is low,  is middle,  is high,  flashing is auto. For auto fan, the speed is chosen by the difference of room temperature and setting temperature.

5

Press the **ON/OFF** button “①”, switch off the unit. Next time when this button is pressed, the unit will operate in this mode by memory.

3.5 DRY MODE

Sequence of the operation



1 Press the **ON/OFF** button “①”, switch on the air conditioner, it will run by memory mode.

2 Press the **MODE** button “M”, set up the mode to dry “☉”, the unit will run in dehumidifying.

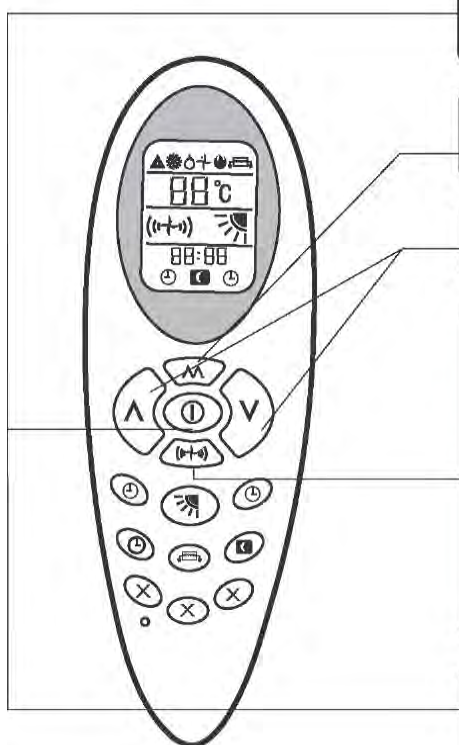
3 Press **UP** “^” or **DOWN** “v” button, to adjust the setting temperature.

4 **FAN SPEED** button is “((+))” disable, indoor fan speed always is low in dry mode. (+)

5 Press the **ON/OFF** button “①”, switch off the unit. Next time when this button is pressed, the unit will operate in this mode by memory.

3.6 FAN MODE

Sequence of the operation



1 Press the **ON/OFF** button “①”, switch on the air conditioner, it will run by memory mode.

2 Press the **MODE** button “M”, set up the mode to fan “+”, the air conditioner will run in fan.

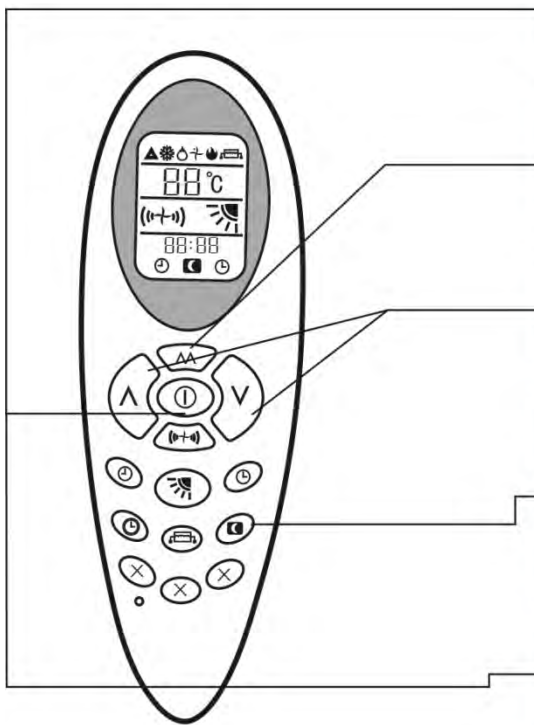
3 Press **UP** “^” or **DOWN** “v” button, to adjust the setting temperature.

4 Press the **FAN SPEED** button “((+))”, set up the fan speed, (+) is low, ((+)) is middle, (((+))) is high, flashing is auto. For auto fan, the speed is chosen by the difference of room temp and setting temp.
 Room temp-setting temp > 5 °C, high speed.
 Room temp-setting temp > 3 °C, middle speed.
 Room temp-setting temp > 1 °C, low speed.

5 Press the **ON/OFF** button “①”, switch off the unit. Next time when this button is pressed, the unit will operate in this mode by memory.

3.7 SLEEP MODE

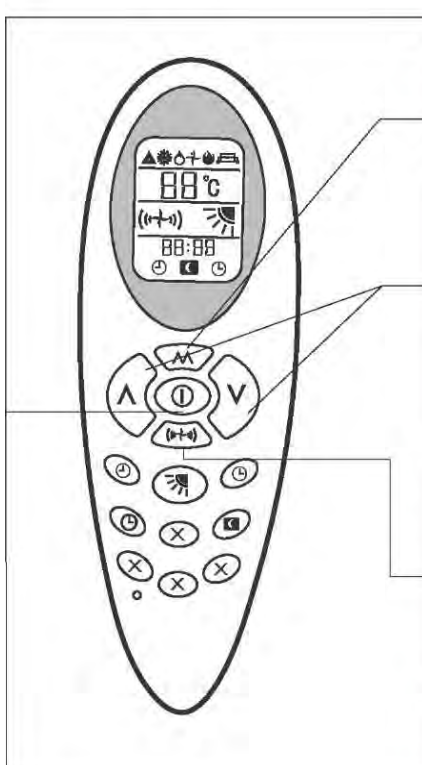
Sequence of the operation



- 1** Press the **ON/OFF** button “①”, switch on the air conditioner, it will run by memory mode.
- 2** Press the **MODE** button “M”, set up the mode to cool “❄️”, heat “🔥”, auto “▲”, the air conditioner will run in setting mode.
- 3** Press **UP** “^” or **DOWN** “v” button, to adjust the setting temperature.
- 4** Press the **SLEEP** button “🌙”, this icon will display on LCD, sleep function is set up; press it again, cancel the **SLEEP** function.
- 5** If the **SLEEP** function is launched, the fan speed is steady in low speed.

3.8 AUTO MODE

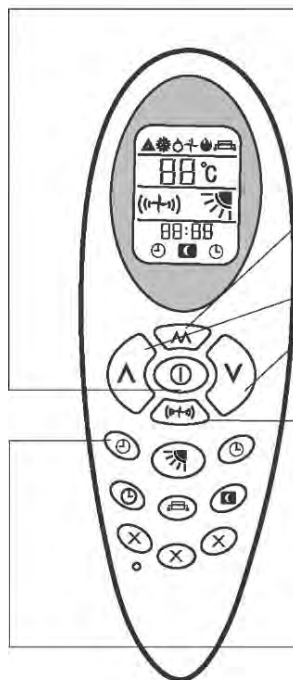
Sequence of the operation



- 1** Press the **ON/OFF** button “①”, switch on the air conditioner, it will run by memory mode.
- 2** Press the **MODE** button “M”, set up the mode to auto “▲”, the unit will run in Auto mode.
- 3** According to the difference of room temp and setting temp, automatically choose the running mode (cool,heat,fan). The temp setting button **UP** “^” and **DOWN** “v” are disable.
When room temperature $\leq 20^{\circ}\text{C}$, run with heating mode.
When $20^{\circ}\text{C} < \text{room temperature} < 25^{\circ}\text{C}$, run with fan mode.
When room temperature $\geq 25^{\circ}\text{C}$, run with cooling mode.
- 4** Press the **FAN SPEED** button “(+)”, set up the fan speed, + is low, (+) is middle, (++) is high, flashing is auto. For auto fan, the speed is chosen by the difference of room temperature and setting temperature.
- 5** Press the **ON/OFF** button “①”, switch off the air conditioner. Next time when this button is pressed, the air conditioner will operate in this mode by memory.

3.9 TIMER OFF FUNCTION

Sequence of the operation



1

Press the **ON/OFF** button “①”, switch on the air conditioner, it will run by memory mode.

2

Press the **MODE** button “M”, set up the mode to which you want.

3

Press **UP** “^” or **DOWN** “v” button, to adjust the setting temperature.

4

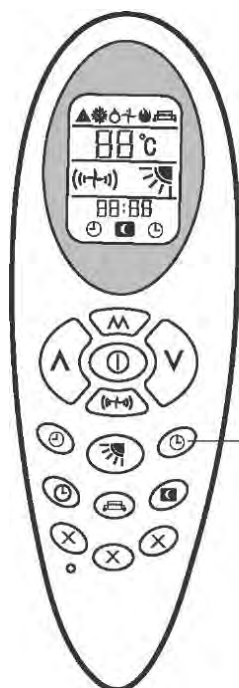
Press the **FAN SPEED** button “(+)”, set up the fan speed, (+) is low, (++) is middle, (+++) is high, flashing is auto. For auto fan, the speed is chosen by the difference of room temperature and setting temperature.

5

Press the **TIMER OFF** button “⌚”, set up the time air conditioner switch off. Press the button “^” each time, adjusting up 1 hour. Press the button “v” each time, adjusting up 1 minute. When the time is over, the air conditioner will be switched off automatically. If press this button again before the air conditioner switch off, the **TIMER OFF** setting will be cancelled.

3.10 TIMER ON FUNCTION

Sequence of the operation



1

The air conditioner is switched off.

2

Press the **TIMER ON** button “⌚”, set up the time which the air conditioner switched on. Press the button “^” each time, adjusting up 1 hour. Press the button “v” each time, adjusting up 1 minute. Set up the operation **MODE, TEMPERATURE, FAN, SPEED**, etc., when the time is arrived, the air conditioner will start automatically. If the **TIMER ON** button is pressed again, the **TIMER ON** setting will be cancelled.

4 METROPOLITAN ACCESSORY

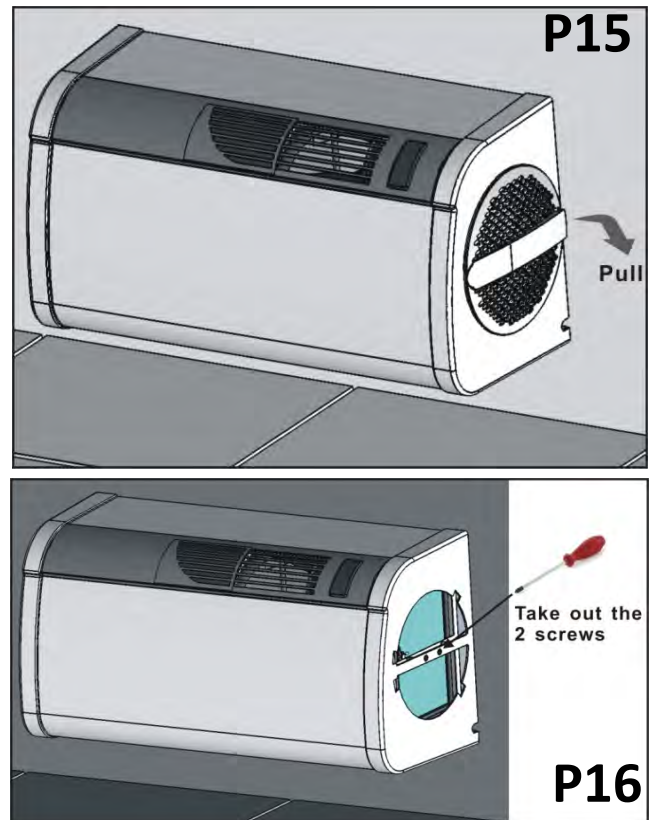
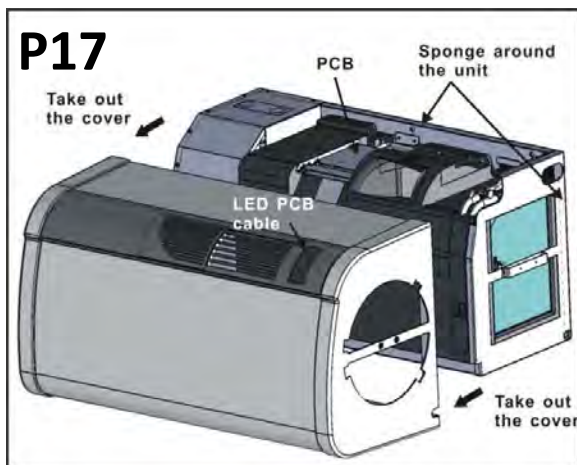
Metropolitan 10 HP and 12 HP , is equipped with some standard accessories and some optional accessories .

STANDARD ACCESSORIES :

To have access inside the machine please proceed in this way:

Proceed to open the plastic cover like below:

- Move the both sides filter gratings(P15)
- Take out the 2pcs screws by screw driver. (P16)
- Move the plastic cover from unit as arrow direction. Just take care and disconnect the LED display cable, also sponge around the unit cover.(P17)



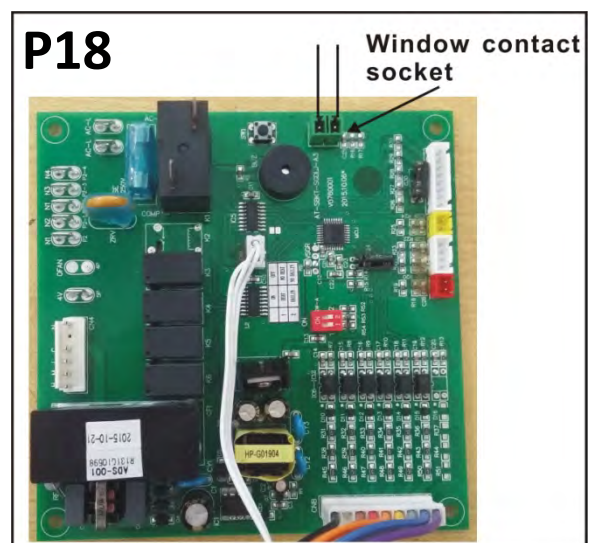
4.1 CLEAN CONTACT FUNCTION (WINDOW OR KEY CARD)

This unit has CLEAN CONTACT function on the main PCB, mainly used for hotel, office .

This function could be used for window contact or key card contact .

With connection of WINDOW CONTACT, when the contact (window or card) opens for 60 seconds, the air conditioner would stop running until window close again.

The PCB is located on the top of the unit, please take out plastic cover and connect the window contact socket.



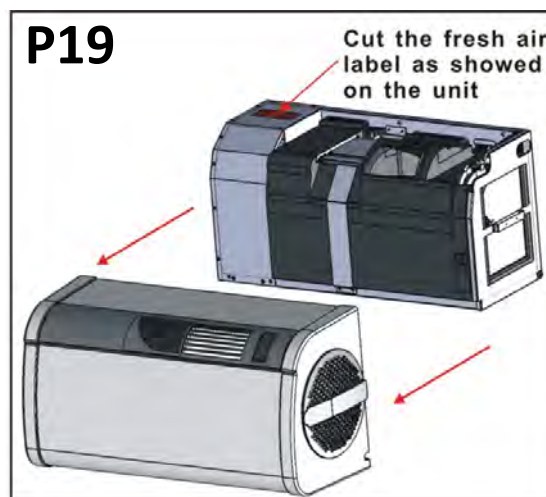
4.2 FRESH AIR SYSTEM

Fresh air system is studied to reduce CO2 inside room . This function is necessary for Hotel guest room but also to reduce CO2 inside room where there are many peoples inside .

When the fresh air system is open, the air conditioner will change the room air automatically. In this way new clean and fresh air will intake to the room.

There is two air fresh level 25 m³/h and 50 m³/h .

See 4.1 to take out the plastic cover, cut the label and the insulating below the label for the air fresh volume required .



OPTIONAL ACCESSORIES :

For the Optional accessory ask them to your installer or your professional reseller .

4.3 WALL PAD FUNCTION

This unit could be connected with wall pad, our factory propose our models HL109FCV2 like the picture showed but similar models are available in the market . With wall pad connection, we could unite a net with several units, and one wall pad can control one unit but also all the units connected same time.

There are temperature adjusting knob and graduation mark on the panel. There are also the switch of fan speed HIGH-MED-LOW and the switch of HEAT-OFF-COOL on the panel. The operation steps as follows:

-Turn ON/OFF: Push the switch to HEAT when heating, or push the switch to COOL when cooling. When push the switch to the OFF position, the wall pad will be turned off.

-Temperature setting: Turn the temperature adjusting knob to the desired temperature.

-Fan speed selection: Push the fan speed selecting switch to one of HIGH-MED-LOW.

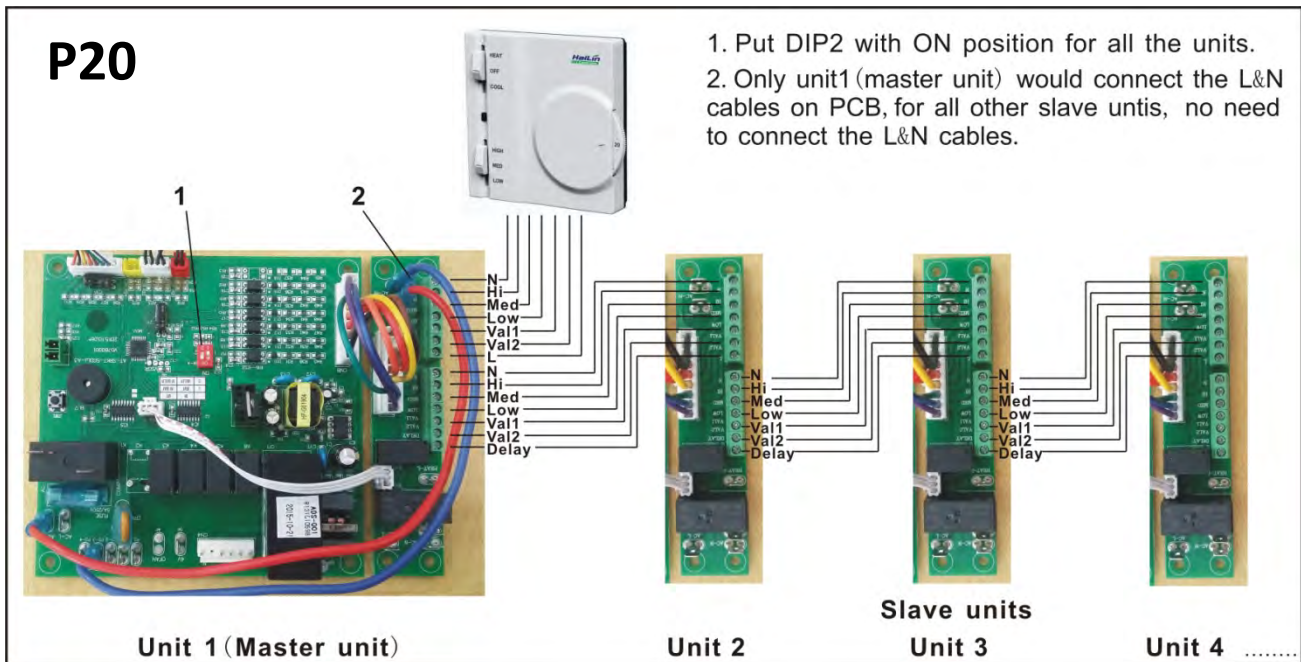
-LED indicates operation state: in RED shows the power is on, in Orange shows under heating or cooling.

Note: When you use wall pad connected the machine or net of machines , the room sensor active is only the wall pad room sensor .



4.4 WALL PAD INSTALLATION

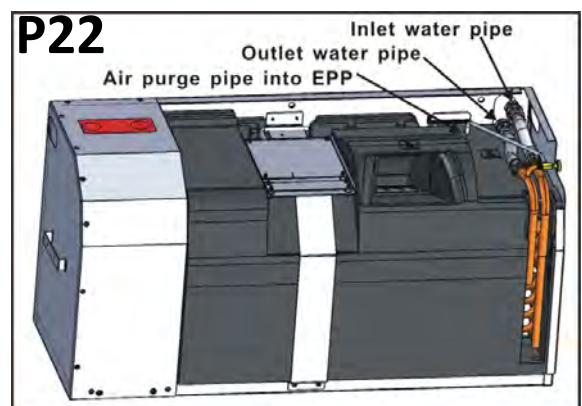
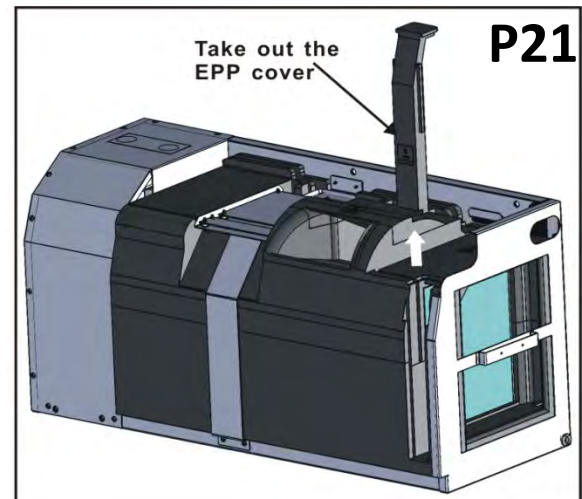
- The main PCB is on the top of the unit.
- It's possible to connect one wall pad for one machine like below scheme or is possible to connect the a small net system (20-30 machines)
- When you connect a net, and turn on the air conditioner by wall pad, unit 1 would start immediately, and unit 2 would delay 5 seconds, unit 3 would delay 5 seconds from unit 2...The 5 seconds delay is important for the electrical system to avoid over pick current .
- Put DIP2 with ON position, PCB is selected with wall pad function. Unit would work only with wall pad, remote control is invalid, and Auto-restart function is available with wall pad mode.

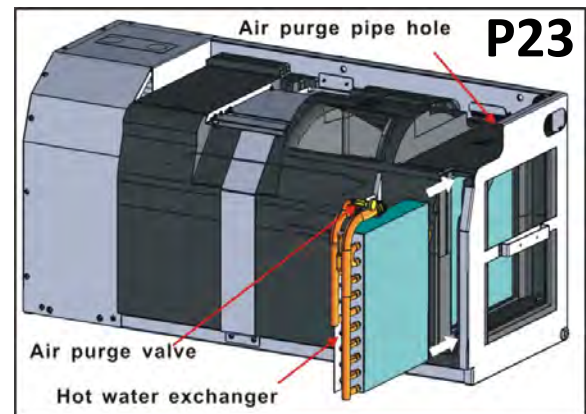
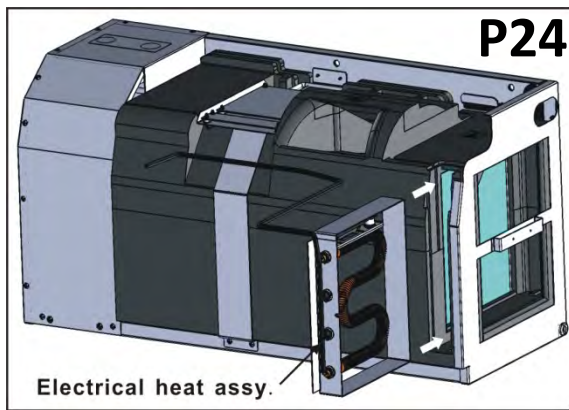


4.5 HOT WATER EXCHANGER INSTALLATION

Hot water exchanger is useful optional to replace water radiator below the window, improving machine performance and energy saving for your room installation .

- To install this you must remove the insulation sponge and EPP cover. (P21)
- Insert the hot water exchanger inside the unit, and fix it well with right position.
- Remove indoor temperature sensor (NTC) to outside, and fix it on the hot water exchanger.
- Connect inlet & outlet water pipe well.
- Connect the hot water coil sensor to main PCB with yellow socket and fix the cable well on EPP.
- Insert the air purge pipe into the EPP hole.
- Open the water system device. Open the air purge valve to release the air inside the exchanger. If there is no air inside the air purge pipe, close the valve. And check the hydraulic seal of the gasket.





4.6 ELECTRICAL HEAT INSTALLATION

When it is very cold in winter, and need good heating performance with temperature lower than zero°C. So, electrical heat is suggested to use inside the air conditioner to improve in automatic way the performance .

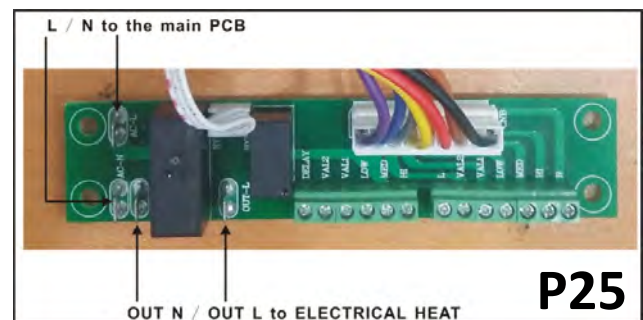
-Remove the insulation sponge and EPP cover.

-Remove indoor temperature sensor(NTC) to outside, and fix it on metal frame.

-Insert the electrical heat inside the unit, and fix it well with right position.(P24)

-Connect the cable from electrical heat to main PCB. (P25)

- Put DIP1 with ON position, PCB is selected with extra electrical heat function, electrical heat would work automatically when outdoor temperature is very low.

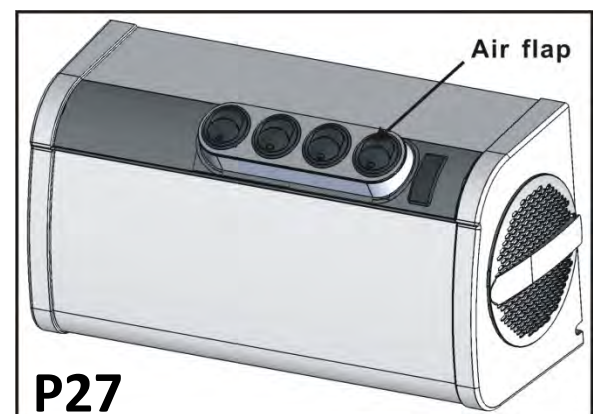
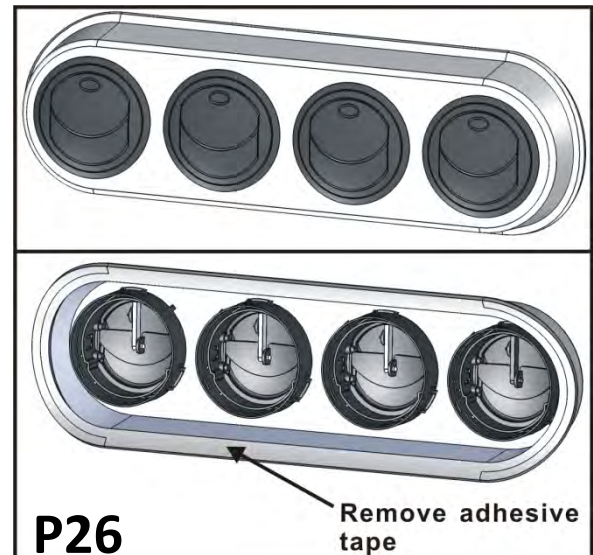


4.7 MULTIDIRECTIONAL AIR SYSTEM

This accessory is studied to control air direction at 360 °C . To install it is easy .

Remove the adhesive tape from the back of the sponge, and fix the accessory on the top of the unit. (P26,27)

Rotate the round air flap and control it to the specified direction as you like.

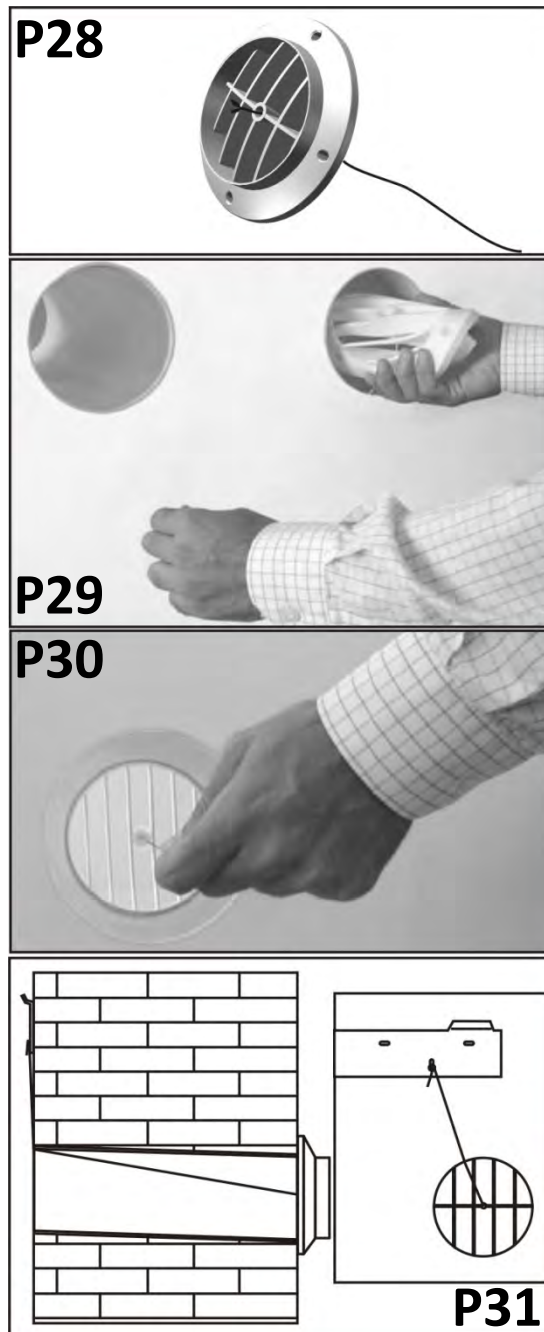


4.8 SOFT GRATINGS INSTALLATION

To fix the external two soft gratings, please proceed as following:

Familiarize yourself with the fitting of the grating to the tube before installation. Insert the cords through the centre hole of grating. Fold the outer grating in half grasping the cord with your free hand. Insert your arm inside the pipe with the grating and push all the way to the outside. Let the grating unfold and pull the cord toward you. Both gratings fit on the inside of the tube. With a little patience and manipulation the 2 gratings will fit the end of the tubes. Grasping the cord, insert our fingers between the fins and pull the grating toward you until the same is properly slipped in the pipe, keeping the fins in vertical position.

If the external grating is accessible to prevent its removal, it is recommended to fasten it to the wall with wall plugs and screws with a diameter of 6mm. Tighten the cord and fasten it to the dent on the internal flanges.

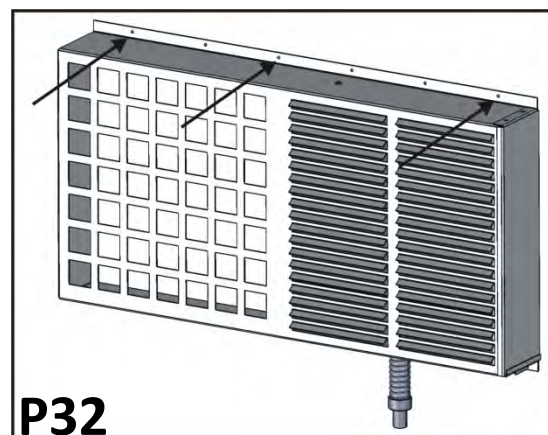


4.9 OUTSIDE GRILLE INSTALLTION

This accessory is studied to protect the inlet & outlet air holes.

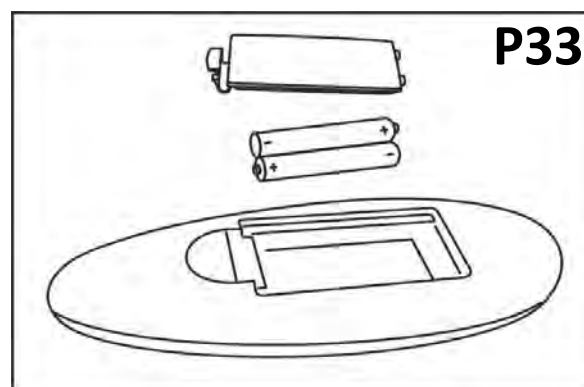
Drill the screw holes on the wall with correct position, and fix it with screws. Keep the drainage pipe out from the bottom.

If outdoor ambient has dirty air change filter often .



4.10 INSTALL AND CHANGE THE BATTERY

- Open the cover of battery, hold the hook and lightly pull up.
- Insert the battery (AAA,2pcs), the positive must be same with the mark on the plastic surface.
- Reinstall the cover of battery.
- Inspection: if press **ON/OFF** button "", no icons are displayed, please install the battery again.



4.11 MAINTENANCE (P34,P35,)

FILTER CLEANING:

The filter should be regularly cleaned to keep the air conditioner running efficiently. Clean the filter every two weeks.

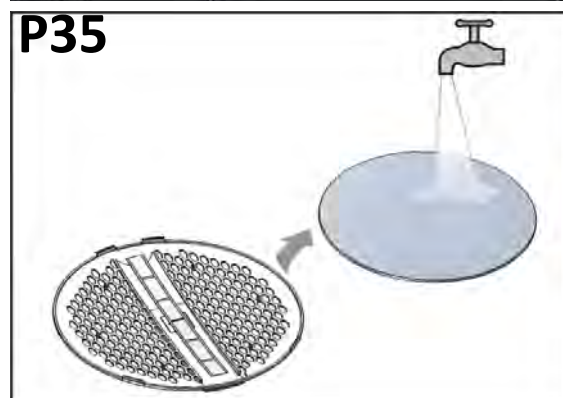
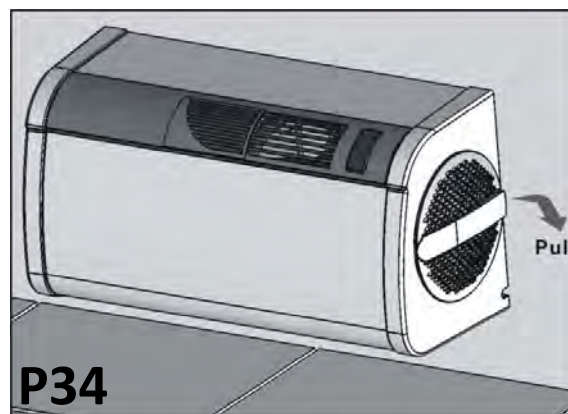
How to proceed:

- Disconnect the air conditioner from the electrical supply.
- Extract the filter grating. (P34) on the same direction of the arrow.
- Take out the filter as shown. (P35)
- Proceed to wash it (not use hot water) and only when they are dried replace them in the same way.

ATTENTION: Do not use the air conditioner without filter as it could seriously damage the air conditioner.

EXTERNAL CLEANING:

- Disconnect the air conditioner from the electrical supply.
- Wipe external surfaces clean with a damp cloth only.
- Do not use an abrasive cloth and/or solvents, as this may damage the surfaces.
- Do not use excessively wet cloth or sponges, as water stagnation could damage the air conditioner and compromise safety.



4.12 PROBLEM SOLVING

Anomaly	Possible cause	Solution
The appliance doesn't switch on	No power supply	Check the voltage (by turning the light on, for example). Check that the exclusive magneto-thermic switch that protects the appliance hasn't intervened (if it has, reset it). If the problem repeats immediately, please call the Service Centre and avoid trying to make the appliance work
	Batteries ran out	Substitute the batteries inside remote control
The appliance doesn't switch on and Green LED flash 1Hz	Window or key contact is open	Close the window or insert key card
The appliance does not cool or heat enough.	The set temperature is too high or too low	Check and adjust the temperature on the remote control
	The air filter is clogged	Check the air filter and clean it if necessary
	Check that there are no other obstacles of the air flow both inside and outside	Remove anything that might block the air flow
	The thermal refrigeration load has increased (for example, a door or a window has been left open or an appliance has been installed in the room, generating a lot of heat).	Try to reduce the thermal refrigeration load of the room with the following advice: Cover large windows exposed to sunlight with curtains or with external maskings (blinds, porches, reflecting films, etc.); The room must remain closed for as long as possible; Avoid turning on halogen lamps or other high energy consumption appliances such as small ovens, steam irons, cooking plates etc.
The appliance work but BLUE LED flash 1Hz	temperature sensor is damaged	Machine can work but is better to contact service as soon as you have time
RED LED flash 1Hz	Water coils is connected but water temperature is too high	Reduce water temperature



-If the supply cord damaged, it must be replaced by manufacture or its service agent or a similar qualified person in order to avoid a hazard.

- The unit has Auto-restart function. When electrical current is switched off during working mode, the unit would stop working. When electrical current is switched on, unit would work with former working mode automatically, no need to Turn ON the unit by remote control.

-The max operation temperature for the air conditioner (max cooling: outdoor DB43°C/WB26°C, indoor DB32°C/WB23°C; min heating: outdoor DB-5°C/WB-6°C, indoor DB20°C).

-This appliance is not intended for use by person(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.

FRANÇAIS

1. INFORMATIONS GENERALES

1.1 INTRODUCTION

NOTE: Ne jetez aucun emballage d'origine tant que l'installation du climatiseur n'est pas achevée. Après avoir déballé le produit, vérifiez que tout le contenu est intact et complet. (Voir liste des accessoires et options). En cas de pièces manquantes, contactez votre revendeur.

Ce climatiseur a été conçu pour rafraîchir ou réchauffer l'air d'une pièce, et ne doit être utilisé qu'à cet effet.

Le fabricant ne peut être tenu responsable pour des dommages causés à des biens ou des personnes à la suite d'une installation, utilisation ou maintenance incorrecte de cet appareil.

Ce climatiseur contient du gaz réfrigérant R32. En fin de vie, le recyclage de ce climatiseur doit être effectué en conformité avec la réglementation. Au cours de l'opération de recyclage, sa manipulation doit être effectuée avec toutes les précautions d'usage. Veuillez contacter les autorités locales ou les professionnels accrédités dans le recyclage de ce type de produits.

Ne mettez pas en marche ce climatiseur avant son installation complète et définitive dans la position de bon fonctionnement indiquée ci-après.

Avant la mise en marche, vérifiez que le produit est relié à la terre électrique selon la législation en vigueur dans le pays d'installation.

1.2 INSTRUCTIONS IMPORTANTES DE SECURITE



Lors de l'utilisation d'appareils électriques, des précautions d'usage basiques doivent être impérativement suivies :

Ne placez pas d'objets sur le climatiseur ou ne laissez pas d'objets obstruer les entrées et sorties d'air.

Une précaution extrême est requise lors de l'utilisation en présence d'enfants ou d'animaux domestiques. Le climatiseur ne doit pas être laissé en fonctionnement sans la présence d'un adulte.

Veillez noter:

Avant de mettre en marche le climatiseur, déballez-le de son carton et vérifiez qu'il ne présente pas de défauts visibles.

Ne laissez pas les enfants jouer avec l'emballage, et notamment les sous-emballages plastiques.

Ne mettez / remettez pas en marche un climatiseur qui présenterait un cordon électrique endommagé, ou qui présenterait lui-même un aspect endommagé, ou des signes de mauvais fonctionnement.

Si le climatiseur présente des défauts visibles, retournez-le chez votre revendeur ou à un service spécialisé dans l'examen et la réparation de ce type de produits afin d'éviter tout risque.

N'essayez-pas de réparer ou ajuster les dispositifs électriques ou mécaniques de ce climatiseur car cela pourrait rendre la garantie caduque. Contactez plutôt votre revendeur ou un service spécialisé dans ce domaine.

Utilisez toujours ce climatiseur avec une source électrique du même voltage / fréquence / niveau qu'indiqué sur l'étiquette d'identification collée sur le produit.

Ce climatiseur n'est pas destiné à être utilisé dans des endroits saturés d'humidité ou confinés.

Ne placez pas ce climatiseur à proximité d'un appareil de cuisson à gaz ou électrique, ou de façon générale de tout appareil dégageant de la chaleur, des flammes ou présentant des surfaces chaudes.

Ne laissez pas le câble électrique dépasser et risquer de faire trébucher quelqu'un.

Ne placez jamais le câble électrique sous un tapis ou une moquette. Ne faites pas fonctionner le climatiseur dans des endroits où sont utilisés ou stockés de l'essence, de la peinture ou tout autre liquide inflammable.

Ne procédez à aucune opération de nettoyage ou maintenance, ne touchez aucune partie interne du climatiseur tant qu'il n'a pas été débranché des sources d'alimentation électrique.

Ne modifiez pas les dispositifs de sécurité ou régulation du climatiseur sans l'autorisation ou les instructions du constructeur.

Ne pas étirer, enlever ou tordre le câble électrique raccordé au climatiseur, même lorsque l'appareil est déconnecté des sources d'alimentation électrique.

Eviter les contacts directs et prolongés avec les flux d'air du climatiseur et de laisser la pièce fermée et non ventilée pendant une longue période.

Les réparations ou la maintenance doivent être effectuées par des techniciens qualifiés ou un service spécialisé, en conformité avec les instructions données par ce manuel. Ne modifiez pas l'appareil, cela pourrait créer des situations dangereuses et des dommages ou blessures dont le fabricant ne saurait porter la responsabilité.

Ce manuel d'instructions fait partie intégrante de l'appareil et doit à ce titre être soigneusement entretenu et disponible auprès de l'appareil dans l'éventualité d'un transfert à un autre utilisateur, propriétaire ou technicien de maintenance ou installation. En cas de destruction ou perte du manuel, veuillez en récupérer un exemplaire auprès du revendeur ou du fabricant.

1.3 RECEPTION DU PRODUIT

Le climatiseur et ses accessoires sont livrés dans un emballage protecteur, accompagnés d'un manuel d'instruction.

NOTE IMPORTANTE: conservez l'emballage d'origine pendant la période de garantie de 2 ans. En cas de défaut ou de panne, l'appareil doit être rapporté au revendeur muni de son emballage original. Tout retour sans emballage d'origine rendra caduque la garantie de 2 ans.

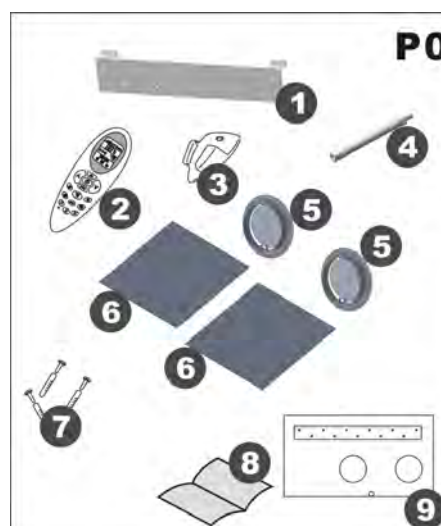
Ce manuel fait partie intégrante du climatiseur et doit être à ce titre lu attentivement et conservé. Au moment du déballage, veuillez vérifier que le climatiseur et les accessoires sont au complet et non endommagés.

1.4 MANIPULATION DU PRODUIT

Prenez connaissance du poids du climatiseur avant d'essayer de le soulever. Prenez toutes les précautions nécessaires afin d'éviter d'endommager le produit ou de risquer des blessures. Il est conseillé de ne retirer l'emballage qu'une fois le climatiseur rendu à destination de sa zone de pose. Enlevez avec précaution les bandes adhésives de l'emballage et les protections à l'intérieur de l'emballage et autour du climatiseur. Les accessoires et les composants de l'emballage doivent être disposés convenablement et à distance des enfants dans la mesure où ils peuvent représenter un danger.

1.5 LISTE DES ACCESSOIRES FOURNIS (P0)

1. PLATINE DE SUPPORT MURAL
2. TELECOMMANDE
3. SUPPORT MURAL DE TELECOMMANDE
4. TUYAU D'EVACUATION DES CONDENSATS
5. GRILLES DE FAÇADE MURALE EXTERIEURES
6. FOURREAUX (POUR FLUX D'AIR)
7. VIS ET CHEVILLES POUR SUPPORT MURAL
8. MANUEL D'INSTALLATION ET UTILISATION
9. GABARIT PAPIER



Metropolitan 10HP, 12HP est en conformité avec les directives européennes:

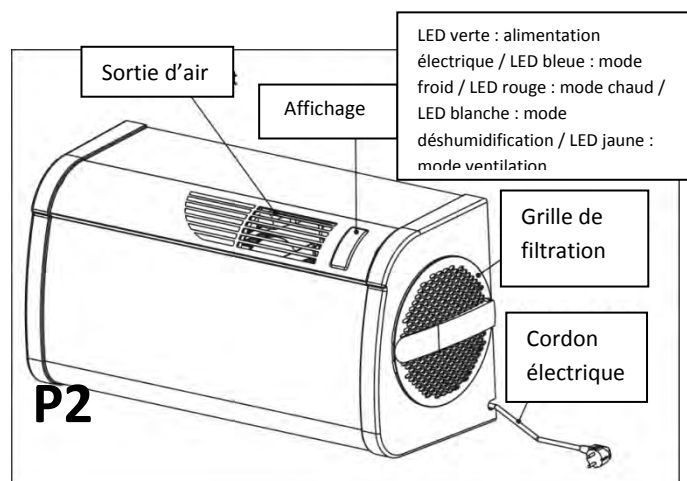
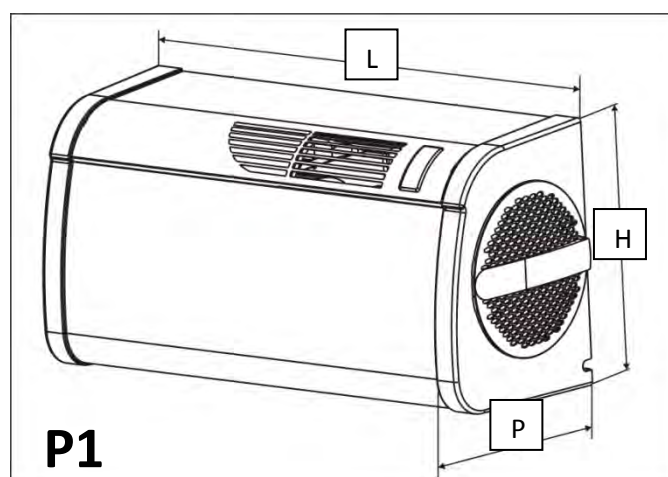
- 2014/35EU - Basse tension & 92/31/EEC 93/68/EEC - Amendements
- 2004/108/CE - Compatibilité électromagnétique
- 2011/65/UE - Limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques (RoHS2)
- 2002/96/CE (DEEE) - Déchets d'équipements électriques et électroniques
- 2010/30/UE - Indication, par voie d'étiquetage et d'informations uniformes relatives aux produits, de la consommation en énergie et en autres ressources des produits liés à l'énergie



Les déchets électriques ne doivent pas être éliminés avec les ordures ménagères. Veuillez-vous renseigner sur les possibilités de recyclage près de chez vous. Contactez les autorités locales ou votre revendeur pour des conseils en matière de recyclage. Ne jetez pas ces produits avec les ordures ménagères municipales. Veuillez effectuer le tri de ces ordures pour un traitement adapté si nécessaire. Les piles utilisées pour le fonctionnement de la télécommande contiennent des matériaux qui sont dangereux pour l'environnement. Les piles en fin de vie doivent être enlevées de la télécommande et éliminées ou recyclées de façon responsable pour l'environnement.

1.6 CARACTERISTIQUES TECHNIQUES (P1,P2)

Modèle	10HP	12HP
Puissance de refroidissement (W)	2410	2750
Puissance de chauffage (W)	2350	2550
Appoint électrique* (chauffage) (W) (en option)	1000	1000
Alimentation (V)	230	230
Puissance électrique absorbée en froid* (W)	862	1050
Intensité en mode froid (A)	3.9	4.6
Puissance électrique absorbée en chaud* (W)	750	800
Intensité en mode chaud (A)	3.3	3.5
Flux d'air (m3/h)	400	450
Niveau sonore (dB/A)	50	50
Capacité de déshumidification* (L/24h)	21.6	25,2
Plage de fonctionnement (télécommande)	18-30°C	18-30°C
Fusible (T3,15a)	250V	250V
Gaz réfrigérant	R32	R32
Potentiel de réchauffement global (GWP)	675	675
Dimensions H/L/P (cm)	84x43x33	84x43x33
Poids net (kg)	41	42



*Les données ci-dessus peuvent être modifiées sans préavis afin d'améliorer les performances du produit.

CONDITIONS DE TEST STANDARD –EN 14511-**CONDITIONS DE FONCTIONNEMENT EN MODE FROID ET DESHUMIDIFICATEUR :**

-Intérieur 27°C DB, 19°C WB

-Extérieur 35°C DB, 24°C WB

CONDITIONS DE FONCTIONNEMENT EN MODE CHAUD :

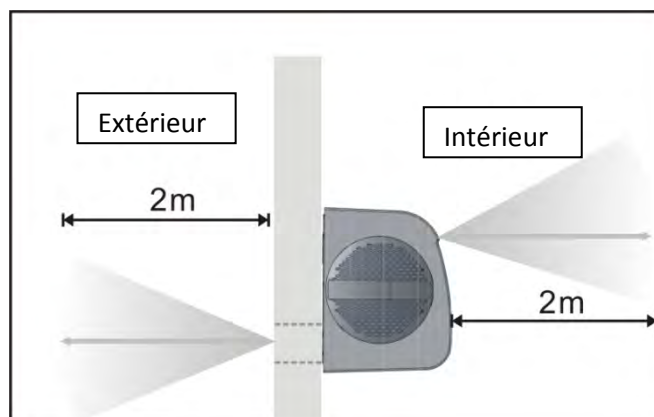
- Intérieur 20°C DB

- Extérieur 7°C DB, 6°C WB

2 INSTALLATION**2.1 POSITIONNEMENT DU CLIMATISEUR (P3)**

Pour maintenir la meilleure performance de votre climatiseur et prévenir les pannes ou le danger, vous devez le positionner de façon correcte. Veuillez suivre toutes les recommandations et instructions ci-dessous. Ne pas les suivre pourrait être source de problèmes potentiels liés à l'installation.

- Le climatiseur doit être installé à l'intérieur d'une pièce, sur un pan de mur dont l'autre pan est en contact avec l'extérieur, et avec un minimum de 2 mètres de dégagement de part et d'autre.
- Le climatiseur doit également être positionné avec suffisamment d'espace autour de lui latéralement, comme indiqué sur le gabarit papier de pose (voir page suivante).
- Le mur sur lequel le climatiseur est installé doit être assez résistant et solide pour supporter le poids du climatiseur.



Après avoir déterminé le meilleur emplacement pour l'installation comme décrit ci-dessus, veuillez-vous assurer que le mur peut être percé dans la zone choisie sans interférer avec d'autres installations, structures ou réseaux (poutres, piliers, tuyaux, câbles, etc.).

Assurez-vous également qu'il n'y a pas d'obstacles du côté extérieur du mur qui pourraient obstruer la circulation d'air passant par les 2 trous de 16 cm de diamètre qui seront à percer, par exemple : des plantes et leur feuillage, des treillages ou lattes de bois, tuyaux, gouttières, grillages, etc. Toute source d'obstruction peut interférer avec le bon fonctionnement du climatiseur.

2.2 GABARIT PAPIER DE POSE (P4)

Ne fixez le gabarit papier au mur qu'après avoir bien vérifié les consignes ci-après.

- Ne percez aucun trou avant d'être parfaitement certain qu'il n'y a aucun obstacle dans la zone où vous souhaitez percer et qu'il n'y a pas d'obstacles qui pourraient être cachés à l'intérieur du mur comme par exemple : câbles électriques, conduits d'eau ou gaz, poutres, linteaux de soutènement.
- Utilisez impérativement un niveau à bulle car le climatiseur doit être posé à l'aplomb.
- Veuillez suivre l'intégralité des instructions de pose.

