



Room Air Conditioners

Portable Range

Local Air Conditioners



ECO12P



Register your air conditioner

Model information can be found on the CE label.

Please register your product online at www.ecoair.org. For your future convenience, record the model information below.

MODEL NUMBER

SERIAL NUMBER

PURCHASE DATE

Congratulations!

You have purchased the very latest in room air conditioner technology. Your new EcoAir high efficiency room air conditioner will give you many years of dependable service. Many features have been built into your EcoAir air conditioner to assure quiet operation, the best circulation of cool, heat, fan & dry functional controls, and the most economical operation.

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WEEE/EC2601UR

You must not dispose of this appliance as unsorted waste or with domestic household waste.

Please observe local regulation for disposal.

Most Local authorities have specific collection systems for appliances where disposal is free of charge to the end user.

BS Plug Wiring

Wiring Instructions: Should it be necessary to change the plug please note the wires in the mains lead are coloured in accordance with the following code:

BLUE - NEUTRAL
BROWN - LIVE
GREEN AND YELLOW - EARTH

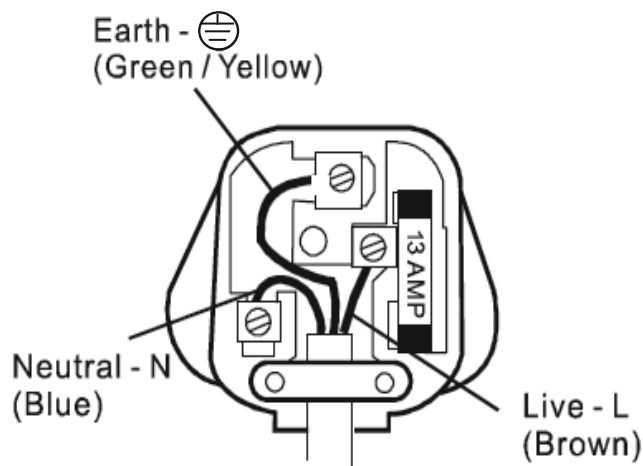
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

1. The **BLUE** wire is the **NEUTRAL** and must be connected to the terminal which is marked with the letter **N** or coloured **BLACK**.
2. The **BROWN** wire is the **LIVE** and must be connected to the terminal which is marked with the letter **L** or coloured **RED**.
3. The **GREEN/YELLOW** is the **EARTH** and must be connected to the terminal which is marked with the letter **E** or  or coloured **GREEN** OR **GREEN/YELLOW**.
4. Always ensure that the cord grip is positioned and fastened correctly.

If a **13A (BS 1363)** fused plug is used it must be fitted with a **13A** fuse. If in doubt consult a qualified electrician.

Wiring for a 13 Amp Plug (BS1363)

Please note. The Earth Terminal is marked with the letter **E** or  Earth Symbol.



SPECIFICATION

Model no.	ECO12P
Cooling Capacity	12000 BTU/hr 3520watts
Heating Capacity	12000 BTU/hr 3520watts
Power / Ampere consumption for cooling	1350 W / 6.0A
Power / Ampere consumption for heating	1170 W / 5.2A
Air Volume (max. speed)	420/380/320 m3/h
Humidity removal capacity	1.00 L/hour
Power supply	220-240V~50Hz
Compressor	rotary
Sound Pressure	55/53/51 dB(A)
Sound Power	65/63/61 dB(A)
Refrigerant	R410A (980g)
Fan speed	3
Timer	1~24 hours
Working temperature	Cooling: 16~35 °C Heating: 10~27 °C
Exhaust pipe	Ø 150mm x 1500mm
Net Weight	40 Kgs
Gross Weight	45 Kgs
Net Dimension	375 x 755 x 442 mm (WxHxD)
Gross Dimension	437 x 885 x 555 mm (WxHxD)

SUMMARY

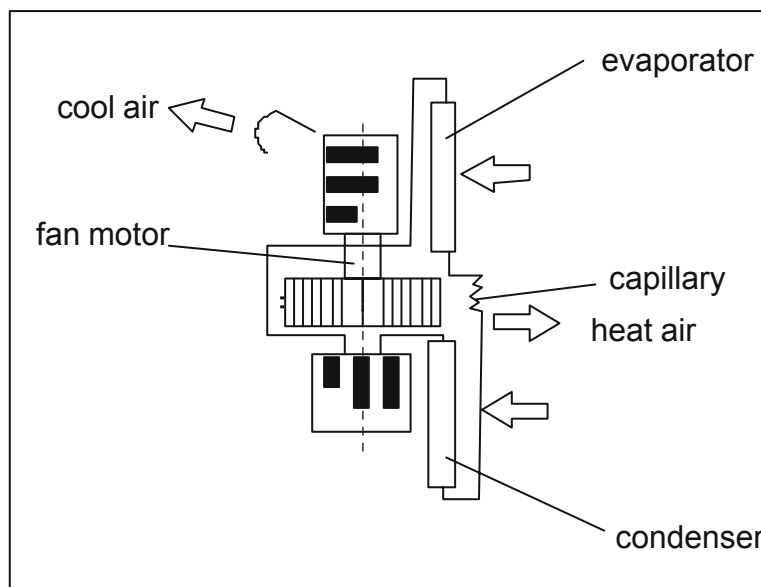
This compact and energy efficient air conditioning unit can be moved to different locations within your home or office. With its multiple functions of COOL, HEAT, DRY and FAN, this versatile appliance is the perfect addition to any large space. Its low noise makes it an especially good choice.

Note: Please read this manual carefully before operating the unit. the technical parameters are subject to change without notice.

WORKING PRINCIPLE

With the help of the upper motor, the airflow passes through the evaporator and is cooled. With the help of the lower motor, the airflow passes through the condenser and becomes heated. There is a two duct system, the heated air is discharged by the rear outlet and the cooled air is discharged from the front. The flow is guided by the louvre.

The Working Principle



USER NOTICES

- Location
- Install the unit in a well ventilated area, do not cover the unit.
 - Do not keep the unit in direct sunlight.
 - To avoid electrocution, do not install the unit in a damp area and keep away from water.
 - Make sure the unit is at least 1m away from any television sets.
 - If the mains lead is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person.
 - Position the appliance so that its plug is accessible.
 - Do not use the unit near any gas, fire or oil.
- Others
- This unit is not to be operated by children, vulnerable people or anyone under the influence of alcohol or any substance that could cause impairment.
 - Do not rest anything on top of the unit.
 - Take care not to stand directly in front of the unit for prolonged periods of time when it is in COOL mode.
 - Do not let the air inlet/outlet become blocked, this will lead to the unit malfunctioning.
 - NEVER insert your hands or stick any object into the air inlet or outlet. .
 - Make sure the power cord is not damaged as this can be hazardous. If the cord is damaged it must be replaced by the manufacturer, its service agent or a similarly qualified person.
 - Do not place the unit on an incline or lay it flat. If the unit is knocked over, pull out the plug from the wall immediately and inform the seller to arrange a service.
 - Static press in pipeline ranged from 0Pa to 25Pa.
 - Do not use insecticide or other sprays near the unit as these can damage the surface
 - Check the User Manual for instructions on how to dispose of this unit.

BEFORE USE

GENERAL SAFETY

- ONLY USE IN THE UPRIGHT POSITION ON A FLAT LEVEL SURFACE AND AT LEAST 50cm FROM ANY OBJECTS (Fig 1).
- DO NOT PLACE OBJECTS ON THE UNIT OR RESTRICT AIR INLET/OUTLET (FIG. 2).
- CLOSELY SUPERVISE ANY CHILDREN AND PETS WHEN THE UNIT IS IN USE.
- THIS APPLIANCE IS NOT INTENDED FOR USE BY PERSONS (INCLUDING CHILDREN) WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE, UNLESS THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY. CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH APPLIANCE.

ELECTRICAL SAFETY

- FOR INDOOR USE ONLY.
- SWITCH OFF AND UNPLUG WHEN NOT IN USE.
- DO NOT USE IN HUMID OR WET ENVIRONMENTS (FIG 3)
- DO NOT PULL THE UNIT ALONG BY THE CORD.
- IF THE SUPPLY CORD IS DAMAGED, IT MUST BE REPLACED BY AN ELECTRICIAN OR SIMILARLY QUALIFIED PERSON, TO AVOID HAZARD.

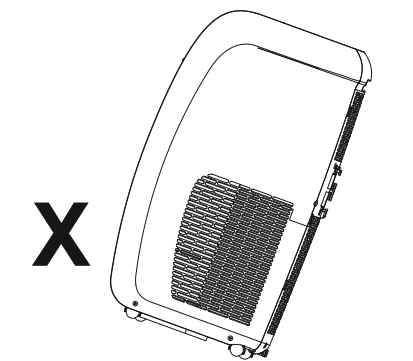


FIG. 1

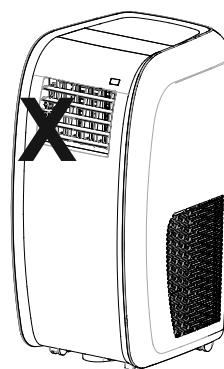


FIG. 2

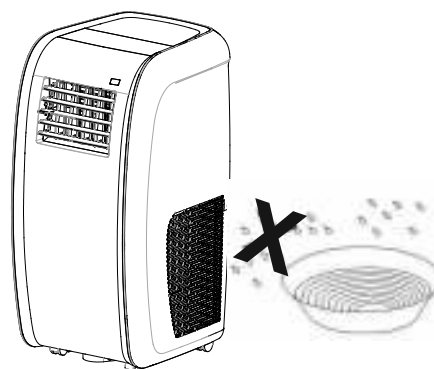
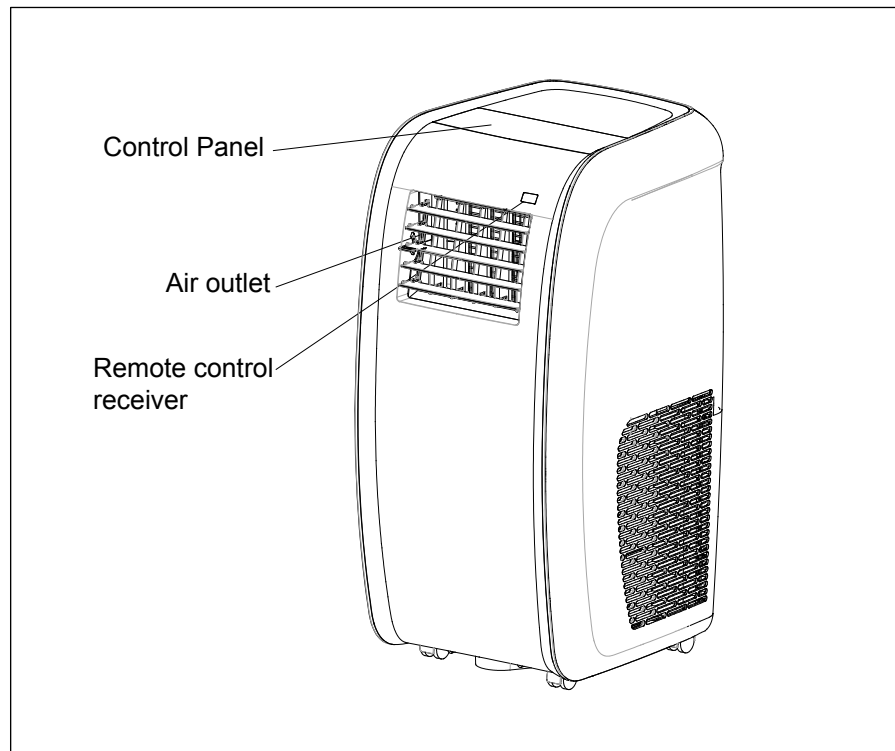


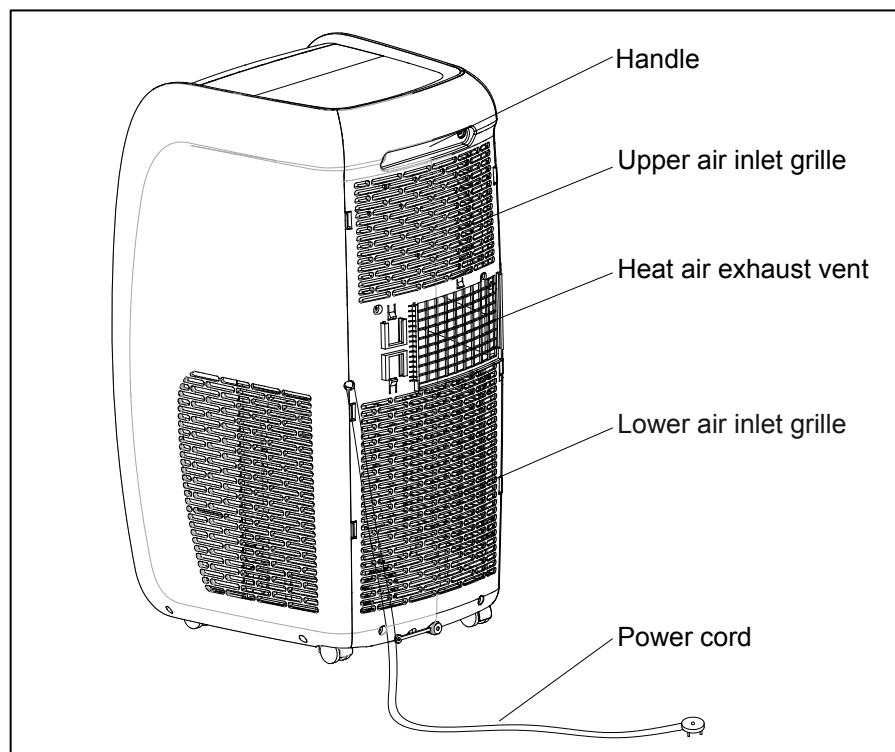
FIG. 3

STRUCTURE

Front



Rear



OPERATING METHODS

※. USAGE NOTICE

The working range of COOL mode and DRY mode: **+16 °C to +35 °C**.

The working range of HEAT mode: **+10 °C to +27 °C**.

Unpack the Air Conditioner

WARNING

Excessive Weight Hazard

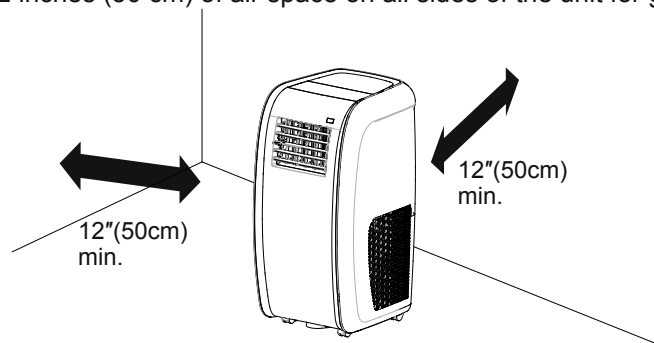
- Two or more people are required to move and install the air conditioner.
- Failure to do so can result in back or other injuries.

Remove packaging materials

- Remove unit from box (Packaging). Remove tape and glue residue from surfaces before turning on the air conditioner. Rub a small amount of liquid detergent over the adhesive with your fingers. Wipe with warm water and dry it.
- Do not use sharp instruments, alcohol, flammable liquids, or abrasive cleaners to remove tape or glue. These products can damage the surface of your air conditioner.

Placement requirements:

- The appliance shall be installed in accordance with national wiring regulations.
- The appliance is for indoor use only, but should not be installed in a laundry.
- Place the air conditioner on a smooth level floor that is strong enough to support the unit.
- Allow at least 12 inches (50 cm) of air space on all sides of the unit for good air ventilation.

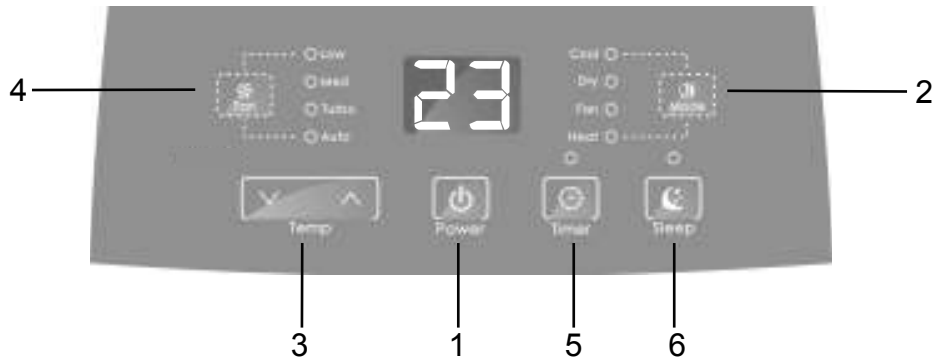


- Place the unit in an area where the temperature will not fall below 16 °C (61°F). The coils will be covered with frost at temperatures below 16 °C (61°F), and this may reduce performance. (For Cooling)

NOTE: The air conditioner has wheels for easy movement, but it should only be rolled on smooth and flat surfaces. Do not attempt to roll the air conditioner on carpet or over objects.

OPERATING METHODS

Names and functions of the control panel



Control panel and functions

1. Power ON / OFF:

Press once to start and press once more to stop the unit.

2. Mode:

Press this button to change the operation mode in order of:
COOL → DRY → FAN → HEAT

3. "∇" "∧":

In "COOL" or "HEAT" mode, press "∇" once, the temperature will decrease 1 °C .

Press "∧" once, the temperature will increase 1 °C . The temperature can be selected from 16 °C (61°F) ~ 30 °C (86°F)

4. Fan:

Press this button to change the operation fan in order of: LOW → MED → TURBO → AUTO.

5. Timer:

Press the timer button to enter the timer setting mode. In this mode, press "∧" arrow or "∇" arrow buttons to adjust the timer settings. The timer setting will increase or decrease by 1 hour increments. After the timer is set, the unit will display the temperature, if there's no operation for 5 seconds. If the timer function has started, the upper indicator will keep the display status. Otherwise, it won't be displayed. If the timer mode is active the LED light above the switch will be illuminated. Press the timer button again to cancel.

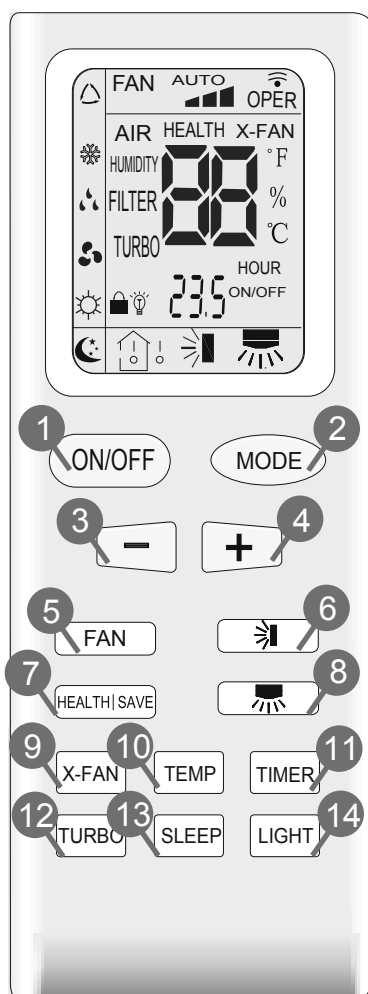
6. Sleep:

Press the sleep button to enter into sleep mode. If the controller operates in cooling mode, after sleep mode is activated, the preset temperature will increase by 2°C within 2 hours and then the unit will operate at this temperature all the time. The sleep function is not available for the fan mode, drying and auto modes. If sleep function is activated, the LED above the switch will be illuminated.

OPERATING METHODS

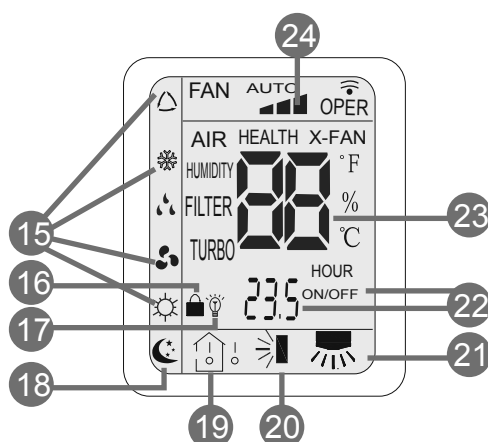
- COOL mode** 1). Select a place near a door or window, install the exhaust duct.
2). Press "MODE" key to select "COOL" mode.
3). Press "▼" or "▲" key to set the suitable temp. 16℃ (61°F) ~ 30℃ (86°F).
- HEAT mode** 1). Press "MODE" key to select "HEAT" mode.
2). Press "▼" or "▲" key to set the suitable temp. 16℃ (61°F) ~ 30℃ (86°F).
- DRY mode** Please close the door and windows to obtain the best dehumidifying effect:
Press "MODE" key, select the "DRY" mode, the unit will run in the "DRY" mode, at the same time, the upper motor is running at the low speed, it is not adjustable.
- FAN mode** When the unit runs in FAN mode, you can select 3 speeds.

NAMES AND FUNCTIONS OF THE REMOTE CONTROL



- 1 ON/OFF**
Press it to start or stop operation.
- 2 MODE**
Press to select operation mode (AUTO/COOL/DRY/FAN/HEAT).
- 3 -** : Press to decrease temperature setting.
- 4 +** : Press to increase temperature setting.
- 5 FAN**
Press to set fan speed.
- 6** : Press it to set up & down swing angle. (Optional)
- 7 HEALTH|SAVE (page 10)**
Press it to turn on or off health function. (Optional)
- 8** : Press it to set left & right swing angle. (Optional)
- 9 X-FAN (page 10)**
- 10 TEMP(page 10)**
- 11 TIMER**
Press it to set timer ON/ timer OFF
- 12 TURBO(page 10)**
- 13 SLEEP(page 11)**
- 14 LIGHT**
Press to turn the light on or off

NAMES AND FUNCTIONS OF THE REMOTE CONTROL



15 MODE icon:

If MODE button is pressed, current operation mode icon (AUTO), (COOL), (HEAT), (FAN) or (HEAT only for heat pump models) will show.

16 LOCK icon:

is displayed by pressing "+" and "-" buttons simultaneously. Press them again to clear the display.

17 LIGHT icon:

is displayed by pressing the LIGHT button. Press LIGHT button again to clear the display.

18 SLEEP icon :

is displayed by pressing the SLEEP button. Press this button again to clear the display.

19 TEMP icon:

Pressing TEMP button, (set temperature), (indoor ambient temperature) (outdoor ambient temperature) and blank is displayed circularly.

20 Up & down swing icon (Optional):

is displayed when pressing the up & down swing button. Press this button again to clear the display.

21 Left & right swing icon (Optional):

is displayed when pressing the left & right swing button. Press this button again to clear the display.

22 SET TIME display:

After pressing TIMER button, ON or OFF will blink. This area will show the set time.

23 DIGITAL display:

This area will show the set temperature. In SAVE mode, "SE" will be displayed. During defrosting operation, "H1" will be displayed.

24 FAN SPEED display:

Press FAN button to select the desired fan speed setting (AUTO-Low-Med-High). Your selection will be displayed in the LCD windows, except the AUTO fan speed.

OPERATION OF THE REMOTE CONTROL

Remote control description

1 ON/OFF :

Press this button to turn on the unit. Press this button again to turn off the unit.

2 MODE :

Each time you press this button, a mode is selected in a sequence that goes from AUTO, COOL, DRY, FAN, and HEAT *, as the following:



*Note: Only for models with heating function.

After turning on, AUTO mode is defaulted. In AUTO mode, the set temperature will not be displayed on the LCD, and the unit will automatically select a suitable operation mode in accordance with the room temperature to make the room comfortable.

3 - :

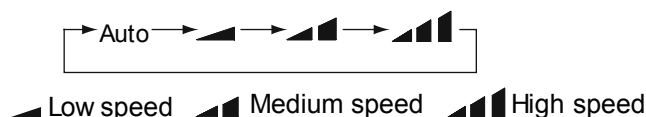
Press this button to decrease set temperature. Hold it down for above 2 seconds to rapidly decrease set temperature. In AUTO mode, set temperature is not adjustable.

4 + :

Press this button to increase set temperature. Hold it down for above 2 seconds to rapidly increase set temperature. In AUTO mode, set temperature is not adjustable.

5 FAN :

This button is used for setting fan speed in the sequence that goes from AUTO, Low speed, Medium speed, High speed, then back to Auto.



When setting HIGH fan speed, unit will display TURBO fan speed.

6 (Optional) :

- Press  button to start or stop up & down swing function. The remote controller defaults to simple swing condition. (This function is not applicable for some models).
- Press + button and  button at the same time at unit OFF to switch between simple swing and static swing;  blinks for 2 seconds.
- In static swing condition, pressing  button, the swing angle of up & down louver changes as below:



- If the unit is turned off during swing operation, the louver will stop at present position.

OPERATION OF THE REMOTE CONTROL

7 HEALTH|SAVE (Optional):

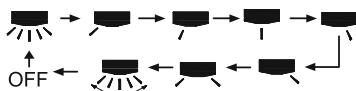
Press the HEALTH part of this button to turn the HEALTH function on or off.

SE is displayed and the unit goes into SAVE operation mode. Press **SE** is displayed and the unit goes into SAVE operation mode. Press SAVE part of the button again to cancel SAVE function. During SAVE operation, the temperature and fan speed is not adjustable.

✕ This function is not available for this unit.

8 (Optional):

- Press  button to start or stop left and right swing function. The remote control defaults to simple swing condition.
- Press + button and  button at the same time at unit OFF to switch between simple swing and static swing;  blinks for 2 seconds.
- In static swing condition, pressing  button, the swing angle of left & right louver changes as below: 



- If the unit is turned off during swing operation, the louver will stop at present position.

✕ **This function is not available for this unit.**

9 X-FAN:

Pressing X-FAN button in COOL or DRY mode,the icon “X-FAN” is displayed and the indoor fan will continue operation for 10 minutes in order to dry the indoor unit even though you have turned off the unit.

After energization, X-FAN OFF is defaulted. X-FAN is not available in AUTO, FAN and HEAT mode.

10 TEMP:

Pressing this button will give you the options of displaying the indoor setting temperature or the indoor ambient temperature. When the unit first powers on it will display the indoor setting temperature. If the temperature's display status is changed it will display the ambient temperature “”. On or within 5 seconds, it will revert to the setting temperature display.

11 **TIMER:**

Press TIMER button at unit ON to set TIMER OFF; HOUR OFF blinks. Press TIMER button at unit OFF to set TIMER ON; HOUR ON blinks. In this case, pressing + or - button changes time setting. Holding down either button rapidly changes time setting (time setting range 0.5-24hours). Press TIMER button again to confirm setting; HOUR ON/OFF stops blinking. If there is not any operation of button within 5 seconds during HOUR ON/OFF blinking, TIMER setting will be cancelled.

12 TURBO:

Press this button to activate/deactivate the turbo function which enables the unit to reach the preset temperature in the shortest time. In COOL mod the unit will blow cooled air at a super high fan speed. In HEAT mode, the unit will blow heated air at a super high fan speed.

OPERATION OF THE REMOTE CONTROL

13 SLEEP :

Press this button to go into the SLEEP operation mode. Press it again to cancel this function. This function is available in COOL, HEAT (Only for models with heating function) or DRY mode to maintain the most comfortable temperature for you.

14 LIGHT:

Press LIGHT button to turn on the display's light and press this button again to turn off the display's light. If the light is turned on ,  is displayed. If the light is turned off,  disappears.

15 Combination of "+" and "-" buttons: About lock

Press "+" and "-" buttons simultaneously to lock or unlock the keypad. If the remote controller is locked,  is displayed. In this case, pressing any button,  blinks three times.

16 Combination of "MODE" and "-" buttons: to switch between Fahrenheit and centigrade.

At unit OFF, press "MODE" and "-" buttons simultaneously to switch between °C and °F.

Replacement of Batteries

1.Remove the battery cover plate from the rear of the remote controller.

(As shown in the figure)

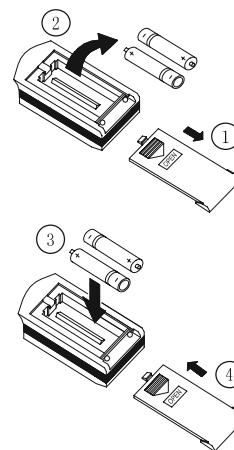
2.Take out the old batteries.

3.Insert two new AAA1.5V dry batteries, and pay attention to the polarity.

4. Reinstall the battery cover plate.

★ Notes:

- When replacing batteries, make sure the ones you are replacing them with are new and of the right type
- If you are not going to use the remote control for a long period of time, remove the batteries before storing.
- The operation should be performed in its receiving range.
- It should be kept at least 1 meter away from TV and audio systems
- If the wireless remote control stops working, remove the batteries, wait 30 seconds and then reinsert them. If the control still does not work, replace the batteries.

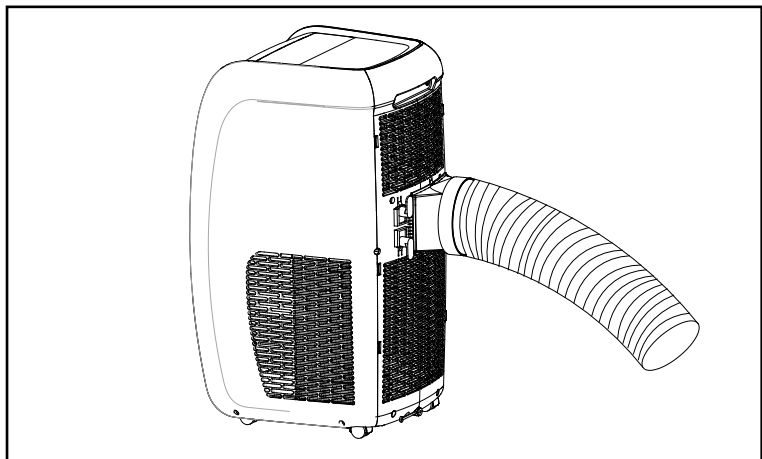


Sketch map for replacing batteries

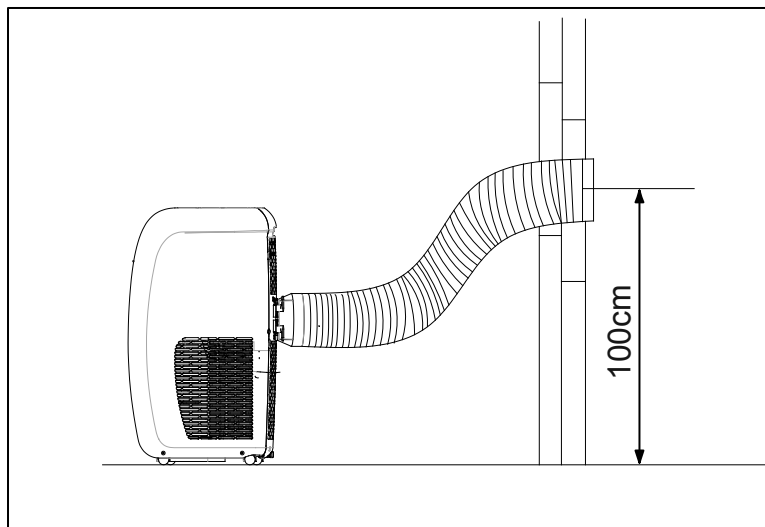
ACCESSORIES AND INSTALLATION OF HEAT EXHAUST HOSE



- Length range of the exhaust pipe should be 50 – 150cm. It is recommended to use it with the shortest length.
- When installing, the exhaust pipe should be as flat as possible. Do not stretch the pipe or connect it with another exhaust pipe. This would cause abnormal operation.



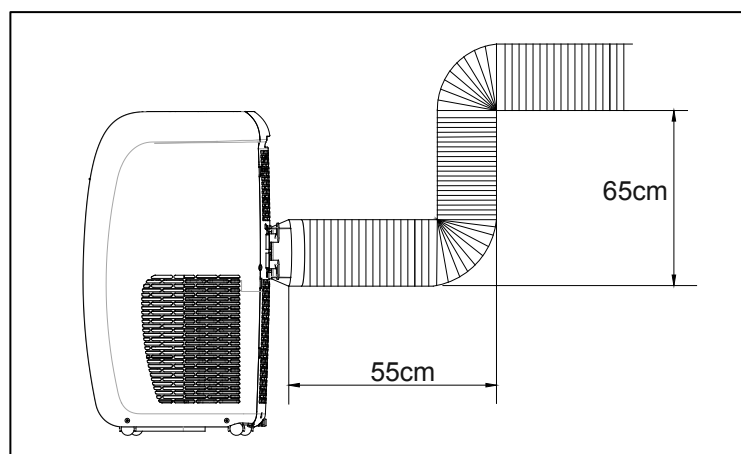
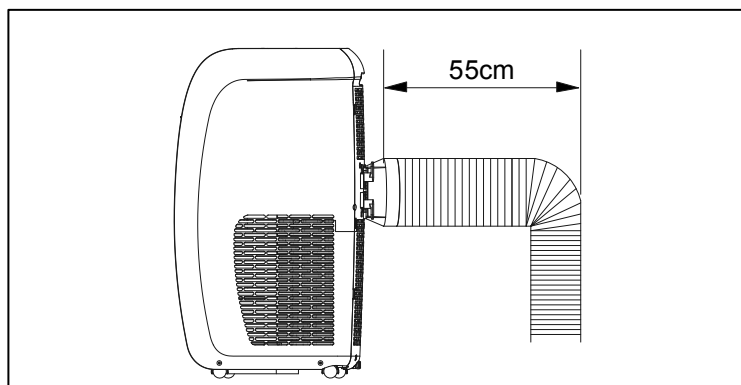
Correct installation is as shown in figure (When installing it on wall, height of hole should be about 40 -100cm from floor).



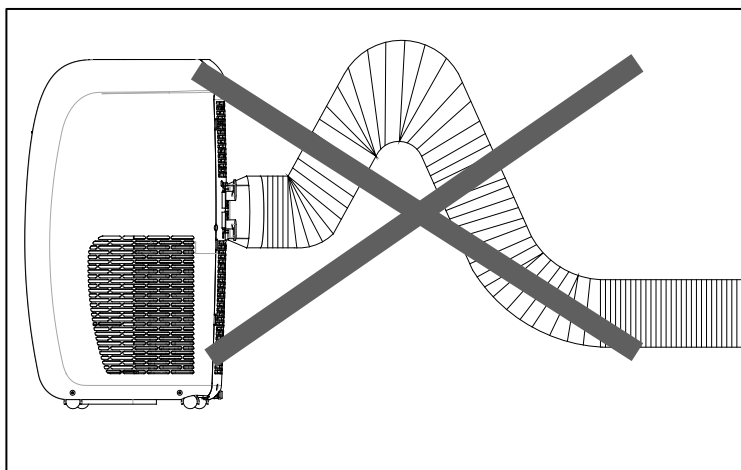
ACCESSORIES AND INSTALLATION OF HEAT EXHAUST HOSE



If the pipe has to be bent, please consider the following dimensions when installing

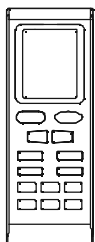


An incorrect installation is shown in the following figure (if the pipe is bent too much, it could easily cause a malfunction).



ACCESSORIES AND INSTALLATION OF HEAT EXHAUST HOSE

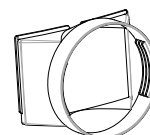
PARTS INCLUDED ECO12P UNIT & THE FOLLOWING ACCESSORIES:



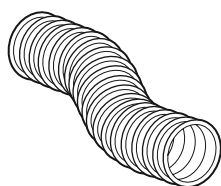
Remote Control



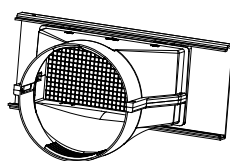
Installation and Operation Manual



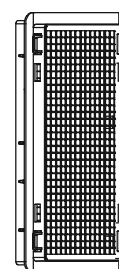
Front Plastic Pipe End



Flexible Exhaust Hose



Window Exhaust Adapter



Real Grill



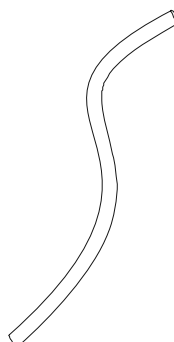
Back Plate

Adjusting Plate

Back Plate



Baffle Plate



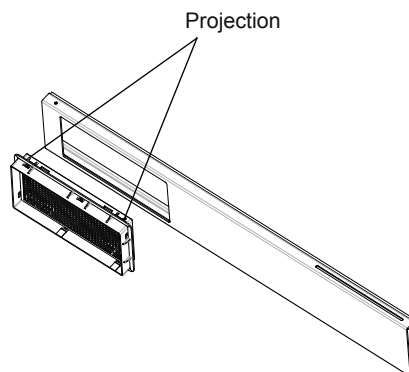
Drain Hose

INSTALLATION INSTRUCTIONS

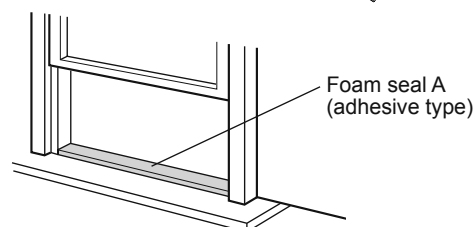
Installation in a double-hung sash window

1 Attach the guard combined above to the window panel

Push the insect guard net firmly to ensure that its four projections fit into the holes in the window panel.



2 Cut the foam seal A (adhesive type) to the correct length and attach it to the window sill.

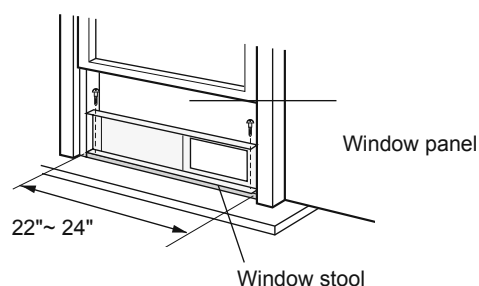
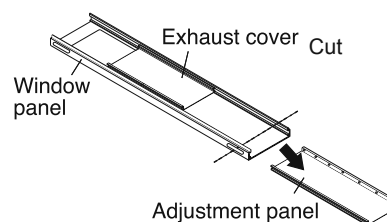


3 Attach the window panel to the window stool.

If the inner width of the window is between 22" (559mm) and 24" (609mm) inclusive.

The window panel cannot be installed in windows less than 22" (559mm) wide, as you will be unable to shut the exhaust cover.

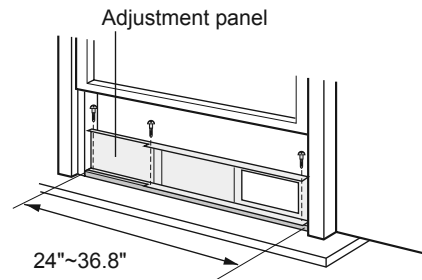
- (1) Remove the adjustment panel from the window panel, and cut the window panel to the same width as the window.
- (2) Open the window sash and place the window panel on the window stool
- (3) Secure the window panel to the window stool with 2 screws.



INSTALLATION INSTRUCTIONS

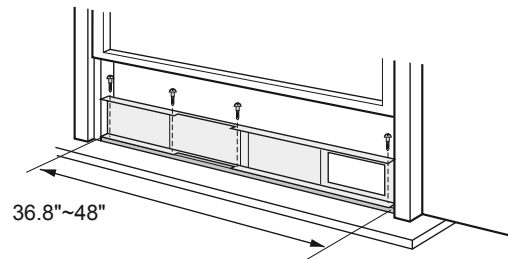
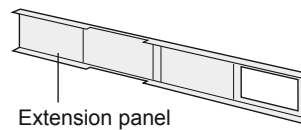
If the inner width of the window is between 24" (609mm) and 36.8" (934mm) inclusive.

- (1) Open the window sash and place the window panel on the window sill.
- (2) Slide the adjustment panel to fit the window frame width.
- (3) Secure the window panel to the sill with 3 screws.



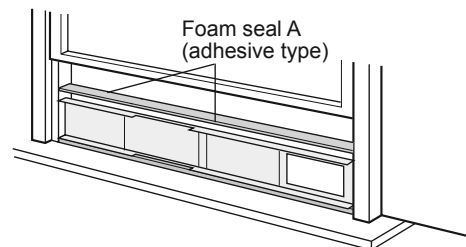
If the inner width of the window is between 36.8" (934mm) and 48" (1219mm) inclusive.

- (1) Attach the extension panel to the adjustment panel.
- (2) Open the window sash and place the window panel on the window sill.
- (3) Slide the adjustment and extension panels to fit the window frame width.
- (4) Secure the window panel to the window stool with 4 screws.



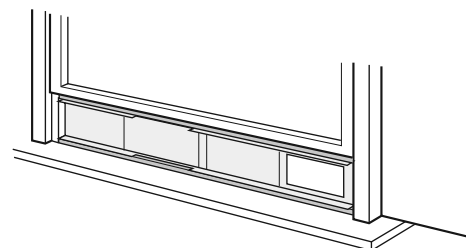
4 Cut the foam seals (adhesive type) A and B to the proper length and attach it to the window panel.

Attach foam seal A to the window panel and extension panel, and attach foam seal B to the adjustment panel.

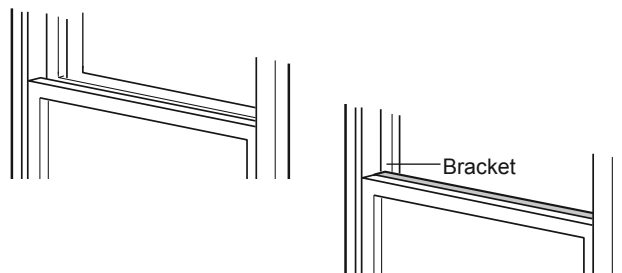


5 Close the window sash securely against the Window panel.

6 Cut the foam seal to an appropriate length and seal the opening between the top of the inner window sash and the outer window sash.



7 Attach a bracket with the screw.

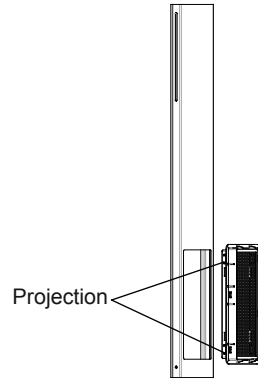


INSTALLATION INSTRUCTIONS

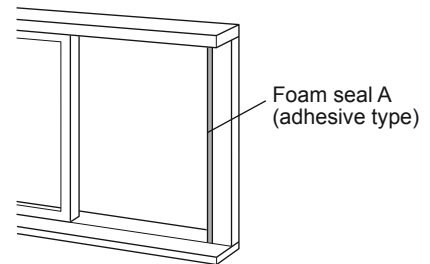
Installation in a sliding sash window

1 Attach the guard combined above to the window panel.

Push the insect guard net firmly to ensure that its four projections fit into the holes in the window panel.



2 Cut the foam seal A (adhesive type) to the correct length and attach it to the window frame.

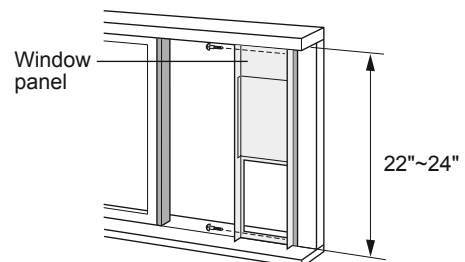
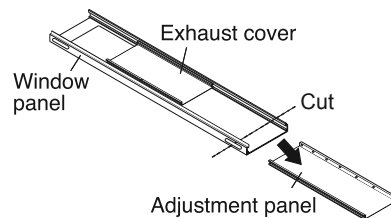


3 Install the window panel into the window frame.

If the inner height of the window is between 22" (559mm) and 24" (609mm) inclusive.

The window panel cannot be installed in windows less than 22" (559mm) high, as you will be unable to shut the exhaust cover.

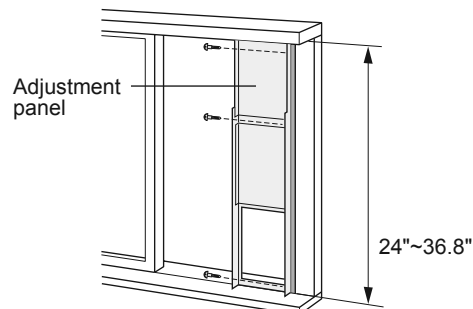
- (1) Remove the adjustment panel from the window panel, and cut the window panel to the same height as the window.
- (2) Open the window sash and place the window panel on the window frame.
- (3) Secure the window panel to the window frame with 2 screws.



INSTALLATION INSTRUCTIONS

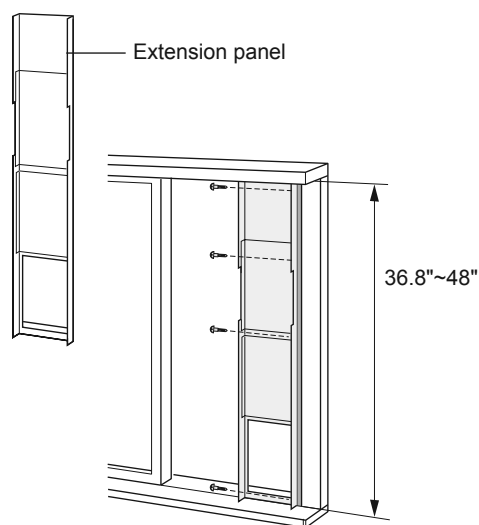
If the inner height of the window is between 24" (609mm) and 36.8" (934mm) inclusive.

- (1) Open the window sash and place the window panel on the window frame.
- (2) Slide the adjustment panel to fit the window frame height.
- (3) Secure the window panel to the window frame with 3 screws.



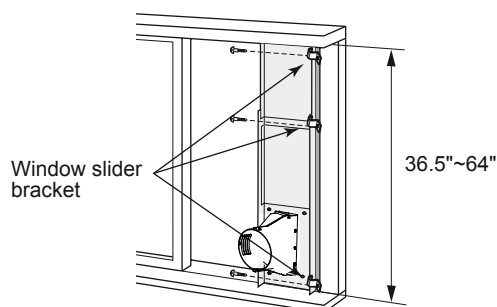
If the inner height of the window is between 36.8" (934mm) and 48" (1219mm) inclusive.

- (1) Attach the extension panel to the adjustment panel.
- (2) Open the window sash and place the window panel on the window frame.
- (3) Slide the adjustment and extension panels to fit the window frame height.
- (4) Secure the window panel to the window frame with 4 screws.



If the inner height of the window is between 36.5" (927mm) and 64" (1625mm) inclusive.

- (1) Open the window sash and place the window panel on the window frame.
- (2) Slide the adjustment panel to fit the window frame height.
- (3) Secure the window panel to the window frame with 4 large wood screws.



INSTALLATION INSTRUCTIONS

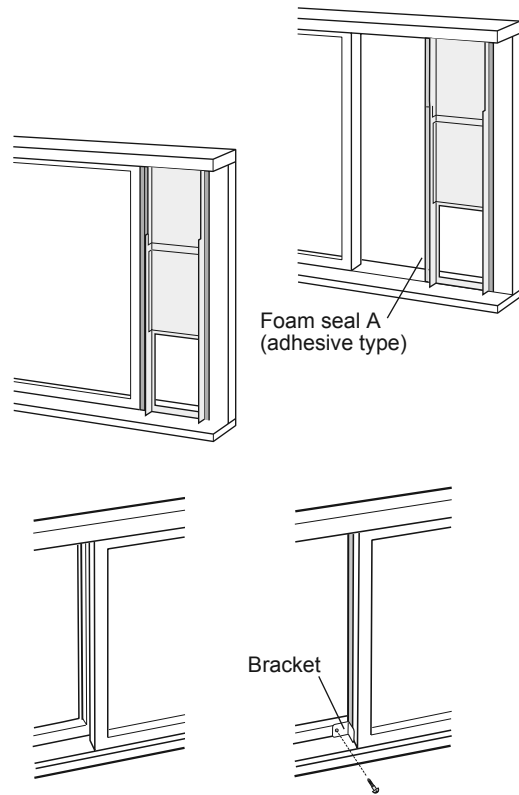
- 4** Cut the foam seals (adhesive type) A and B to the proper length and attach them to the window panel.

Attach foam seal A to the window panel and extension panel, and attach foam seal B to the adjustment panel.

- 5** Close the window sash securely against the Window panel.

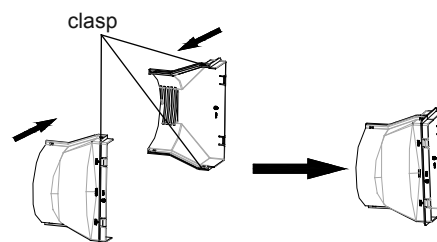
- 6** Cut the foam seal to an appropriate length and seal the opening between the side of the inner window sash and the outer window sash.

- 7** Attach a bracket with the screw.

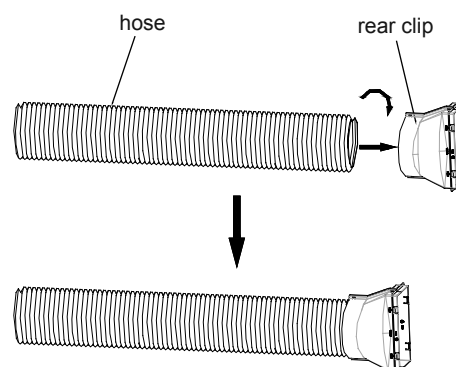


INSTALLATION INSTRUCTIONS

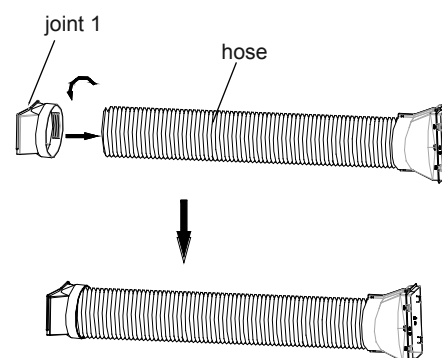
Install rear clip — aim the rear clip (upper) at the rear clip (lower), fix them together, press the clasp forcibly in to the groove.



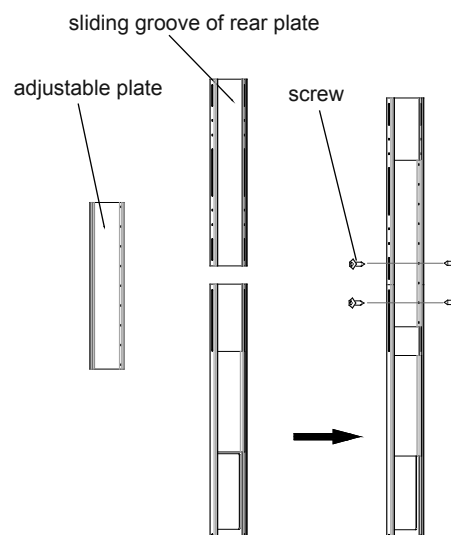
Install the hose at the rear clip — aim the opening of hose at the round mouth of rear clip, rotate the hose anticlockwise into the rear clip.



Install the hose at the joint 1 — aim the opening of hose at the round mouth of joint 1, rotate the hose anticlockwise into the joint 1.

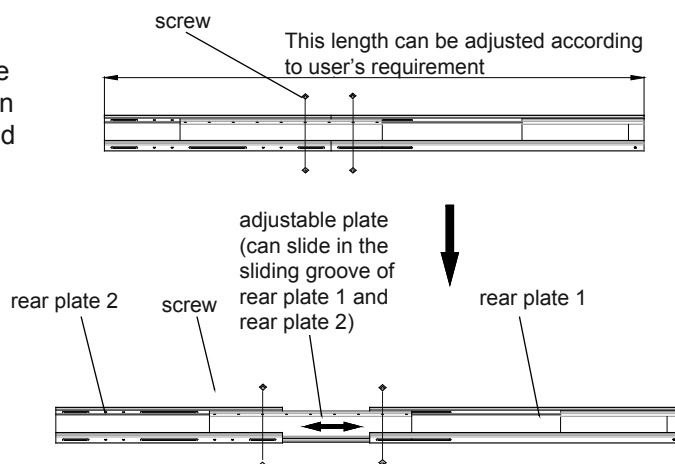


Connect rear plate 1 and rear plate 2 — fix the adjustable plate at the sliding groove of rear plate 1, put the adjustable plate into the rear plate to enable the adjustable plate slide inside the rear plate, then connect the rear plate 2 and fix the rear plate 1 and 2 with screw. Adjust the distance between rear plate 1 and rear plate 2 according to the required installation height.

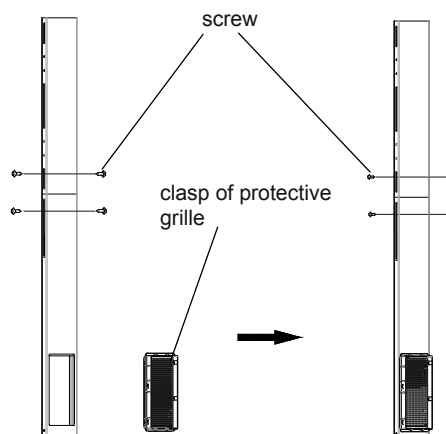


INSTALLATION INSTRUCTIONS

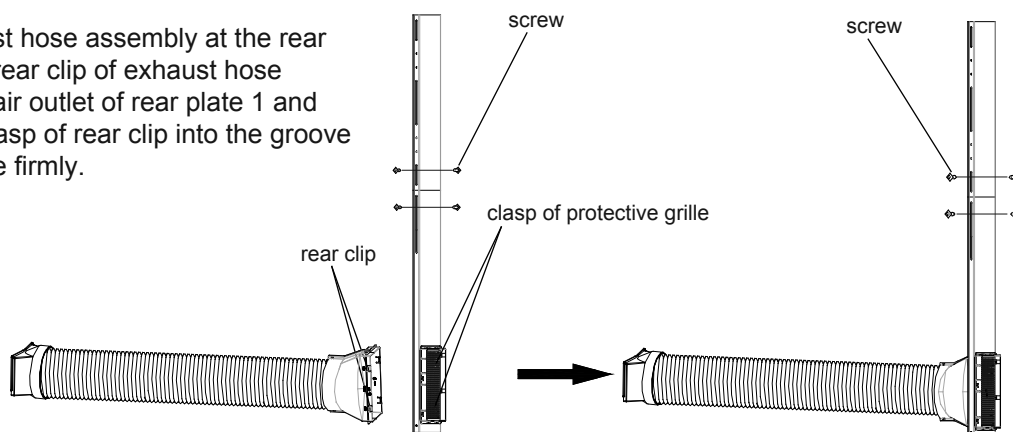
The length of rear plate 1 and rear plate 2 can be adjusted according to user's requirement. Loosen the screws fixing the rear plate 1, rear plate 2 and adjustable plate to move the rear plate 2 and adjustable plate (can slide freely in the sliding groove of rear plate 1 and rear plate 2) to the required length, and then fix the rear plate 1 and rear plate 2 with screws.



Install protective grille — aim the protective grille at the air outlet of rear plate 1 and then press the clasp of protective grille inwards to fasten the rear plate 1.

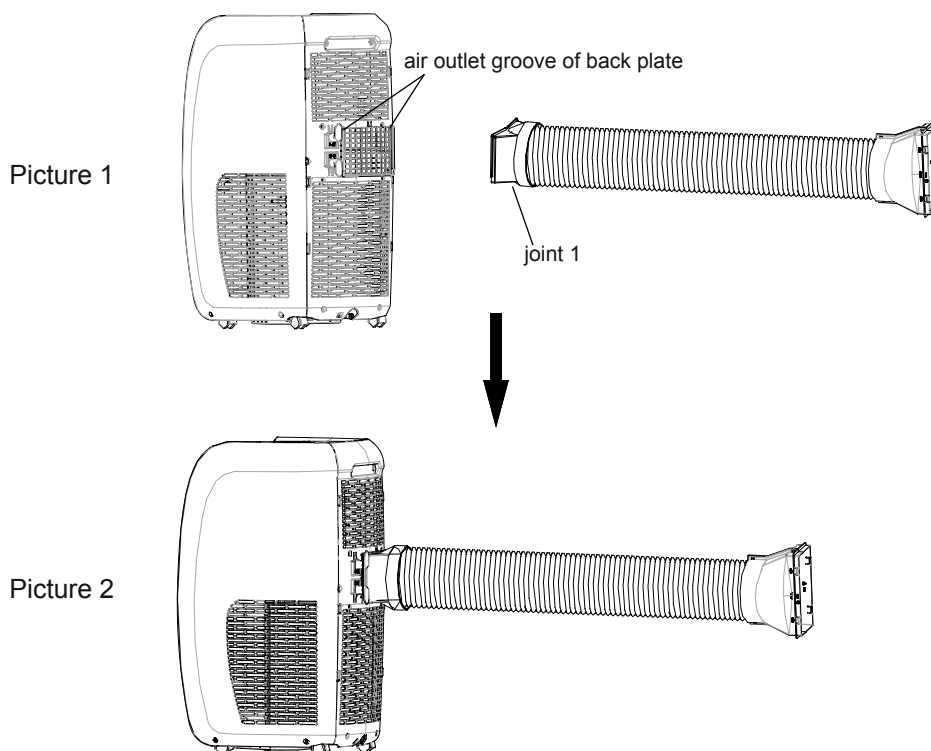


Install the exhaust hose assembly at the rear plate — aim the rear clip of exhaust hose assembly at the air outlet of rear plate 1 and then press the clasp of rear clip into the groove of protective grille firmly.

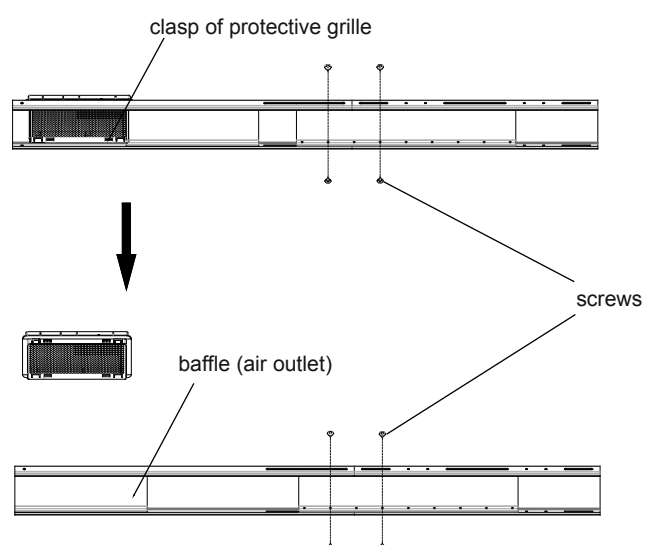


INSTALLATION INSTRUCTIONS

Install exhaust hose assembly to the rear as in Picture 1. Simply slot Joint 1 downwards on the air outlet Picture 2.

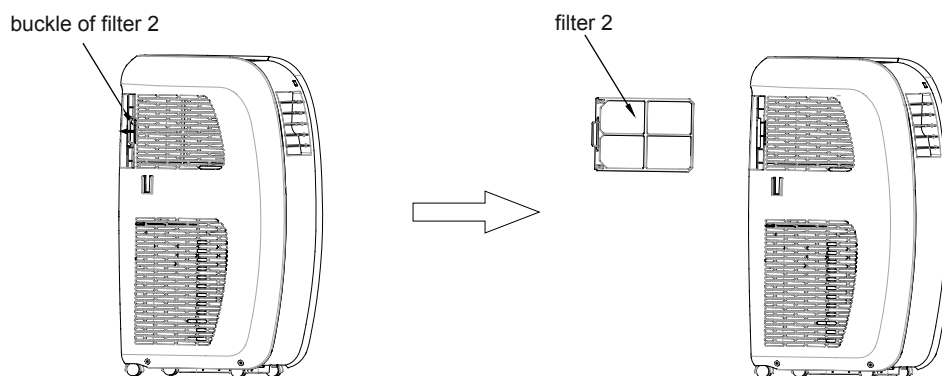


When the unit is not in use and using the window kit remove hose and close the grille with the "baffle plate" over the hole.

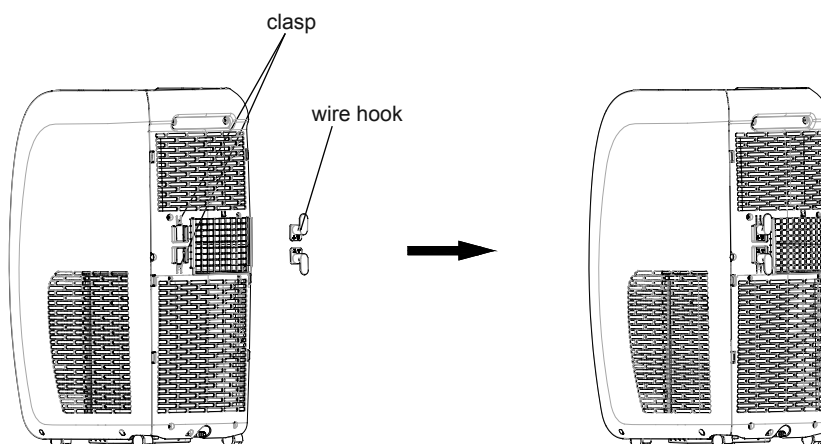


INSTALLATION INSTRUCTIONS

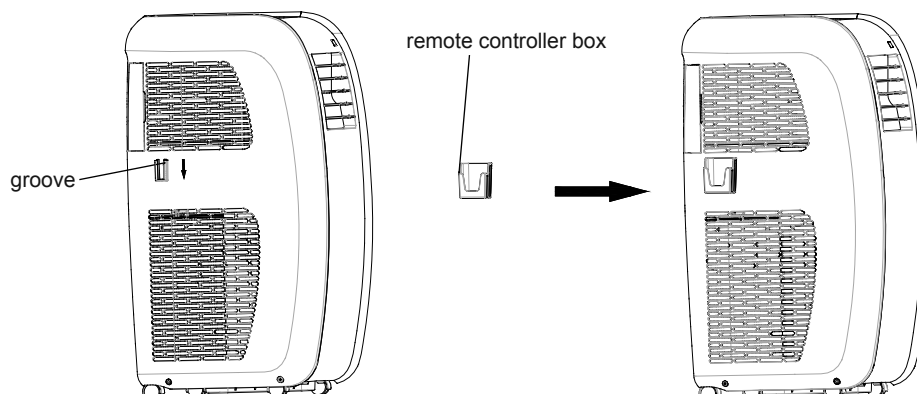
Filter 2 — hold the buckle of filter 2 to pull it outwards.



Install cable hook — press the clasp at the upper side of back plate, assemble the first cable hook downwards into the groove of upper clasp; press the clasp at the lower side of back plate, assemble the second cable hook upwards into the groove of lower clasp.



Install remote control box—the opening of remote control box is upward, aim the groove of the back side at the groove of the left side plate, and then assemble the remote controller box.

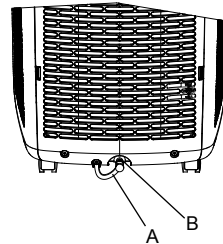


INSTALLATION OF DRAINAGE HOSE

- Installation of drainage hose (as shown in the following figure):

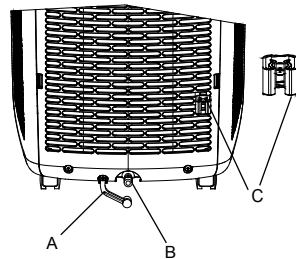
Note: The drainage hose must be installed before operating the unit otherwise a blockage may occur affecting the normal operation of the unit.

1. Remove drain cap (A) from drain port (B).



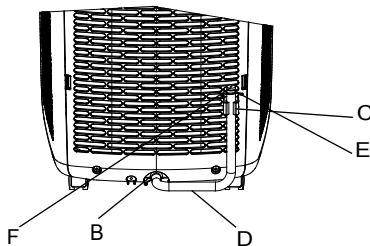
A. Drain cap
B. Drain port

2. Attach the drain hose clamp (C) to the back panel of the air conditioner near the drain port (B) with the screw provided.



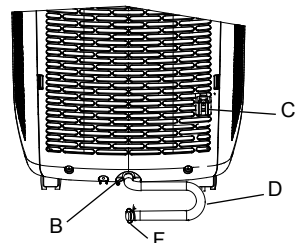
B. Drain port
C. Drain hose clamp

3. Attach one end of the drain hose (D) to the drain port (B) with the clip (E). Make sure the hose is fully inserted into the drain port (B).



B. Drain Port
C. Drain hose clamp
D. Drain hose
E. Drain hose clips
F. Rubber plug

4. Insert the rubber plug (F) into the other end of the drain hose (D) and secure with clip (E).
5. Snap the free end of the drain hose (D) into the drain hose clamp (C).
6. During the process of cooling, excess condensation will occur inside the unit. Although the water will be evaporated by the coil for maximum efficiency. In very warm temperature or high humidity condition, it will require water drainage. This will be indicated as an "H8" error.
7. Remove the drain hose (D) from the clamp (C) and release the excess water at downward slope by removing the rubber plug (F).
8. Completely drain water and the unit should resume operation. Secure the plug and hose back in position



B. Drain Port
C. Drain hose clamp
D. Drain hose
F. Rubber plug

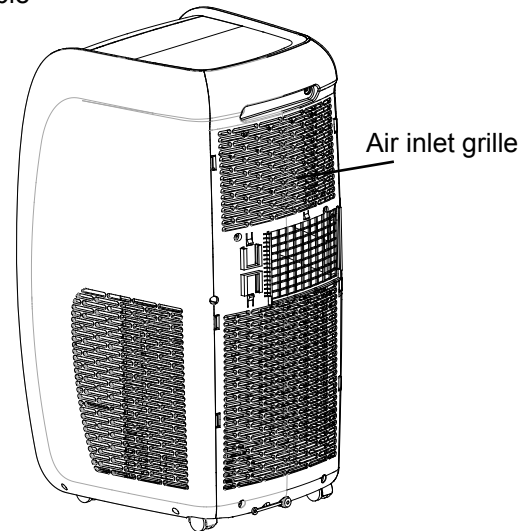
CARE AND MAINTENANCE

Mobile unit

Casters underneath the unit enable it to be moved easily within a room.

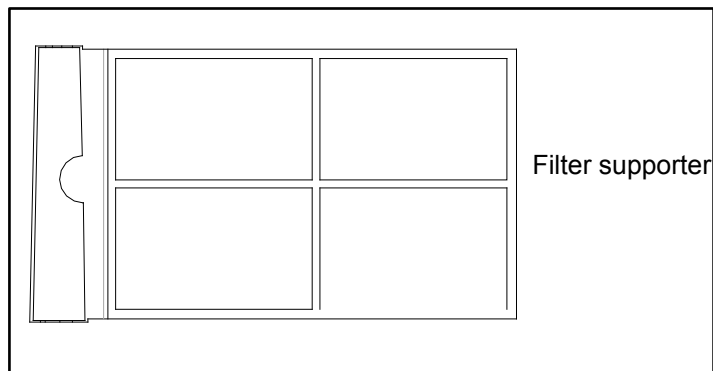


Before maintenance, please pull out the plug and cut off power supply to avoid electric shock.



Clean the air filter

Performance of the unit will be affected if there is constant gathering dust on the air filter. You will need to clean this every two weeks if this is the case.



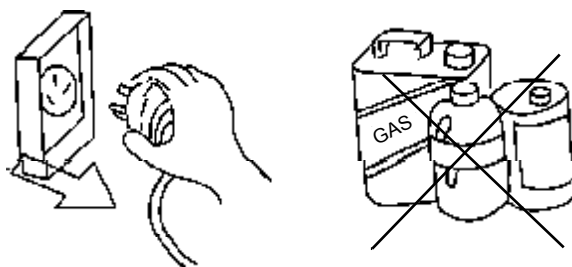
Disassembly Clean

- Draw out filter supporter and take out filter
- Wash the filter with a soapy spray.
and shake it, or immerse it into gentle soapy water,
then drip it in the shade.

CARE AND MAINTENANCE

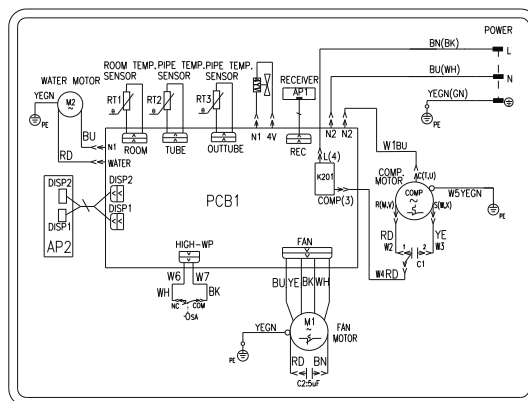
Clean the air conditioner

Please use a cloth that is slightly moistened with water at a temperature below 40 °C . Do not use gasoline, diesel oil or a congeneric substance to clean the unit. Before cleaning, please pull out the power plug.



ELECTRIC SCHEMATIC DIAGRAM

ECO12P:



The circuit diagrams above are only for reference, which are subject to change without notice.

TROUBLESHOOTING

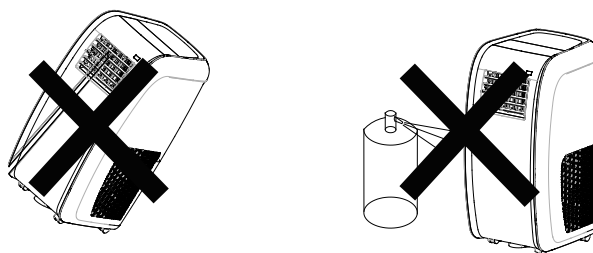
If malfunctions occur, please check the following before maintenance:

Troubles	Possible Causes	Solutions
The air conditioner doesn't start.	The power supply is not connected properly. The power plug is not inserted tightly. There is a the malfunction of the power plug or socket. The fuse is blown.	1.Insert the power plug tightly. 2.Replace the power plug or socket. 3.Have an electrician replace the fuse.
Although it was set to COOL mode, there is no cool air.	1. The room temp. is lower than the set temp. 2. The evaporator frosts.	1.This is normal. 2.Unit is running in defrosting operation, it will resume running in original operation after defrosting.
Although it was set to DRY mode, there is no cool air.	1. The evaporator has frosted.	1.Unit is running in defrosting operation, it will resume running in original operation after defrosting.
The LED displays" E5 ".	1. Low voltage over current protection.	Cut off power supply, after 10 minutes, turn on the unit, if "E5" is still displayed, please contact your dealer for technical advice.
The LED displays" H8 ".	High humidity causing excessive condensation inside the unit.	1. Drain excess water from drianage hose (see installation instructions) 2.If the malfunction still persists, please contact your dealer for technical advise.
The LED displays" F1 ".	Malfunction of evaporator temperature sensor.	Check if indoor room temperature sensor is connected properly
The LED displays" F2 ".	Malfunction of evaporator temperature sensor.	Check if the evaporator temperature is connected properly.
The LED displays" F4 ".	1. The wiring terminal between outdoor condenser temperature sensor and controller was loosened or poorly connected; 2. There's short circuit due to the trip-over of the parts on controller; 3.Outdoor condenser temperature sensor was damaged . 4. Main board was broken.	1.Remove the temperature sensor, then re-insert it to make it stable. 2.Check the circuit on the controller. 3.Replace the temperature sensor. 4.Replace the main board after repair.

- Meaning of crossed-out wheeled unit: Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.
- Contact you local council for information regarding the collection systems available.
- If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the ground water and get into the food chain, damaging your health and well-being.
- When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least free of charge.
- It is prohibited to dispose of this appliance in domestic household waste.

For disposal there are several possibilities:

- a) The councils have has established collection systems, where electronic waste can be disposed of at least free of charge to the user.
 - b) When buying a new product, the retailer will take back the old product at least free of charge.
 - c) The manufacturer will take back the old appliance for disposal at least free of charge to the user.
 - d) As old products contain valuable resources, they can be sold to scrap metal dealers.
- Wild disposal of waste in forests and landscapes endangers your health when hazardous substances leak into the ground-water and find their way into the food chain.



AFTER SALES SERVICE

- If any quality problems or any other problems exist, please contact your dealer.

ORDER FORM

Post Order Form

Your Details

Company Name:
Name:
Address:
Post code:
Telephone:
Mobile:
Fax / Email:

Model Number	Description of Item	Quantity	Unit Price	£Amount
	<u>Filters</u>			
12P-58	Real Filter & Fixer		£15.00	
12P-54	Side Filter		£15.00	
12P-68	<u>Remote Control</u>		£29.94	
	<u>Exhaust Accessories</u>			
12P-78	Exhaust Host (1.5m)		£24.96	
12P-80	Tube for continuous drainage		£6.96	
	<u>Other Accessories</u>			
12P-41	Caster Wheels		£5.94	
12P-71 & 12P-72 & 12P-73 & 12P-74	PVC window Kit Assy		£29.94	
12P-76 & 12P-77	Window Exhaust Adapter Assy		£15.00	
12P-79	Front Plastic Pipe End		£12.96	
12P-75	Real Grill		£12.96	
	Sub Total			
	Standard Delivery (Free)			
	Next Day Delivery (Call)			
	Total			

Payment Details (Please tick one below)

Credit ☐ or Debit Card ☐ or Cheque ☐

Visa ☐
 Master Card ☐
 Solo ☐
 Visa Electron ☐

Card Number:

Name on card:

Issue Date: /

Expiry Date: /

Issue No (where applicable): /

Card Security No: (Last 3 digits on the signature strip on the reverse of your card)

Customer Signature: _____

Name:

Date:

* Price includes VAT and shipping to UK mainland only (except Scottish Highlands and remote areas)

*Note: Please see page 17 for your reference.

Fax Form To Us

Fax: 0845 388 9313

Mail Form To Us

EcoAir Unit 7 Propeller Park,
400 North Circular Road, London NW10 0AB
Tel: 0845 388 0005



DESIGNED & ENGINEERED IN GREAT BRITAIN

Order Today By Fax, Post Or Via Online
More Information: <http://www.ecoair.org>

ONE (1) YEAR LIMITED WARRANTY

Save This Warranty Information

EcoAir guarantees this product free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Coverage is valid only with proof of purchase.

This unit must be operated under conditions as recommended, within the voltage range indicated on the unit. Any attempts made to service or modify the unit, will render this WARRANTY VOID. The actual product may differ slightly from the illustration. This warranty is in addition to, and does not affect, your statutory rights.

If the unit is modified or mis-used, this could void the warranty.

For further information, please contact 0845 388 0007.

This product has been manufactured to comply with the EC Directives 2006/95/EC and 2004/108/EC.

We recommend that you note the details of your purchase below and retain your original proof of purchase / receipt with this manual. Keep these documents safe in the event of a warranty claim.

Date of purchase: _____
Retailer name: _____
Serial number: _____



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