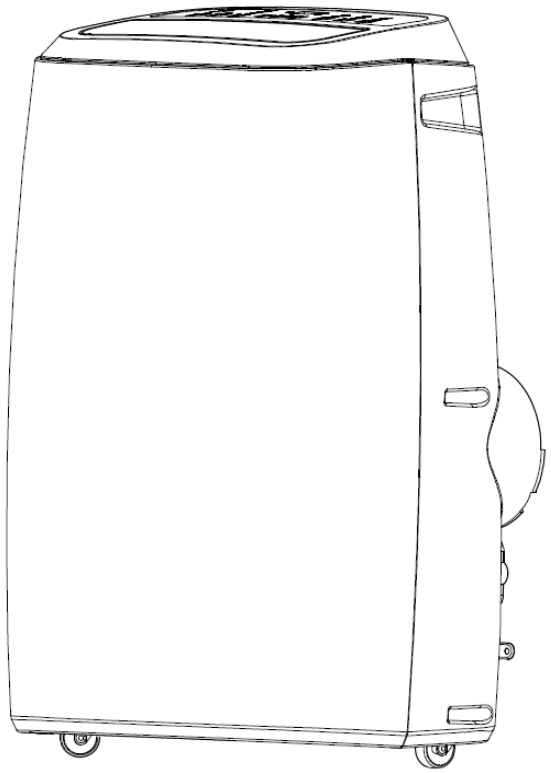
Koolbreeze

Climateasy 14R2, 16R2, 18R2
Portable Air Conditioner
User Manual and Operator Guide (EN)

For Models: P14HCR2, P16HCR2, P18HCR2 (2019 Model Year)



Please read this manual carefully before using the product for the first time

Please retain all packaging until end of warranty period

This instruction manual and specifications that it contains are for guidance and do not form part of a contract. We reserve the right to make technical changes without prior notice. Due to continuous product development the machine illustrated in the following pages may look slightly different to one that you have purchased.

Amendment History

Version No	Date	Comment
1.0	26/10/2018	Initial version for new 14R2, 16R2, 18R2 models

Please send any corrections or suggested amendments to sales@koolbreeze.co.uk.

FR, DE, ES, IT versions of the manual are available to download from www.koolbreeze.co.uk
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FR, DE, ES, IT des versions du manuel sont disponibles à partir de www.koolbreeze.co.uk
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Usage and Safety Considerations

IMPORTANT!
Please do not install, use or operate your new portable air conditioner before you have carefully read this manual. Please retain this instruction manual for future reference.

Safety and Usage Considerations for Units Containing R290 Refrigerant

Koolbreeze Climateasy xxR2 models contain R290 refrigerant. R290 is a natural refrigerant that has a low environmental footprint with regards to any impact on the ozone layer as well as having a low potential to cause global warming (GWP). Because of the properties of R290 when used as a refrigerant it is important to read and understand the information given in this section before using your new air conditioner.

1. Do not use any methods to accelerate the defrosting process or to clean the unit, other than those recommended by the manufacturer.
2. Do not pierce, puncture, burn, strike or subject to shock either the unit itself or any of its internal components.
3. Be aware the refrigerant used in the unit may not produce any odor or smell if released.
4. Depending on the capacity of the unit it should be installed, operated and stored in a room with a floor area larger than X m^2. (X=10.8 for ,14000,16000Btu/h; X=14.4 for 18000Btu/h)
5. When defrosting and cleaning the unit, do not use any tools or cleaning products other than those recommended by the manufacturer.
6. The appliance must be stored and used in an area without any continuous sources of ignition (for example: open flames, gas or electrical appliances).
7. Each unit contains a quantity of R290 refrigerant gas. Please refer to the rating plate or specification table in this manual for details regarding quantity used in each model.
8. R290 is a refrigerant gas that complies with the EU directives on the environment.
9. Do not puncture any part of the refrigerant circuit.
10. If the appliance is installed, operated or stored in a non-ventilated area, the room must be designed to prevent to the accumulation of refrigerant in the event of a leak.
11. When not in use the unit must be stored in such a way as to prevent mechanical failure or the risk of accidental damage.

12. Maintenance of the unit and the internal refrigeration circuit should only be undertaken by individuals who have the appropriate certification issued by an accredited organization.
13. Repairs to the unit should only be undertaken by the manufacturer or an approved service agent. Where repair work is required to the refrigeration circuit this should only be undertaken by individuals with the appropriate certification/qualifications issued by an accredited organization.

General Usage and Safety Considerations

1. The appliance is designed for indoor use only.
2. Always position the unit on a flat level surface.
3. Ensure the unit is properly connected an electrical supply of the appropriate rating and that the power cord, socket/outlet and plug are not damaged.
4. Do not use the unit with an extension lead or multi-way adapter plug
5. Do not use the unit:
   a) Near to a source of fire.
   b) In an environment where it is likely to come into contact with oil or solvents.
   c) In an area where it is exposed to direct sunlight.
   d) In an area where it is likely to come into contact with water such as near a bath, a laundry facility, a shower or a swimming pool.
6. Never insert your fingers or other items into the air inlet or outlet. Take special care to warn children of these dangers.
7. Always keep the unit upright while transporting and when in storage.
8. Before cleaning the air conditioner, always ensure it is turned off and disconnected from the power supply.
9. When moving the air conditioner, always turn off and disconnect the power supply first. Move the unit slowly and avoid dropping the unit or subjecting it to shock.
10. Do not cover the unit when in operation.
11. Only connect the unit to electrical outlets or sockets with the correct rating that are compliant with the local electric safety requirements.
12. Children must be supervised at all times to ensure that they do not play with the appliance.
13. Do not use the unit if the power cord is damaged. A damaged power cord must be replaced by the manufacturer or authorized service agent.
14. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children must not play with the appliance. Cleaning and user maintenance must not be undertaken by children without supervision.
15. The appliance must be installed in accordance with national wiring regulations.
16. Details of type and rating of fuses：T, 250V AC,2A.

17. Recycling

This marking indicates that this product should not be disposed of in normal household waste throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly at the end of its useful life. To dispose of your unit, please use the local and collection and disposal services provided by the relevant local authorities/agency or contact the retailer where the product was purchased for details of any collection and disposal services they provide.

18. Do not pull, deform, stretch or modify the power supply cord, or immerse it in water. Mistreatment of the power supply cord can result in damage to the unit and lead to a risk of electrical shock.
19. During use and when being disposed of, compliance with national refrigerant gas regulations must be observed.
20. Keep any ventilation openings on the unit clear of any obstructions.
21. Any person who is involved with working on or disconnecting any part of the refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, to ensure that they are competent to handle refrigerants safely in accordance with the appropriate regulations and industry requirements.
22. Servicing should only be performed as recommended by the equipment manufacturer.
23. Maintenance and repairs requiring the assistance of other skilled personnel should be carried out under the supervision of the person competent in the use of flammable refrigerants.
24. Do not operate or stop the unit by inserting or pulling out the power plug. Use the operator panel on the unit to switch the unit on/off before removing the plug.
25. Switch off and disconnect the unit from the power supply if it produces any abnormal noise, smell, or emits smoke.
26. When the unit has not been used for an extended period check the unit for damage prior to starting use.
27. If the unit is damaged during operation discontinue use, disconnect from power supply and contact the reseller for advice
28. When the air inlet cover is removed to gain access to any of the filters do not touch the exposed cooling coil fins with your hands or any tools/implements.

Getting to Know Your New Air Conditioner

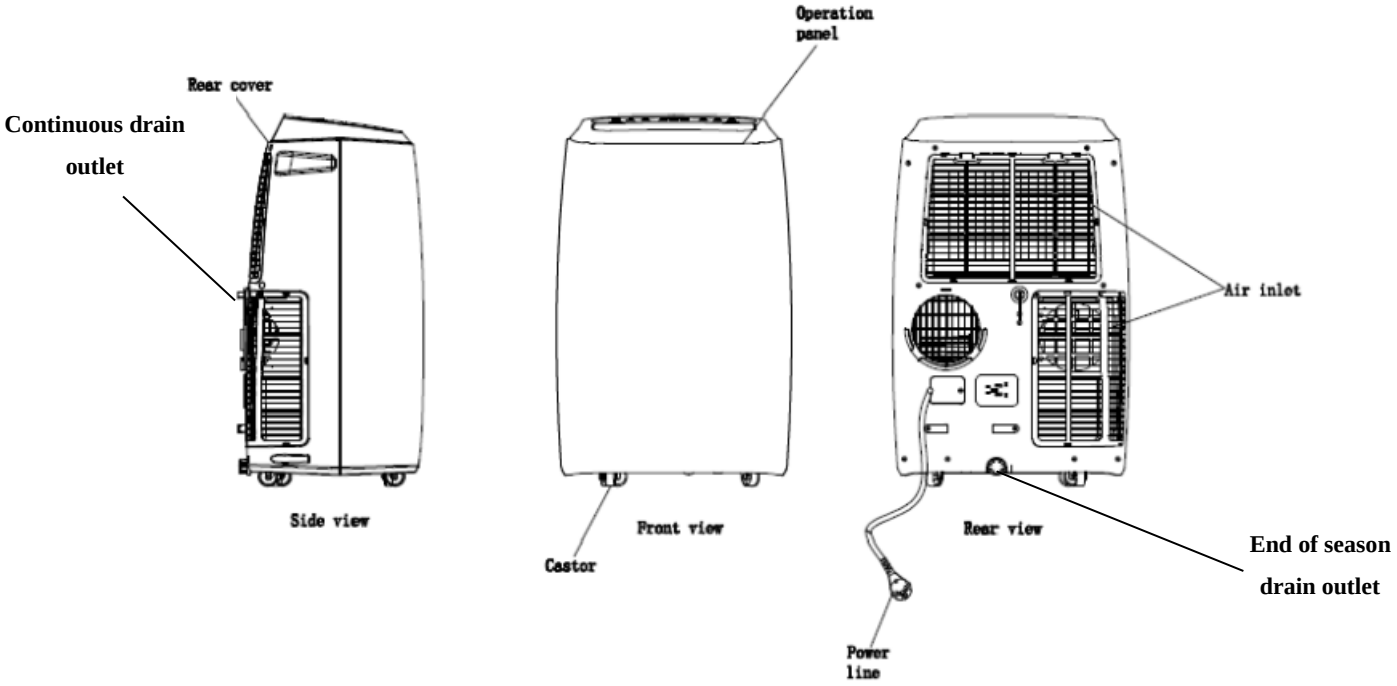


Fig 1

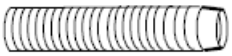
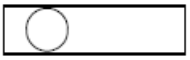
Part	Description	Quantity
	Main Air Conditioner Unit	1
	Hot-Air exhaust hose	1
	Hose Connector (Window end)	1
	Hose Connector (Air Conditioner end)	1
	Window Kit	1
	Remoter Controller	1

Fig.2

Operator Panel

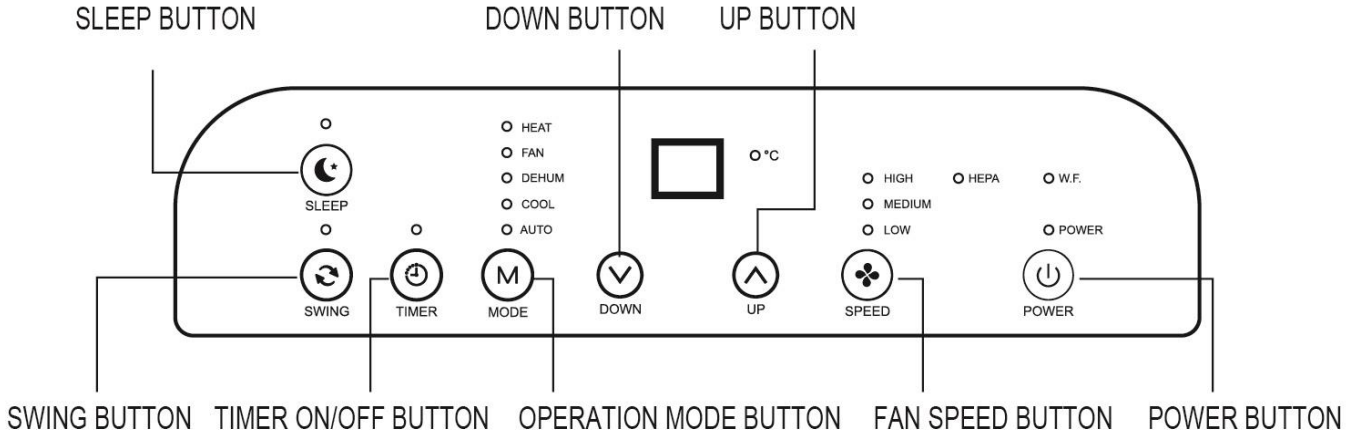


Fig.3

Operator Panel Buttons

POWER BUTTON	Switches unit ON/OFF
MODE BUTTON	Selects Operating Mode E.g. Heating/Cooling/Fan etc.
TIMER BUTTON	Enables Timer Mode
SPEED BUTTON	Selects Fan Speed
UP BUTTON	Increase Temperature
DOWN BUTTON	Decrease Temperature
SLEEP BUTTON	Night operation selector
SWING BUTTON	Automatic air flow direction ON/OFF

Indicators

POWER LED	Power on
SPEED LED	Indicates selected fan speed
MODE LED	Indicates selected operating mode
TIMER LED	Indicates Timer Mode active
SWING LED	Indicates Auto Swing active
SLEEP LED	Indicates Night Mode active
HEPA	Indicates optional HEPA filter installed
W.F. LED	Indicates the internal water tank is full

Remote Control

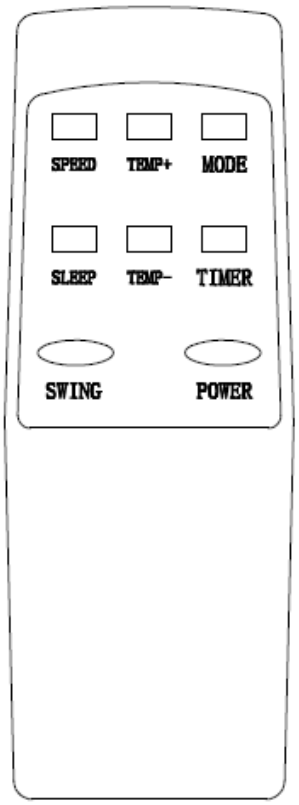


Fig.4

POWER	On/Off switch
MODE	MODE selector
TIMER	Hourly programming
SPEED	Fan speed selector
TEMP+	Increase Temperature
TEMP-	Decrease Temperature
SLEEP	Night operation selector
SWING	Auto air flow selector

Remote Control Batteries

The supplied remote control (Fig 4) requires 2 x AAA (LR03) batteries which are not supplied with the unit. Please obtain 2 x AAA batteries and install in the battery compartment in the back of the remote control noting the correct orientation. It is advisable for the batteries to be removed from the remote control if it will be unused for an extended period of time.

Preparing the Unit for Use

1) Locate a suitable power socket or outlet.
2) If the unit will be used in an EU country remove the UK converter plug (requires a screwdriver)

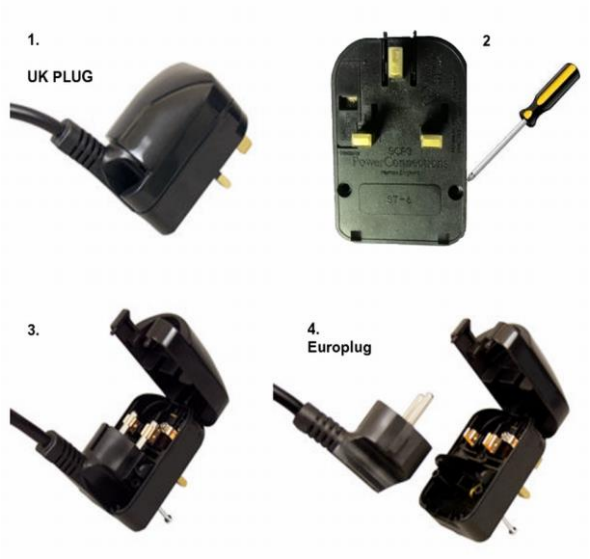


Fig 5a

3) Attach the exhaust hose to the unit (Fig 5b)
   a) Twist both ends of the exhaust hose into the supplied end connectors (Fig 2).

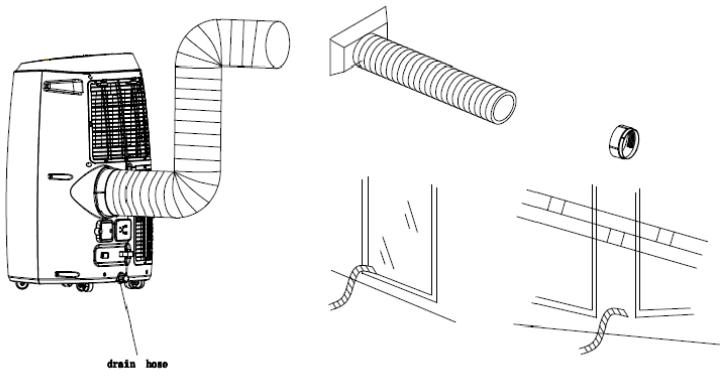


Fig 5b

   b) Attach the machine end connector to the outlet at the back of the air conditioner (Fig.5b).
   c) The end of the exhaust hose should be vented through a window or through a hole of the correct diameter in a wall if not using the supplied window kit.
4) If using the supplied window kit Fig.5c and Fig 5d place the window kit slide plate either horizontally or vertically in the window aperture, attach exhaust hose window end connector to

the window kit slide plate and adjust the window position.

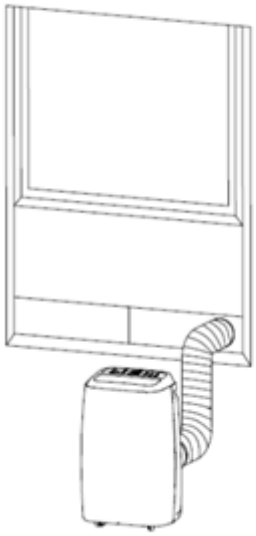


Fig 5c

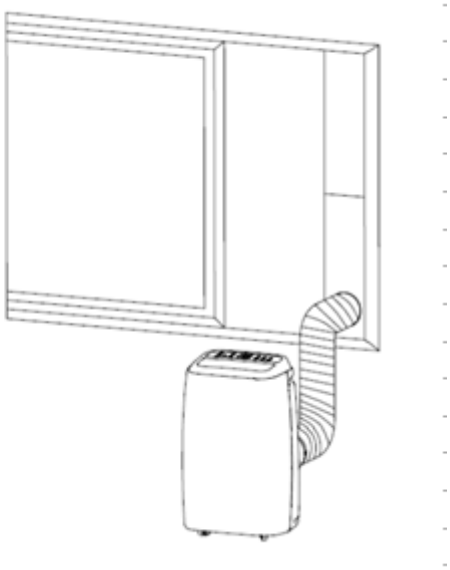


Fig 5d

5) Insert the power cord into a grounded AC220-240V/50Hz socket.
6) If required connect a drain hose to the continuous drain outlet which is situated on the rear of the machine approximately half way down the unit. If not using the continuous drain facility make sure that the rubber bung is fully inserted into the drain outlet.
7) Check the end of season drain plug at the rear bottom of the unit is fitted and secure (Fig 6a)
8) Keep the hose as straight as possible and avoid dips where the moisture from the exhaust air can condense and fill the tube with water. Do not allow the hose to be crushed or kinked (Fig 6b)
9) The supplied exhaust hose can be extended up to 1.5m long, but the shorter it is the more efficiently the CLIMATEASY xxR2 model will operate. Do not extend the hose or replace it with another type of unapproved hose.

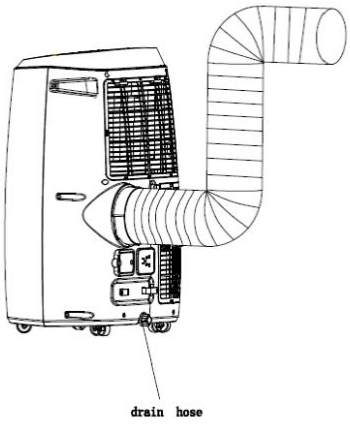


Fig.6a

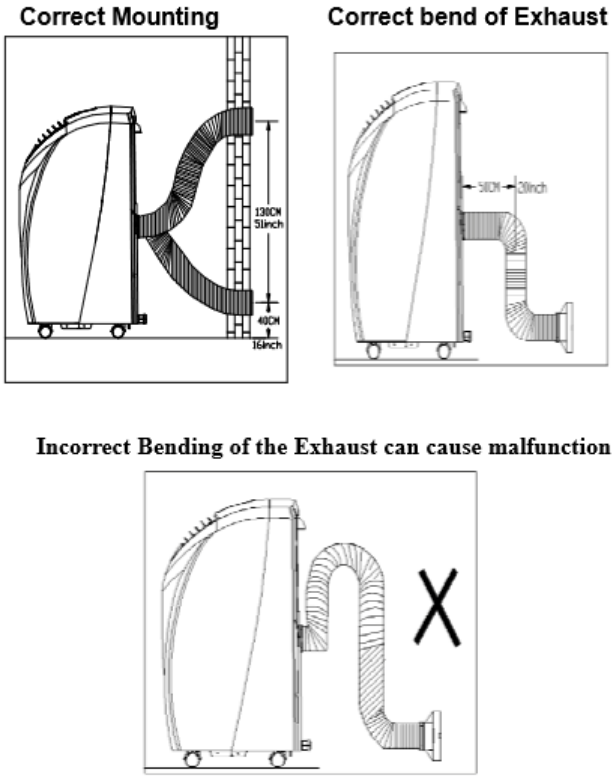


Fig 6b

Operating the Unit

The unit has the following operational temperature range for cooling and heating:

	Maximum cooling	Minimum cooling
DB/WB(℃)	35/24	18/12

	Maximum heating	Minimum heating
DB/WB(℃)	27/---	7/---

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1. Cooling and dehumidifying operation considerations:

a) When switching between cooling and dehumidifying modes, leave at least 3 minutes between each ON/OFF cycle.
b) Confirm the power supply meets the unit requirements and is for AC use. Required power supply is AC220--240V，50Hz
c) Do not use a multi-way adapter plug to share the socket being used for the unit with other appliances.
d) Check whether the exhaust hose has been connected properly.

Press the POWER button to turn on the air-conditioner and select the desired operational mode as described below

2. Auto mode

a) Depending on the room temperature, the unit automatically selects the operational mode e.g. cooling, dehumidifying or heating (see Table 1).

Table 1

Room Temperature (Tr)	Tr <23 ℃	23℃≤Tr ＜26℃	Tr ≥26℃
Mode	Heating	Dehumidify	Cooling
Set Temperature	21℃	23℃	25℃

3. Cooling mode

a) Press the “Mode” button until the “Cool” LED illuminates.
b) Press the “DOWN” or “UP” button to select the desired room temperature. (16℃-31℃)
c) Press the “Fan Speed” button to select required fan speed.

4. Dehumidifying mode

Press the “Mode” button until the “Dehumidify” LED illuminates.
a) Automatically sets the selected temperature to current room temperature minus 2℃. (16℃-31℃)
b) Automatically sets the fan motor to LOW fan speed.

5. Fan mode

a) Press the “Mode” button until the “Fan” LED illuminates.
b) Press the “Fan Speed” button to select the required fan speed.

6. Heating mode (this function is only available on models that support heat and cooling)

a) Press the “Mode” button until the “Heat” LED illuminates.
b) Press the “DOWN” or “UP” button to select a desired room temperature. (16℃-31℃)
c) Press the “Fan Speed” button to select the required fan speed

7. Timer operation

Timer ON setting:

a) When the air-conditioner is OFF, press the “Timer” button and select a desired ON time through the temperature and time setting buttons.
b) “Pre-set ON Time” is displayed on the operation panel.
c) ON time can be set to any time in the range 0-24 hours.

Timer OFF setting:

a) When the air-conditioner is ON, press the “Timer” button and select a desired OFF time through the temperature and time setting buttons.
b) “Pre-set OFF Time” is displayed on the operation panel.
c) OFF time can set to any time in the range 0-24 hours.

8. Swing (air flow direction)

Press this button after the unit has been switched on. The louvres will swing continuously left and right. The function can be deactivated by pressing the button a second time.

9.Sleep Control Function

a) While in cooling mode, press the SLEEP button to set the temperature. It increases by 1 ℃ after an hour and by 2 ℃ after 2 hours.
b) While in heating mode, press the SLEEP button to set the temperature. It decreases by 1 ℃ after an hour and by 2 ℃ after 2 hours.
c) Press the SLEEP button again to cancel the setting.

10. Drainage

Internal Tank Water Full Alarm Function

When operating in cooling mode unwanted water is removed from the air. The majority of this extracted water is re-used to cool the unit. In conditions of very high humidity an amount of water may accumulate in the internal water tank in the bottom of the machine. The internal water tank in the air conditioner is equipped with water level safety switches, which control the water level. When the water level reaches a pre-determined height, the water full indicator lamp on the operator panel illuminates. When the internal water tank is full the compressor will switch off but the fan will continue to operate.

If the water full indicator illuminates, empty the internal water tank using the following steps:

a) Turn the unit off and disconnect it from the power supply. To avoid any spillage avoid moving the unit while the tank is full.
b) Place a suitable drain pan under the drainage port/outlet on the bottom of the rear of the unit
c) Carefully unscrew the drain port cover and remove any internal bung found in the port taking care to ensure that the drain pan is positioned correctly to catch both the initial outflow of water and any reduced flow as the tank empties.
d) Once the flow of water stops replace any internal bung and/or replace the screw cover on the drain outlet making sure it is firmly seated.

Please note that when operating in heating mode the unit will still produce water that may need periodically emptying from the machine.

Continuous Drainage

It is possible to eliminate the requirement to empty the internal water tank by using the optional continuous drain facility. To use this facility, remove the bung from the black drain outlet located half way down the rear of the unit and attach a suitably sized pipe/hose to direct any water into a container or waste water drain. You can also use this facility when the unit is operating in HEAT mode. Should the water pump in the unit become damaged the continuous drain facility can be used, to allow the unit to continue to operate.

Maintenance and Cleaning

1) Before cleaning, be sure to disconnect the unit from any electric supply outlet;
2) Do not use gasoline or other chemicals to clean the unit;
3) Do not wash the unit directly or immerse the unit in water
4) If the unit is damaged during cleaning, please contact the dealer or authorised service agent

Cleaning the Air Filter

If the air filter becomes clogged with dust/dirt, the air filter should be cleaned once every two weeks.

1) Removing
   Open the air inlet grille and take off air filter.
2) Cleaning
   Clean the air filter with neutral detergent in lukewarm water（40℃), Dry out of direct sunlight.
3) Refitting
   Refit the air filter into the inlet grille and replace the components as originally fitted.

Cleaning the Air Conditioner Casing

First clean the surface with a neutral detergent and damp cloth, then wipe it with a clean dry cloth.

End of Season Storage.

Before putting the unit into storage all remaining water should be drained from the internal tank using the same drain procedure as when the water tank full indicator is illuminated. After emptying run the appliance in "fan only" mode for a few hours to dry the inside thoroughly. Clean the filter, unplug the mains cable and store the appliance in its original box in an upright position. Be sure to refit the drain plug securely.

Troubleshooting

Basic Fault Finding

Unit stops running:

Mains supply is disconnected or has failed
Target temperature has been reached.
Timer has been set.
Water tank is full (WATER FULL indicator will illuminate)

In cooling mode, no cool air is produced:

Room temperature is lower than set temperature
The unit is defrosting (this will take a few minutes and afterwards it will resume operation)
Filter is blocked

Cooling is poor on hot days:

Too much direct sunshine is heating the room
Windows or doors are open allowing hot air into the room
A large number of people present in the room
Electrical equipment in the room producing heat

Heating is poor on cold days:

The heat pump can only heat effectively when the outdoor temperature is above 7 °C.
The unit is not intended as a primary means of heating premises

Remote control does not work:

Check batteries are correctly installed and are not exhausted.
Make sure that the remote control is pointed towards the main unit when being used.

Detailed Fault Symptoms and Error Codes

Symptom	Possible Causes	Suggested Remedies
1. Unit does not start when pressing on/off button	Water full indicator lamp blinks and water tank is full.	Dump the water out of the water tank.
	Room temperature is higher than the setting temperature. (Electric heating mode)	Reset the temperature
	Room temperature is lower than the setting temperature. (Cooling mode)	Reset the temperature

2. Not cool enough	The doors or windows are not closed.	Make sure all the windows and doors are closed.
	There are other heat sources inside the room.	Remove the heat sources if possible
	Exhaust air hose is not connected or blocked.	Connect or clean the exhaust air hose.
	Temperature setting is too high.	Reset the temperature
	Air inlet is blocked.	Clean the air inlet.
3. Auto Power-Off in heating mode	Heating protection, when the temperature at the air outlet exceeds 70℃, the unit will power off automatically.	Restart the unit when the room temperature is lower.
4. Noisy	The surface is not level or not flat enough	Place the unit on a flat, level surface if possible
	The sound comes from the flowing of the refrigerant inside the air conditioner	This is normal
5. E0 Code	Room temperature sensor failed	Replace room temperature sensor (the unit can operate without replacement.)
6. E3 Code	Pipe temperature sensor failed	Replace pipe temperature sensor (the unit can operate without replacement.)
7. E2 /E4 Code	Internal Water tank full	Please empty the water tank.

Warranty

SERVICE WARRANTY

Cottage Stores LLP guarantees the product free from defects in materials and workmanship for a period of twelve months. Should this unit be operated under conditions other than those recommended, at voltages other than the voltage indicated on the unit, or any attempts made to service or modify the unit, then the warranty will be rendered void.

Please note any attempt to extend the exhaust hose will invalidate the warranty. The product you buy may sometimes differ slightly from illustrations.

This warranty is in addition to, and does not affect, your statutory rights.

If you have any problems with this product, please in the first instance contact the retailer/reseller from whom you originally purchased it.

Please retain all packaging until end of the warranty period.

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Appendix A. Product Technical Specifications

Model	Climateasy 14R2	Climateasy 16R2	Climateasy 18R2
Dimensions (mm)	W490 x H768 x D376	W490 x H768 x D376	W490 x H768 x D376
Net Weight	28kg	29kg	30kg
Voltage	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz
Power Consumption (Cooling)	1538W	1769W	2000W
Power Consumption (Heating)	1520W	1826W	2043W
Operating Current (Cooling)	7.0A	8.0A	9.3A
Operating Current (Heating)	6.8A	8.4A	9.4A
Heating Capacity	14000 Btu/4000W	16000 Btu/4600W	18000 Btu/5200W
Cooling Capacity	12000 Btu/3200W	14000 Btu/4200W	16000 Btu/4700W
Dehumidifying Capacity	1.5 L/h	2.1 L/h	2.2 L/h
Working Temp Range (Cooling)	18-35 ^{o}C	18-35 ^{o}C	18-35 ^{o}C
Working Temp Range (Heating)	7-27 ^{o}C	7-27 ^{o}C	7-27 ^{o}C
Air Flow	450m^3/h	450m^3/h	450m^3/h
Refrigerant	R290 (225g)	R290 (225g)	R290 (300g)
EER Class	A	A	A

Appendix B. Window Kit Usage Specifications