

newair[®]

AC-12200E
AC-12200H

Portable Air Conditioner



OWNERS MANUAL

Read and save these instructions



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Date of Purchase: _____

Serial Number: _____

Model Number: _____



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BEFORE USE

GENERAL SAFETY INSTRUCTIONS:

- Always operate the unit in an upright position and place it on a flat, level surface at least 14" (36 cm) away from any other objects (fig. 1 & 4).
- Do not place objects on the unit, and do not cover or block the air inlet / outlet (fig. 2).
- Closely supervise any children or 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 its use by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

ELECTRICAL SAFETY:

- This appliance is for indoor use only.
- Always turn off the unit and unplug it when it is not in use.
- Do not use this AC in excessively humid or wet environments (fig. 3).
- Do not pull or strain the power cord when moving this appliance.
- If the supply cord is damaged, it must be replaced by an electrician⁴⁴ or specialized technician authorized by the manufacturer.

FOR MAXIMUM EFFICIENCY:

- For maximum cooling efficiency, do not use the AC in an area that exceeds the recommended room size.
- For maximum cooling efficiency, also make sure doors and windows are closed while the portable air conditioner is in use. Also keep curtains and blinds closed during the sunniest parts of the day while the air conditioner is in operation.
- Regularly clean the portable air conditioner's filters.
- Once the room or area has reached the desired temperature, be sure to adjust the unit's temperature and fan settings.

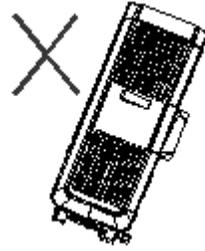


FIG. 1



FIG. 2



FIG. 3



FIG. 4

PARTS

Front

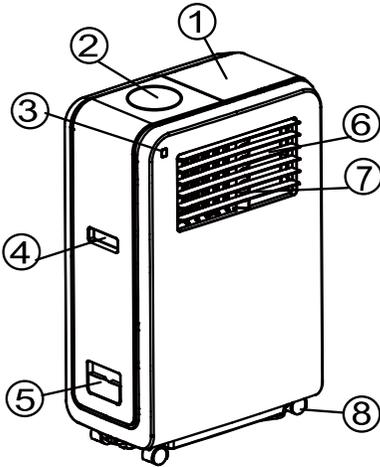


FIG.5

1. Exhaust pipe compartment
2. Control Panel
3. Remote control receiver
4. Carrying handle
5. Water funnel (for energy saving)
6. Horizontal louver
7. Vertical louver
8. Caster

Back

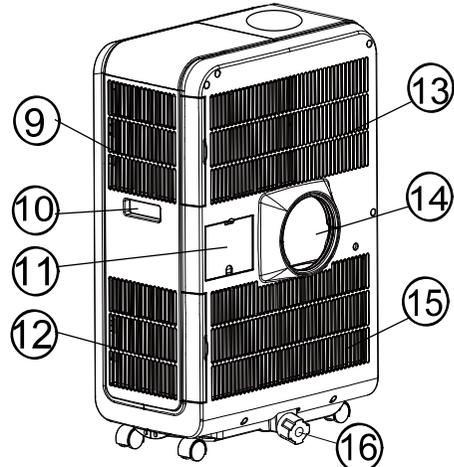


FIG.6

9. Air filter (air inlet)
10. Carrying handle
11. Cord compartment
12. Air filter (air inlet)
13. Air filter (air inlet)
14. Exhaust air outlet
15. Air filter (air inlet)
16. Drainage knob / drainage point

Accessories

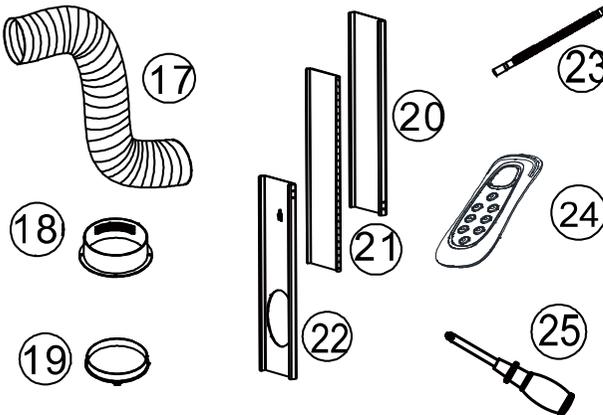


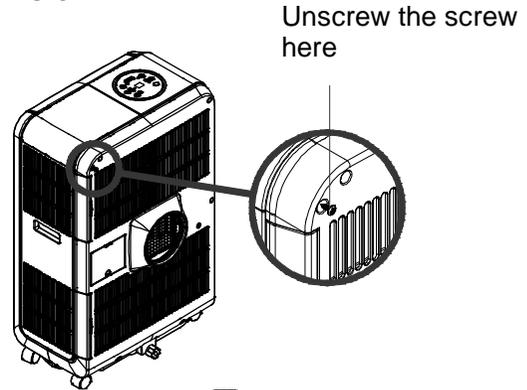
FIG.7

17. Exhaust hose.
18. Adaptor - for insertion over hose and into window spacer (or into hole in the wall/window).
19. Cover for adaptor
20. Slide 1 - for filling the open window space
21. Slide 2 - for filling the open window space
22. Slide 3 - for filling the open window space and with hole for connection to exhaust hose.
23. Drain tube for continuous drainage
24. Remote control
25. Screw driver (to unscrew the top slide, see instruction in next page)

INSTALLATION of the exhaust pipe

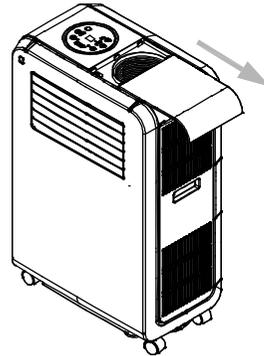
1. Unscrew the slide at the top.

FIG.8



2. Remove the slide at the top.

FIG.9



3. Take out the exhaust pipe.

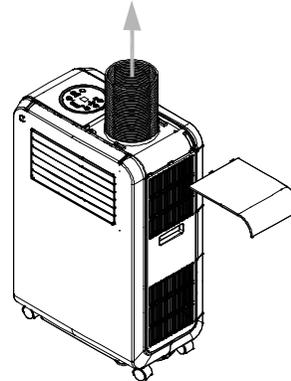


FIG.10

4. Fix the exhaust pipe to the air outlet at the back.

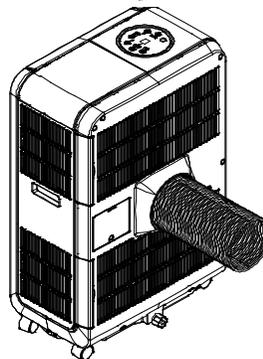


FIG.11

5. For storage of the exhaust pipe, please do it in the opposite steps. **Remember to fix the screw back to the unit !!**

- Use only the hose provided and clip exhaust hose and unit adaptor to the back of the air conditioner
- Avoid kinks and bends in the exhaust hose as this will cause expelled humid air to build up causing the unit to overheat and shut down.
- The hose may be extended from 12" to 59" (300 to 1500mm) but for maximum efficiency use the shortest length possible.

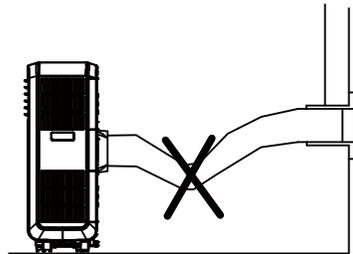
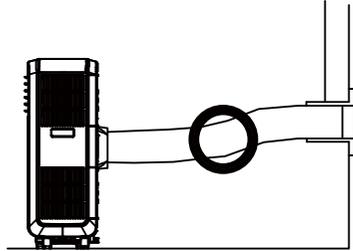
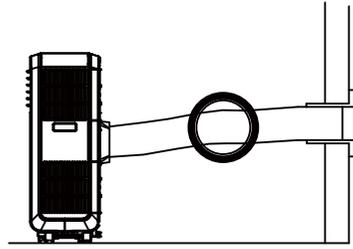


FIG.12

WARNING!

The length of the exhaust pipe is specially designed according to the specification of this product. Do not replace or prolong it with your own private hose as this could cause the unit to mal-function.

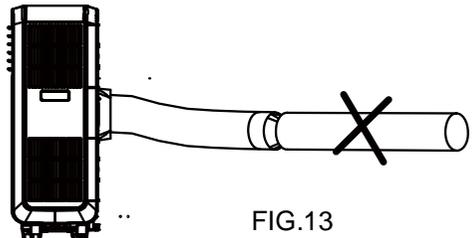


FIG.13

INSTALLATION of the unit

The unit is a portable air conditioner that may be moved from room to room.

1. Using the extendable slide

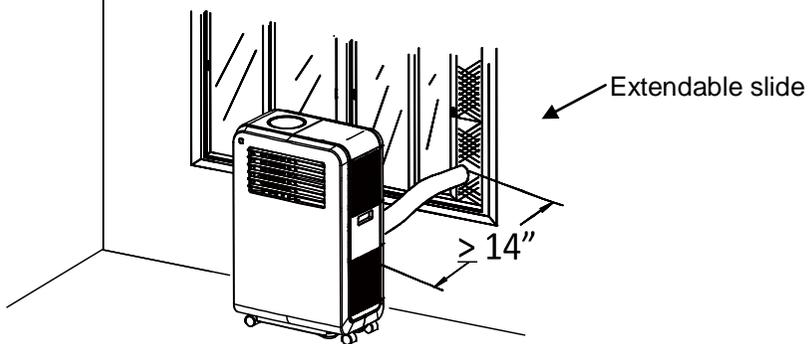


FIG.14

- Offer window spacer to the window gap and adjust the length as you need.
- Feed exhaust hose through the window spacer and slide window across so that spacer is held securely. This technique may also be used for sash windows. Note: Take care to maintain protection against intruders

2. Using the adaptor

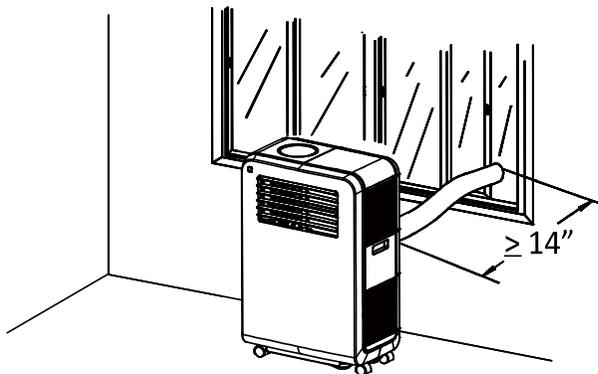


FIG.15

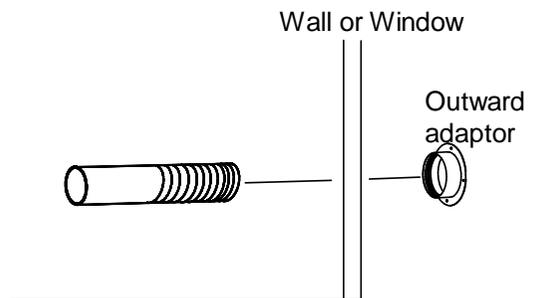


FIG.16

- Cut a 6" (152mm) diameter hole in the wall or window.
- Feed exhaust hose through the window or wall and attach the threaded adaptor from the outside as shown.
- When not in use, plug the hole with the cover provided.

OPERATION

Control panel

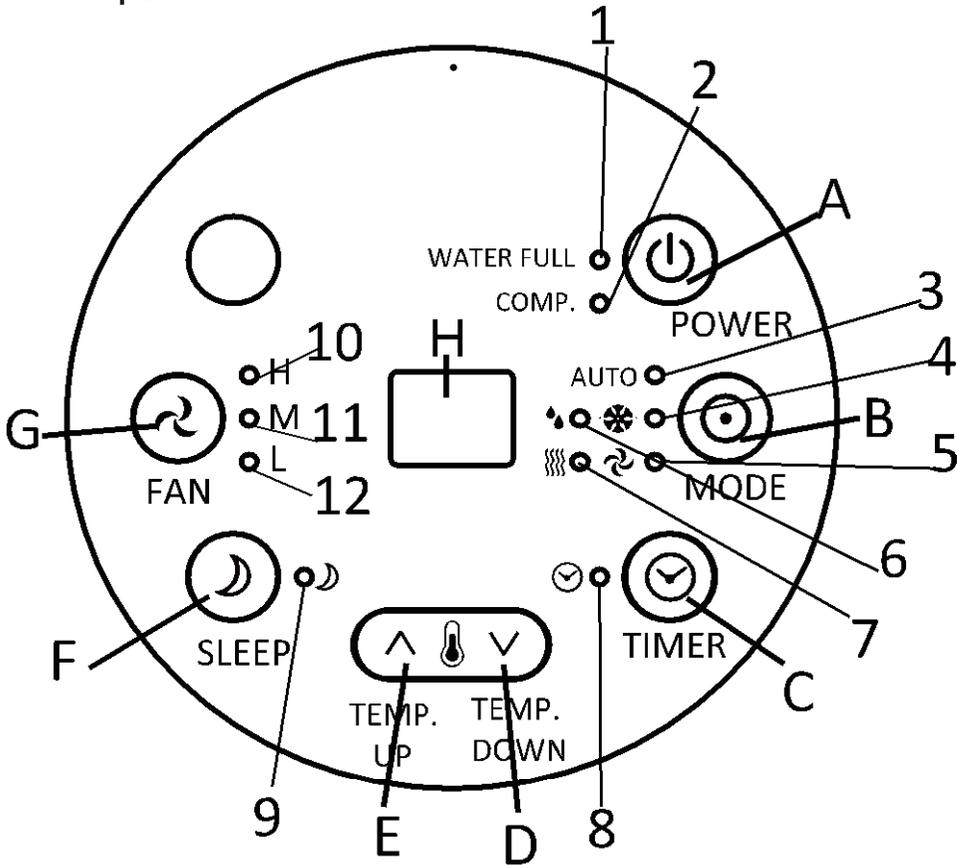


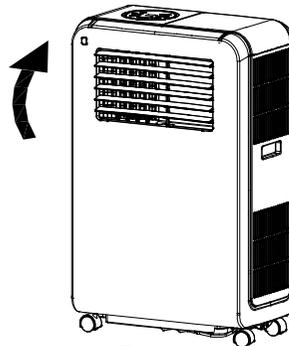
FIG.17

- | | |
|----------------------------|--|
| A. POWER (ON/OFF) button | 1. Water full indicator |
| B. MODE button | 2. Compressor operation indicator |
| C. TIMER button | 3. AUTO mode indicator |
| D. TEMPERATURE DOWN button | 4. COOL mode indicator |
| E. TEMPERATURE UP button | 5. FAN mode indicator |
| F. SLEEP button | 6. DRY mode indicator |
| G. FAN SPEED button | 7. HEAT mode indicator (<i>for model# AC-12200H</i>) |
| H. Display window | 8. Timer button |
| | 8. Timer indicator |
| | 9. Sleep indicator |
| | 10. High fan speed indicator |
| | 11. Medium fan speed indicator |
| | 12. Low fan speed indicator |

Adjust the air vent

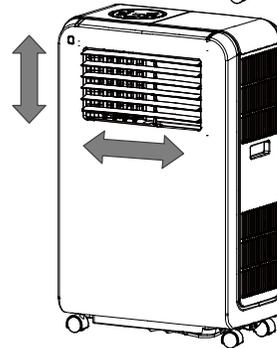
Before using the unit, please do open the horizontal louver!

FIG.18



Adjust the louvers to your desired direction

FIG.19



Turning the Unit On and Off

- Press the ON/OFF button. The unit will start automatically:

For cooling only model: AC-12200E

R.T. (room temperature) $\geq 75^{\circ}\text{F}$ → the unit will work in cooling mode

R.T. $< 75^{\circ}\text{F}$ → the unit will work in fan mode

For cooling & heating model: AC-12200H

R.T. (room temperature) $\geq 75^{\circ}\text{F}$ → the unit will work in cooling mode

$68^{\circ}\text{F} \leq \text{R.T.} < 75^{\circ}\text{F}$ → the unit will work in fan mode

R.T. $< 68^{\circ}\text{F}$ → the unit will work in heating mode

- At this time, the indicator lights showing any functions in progress will turn on. Please note that the display window will only show ambient room temperatures from 32°F to 122°F
- To turn the unit off, press the ON/OFF button again.

Setting mode/function

Press the MODE button to select the required working mode: cooling, fan or dry
Sign of your selected mode comes on.

Setting temperature

1. Press the increase temperature or decrease temperature button to change the set temperature.
2. The display window will then indicate the set temperature. If no temperature is set, the display will show the room's ambient temperature.

Setting the Fan Speed

Press the fan speed button to select the desired fan speed. The appropriate indicator light will turn on accordingly.

Setting timer

1. Press the TIMER button to set the operating hours you desired (1 to 24 hours), the sign of timer will light on. When the set time has been reached, the machine will turn off automatically. The display window will show the hour(s) you set as you press the TIMER button. If the timer button is not pressed, the unit will work continuously.
2. By pressing the timer but without turning on the other functions, you can PRE-SET the time for the machine to work. For example, if you press the timer to '2', the unit will work automatically after 2 hours.

Sleep function

1. In cooling mode, by pressing the SLEEP button, the set temperature will increase 1°F at the 1st hour, another 1°F at the second hour, then keeps at that temperature.
2. In heat mode, by pressing the SLEEP button, the set temperature will descend 1°F at the 1st hour, another 1°F at the second hour, then keeps at that temperature.
3. In sleep mode, the fan will keep at low speed. Re-press the SLEEP button, the setting temperature and fan speed will return to the pre-selected one.
4. The unit will shut down automatically after the SLEEP function running for 12 hours.
5. ***Please note, the sleep function is not available while the machine is working in fan, dry or auto mode. Only available in Cooling or Heating mode.***
6. ***When the machine is in Sleep function, the Fan Speed would turn to be LOW speed.***

DRY (Dehumidify) mode

In the dry mode, the temperature cannot be adjusted, the fan will fix at low speed. When the unit is operating in DRY mode, humidity extracted from the air is collected in an internal tank. If the tank reaches full, the compressor and motor cut out automatically. At the same time, the "Water Full" indicator comes on. An alarm will also sound. When the tank is full, drain the water as shown in the page concerning "DRAINAGE". You may also use the unit without having to empty the tank so often by using "continuous drainage", please also refer to the page about "DRAINAGE".

Heating Function (Optional – Only Available on model# AC-12200H)

This portable air conditioner can work as a heater because it has a heat pump. Ambient warm air is recycled and used to heat specific areas. **In order to use the air conditioner as a heater, the exhaust hose must still be fitted onto the unit in order to allow cold air to be removed.** When in heating mode, the unit can run on either high or low speed.

Self-diagnosis

This machine is equipped with self-diagnosis function. If something is wrong in the machine, the LCD will show the word “E1” or “E2”. As this time, please call your service centre.

All the above functions can also be performed with the supplied remote control.

This remote control requires 2 pcs AAA batteries to operate.



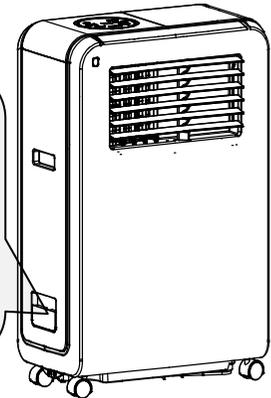
FIG.20

EFFICIENCY BOOSTING

This unit is equipped with “energy efficiency boosting” function, by adding 2.5 pints (1.2L) water to the water funnel at the side of the unit, the energy efficiency can be elevated. The principle is: while the machine is working, the condenser will be getting hot, if you add the water into the unit after the unit has been worked for more than one hour, the water will cool down the condenser, so it will consume less power, i.e. saving power.

FIG.21

1. Pull out the water funnel
2. Add 2.5 pints (1.2 L) water to the funnel
3. Push back the water funnel



NOTE !

1. This efficiency feature by adding water is proposed to do after one hour operation and the water should NOT be over 2.5 pints (1.2L), otherwise, the “water full” indicator will light in red and the unit will stop working.
2. In case the “water full” indicator is in red, please drain the water from the drain point at the back side of the unit until the red light goes out. The unit should work again now.

IMPORTANT !

1. To prolong the compressor's life, after switch-off of the unit, please wait for 3 minutes (at least) before re-switch.
2. The cooling system will switch off if the ambient temperature is lower than the set one. The fan, however, keeps working at the set level. If the ambient temperature rises above the selected level, the cooling will return to work.

DRAINAGE

When the unit is operating in Cooling or Dry mode, humidity extracted from the air is collected in an internal tank. If the tank reaches full, the compressor and motor cut out automatically. At the same time, the "Water Full" indicator comes on. An alarm will also sound. When the tank is full, carry out the following instructions:

1. Turn off the air conditioner and avoid moving it when full.
2. Position a container (a water tray for example) underneath the drain hole.
3. Remove the drain knob & rubber plug from the drain hole and allow the water to drain out.
4. When the container is almost full, replace the rubber plug in the drain hole and empty the water tray.
5. Repeat until the unit is emptied.
6. Replace the rubber plug and tighten the drain knob firmly.
7. Switch on the unit - the full water or compressor operating indicator should not be flashing.

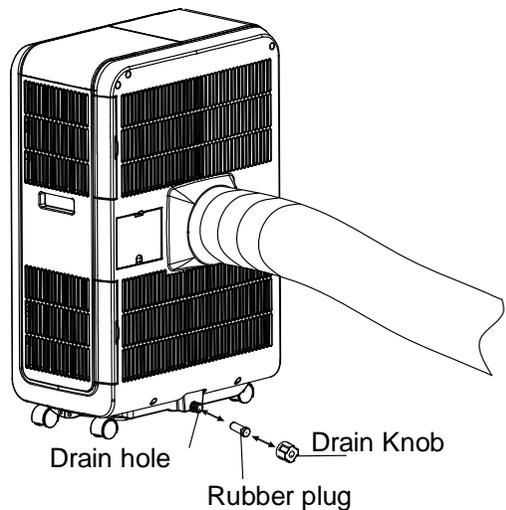


FIG.22

Should you prefer to use the appliance without having to empty the tank every so often, proceed as follows:

- Remove the drain knob and rubber plug and retain for future use.

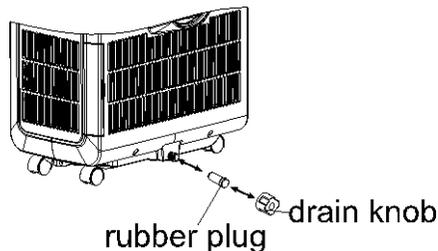


FIG.23

- Connect the drain tube supplied to the water outlet as shown and locate the other end into a drain.
- The drain tube may be extended by adding an extension tube and using a suitable connector.

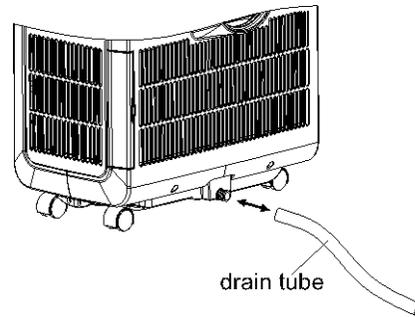


FIG.24

Please note

1. The drain must be at a lower level than the drain hole on the unit.
2. Flashing 'Water Full' indicator will not function in this mode of drainage.
3. If you want to extend the water tube, you can connect it with another tube (OD: 0.7" / 18mm)

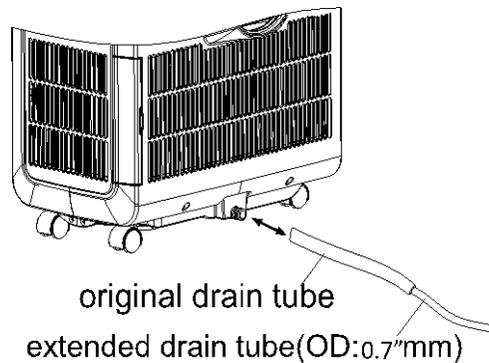


FIG.25

When Using the Heating Function:

When using the heating function, please note the following:

1. Make sure the exhaust hose is properly installed in order to exhaust the cool air to the outdoors.
2. Drain the unit using the continuous drainage method as outlined above.

The operating range for the heating function is 45°F to 77°F. The unit may not work properly if used in temperatures outside this range.

MAINTENANCE

**Always unplug the air conditioner from the mains before cleaning.
To maximize the efficiency of the air conditioner, clean the unit regularly.**

Cleaning the housing

Use a soft, damp cloth to wipe the body clean.

Never use aggressive chemicals, gasoline, detergents, chemically treated cloths, or other cleansing solutions. These all could possibly hurt the cabinet.

Cleaning the filter

Use a vacuum cleaner or tap the filter lightly to remove loose dust and dirt from the filters and then rinse thoroughly under running water (no hotter than 104°C).

Dry thoroughly before replacing.

Notice! Never operate the unit without the filters.

End of season storage

- Drain any water in the unit before completely operating the unit on fan mode for a few hours, to thoroughly dry the inside.
- Clean or change the filter
- Unplug and store the power cord as shown
- Replace in the original carton or cover for storage.

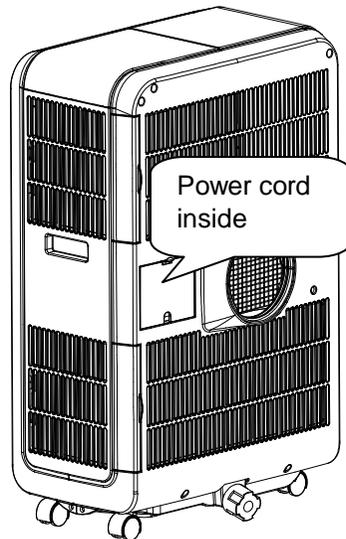


FIG.26

FAULT CHECK LIST

- | | |
|----------------------------------|---|
| The air conditioner does not run | <ul style="list-style-type: none"> • Is the air conditioner plugged in? • Is there a power failure? • Is the 'full water' indicator flashing? • Is the room temperature below the set temperature? |
| The machine seems to do little | <ul style="list-style-type: none"> • Is there direct sunshine? (Please put down the curtain.) • Are too many windows or doors open? • Are there too many people in the room? • Is there something in the room producing lots of heat? |
| The machine seems to do nothing. | <ul style="list-style-type: none"> • Is the filter dusty, contaminated? • Is the air intake or output blocked up? • Is the room temperature below your selected temperature? |
| Too noisy | <ul style="list-style-type: none"> • Is the machine positioned unevenly so as to create vibration ? • Is the floor underneath the machine uneven? |
| The compressor doesn't run. | <ul style="list-style-type: none"> • Is so, it is possible the overheat protection of the compressor is on. Just wait for the temperature to drop. |

☆ **Never try to repair or dismantle the unit yourself**

TECHNICAL SPECIFICATION

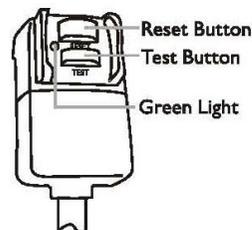
Model no.	AC-12200E	TC-12200H
Power Supply	115V~, 60Hz	
Power Consumption / Ampere (Cooling)	1300W / 11.6A	1300W / 11.6A
Power Consumption / Ampere (Heating)	N/A	1180 W / 10.5A
Air Volume (Max. Speed)	223 CFM (380 m ³ /h)	
Dehumidification Capacity	1.7 pints/hour	
Compressor Type	Rotary	
Refrigerant	R-410A (Please refer to the rating label)	
Fan Speed	3	
Timer	1~24 hours	
Exhaust Pipe	Ø 5.6" x 59" (Ø 142 x 1500mm)	
Net Weight	58 lbs	
Dimensions (W x D x H)	18.9" x12.3" x29.3" (480 x 313 x 744 mm)	

Notes:

- The heating function is only available in the AC-12200H model.
 - The data marked with '*' may vary for technical reasons; for more accurate data, please refer to the rating label found on the back of the unit.
 - Measuring condition for the above specifications:
 - Cooling – DB = 95° F (35° C), WB= 82.94° F (28.3° C)
 - Heating – DB= 68° F (20° C), WB= 59° F (15° C)
- * D.B. = dry bulb temperature = room temperature
 *W.B. = wet bulb temperature = relative humidity

* If you plug in the Air Conditioner, and there is no green light on the plug, press the reset button on the LCDI plug. The green light should be lit, indicating that the air conditioner is getting power from the electrical outlet.

If the plug continues to trip (which is a USA national safety standard feature) and the green light goes off, the cord may be damaged preventing you from resetting the unit. For your safety, contact a licensed electrician.



LIMITED MANUFACTURER'S WARRANTY

This appliance is covered by a limited manufacturer's warranty. For one year from the original date of purchase, the manufacturer will repair or replace any parts of this appliance that prove to be defective in materials and workmanship, provided the appliance has been used under normal operating conditions as intended by the manufacturer.

Warranty Terms:

During the first year, any components of this appliance found to be defective due to materials or workmanship will be repaired or replaced, at the manufacturer's discretion, at no charge to the original purchaser. The purchaser will be responsible for any removal or transportation costs.

Warranty Exclusions:

The warranty will not apply if damage is caused by any of the following:

- Power failure
- Damage in transit or when moving the appliance
- Improper power supply such as low voltage, defective household wiring or inadequate fuses
- Accident, alteration, misuse or abuse of the appliance such as using non-approved accessories, inadequate air circulation in the room or abnormal operating conditions (extreme temperatures)
- Use in commercial or industrial applications
- Fire, water damage, theft, war, riot, hostility or acts of God such as hurricanes, floods, etc.
- Use of force or damage caused by external influences
- Adjustments to temperature by removal of sticker and/or screw
- Partially or completely dismantled appliances

Obtaining Service:

When making a warranty claim, please have the original bill of purchase with purchase date available. Once confirmed that your appliance is eligible for warranty service, all repairs will be performed by a NewAir™ authorized repair facility. The purchaser will be responsible for any removal or transportation costs. Replacement parts and/or units will be new, re-manufactured or refurbished and is subject to the manufacturer's discretion. For technical support and warranty service, please email support@newairusa.com