

Remote Controlled Window Type Room Air Conditioner

OPERATION MANUAL

HW-09CN03

- Please read this operation manual before using the air conditioner.
- Please keep it attentively.

No.0010554205

Contents

Parts Name	2-3
Operation Guide	4-9
Maintenance	10-12
Trouble Shooting	12
Installation Guide	13-14

The machine is adaptive in following situation:

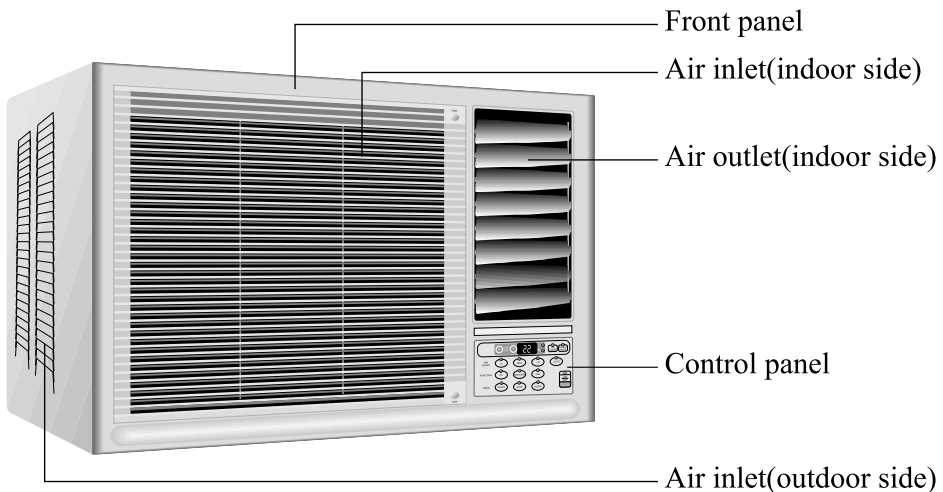
1. Applicable ambient temperature range:

Cooling	Indoor	Maximum:	D.B/W.B	32°C/23°C
		Minimum:	D.B/W.B	18°C/14°C
	Outdoor	Maximum:	D.B/W.B	43°C/26°C
		Minimum:	D.B	18°C

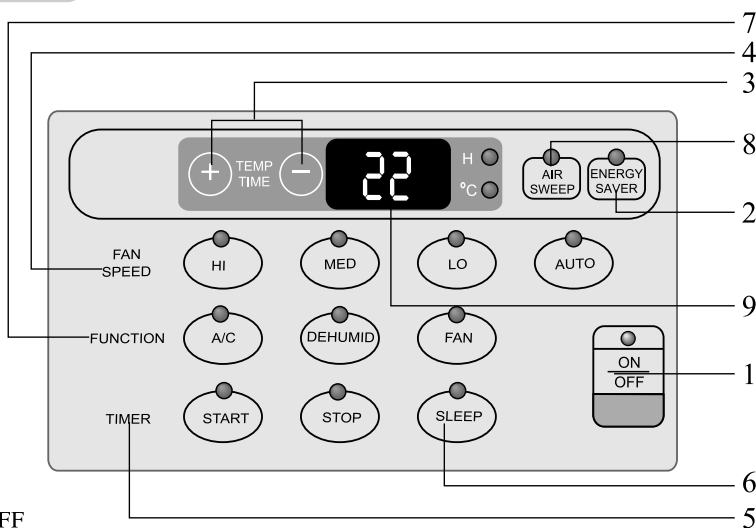
2. If the supply cord is damaged, it must be replaced by the manufacturer or its serviceagent or a similar qualified person.
3. After installation, the power plug should be easily reached.
4. The wiring method should be in line with the local wiring standard.

Parts and Functions

Machine body



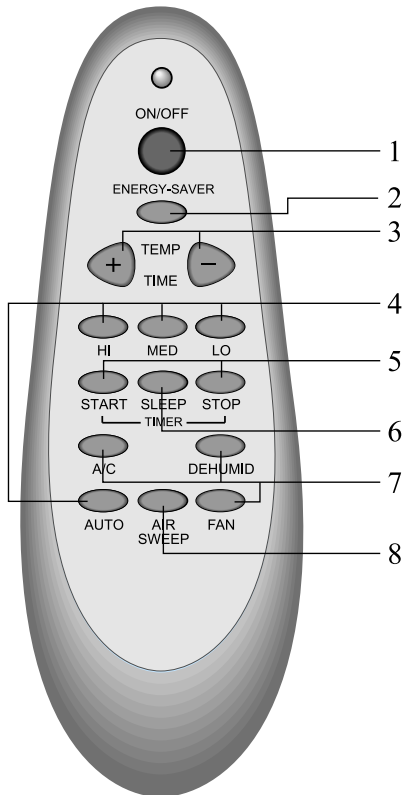
Control panel



1. ON/OFF
Press it to start unit and press it again to stop.
2. ENERGY SAVER
This will not only save you electrical and energy costs but also shuts off the unnecessary noise of the fan motor running.
3. TEMP. or TIME set
Used to set TIME or TEMP. setting.
4. FAN SPEED
Used to select desired fan speed.
5. TIMER
Used for TIMER start or stop .
6. SLEEP
Used to set SLEEP function.
7. FUNCTION
Used to select operation mode: A/C, DEHUMID, FAN.
8. AIR SWEEP
Used to activate the vertical louver. This will give you an even airflow throughout the room.
9. TEMP./TIME display

Parts and Functions

Remote controller



1. ON/OFF
Press it to start unit and press it again to stop.
2. ENERGY SAVER
This will not only save you electrical and energy costs but also shuts off the unnecessary noise of the fan motor running.
3. TEMP. or TIME set
Used to set TIME or TEMP. setting.
4. FAN SPEED
Used to select desired fan speed.
5. TIMER button
Used for TIMER start or stop .
6. SLEEP
Used to set SLEEP function.
7. FUNCTION
Used to select operation mode: A/C, DEHUMID, FAN.
8. AIR SWEEP
Used to activate the vertical louver. This will give you an even airflow throughout the room.

Remote controller's operation

- When in use, put the signal transmission head directly to the receiver hole on the indoor unit.
- Don't throw the controller, prevent it from being damaged.
- When electronic-started type fluorescent lamp or change-over type fluorescent lamp or wireless telephone is installed in the room, the receiver is apt to be disturbed in receiving the signals so the distance to the indoor unit should be shorter.

A/C operation

1. Start

Press ON/OFF button

2. Select operation mode

If you want to cool the room press the A/C button.

3. Select temp. setting

Select desired temp., by using "+" or "-" button.

"+" Each press will increase temp.setting by 1°C.

"-" Each press will decrease temp.setting by 1°C.

4. Fan speed selection

If you choose the A/C mode you can run the fan in one of the 4 speeds: HI or MED or LO or in the AUTO speed

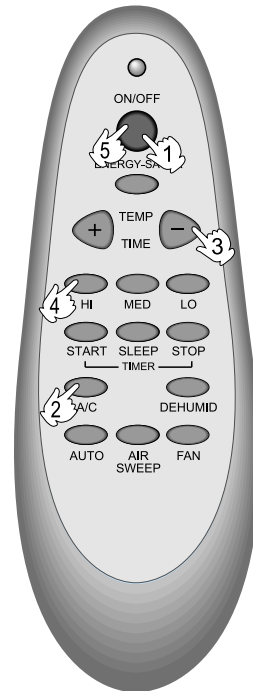
Select desired setting.

Change air flow direction if necessary.

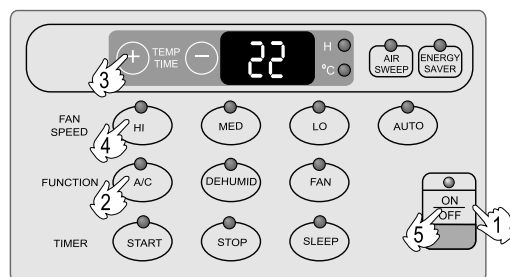
5. Stop

Press ON/OFF button again.

Remote controller



Control panel



Cautions:

To protect unit system, don't restart until 3 minutes have elapsed.

If the unit has been running under large humidity for a long time, dew might occur at outlet grille.

DEHUMID mode

1. Start

Press ON/OFF button

2. Select operation mode

If you need to only remove the moisture press the Dehumid button.

Change air flow direction if necessary.

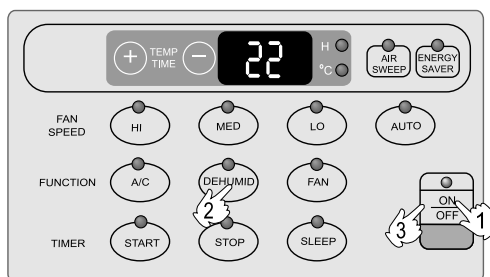
3. Stop

Press "ON/OFF" button again.

Remote controller



Control panel



Cautions:

Unit may run intermittently in Dehumid mode with fan speed at "LO", regardless of its setting.

Air blown out will be very cold at relatively low room temp..

FAN operation

1. Start

Press ON/OFF button

2. Select operation mode

In some days you may want to run the "Fan" function.

Press the FAN button.

3. Fan speed selection

Here the fan runs only at MED or LO speed.

Change air flow if necessary.

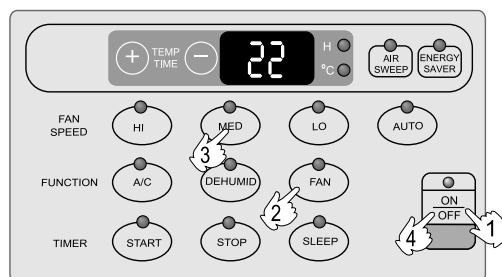
4. Stop

Press ON/OFF button again.

Remote controller



Control panel



Hints

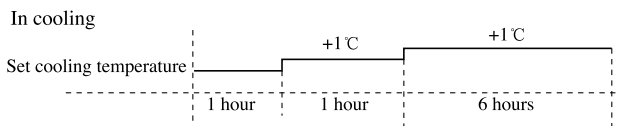
Compressor won't start in FAN mode, only fan motor will run at selected speed.

SLEEP mode setting

1. Start unit and confirm its operation mode.
In dehumid and fan mode, there is no sleep function.

2. Select SLEEP function
Press the SLEEP button one time, sleep can be done, Press the button for a second time, the setting is cancelled.
Sleep lets you preset the unit to shut off in 8 hours.

The setting of time is as below:

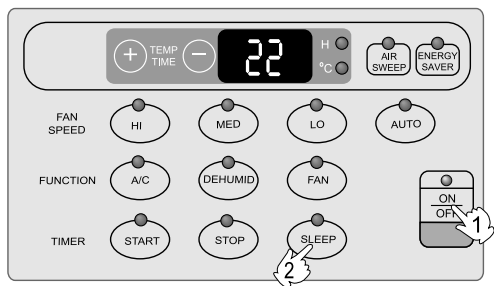


Remote controller



In sleep running, the air velocity can be adjusted.
After the sleep finishes, the air conditioner will resume its former mode automatically.

Control panel



Hint

In Sleep function, temp. setting will rise automatically by 1°C after one hour's cooling operation. One hour later, it will rise by another 1°C and maintain at this temp. until the unit runs for approx. 6 hours.

Timer operation

With this function, unit will start or stop at the time you want.

1. Start unit and select desired operation mode.

2. Select Timer function

Timer start or Timer stop mode is used to preset or shut off your unit in advance .

You can program this up to 12hours in advance.You can use the Timer in 3 functions i.e A/C ,Dehumid, or Fan only. Select desired mode. (TIMER start or TIMER stop)

- **Timer Start**

Unit must be on to set the timer.Unit will shut down automatically after it accepts the settings in 5 seconds.Use this mode to preset the start time of the unit 12 hours in advance.

a) Press Start, LED display will show "01". (Electrify for the first time)

b) Set desired number by pressing the (+)pad of the Temp/Time buttons.One for each hour .If you passed the desired time use the (-) pad key to lower the selection.

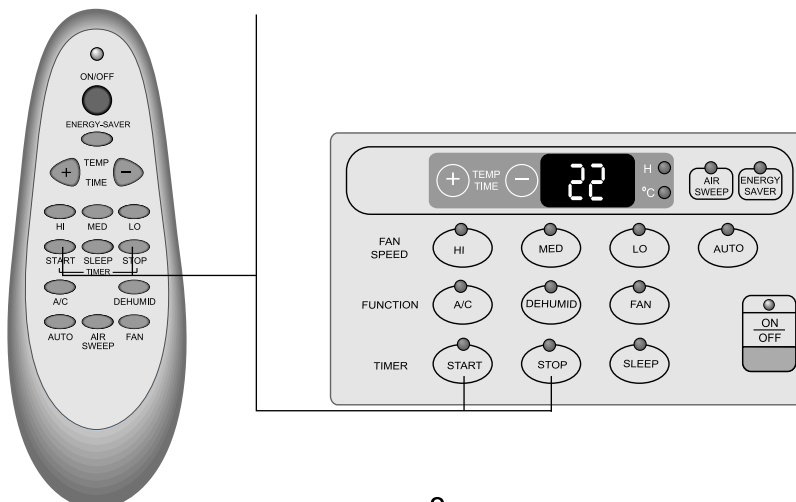
- **Timer Stop**

Unit must be running to set the timer off.Use this to preset the time you would like the unit to shut off.

a) Press Stop ,LED display will show "01". (Electrify for the first time)

b) Set desired number by pressing the (+) pad of the Temp/Time buttons.One for each hour.If you passed the desired time,use the (-) pad key to lower the selection.

When using the timer the unit will use/revert to the last A/C , fan settings when activated.The timer must be reset every time you choose to use it.



Operation

Adjusting of the air direction

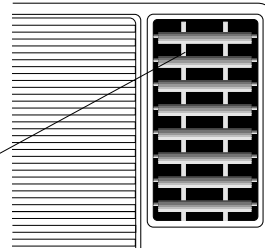
Left/Right adjusting

Push the AIR SWING button, the vertical guide blade automatically adjusts the left/right air direction.

Stop adjusting

Push again, the plate will stop at its present position.

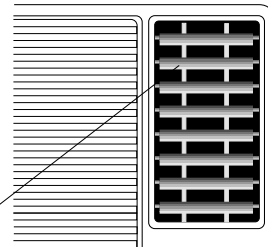
Vertical guide blade



Upward/Downward adjusting

Turn the horizontal guide blade gently to adjust the upward/downward air direction.

Horizontal guide blade



Function introduction

• 3 minutes delay function

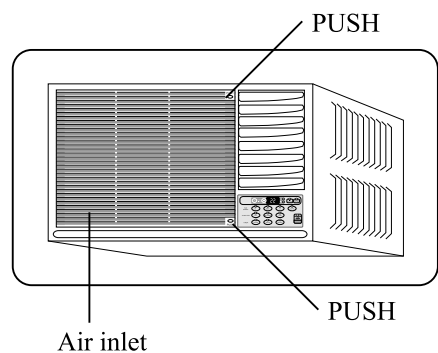
After the conditioner is switched off, the protection device will make the compressor perform 3 minutes delay before switching on the machine.

NOTE: Always unplug the air conditioner before servicing or moving it.

When dirt accumulates on air filter, air circulation will be blocked, which causes poor cooling. It is advisable to clean air filter every two weeks for longer operation.

Removal of air filter

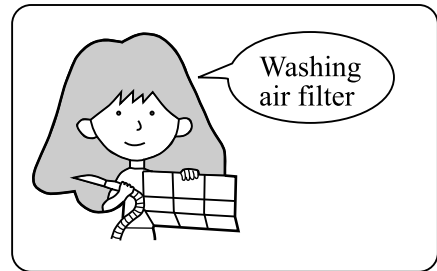
1. Loosen the air inlet by pushing "PUSH" at both edges as shown.
2. Open the air inlet.
3. Remove the air filter.



Maintenance

Air filter cleaning

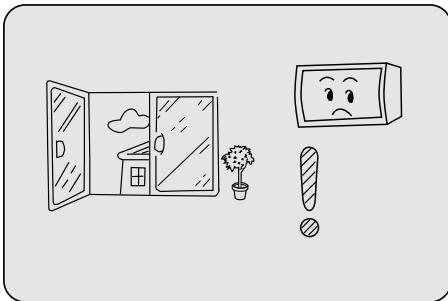
1. Gently flap the dirt off the air filter.
2. Carefully wash air filter in warm water (below 40°C). To obtain better cleaning effect, soap water or neutral detergent may be used.
3. Flush air filter carefully with clean water after removing dirt. Let it dry completely.



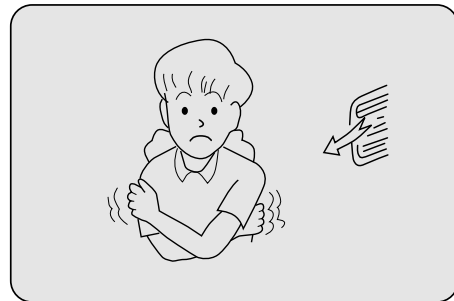
Installation of filter

1. Replacing the air filter.
2. Push the air inlet marked with "PUSH" until you hear a click.

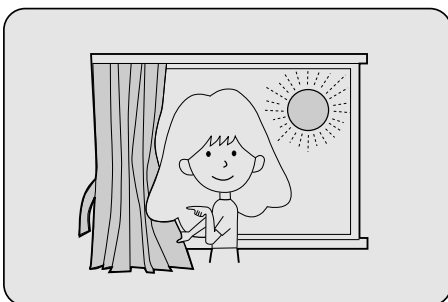
- Avoid opening doors and windows unless necessary.



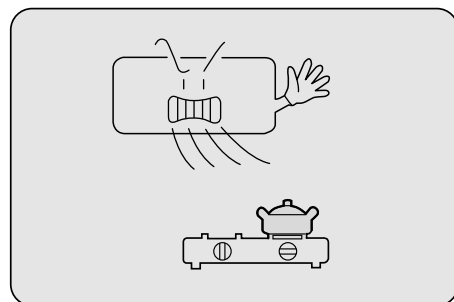
- Don't be exposed to cold air for a long time.



- Use curtain or blind
Direct sunlight may reduce cooling effect, always use window curtain.

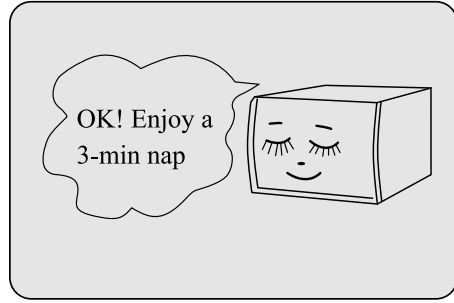
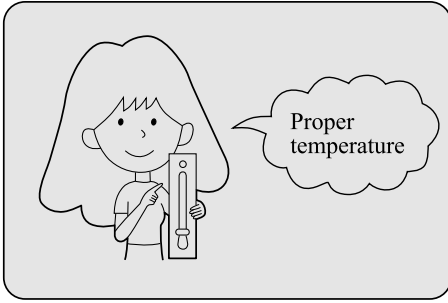


- Keep heat source away from air conditioner.

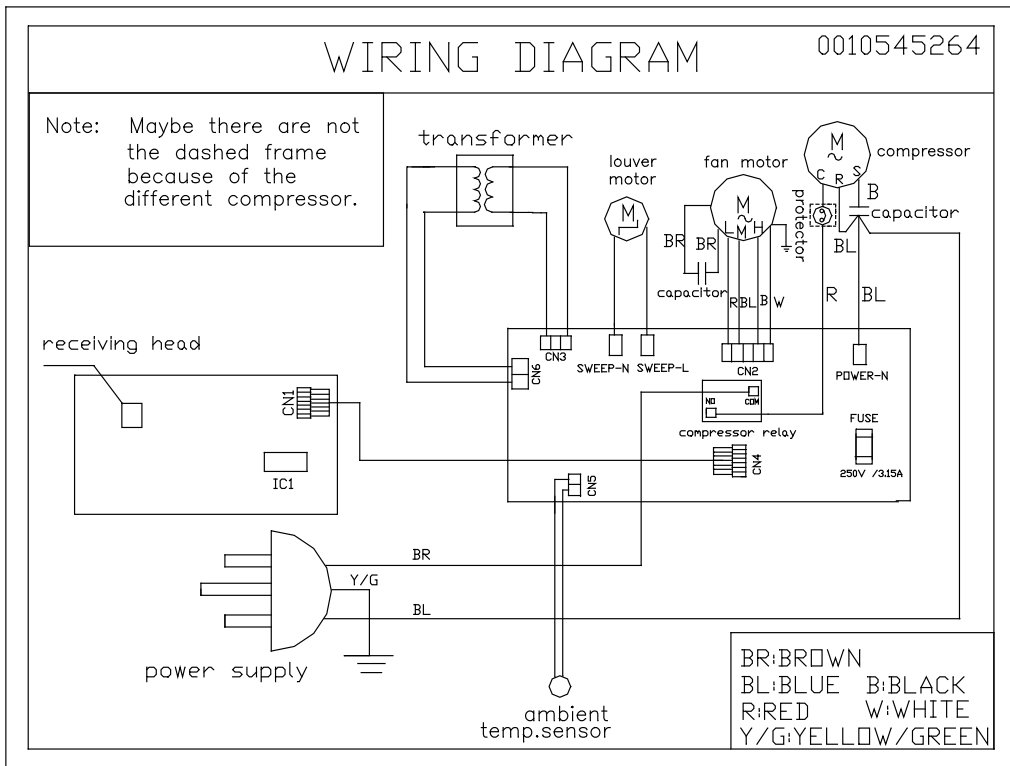


Maintenance

- Set temp . a little bit higher before going to bed.
- After unit stops, don't restart it until 3 min. have elapsed.



HW-09CN03 WIRING DIAGRAM



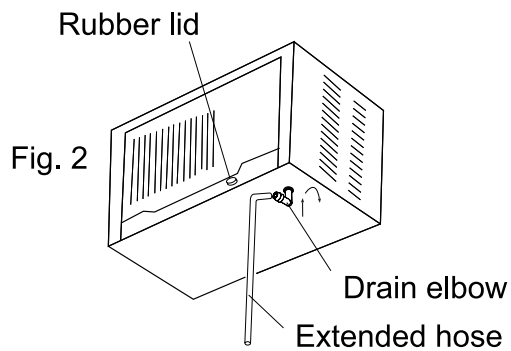
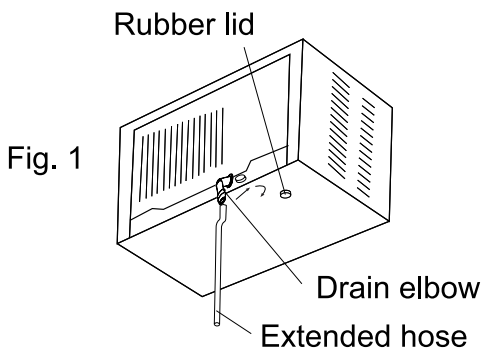
Capacity(W)	Power(w)	Current(A)	Circulation Airflow(m/h)	Dehumidification Capacity(10.M/h)	Dimensions(mm) L*W*H	Net weight	12 Month Guarantee
2450	950	4.6	430	1.0	550*520*340	36kg	Yes

Maintenance

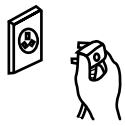



Disposal of the condensed water

Generally there are two methods available on disposal of the condensed water:

1. Block the bottom plate hole of the conditioner with rubber lid, install drain elbow on the back hole and let the condensing water flow from the back hole of the conditioner. (see Fig.1)
 In this method, the accumulated condensed water in the bottom plate is hit by the fan onto the heat exchanger, and evaporated and blown out from the machine. It can cool the heat exchanger radiator more quickly, and improve the energy efficiency of the conditioner. But the hitting noise by the fan at the outdoor side is relatively large.
2. Block the back hole of the conditioner with rubber lid and install drain elbow to the bottom hole, which can make the condensed water flow out from the bottom plate. (see Fig.2)
 This method can reduce the hitting noise by the fan at the outdoor side.
 If necessary the above two methods can both have extra pipe added on the drain elbow (available on the market).

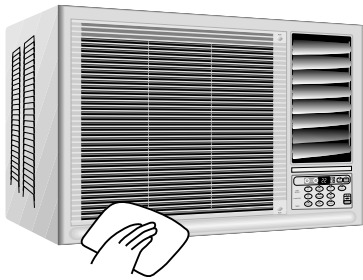


NOTE: When install drain elbow , adjust the direction of the drain elbow to make it be in line with the hole in the rear of unit ; Insert the drain tube into hole and twist 90° .

<p>Before cleaning please pull off the power plug.</p> 	<p>Do not clean the machine with following material in order to decrease pollution: petrol, detergent.</p> 
<p>Do not pour water on the machine to prevent electric shock or mechanical trouble.</p> 	<p>Hot water above 40°C may cause discoloration of the shell or deformation.</p> 

Maintenance

Cleaning of the shell and remote controller



*Wipe the shell with soft cloth. If it is very dirty, please use water with diluted neutral detergent. In wiping, first twist out the water in the cloth.

*Wipe out the detergent on the machine shell completely.

Trouble shooting

Before sending to repair, please first check the following:

Phenomenon	Reason
Switch on the machine but it does not work immediately.	If the machine is started after stop, it will need about 3 minutes to re-start so as to prevent the fuse from break.
Switch on the machine but it does not work.	<ol style="list-style-type: none">1. Is the power on?2. Is the fuse broken?3. Is plug firmly inserted?
The cooling effect is not good.	<ol style="list-style-type: none">1. Is the air inlet or outlet entrance blocked?2. Is there direct sunlight in cooling?3. Are the doors and windows closed?4. In cooling are there too many heating sources?5. Is the filter too dirty (generally it should be washed every two weeks)?

Installation instruction

Selection of the installation position

1. The air-conditioner is better installed in shadow or in a place with short period of sunshine. In case the air-conditioner is installed at the point exposed directly to the sunshine, it should be protected from the direct sunlight as possible in order to avoid the long time of direct sunlight otherwise its performance will be lowered. (As illustrated in Fig. 1).
2. For the convenience of operation, it is recommended that air-conditioner be installed at least at the height of 760-1300 mm above the floor and no obstacles before it for a free airflow.
3. The shutters at both sides and the top of air-conditioner should be protruded outdoors free from being blocked by wall, window, etc.
4. The back of air-conditioner should be kept over 500mm from the obstacles (for example, wall, etc.) (As illustrated in Fig. 2).
5. To have an efficient drainage, the back part of the air-conditioner should be inclined downward by 5-10mm (As illustrated in Fig. 3).

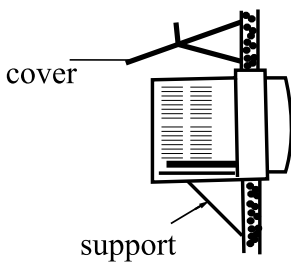


fig.1

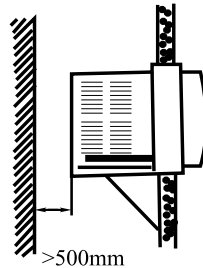


fig.2

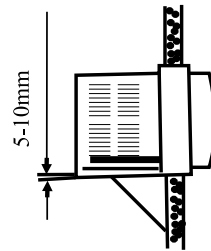


fig.3

The enclosed accessories of the conditioner are:

Name	Manual	Drain elbow (with seal ring)	Rubber lid	Remote controller	Battery
Figure					
Quantity	1	1	1	1	2

Installation instruction

1, Make the wall hole or window hole (see Fig.1).

MODEL	A	B
HW-09CN03	350mm	530mm

2. Fix the prefabricated iron frame to stable position by expansible screws.

3. Take out the conditioner and accessories from the package .

4. Lift the back of the machine body slightly. You can see the drain hole at the back of the bottom plate. Plug the black rubber lid of the enclosed accessories into the hole, (see Fig. 2).

5. Plug the drain elbow of the enclosed accessories (with seal ring) into the drain hole on the vertical wall at the back of the bottom plate (see Fig. 3)

6. If you need to lead the condensed water to indicated position, please purchase a piece of plastic pipe with inner diameter of $\phi 16$, set it on the drain elbow and tie it tightly.

7. After installation of all the accessories, put the whole machine on the iron frame. If there's extra pipe, lead the pipe to needed position (see Fig.4).

8. Fill any distance between the wall hole and the machine body with flexible sponge rubber strip to prevent the entering of outer noise and the leaking of the coolness.

9. After installation of the conditioner, insert the power plug into the outlet and perform test-run.

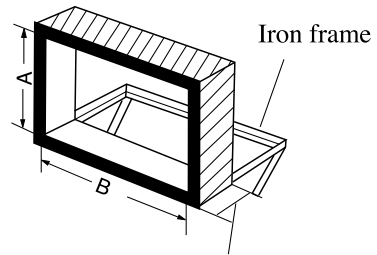


Fig.1 Width of the wall

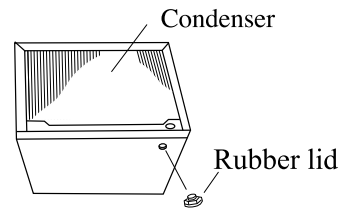


Fig.2

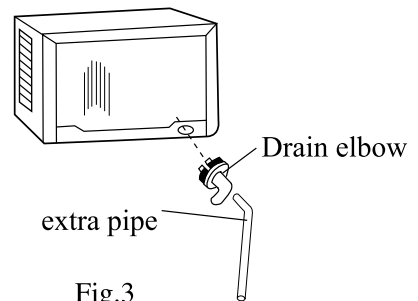


Fig.3

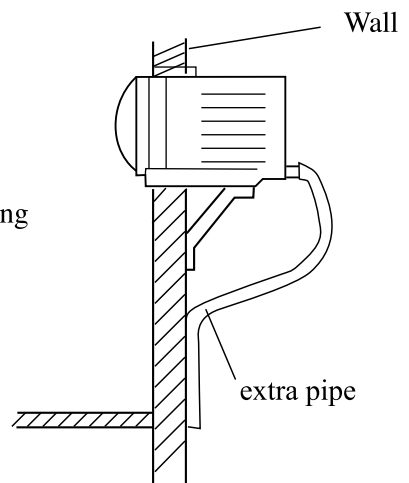


Fig. 4