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# Haier ACD105E Owner's Manual

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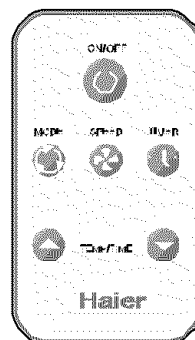
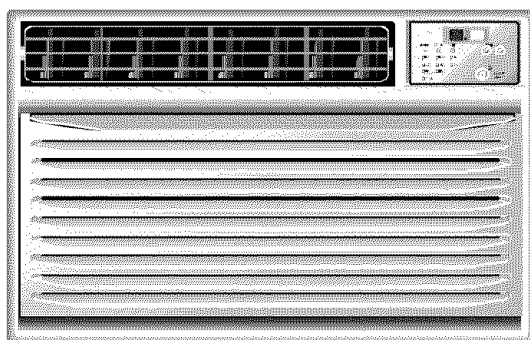
# Haier

What The World Comes Home To<sup>®</sup>

Room Air Conditioner  
**Electronic Control**

Climatisation de Pièce  
**à Commande Electronique**

Acondicionador De Aire  
**Control Electrónico**



**HWR10XC5,HWR12XC5,HWR14XC5**

**ESA3105,ESA3125**

***User Manual***  
***Manuel d'utilisation***  
***Manual del Usuario***



**(ESA3105/ESA3125 Only)**

*Read instructions before installing.  
Call 1-877-337-3639 for questions on parts and services*

*Lire les instructions avant de procéder à l'installation.  
Pour toutes questions concernant les pièces et l'entretien, composez le 1-877-337-3639.*

*Lea las Instrucciones antes de instalar el aparato  
Llámenos al 1-877-337-3639 si tiene preguntas sobre repuestos o servicios*

0010551962

## A Word From Haier

Thank You for buying a dependable, energy saving and easy to operate HAIER room air conditioner. This manual contains useful information for you to maintain, operate, install and safely use your room air conditioner. Your air conditioner cleans, cools and dehumidifies the air in your room to provide you with the ultimate level of comfort.

Please read instructions carefully before using the product. Also, do not forget to fill out and mail the **Product Registration Card**.

## Product Registration

### Record Your Model and Serial Number.

For all your service calls during the warranty period the following information will be needed. Attach the sales receipt to this guide and keep for future reference. This information can be obtained from the serial plate, which is on your air conditioner. This is either on the cabinet (side or back) or you may have to remove the front grille to locate it.

Model Number: .....






Serial Number: .....

Date of Purchase: .....

Dealer's Name: .....

Dealer's Address: .....

Dealer's Phone Number: .....

TABLE					
RECEPTACLE AND FUSE TYPES					
RATED VOLTS	125/60		250/60		
AMPS	15	20	15	20	30
WALL OUTLET					
FUSE SIZE	15	20*	15	20*	30
TIME DELAY FUSE (or circuit breaker)	Plug	Plug	Plug		

## SAFETY PRECAUTIONS

**WARNING:** *Following these basic precautions will reduce the risk of fire, electrical shock, injury or death when using your air conditioner.*



- ⚠ 1) Air conditioner must be connected to proper electrical outlet with the correct electrical supply. (see table)
- ⚠ 2) Proper grounding must be ensured to reduce the risk of shock and fire. **DO NOT CUT OR REMOVE THE GROUNDING PRONG.** If you do not have a three-prong electric receptacle outlet in the wall, have a certified electrician install the proper receptacle. The wall receptacle **MUST** be properly grounded.
- ⚠ 3) Do not use if power cord is frayed or otherwise damaged. Also avoid using it if there are cracks or abrasion damage along the length, plug or connector.
- ⚠ 4) **DO NOT USE AN ADAPTER OR AN EXTENSION CORD.**
  - 5) When installing your air conditioner in a window, make sure the window is strong enough to hold the weight of the air conditioner. You also want to secure and correctly install your air conditioner properly to prevent it from falling. Extra brackets and or support may be required depending on your window.
  - 6) Do not block airflow inside or outside the air conditioner with blinds, drapes, protective covers, shrubs or bushes.
  - 7) Be careful of sharp edges on the front and rear fins of the unit that could cut and cause serious injury.
  - 8) Be careful when lifting the air conditioner to install or remove the unit. Always use two or more people for this.
  - 9) Always unplug the air conditioner before servicing it or moving it.

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## WARNINGS



Following the safety messages is very important.  
These messages can save you from being injured or killed.  
**Warning** symbols alert you to be careful and means **Danger**. Always follow instructions to be safe and reduce chances of injury or death.  
**Warning** and **Danger** signs will precede safety messages.

## Electrical Safety



**Grounding:** This room air conditioner must be grounded.  
Grounding reduces the risk of electric shock by providing an escape wire for the electric current. The power cord has a grounding wire with a grounding plug. Plug it into an outlet that is properly installed and grounded.

**WARNING:** Improper use of the grounding plug can result in a risk of electric shock. Call a qualified electrician if you don't understand the grounding instructions or if you are not sure if the air conditioner is properly grounded. If the wall outlet is not grounded, please contact an electrician to have it replaced with a properly grounded outlet.

**Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.**

**Adapter Plug:** We strongly advise against using an adapter plug.

**Important:** Test power plug before each use:

1. Press "reset" button.
2. Press "test" button, unit should trip.
3. Press "reset" button again for use.

Do not use if above test fail.  
In the event this device trips, the cause of the malfunction is to be corrected before further use of the device.

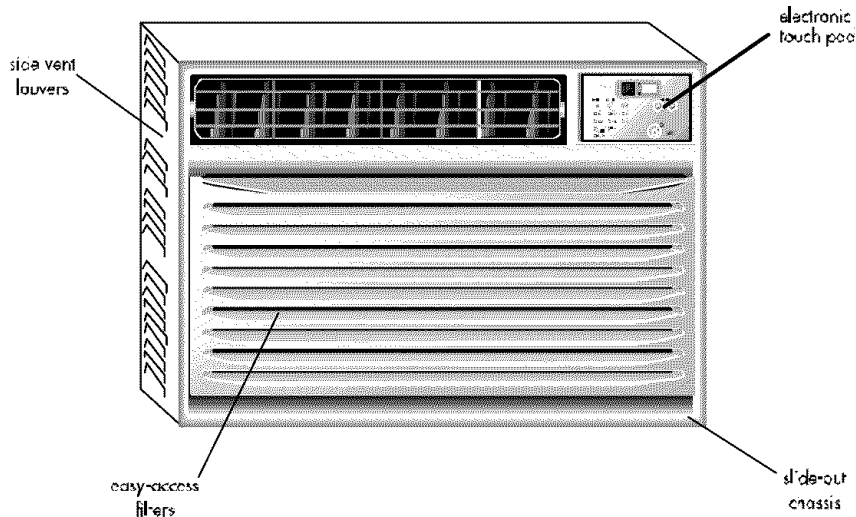
## Tips

- Air Conditioners are designed for use in a double hung window or through the wall installation only. (As applicable in your model)
- While installing unit be sure to tilt air conditioner 5 degree outward to have the water drip outside the house.
- ▲ **Install the unit on the north side as normally that is the shaded side. This will enhance the operation of your unit.**
- Window has to be strong for installation. Extra brackets and or support may be required depending on your window.
- Measure the window before installing, if the window is too big for the unit you may require professional installation.
- ▲ **Use correct electric voltage and proper ampere for the unit to run effectively.**
- ▲ **Only let a certified electrician do any modifications to your electrical outlet.**

## Energy Saving Guide

- When installing your air conditioner make sure to seal all areas where there is a possibility of air leakage.
- Airflow should not be blocked inside either by curtains, drapes or furniture or outside by shrubs or bushes.
- Do not needlessly use an electrical light or other appliances that produce heat.
- Keep the blinds and the drapes drawn on all the other windows.
- While cooking use an exhaust fan in the kitchen to remove the excess heat produced.
- Always use the correct BTU size air conditioner to cool the room to attain optimum efficiency.

## Features



### 1. Thermostat

This allows you to adjust the temperature of the air. The lower the setting the cooler the air temperature. With this you can set the temperature to your desired comfort level. You can set the temperature between 61° F and 86° F.

### 2. Fan Speed

With this you can control the fan speed as well as the A/C (cooling) speed. You have 3 levels of A/C Speed for you to set at your desired level. LOW will circulate air at the lowest velocity, MED at medium velocity and HIGH will circulate at the maximum.

You have 3 levels of Fan Speed to set at your desired comfort level. HIGH, MED and LOW.

### 3. Function.

Your air conditioner has 3 Functions.

a) A/C.

Here the air conditioner will operate the compressor and the desired fan speed set to give you chilled cold air for your comfort.

b) Dehumid.

This enables your air conditioner to operate as a dehumidifier as well. It will remove the excess moisture from the air to keep your room at a

comfortable dry stage. You can use this feature alone in case you do not desire to use the air conditioner.

c) Fan Only

You can run the fan only on hot days. The fan can be set to run at 3 speeds (HIGH fan, MED fan, LOW fan) as desired by you.

### 4. Energy Saver

When turned "ON" the fan will shut off 3 minutes after the compressor cycle off. This will not only save you electrical and energy costs but also shuts off the unnecessary noise of the fan motor running. In the "OFF" position the fan will not shut off when the compressor cycles off. The fan will keep running at the set level.

### 5. Timer

Your air conditioner can be set to go on or off at your desire. This can be done up to 24 hours in advance.

### 6. 4 Way Air Flow

These air directional louvers let you control the direction of the airflow in your required direction. The airflow can be directed up - down - right side - left side.

**7. Vent**

The Fresh Air Vent allows the air conditioner to recirculate inside air, draw fresh air into the room and exhaust stale air to the outside.

**8. Slide Out Chassis**

Your Air Conditioner becomes more versatile with this feature. You have the option to install the unit in a window or the wall.

**9. Window Install Kit**

Enables you to install the air conditioner in a double hung window. Extra brackets or support may be needed depending on your window.

**10. Remote Control**

This full functional wireless remote allows you to operate your air conditioner from a distance. You need not have to get up to change the settings, the functions or to turn the unit on or off.

**11. LED Display Electronic Control Panel**

The 4 function LED displays Room Temperature, Temperature Setting, Timer Setting and Time Remaining to Stop / Start the unit. Electronic Control Panel lets you set the temperature to the Exact Temperature you desire.

**12. Electrostatic Filter (not all models)**

Being constructed of high efficiency purifying substance, active carbon fabric, electrostatic fabric, electrostatic active carbon net and other materials it purifies the air effectively. Its wavy structure increases the capability to filter dust and smoke effectively. Due to the retention of the active carbon it has a high purifying speed capable of strong airflow.

## Operating Guide

### Normal Operating Sounds

The following sounds are normally heard during the operation of an air conditioner.

- Cool airflow movement as dictated by the set fan speed.
- Water sounds. This is normal as your air conditioner acts as a dehumidifier also. Thus you will hear water sounds from water drops falling on the condenser.
- As the refrigerant flows through the inner sealed tubing a rushing noise may be heard.
- Rattling or vibrating noises may be heard due to poor wall or window installation.
- High pitch compressor sound may be heard.

### Operating Instructions

Following are the operating instructions of your electronic air conditioner.

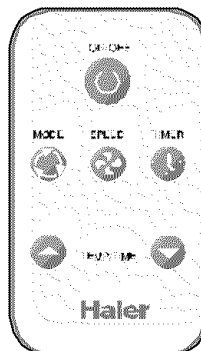
#### Remote control and control panel operations

After installing your air conditioner plug it in to the proper electrical outlet in the wall. Keep the vent in the closed position. Now set the air conditioner at your comfort level. This full functional wireless remote allows you to operate your air conditioner without having to get up and go to the unit. The full function feature allows you to change the settings and turn the unit on or off from the remote itself. This control pad works the same as the control pad on the air conditioner.

(See Fig. # 1)

Fig. # 1

#### Remote Control

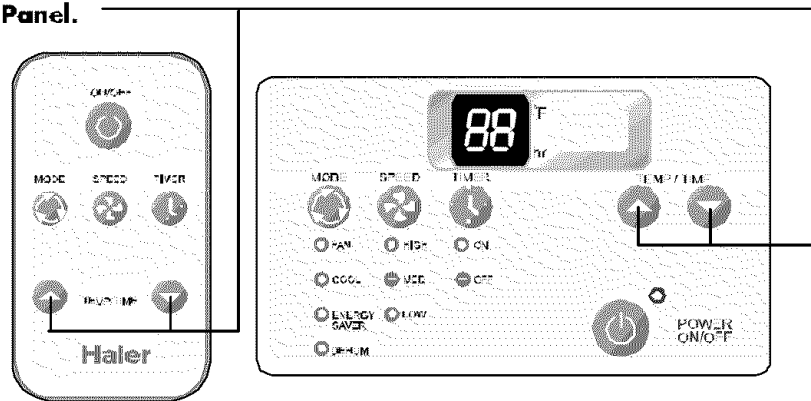


After you plug in the unit it will perform a self test. All the display lights will turn on for 3 seconds. The LED display will read "88". If any display light fails to turn on you may need service on the unit. After the 3 seconds self test the unit will automatically go to the stand by mode. Now all lights will be off and you will have to turn "ON" by pressing the On/Off key. After pressing "On/Off", the unit starts to work and enters the status of "Fan" with low setting.

You will have to press the (▲) or (▼) key on the Temp/Time to set the temperature at your desired comfort. You can choose between 61°F and 86°F. Once the temperature is set you can raise or lower it by pressing the (▲) or (▼) keys. (Only when the unit is cooling, energy saver or dehumidifying, can the temperature setting be adjusted.) (See Fig. # 2) Having set the temperature you will set the function of the air conditioner.

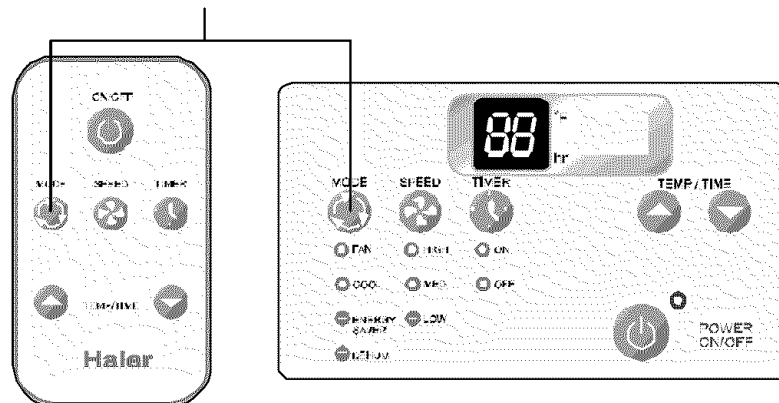
Fig. # 2

**Control Panel.**



Every time you press the MODE button, it will change between FAN, COOL, ENERGY SAVER and DE-HUM. (See Fig. # 3)

Fig. # 3  
Control Panel.



Once the function mode is decided you will have to set the fan speed. (See Fig. #4)  
Every time you press the SPEED button, fan speed will change between LOW, HIGH, MED.

1) If you choose the COOL mode you can run the fan in one of the 3 speeds (HIGH, MED, LOW).

2) For cool days you may want to run the 'FAN' function. The fan can be set to run at 3 speeds (HIGH fan, MED fan, LOW fan) as desired by you.

3) If you choose to use the Dehumid function, this will remove excess moisture from the air on excessively humid days.

$T_r$ : temperature inside the room.

$T_s$ : the set temperature.

1) When  $T_r > T_s + 3\text{ }^\circ\text{F}$ , the compressor will run continuously the fan at the selected speed.

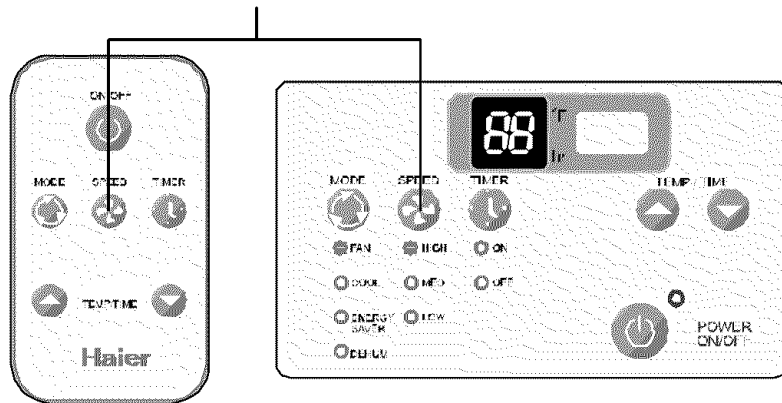
2) When  $T_s - 1\text{ }^\circ\text{F} < T_r < T_s + 3\text{ }^\circ\text{F}$  the compressor will cycle for 10 minutes on and 6 minutes off.

3) When  $T_r < T_s - 1\text{ }^\circ\text{F}$  the compressor will shut off.

The dehumidification process takes place between the set temperature  $T_s$  and  $3\text{ }^\circ\text{F}$  above the set temperature.

4) Energy Saver: The unit runs the same as COOL setting in the ENERGY SAVER mode. But the fan will be off 3 minutes after the compressor cycle off.

Fig. # 4  
Control Panel.



Timer on or Timer off mode is used to pre-start or shut off your unit in advance. You can program this up to 24 hours in advance. You can use the Timer in 4 functions i.e. COOL, Energy saver, Dehumid or Fan.

• **Timer on** (See Fig. # 5)

Unit must be on to set the timer. Unit will shut down automatically if it accepts the settings in 5 seconds. Use this mode to pre-set the start time of the unit 24 hours in advance.

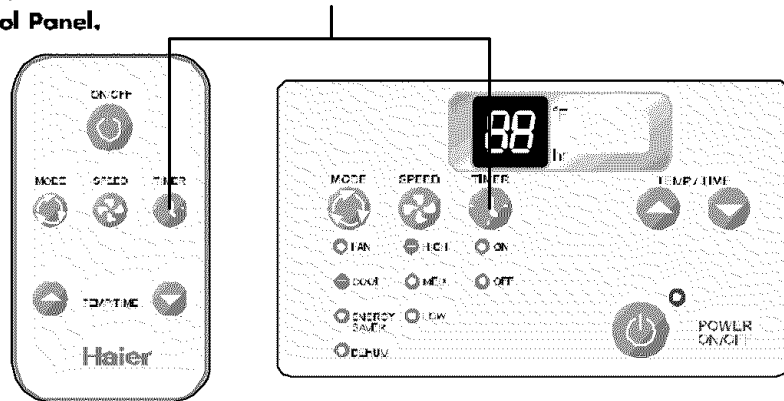
- Press TIMER ON, LED display will show 'XX' (time set last time when power is connected first time, LED display will show '00').
- Set desired number of hours by pressing the (▲) pad of the Temp/Time buttons, one for each hour. If you passed the desired time use the (▼) pad key to lower the selection.
- After set TIMER ON, LED display will show the time. This time displayed: unit will start after X hours.

• **Timer off** (See Fig. # 5)

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

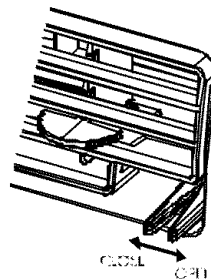
- Press TIMER OFF, LED display will show 'XX' (time set last time) when power is connected first time, LED display will show '00'.
- Set desired number by pressing the (▲) pad of the Temp/Time buttons. One for each hour. If you passed the desired time, use the (▼) pad key to lower the selection.
- After set TIMER OFF, LED display will show the room temperature about 5 seconds later. When using the timer the unit will use/revert to the last COOL and fan settings when activated. The timer must be reset every time you choose to use it.

Fig. # 5  
**Control Panel.**



**Vent Control Operations**

For maximum cooling efficiency,  
CLOSE the vent. This will allow  
internal air circulation.  
OPEN the vent to discharge stale air.



**Adjusting the Air Flow Direction**

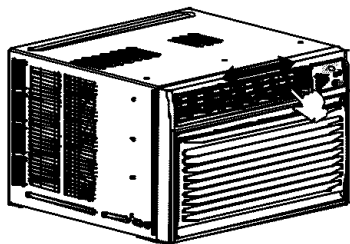
Airflow can be adjusted by changing the direction of the air conditioner's louvers.  
This can also increase the cooling efficiency of the air conditioner.

**Adjusting Horizontal Air Flow Direction**

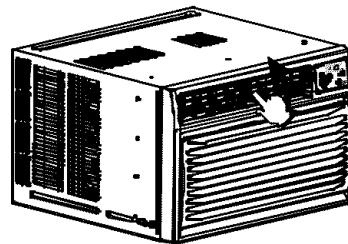
Adjusting the vertical louvers left and right will change horizontal airflow.

**Adjusting Vertical Air Flow Direction**

Adjusting the horizontal vane up and down will change vertical airflow. The vane can be adjusted by nudging the back or up and down of the vane.



**Adjusting Horizontal Air Flow**



**Adjusting Vertical Air Flow**

Recommended orientation of louvers  
Adjust louvers to face upwards when cooling to maximize cooling efficiency.

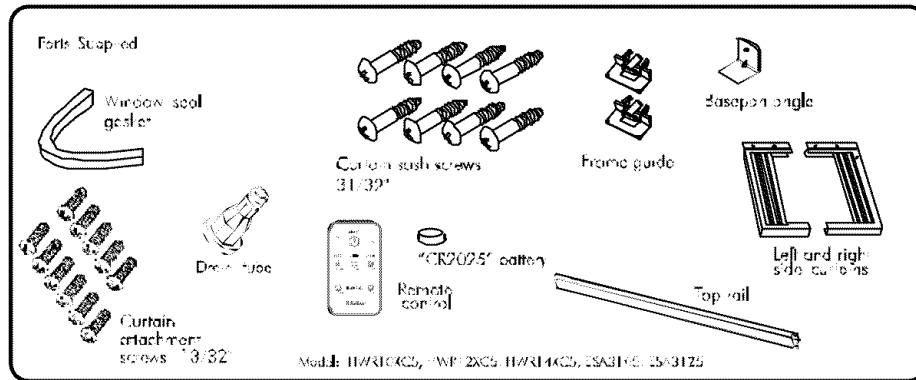
## Installations

Before you install your air conditioner check the following:

- 1) The unit is free of **all** obstructions inside and outside the room e.g. drapes, curtains, furniture, plants, shrubs, bushes, trees, other structures like building, garage etc. Air conditioner must have clear unobstructed airflow through the condenser to remove the heat.
- 2) The window is strong enough to hold the weight of the air conditioner. Extra brackets or supports may be needed depending on your windows.
- 3) The window sill and track are strong enough to hold the weight of the air conditioner.
- 4) The wall is strong enough to hold the unit. Extra brackets or supports may be needed depending on the wall.
- ⚠ 5) There is adequate and proper power supply near the air conditioner.
- ⚠ 6) DO NOT use adapter plugs.
- ⚠ 7) DO NOT use extension cords.
- ⚠ 8) DO NOT cut or remove the ground prong.
- ⚠ 9) DO NOT modify the plug or the electrical wall outlet in any way. If plug does not fit the electrical outlet have a certified electrician do the necessary change.
- ⚠ 10) DO NOT connect electrical power to the unit before installation.
- ⚠ 11) DO NOT use if power cord is worn out, frayed or otherwise damaged. Avoid using if there are cracks or abrasion damage along the length, plug or connection.
- ⚠ 12) Be careful of exposed sharp edges of the cabinet and sharp coils (fins) on the back of the unit that could cut and cause serious injury.

## English

### Parts



### Tools

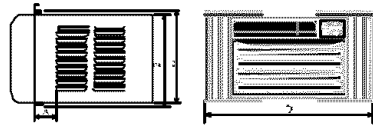
You will need to have the following tools to help you in the installation of your air conditioner.

- Scissors
- Phillips Screwdriver
- Standard Screwdriver
- Pliers
- Wrench
- Drill and Drill Bits
- Tape Measure
- Gloves
- Level
- Sockets

## Installing Unit into A Window

### Window Opening Requirements

The air conditioner is designed to fit into double or single hung sash type windows. Each of the units comes with an installation kit that provides adjustable mounting louvers, to fill the gaps between the sides of the unit and the window frame. The chart below reflects the dimensions of the units with, and without installation kits. Measure your window opening width and compare it to the chart below to ensure that it meets the minimum and maximum window width requirements.



HWR10XC5, HWR12XC5, HWR14XC5, ESA3105, ESA3125

Model	HWR10XC5, HWR12XC5, HWR14XC5, ESA3105, ESA3125
Dimension	
A( inch)	$32\frac{1}{2}$
B( inch)	$18\frac{1}{16}$
C( inch)	$15\frac{1}{16}$
D( inch) Max	$40\frac{1}{8}$
D( inch) Min	$26\frac{3}{4}$
Case Htgh	$13\frac{1}{32}$
Case Width	$24\frac{5}{8}$
Case Depth	$20\frac{1}{32}$

### Models HWR10XC5, HWR12XC5, HWR14XC5, ESA3105, ESA3125

#### 1 PREPARE UNIT FOR INSTALLATION-1

Unpack unit and place it on installation location.

1. Open the side grille by pulling the exposed door on the top of the unit and remove the screw which fix the front panel (Fig. A)

2. Remove the front panel and rotate it to B position. Separate operation panel from the front panel by pushing the tabs (Fig. B)

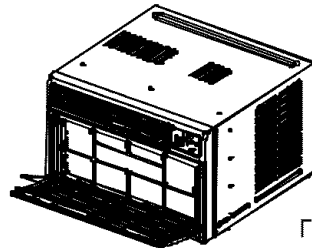


Fig. A

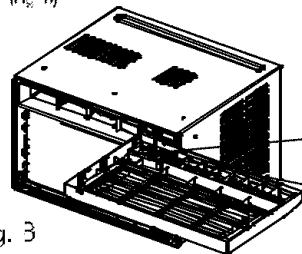
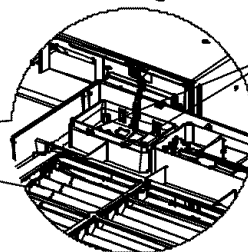


Fig. B



tabs