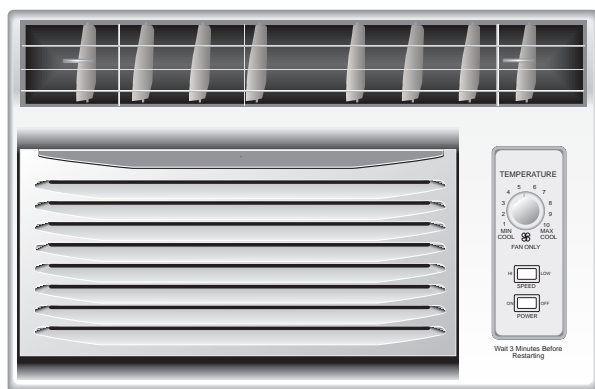


Room Air Conditioner

User Manual



HW-05C03/R1

A Word From Haier

Thank You for buying a dependable, energy saving and easy to operate 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.





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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.
-  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.

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.

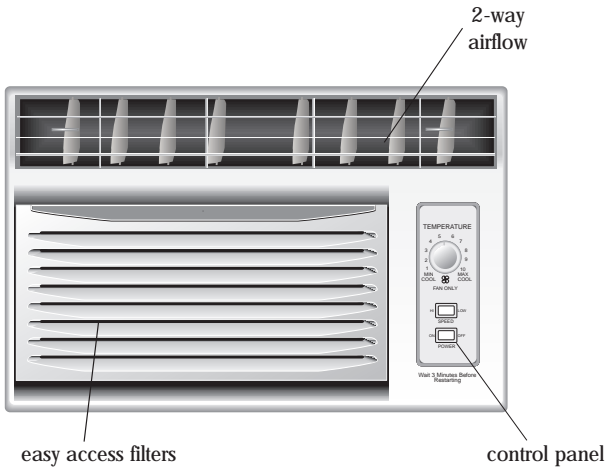
Tips

- This Air Conditioner is designed for use in a double hung window .
- 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. (Brackets and Supports not included in all models)
- 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.
- Use a dedicated line for the operation of your air conditioner to avoid the possibility of an electrical surge.

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 size air conditioner to cool the room to attain optimum efficiency.

Features



MODEL: HW-05C03/R1

1. Temperature Set Knob

This knob adjusts the temperature of the air. The Higher the setting the cooler the air temperature. With this knob you can set the temperature to your desired comfort level. Min. Cool being the warmest and Max. Cool being the coldest.

2. MODE Set Switch

With this knob you can control the fan speed as well as the cooling speed.

You have 2 Fan speeds to choose from HI and LO.

3. 2-Way Air Flow

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

4. 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.

5. How The Unit Drains

On humid days with the air conditioner in use, moisture may collect on the pan or bottom of the air conditioner. If the unit is positioned properly the moisture will gather towards the back of the unit. This will not effect the operation of the unit and the moisture will evaporate in time. Occasional the moisture will flow over the back of the pan but this will not effect the operation of the unit. Never drill holes in the pan under any condition.

Operating Guide

Normal Operating Sounds

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

- Thermostat clicks. As the thermostat cycles on/off you will hear this sound.
- Cool airflow movement as dictated by the set fan speed.
- Water sounds. This is normal since 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

(See fig. # 1)

Fig. # 1



After installing your air conditioner, plug it into the proper electrical outlet in the wall.

POWER Turns air conditioner off.

SPEED "LOW" Low speed fan operation with cooling or not.

SPEED "HI" High speed fan operation with cooling or not.

This automatically controls the temperature of indoor air. Turn the knob so that arrow points to the cooler marks for more moderate cooling.

Normal Fan

1. Turn the SPEED mode switch to the "HI" or the "LOW" setting.
2. Set the thermostat control to the temperature mark "FAN ONLY".

Normal cooling

1. Turn the SPEED mode switch to the "HI" or the "LOW" setting.
2. Set the thermostat control to the desire temperature (the mid-point is a good starting position).

If the room temperature is not satisfactory after a reasonable time, adjust the control to a warmer setting, as appropriate.

Maximum cooling

1. Turn the SPEED mode switch to the "HI" setting
2. Set the thermostat control to the MAX COOL temperature mark.

Quieter operation

1. Turn the SPEED mode switch to the "LOW" setting.
2. Set the thermostat control as needed.









CAUTION:

- 1) **Remember** the compressor of your air conditioner **will not** work when the temperature goes below 18°C.
- 2) Also when you shut off the air conditioner wait for 3 minutes before turning it on again. This is the compressor cycle time.
- 3) If you have any trouble in operating your air conditioner please refer to the Trouble Shooting section.

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. (Brackets or Supports not provided in all models)
- 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. (Brackets or Supports not provided in all models).
- 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) DO NOT install into any existing cabinet or sleeve which does not have side and top air vents.
-  13) 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.

Tools

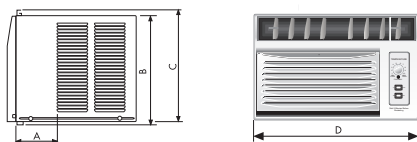
You will need to have the following tools to help you in the installation of your air conditioner.

- 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.

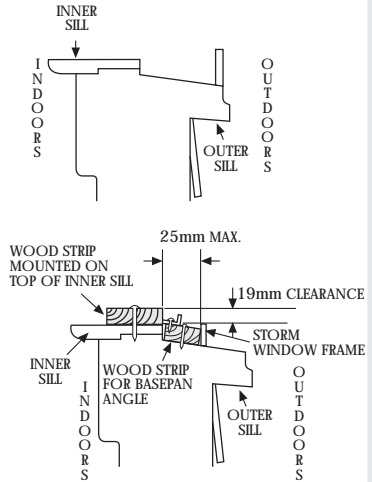


Model	HW-05C03/R1
Dimension	
A(mm)	130
B(mm)	320
C(mm)	340
D(mm)	559
Case High(mm)	316
Case Width(mm)	471.5
Case Depth(mm)	373

1 PREPARE WINDOW FOR INSTALLATION

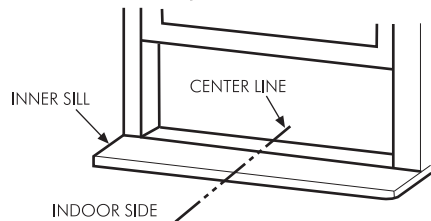
1. This unit is designed for installation in standard double hung windows with actual opening widths of 559mm to 915mm . The upper and lower sash must open sufficiently to allow a clear vertical opening of 355mm from the bottom of the sash to the window stool.
2. If storm window presents interference, fasten a 50mm wide wood strip(not included) (OUTER SILL) to the inner window sill across the full width of the sill. The wood strip should be thick enough to raise the height of the window sill so that the unit can be installed without interference by the storm window frame (STORM WINDOW FRAME) or wood strip (OUTDOORS) to help condensation to drain properly to the outside.
3. Install a second wood strip (approximately 150mm long by 38mm wide and same thickness as first strip) in the center of the outer sill flush against the back off the inner sill. This will raise basepan angle .
4. If the distance between STORM WINDOW FRAME and WOOD STRIP MOUNTED ON TOP OF INNER SILL is more than 25mm, two of wood strip are not necessary.

Hereinbefore is just for the demonstration,please adjust the data according to the actual structure and dimension of the window.



2 LOCATING UNIT IN WINDOW

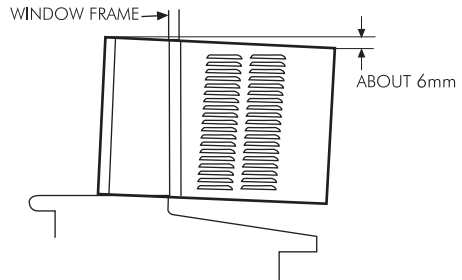
Open the window and mark center line on the center of the inner sill.



3 INSTALL THE AIR CONDITIONER IN THE WINDOW

Carefully lift the air conditioner and slide it into the open window.

NOTE: Seal small openings around window with gum-type sealer.

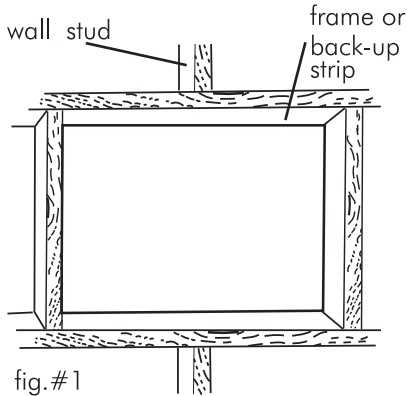


Wall installations :

Note: It's customer's responsibility and obligation to have this product installed by a qualified technician familiar with through-the-wall room air conditioner installations.

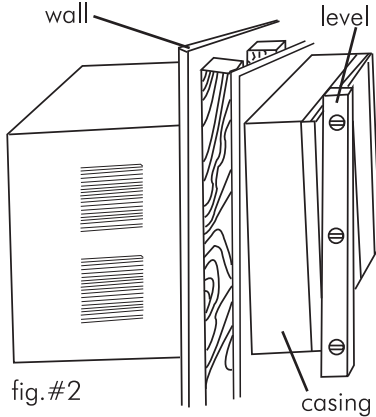
1) Using wood, 25mm or more in thickness, build a wooden frame to fit the cabinet dimensions of the unit which you have purchased.

2) Measure the outside width and the height of the frame to determine the cutout dimensions necessary for the opening in the wall. The depth of the frame will depend on the depth of the wall. The finished frame must be set in the inside wall. The frame has to be squared and leveled. Remember the frame has to be nailed securely to the wall studs. (See fig.#1)



typical wood framing

3) Now to install, insert the unit into the wall opening. Make sure that the cabinet is at least 12mm inch inside the room. Also the side louvers should not be blocked. This is to have proper air circulation in and around the compressor. (See fig.#2)



typical casing outward tip

4) The cabinet should be tilted 6mm outside so as to drain the excess dehumidified water.

5) Properly insulate any opening between the cabinet and frame.

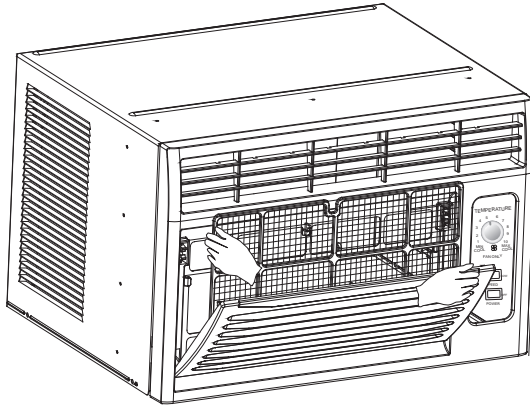
6) Use external wall brackets if needed.

7) If needed, install molding around room side of cabinet.

Seal small openings around window with gum-type sealer.

CAUTION: If, after completing these steps, the units appears to be loose or if you are unsure the unit is properly installed, contact a qualified installer.

Care and Cleaning Guide



- Always unplug your air conditioner before cleaning.
- The air filter behind the front grille should be checked and cleaned at least once every 2 weeks or more often if necessary.

To remove:

1. Open the inlet grille downward by pulling out the top of the inlet grille.
2. Remove the air filter from the front grille assembly by pulling the air filter up slightly.
3. Clean the filter with warm, soapy water below 40°C.
4. Rinse and gently shake the water from the filter and let it dry before replacing it.

DO NOT use your air conditioner without the air filter in place.

- To clean the front panels or the cabinet DO NOT use harsh chemicals, abrasives, ammonia, chlorine, bleach, concentrated detergents, solvents or metal scouring pads.
Some of these chemicals may dissolve, damage and/or discolor your air conditioner.
- Always use a soft cloth dampened with water or mild soap and water solution to wipe the front of the cabinet.
Wipe dry with a soft cloth.

- To store your air conditioner, after the season, remove the unit from the window as per the installation guide. Repack the unit in its original box and store away. If you do not intend to remove it from the window then cover the outside with a winter cover.
This can be purchased from the retailer where you purchased your air conditioner or from your local hardware store.
- Before putting away your unit make sure any water left in the pan is removed and drained away. Water left in the pan could lead to Rusting or damage to the electrical connections.

Trouble-Shooting

If air conditioner does not operate:

- Check if unit is plugged in. The plug may have come loose.
- Check if the unit is in "Off" mode.
- The fan control may be in "Off" position.

Air from air conditioner is warm:

- The A/C setting may need to be raised.
- The temperature outside the room is below 18°C. The compressor will not cycle on if the temperature outside is below 18°C.

Ice formation on cooling coils:

- Outside temperature too cold. Set the unit on fan only setting to defrost ice.
- Lower temperature setting. Temperature setting may be too cold.
- Unit W may be too high for the room.

Air conditioner working but room not cooling:

- Room may have appliances that produce heat. Use an exhaust fan to remove excess heat.
- Redirect the airflow. Remove any obstacles.
- All doors and windows need to be closed so cool air does not escape the room.
- Air filter may need cleaning.
- Unit W may be too low for the required cooling area.
- On extreme hot & humid days air conditioners may take a little longer to cool.

Air conditioner is making noise when cooling:

You may hear sounds of air movement, water, compressor clicking on and off or window vibrations. Please read Operating Guide – Normal Operating Sounds. (see page 6)

Water in the air conditioner cabinet:

This is normal as your air conditioner not only cools but also dehumidifies the air. If there is water dripping inside the room, check the installation of the unit. The unit may need to be reinstalled.