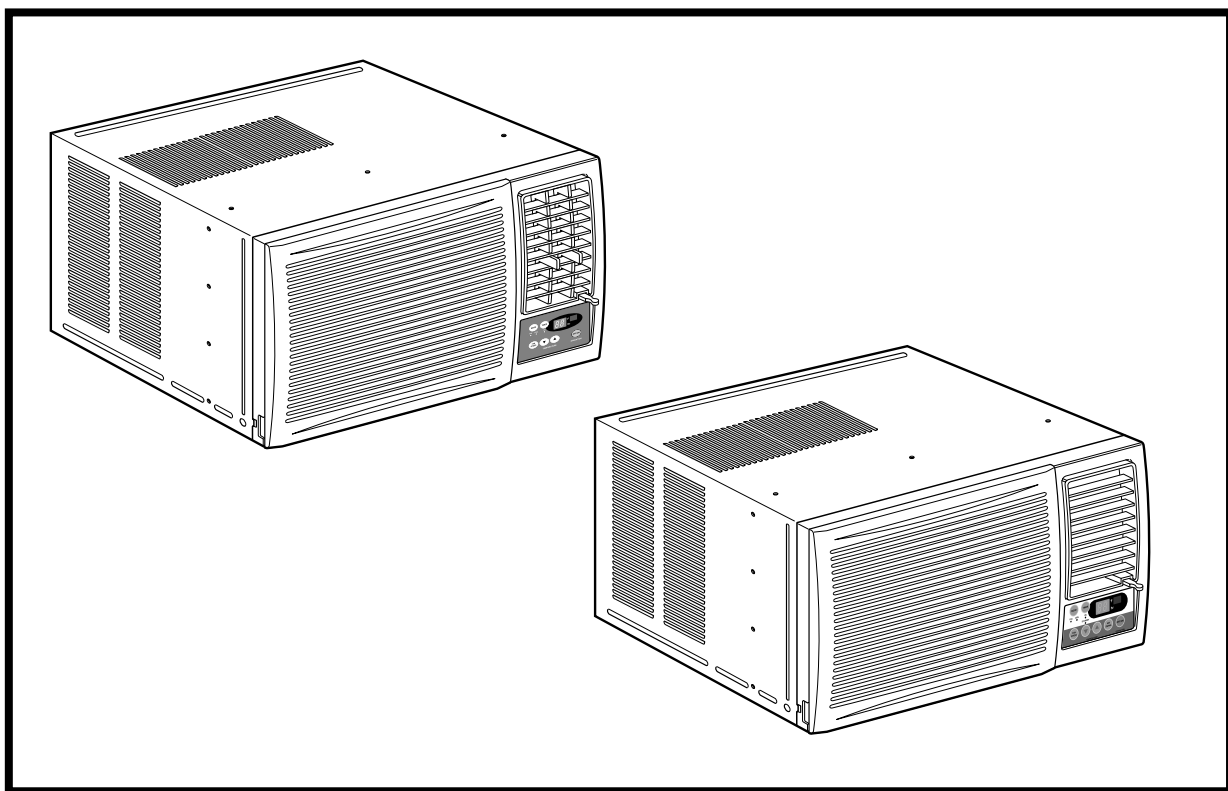


Panasonic[®]

Room Air Conditioner

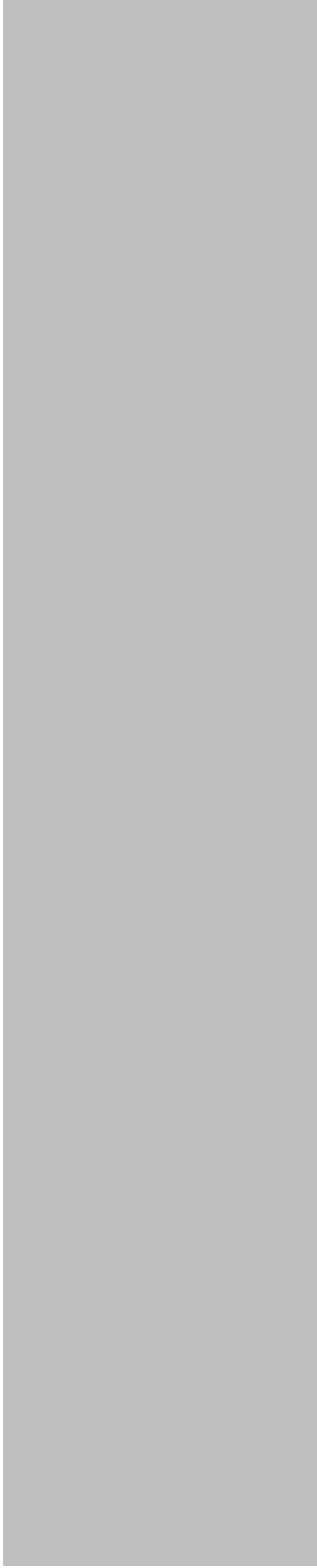
INSTALLATION AND OPERATING INSTRUCTIONS

Models: **CW-XC103HU**
CW-XC123HU
CW-XC143HU
CW-XC118HU



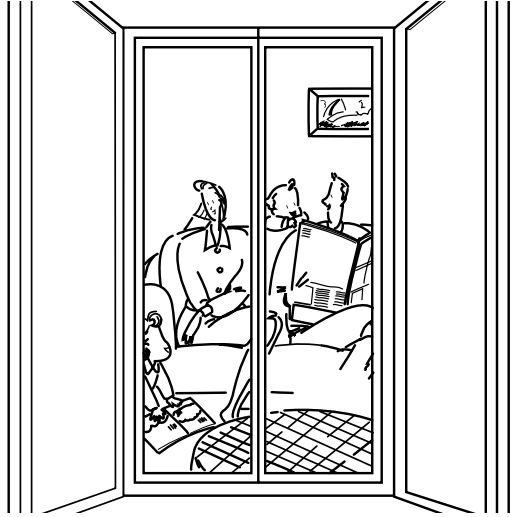
Please read these operating instructions thoroughly before using your air conditioner and keep for future reference.

For assistance, please call: 1-800-211-PANA(7262) or
Register your product at : <http://www.panasonic.com/register>













Safety Precautions

To prevent injury to the user or other people and property damage, the following instructions must be followed.

■ Incorrect operation due to ignoring of instruction will cause harm or damage. The seriousness is classified by the following indications.

	WARNING : This symbol indicates the possibility of death or serious injury.
	CAUTION : This symbol indicates the possibility of injury or damage to property only.

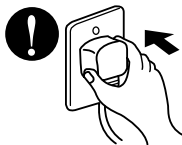
■ Meanings of symbols used in this manual are as shown below.

	Be sure not to do this.
	Be sure to follow the instructions.

 **WARNING**

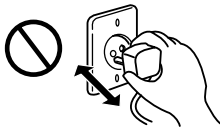
Plug in the power plug properly.

- Otherwise, it will cause electric shock or fire due to heat generation.



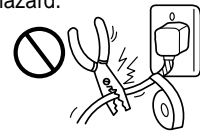
Do not operate or stop the unit by inserting or pulling out the power plug.

- It will cause electric shock or fire due to heat generation.



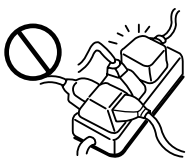
Do not damage or use an unspecified power cord.

- It will cause electric shock or fire.
- If the power cord is damaged, it must be replaced by the manufacturer or an authorized service center or a similarly qualified person in order to avoid a hazard.



Do not modify power cord length or share the outlet with other appliances.

- It will cause electric shock or fire due to heat generation.



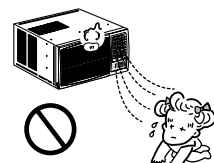
Do not operate with wet hands or in a damp environment.

- It will cause electric shock.



Do not direct airflow at room occupants.

- This could damage your health.





About the Controls on the Air Conditioner

Controls

Precaution: The Remote Control unit will not function properly if strong light strikes the sensor window of the air conditioner or if there are obstacles between the Remote Control unit and the air conditioner.

1 OPERATION BUTTON

To turn the air conditioner ON, push the button. To turn the air conditioner OFF, push the button again. This button takes priority over any other buttons. When you first turn it on, the air conditioner is on the High cool mode and the temp. at 72°F (22°C).

2 OPERATION MODE SELECTION BUTTON

Every time you push this button, it will toggle between COOL and FAN.

3 ON/OFF TIMER BUTTON

You can set the time when the unit will turn on or turn off automatically by pressing the timer button. If the unit is operating, this button controls the time it will be turned off. If the unit is off state, this button controls the time it will start. Every time you push this button, the remaining time will be set as follows.

- Stopping operation

- (1Hour → 2Hours → 3Hours → 4Hours → 5Hours → 6Hours → 7Hours → 8Hours → 9Hours → 10Hours → 11Hours → 12Hours → 0Hour → 1Hour → 2Hours →...)

- The Setting Temperature will be raised by 2°F(1°C) 30min. later and by 2°F(1°C) after another 30 min.

- Starting operation

- (1Hour → 2Hours → 3Hours → 4Hours → 5Hours → 6Hours → 7Hours → 8Hours → 9Hours → 10Hours → 11Hours → 12Hours → 0Hour → 1Hour → 2Hours → ...)

4 FAN SPEED SELECTION BUTTON

Every time you push this button, it is set as follows.

[High(F3) → Low(F1) → Med(F2) → High(F3) →...]

5 ROOM TEMPERATURE SETTING BUTTON

This button can automatically control the temperature of the room. The temperature can be set within a range of 60°F to 86°F by 1°F (16°C to 30°C by 1°C).

Select the lower number for lower temperature of the room.

6 REMOCON SIGNAL RECEIVER

Precaution: The Remote Control unit will not function properly if strong light strikes the sensor window of the air conditioner or if there are obstacles between the Remote Control unit and the air conditioner.

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(1Hour → 2Hours → 3Hours → 4Hours → 5Hours → 6Hours → 7Hours → 8Hours → 9Hours → 10Hours → 11Hours → 12Hours → 0Hour → 1Hour → 2Hours → ...)

6 AIR SWING BUTTON

This button can automatically control the air flow direction.

7 ECONOMY BUTTON

If you push this button, the fan stops when the compressor stops cooling. Approximately every 3 minutes the fan will turn on and check the room air temperature to determine if cooling is necessary.

8 REMOCON SIGNAL RECEIVER

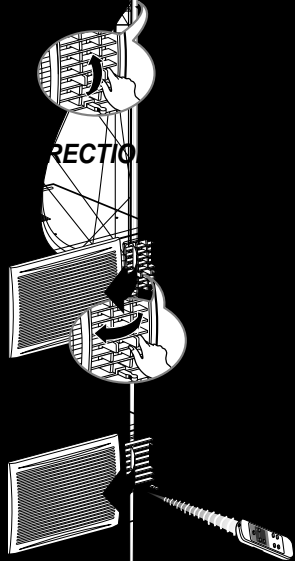
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Care and Maintenance

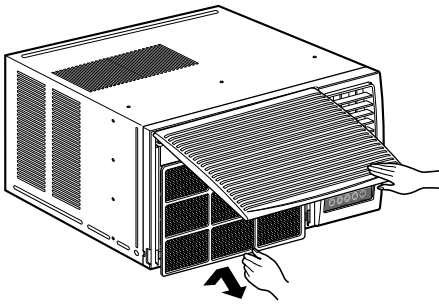
TURN THE AIR CONDITIONER OFF AND REMOVE THE PLUG FROM THE POWER OUTLET.

Air Filter 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:

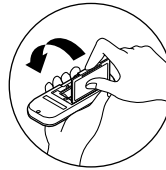
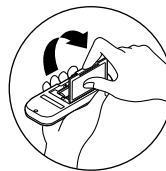
1. Open the inlet grille upward by pulling out the bottom of the inlet grille or downward by pulling out the top of the inlet grille.
2. Using the tab, pull up slightly on the filter to release it and pull it down or up.
3. Clean the filter with warm, soapy water under 40°C (104°F).
4. Rinse and gently shake the water from the filter and let it dry before replacing it.



CAUTION: DO NOT operate the air conditioner without a filter because dirt and lint will clog it and reduce performance.

HOW TO INSERT BATTERIES

1. Remove the cover from the back of the remote controller.
2. Insert two AAA dry cell batteries.
 - Be sure that the (+) and (-) directions are correct.
 - Be sure that both batteries are new.
3. Re-attach the cover.

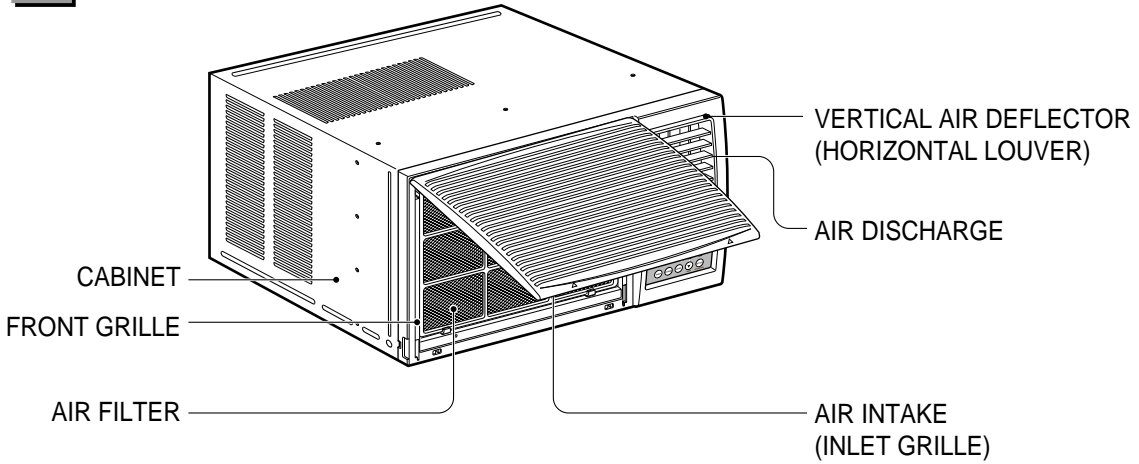


- Do not use rechargeable batteries. Such batteries differ from standard dry cells in shape, dimensions, and performance.
- Remove the batteries from the remote controller if the air conditioner is not going to be used for an extended length of time.

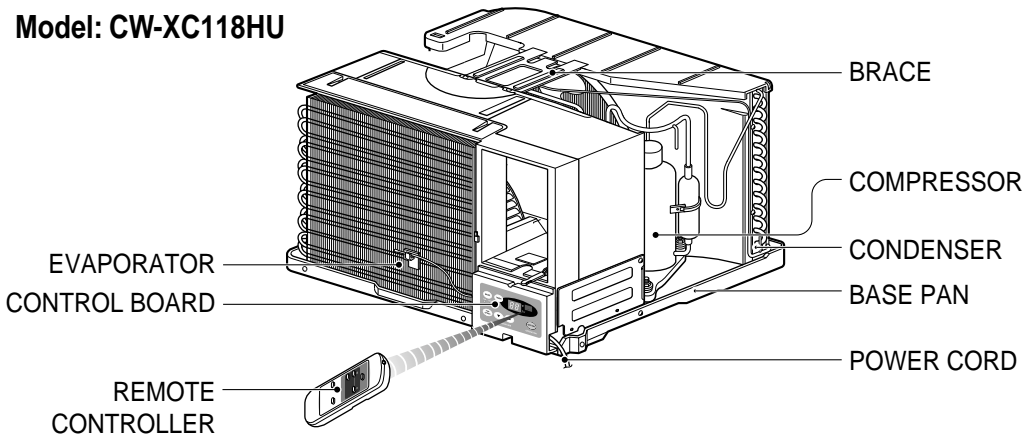
Features

Learning parts name prior to installation will help you understand the installation procedure.

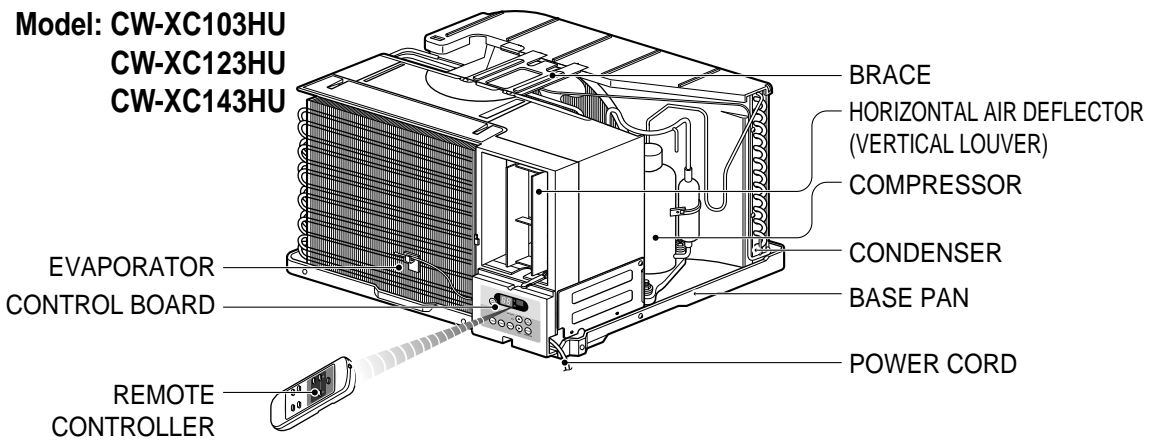
Features



Model: CW-XC118HU



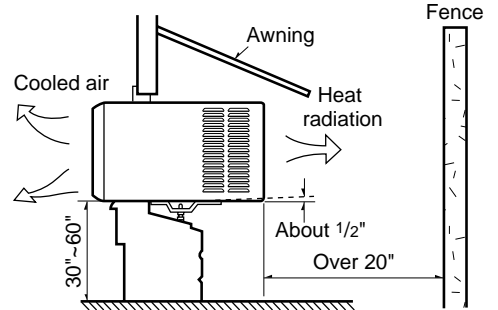
Model: CW-XC103HU CW-XC123HU CW-XC143HU



Installation

How to Install the Unit

1. To prevent vibration and noise, make sure the unit is installed securely and firmly
2. Install the unit where the sunlight does not shine directly on the unit.
3. The outside of the cabinet must extend outward for at least 12" and there should be no obstacles, such as a fence or wall, within 20" from the back of the cabinet because it will prevent heat radiation of the condenser.
Restriction of outside air will greatly reduce the cooling efficiency of the air conditioner.



CAUTION: All side louvers of the cabinet must remain exposed to the outside of the structure.

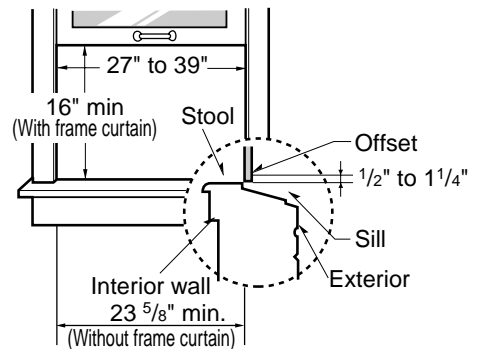
4. Install the unit a little slanted so the back is slightly lower than the front (about 1/2"). This will force condensed water to flow to the outside.
5. Install the unit with the bottom about 30"~60" above the floor level.

Window Requirements

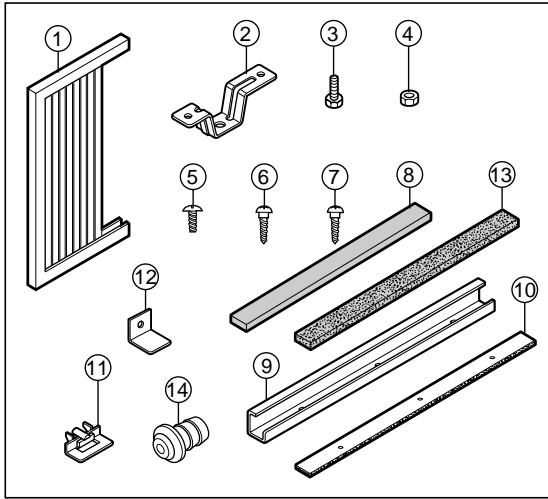
NOTE: All supporting parts should be secured to firm wood, masonry, or metal.

This unit is designed for installation in standard double hung windows with actual opening widths from 27" to 39".

The top and bottom window sash must open sufficiently to allow a clear vertical opening of 16" from the bottom of the upper sash to the window stool.



Installation Kits Contents



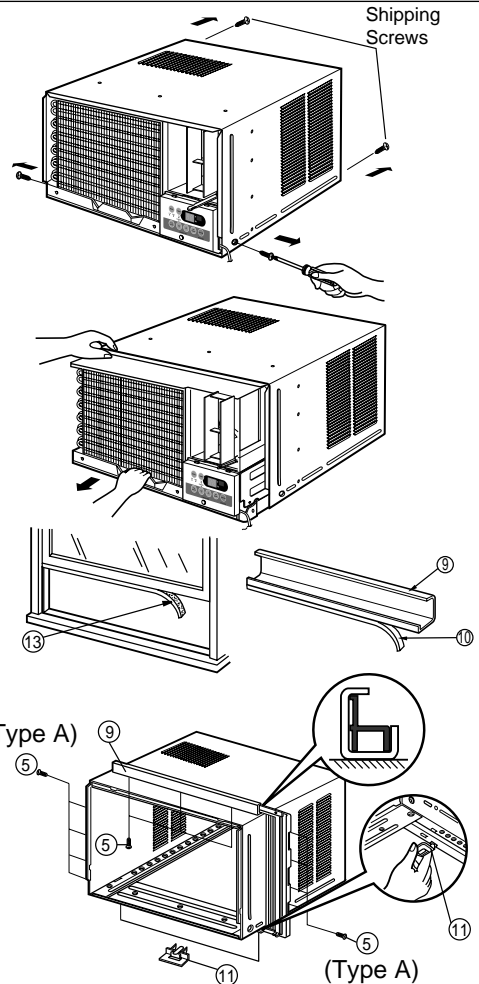
NO.	NAME OF PARTS	Q'TY
1	FRAME CURTAIN	2
2	SILL SUPPORT	2
3	BOLT	2
4	NUT	2
5	SCREW(TYPE A) (10mm(2/5"))	16
6	SCREW(TYPE B) <small>D5.1mm(0.2") 16mm(0.63")</small>	3
7	SCREW(TYPE C) <small>D4.1mm(0.17") 16mm(0.63")</small>	5
8	FOAM-STRIP	1
9	UPPER GUIDE	1
10	FOAM-PE (600mm x 25mm x 2mm)	1
11	FRAME GUIDE	2
12	WINDOW LOCKING BRACKET	1
13	FOAM-PE (920mm x 30mm x 2mm)	1
14	DRAIN PIPE	1

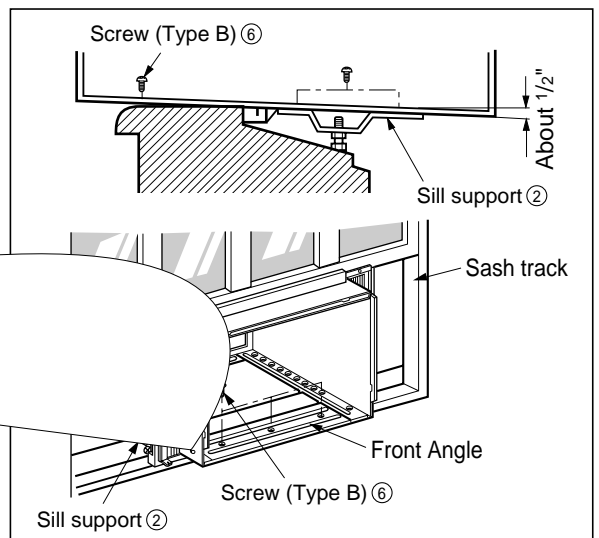
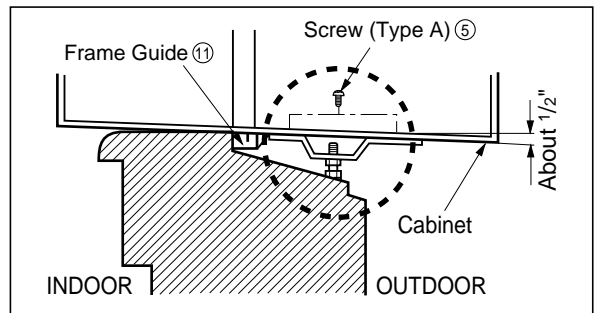
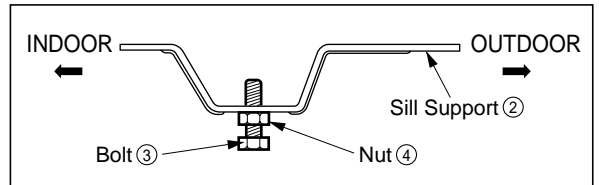
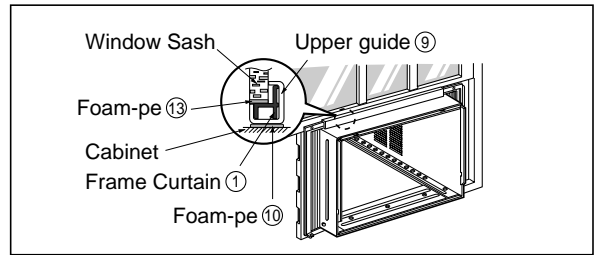
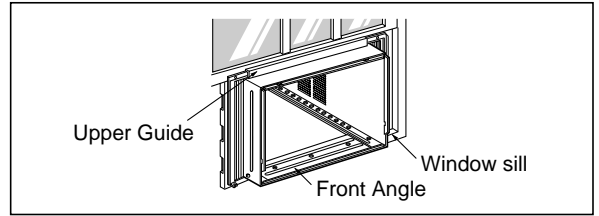
Suggested Tool Requirements

SCREWDRIVER(+, -), RULER, KNIFE, HAMMER, PENCIL, LEVEL

PREPARATION OF CHASSIS

1. Remove the screws which fasten the cabinet at both sides and at the back.
2. Slide the unit from the cabinet by gripping the base pan handle and pulling while bracing the cabinet.
3. Cut the window sash seal to the proper length.
Peel off the backing and attach the FOAM-PE ⑬ to the underside of the window sash.
4. Remove the backing from the top upper guide FOAM-PE ⑩ and attach it to the bottom of the upper guide ⑨.
5. Attach the upper guide onto the top of the cabinet with 3 type A screws.
6. Insert the frame guides ⑪ into the bottom of the cabinet.
7. Insert the Frame Curtain ① into the upper guide ⑨ and frame guides ⑪.
8. Fasten the curtains to the unit with 4 Type A screws.





9. Attach each Frame curtain to the window sash using screws ⑦ (Type C). (See Fig. 6)

CAUTION: DO NOT DRILL A HOLE IN THE BOTTOM PAN.

The unit is designed to operate with approximately 1/2" of water in bottom pan.

10. Slide the unit into the cabinet. (See Fig. 7)

CAUTION: For security purpose, reinstall screws (Type A) at cabinet's sides.

11. Cut the foam-strip ⑧ to the proper length and insert between the upper window sash and the lower window sash. (See Fig. 8)

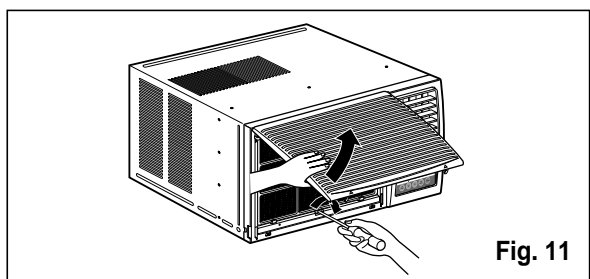
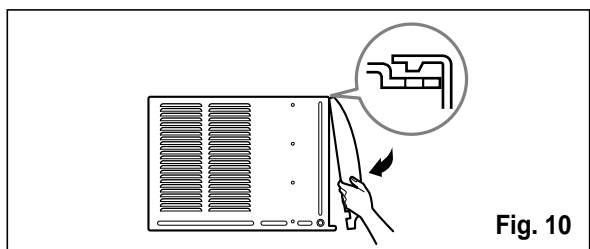
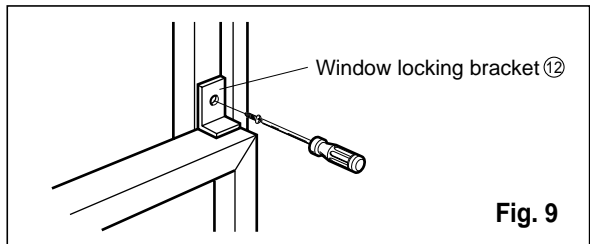
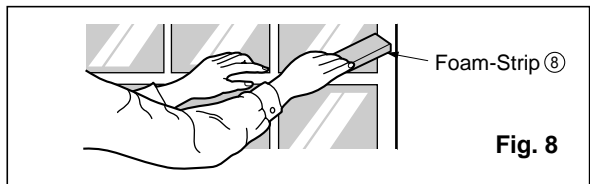
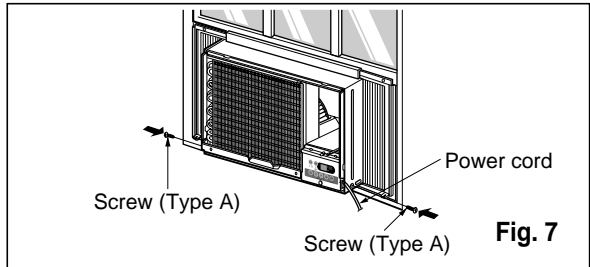
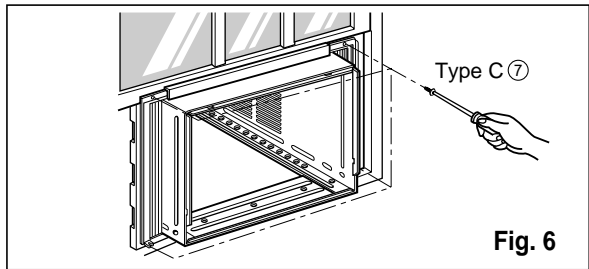
12. Attach the window locking bracket ⑫ with a type C screw. (See Fig. 9)

13. Attach the front grille to the cabinet by inserting the tabs on the grille into the tabs on the front of the cabinet. Push the grille in until it snaps into place. (See Fig.10)

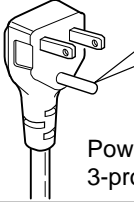
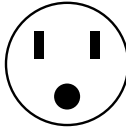
NOTE: Please refer page 7 for setting the ventilation knob.

14. Lift the inlet grille and secure it with a type A screw through the front grille. (See Fig. 11)

15. **Window installation of room air conditioner is now completed. See ELECTRICAL DATA for attaching power cord to electrical outlet.**



Electrical Data

Line Cord Plug	Use Wall Receptacle	Power Supply
 <p data-bbox="434 401 609 519">Do not under any circumstances cut or remove the grounding prong from the plug.</p> <p data-bbox="371 525 623 578">Power supply cord with 3-prong grounding plug</p>	 <p data-bbox="686 525 1043 578">Standard 125V, 3-wire grounding receptacle rated 15A, 125V AC</p>	<p data-bbox="1071 441 1295 519">Use 15 AMP, time delay fuse or circuit breaker.</p>

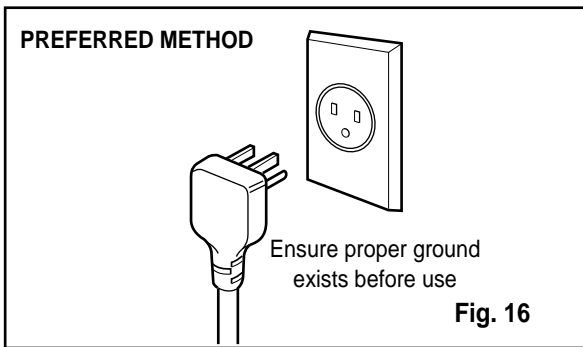
USE OF EXTENSION CORDS

Because of potential safety hazards, we strongly discourage the use of an extension cord. However, if you wish to use an extension cord, use a CSA certified/UL-listed 3-wire (grounding) extension cord, rated 15A, 125V.

IMPORTANT (PLEASE READ CAREFULLY)

FOR THE USER'S PERSONAL SAFETY, THIS APPLIANCE MUST BE PROPERLY GROUNDED

The power cord of this appliance is equipped with a three-prong (grounding) plug. Use this with a standard three-slot (grounding) wall power outlet (Fig. 16) to minimize the hazard of electric shock. The customer should have the wall receptacle and circuit checked by a qualified electrician to make sure the receptacle is properly grounded.



DO NOT CUT OR REMOVE THE THIRD (GROUND) PRONG FROM THE POWER PLUG.

A. SITUATIONS WHERE THE APPLIANCE WILL BE DISCONNECTED ONLY OCCASIONALLY:

Because of potential safety hazards, we strongly discourage the use of an adapter plug. However, if you wish to use an adapter, a **TEMPORARY CONNECTION** may be made. Use UL-listed adapter, available from most local hardware stores (Fig. 17). The large slot in the adapter must be aligned with the large slot in the receptacle to assure a proper polarity connection.

CAUTION: Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal, and not insulated, and the wall receptacle is grounded through the house wiring.

The customer should have the circuit checked by a qualified electrician to make sure the receptacle is properly grounded.

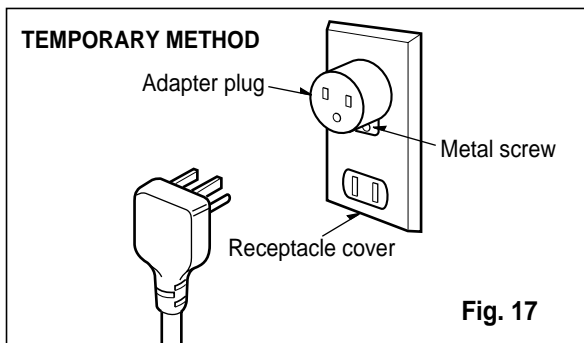
Disconnect the power cord from the adapter, using one hand on each. Otherwise, the adapter ground terminal might break. **DO NOT USE** the appliance with a broken adapter plug.

B. SITUATIONS WHERE THE APPLIANCE WILL BE DISCONNECTED OFTEN.

Do not use an adapter plug in these situations. Unplugging the power cord frequently can lead to an eventual breakage of the ground terminal. The wall power outlet should be replaced by a three-slot (grounding) outlet instead.

USE OF EXTENSION CORDS

Because of potential safety hazards, we strongly discourage the use of an extension cord. However, if you wish to use an extension cord, use a CSA certified/UL-listed 3-wire (grounding) extension cord, rated 15A, 125V.



Before you call for service...

Troubleshooting Tips Save time and money!
Review the chart below first and you may not need to call for service.

Normal Operation

- You may hear a pinging noise caused by water being picked up and thrown against the condenser on rainy days or when the humidity is high. This design feature helps remove moisture and improve efficiency.
- You may hear the thermostat click when the compressor cycles on and off.
- Water will collect in the base pan during high humidity or on rainy days. The water may overflow and drip from the outdoor side of the unit.
- The fan may run even when the compressor does not.

Abnormal Operation

Problem	Possible Causes	What To Do
Air conditioner does not start	■ <i>The air conditioner is unplugged.</i>	• Make sure the air conditioner plug is pushed completely into the outlet.
	■ <i>The fuse is blown/circuit breaker is tripped.</i>	• Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	■ <i>Power failure.</i>	• When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload.
Air conditioner does not cool as it should	■ <i>Airflow is restricted.</i>	• Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	■ <i>TEMP Control set too higher number.</i>	• Set the TEMP Control to a lower number.
	■ <i>The air filter is dirty.</i>	• Clean the filter at least every 2 weeks. See the operating instructions section.
	■ <i>The room may have been hot.</i>	• When the air conditioner is first turned on you need to allow time for the room to cool down.
	■ <i>Cold air is escaping.</i>	• Check for open furnace floor registers and cold air returns. • Set the air conditioner's vent to the closed position.
Air conditioner freezing up	■ <i>Cooling coils have iced up.</i>	• See Air Conditioner Freezing Up below.
	■ <i>Ice blocks the air flow and stops the air conditioner from cooling the room.</i>	• Set the mode control at High Fan or High Cool with the high temperature.

Memo

A series of horizontal dotted lines for writing.

Como
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de la vida útil de

resolución de
la mayoría de los
consulta primero la tabla de
solución de problemas, quizá ni
servicio técnico.

técnico autorizado sobre la
de esta unidad.

no debe ser utilizado por
as inestables sin



os pequeños para
an con el acondicionador







Precauciones Importantes de Seguridad

Para prevenir tanto lesiones al usuario u otras personas como daños materiales, es preciso seguir estas instrucciones.

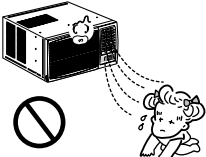
- El manejo incorrecto debido a la inobservancia de estas instrucciones puede causar lesiones o daños cuya gravedad está clasificada en las siguientes indicaciones.

	ADVERTENCIA	Este símbolo indica la posibilidad de lesiones mortales o graves.
	PRECAUCION	Este símbolo indica la posibilidad de lesiones o daños materiales.

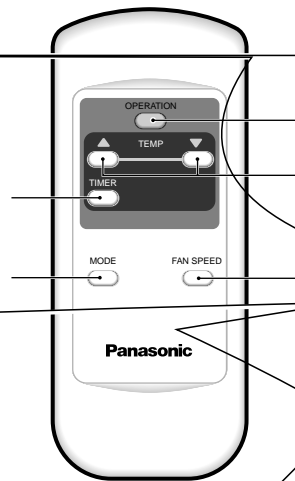
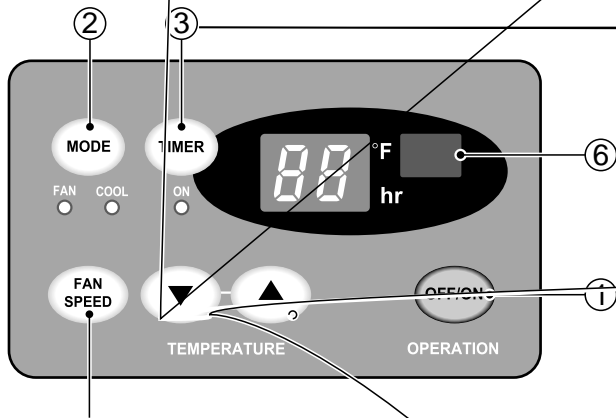
- El significado de los símbolos utilizados en este manual se indica a continuación.

	Asegúrese de no hacerlo.
  	Asegúrese de seguir las instrucciones.

ADVERTENCIA

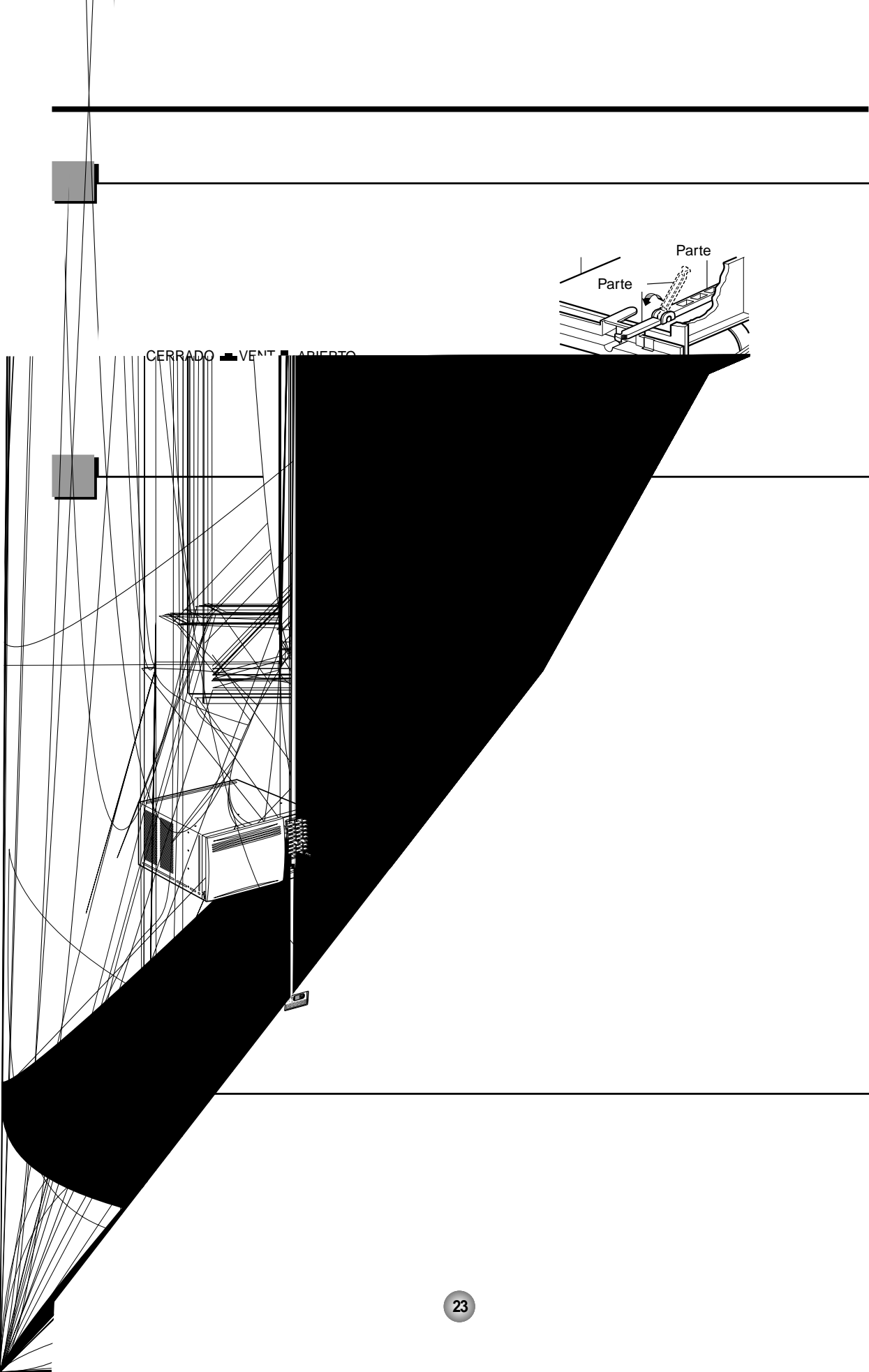
Conecte correctamente el enchufe	No opere o pare la unidad insertando o tirando del enchufe	No dañe o utilice un cable eléctrico inadecuado
<ul style="list-style-type: none"> • De otra forma, ello ocasionaría una descarga eléctrica o incendio a causa de la generación de calor. 	<ul style="list-style-type: none"> • Ello ocasionaría una descarga eléctrica o incendio a causa de la generación de calor. 	<ul style="list-style-type: none"> • Ello ocasionaría una descarga eléctrica o incendio.
		
No modifique el largo del cable eléctrico, y tampoco comparta el tomacorriente con otros aparatos	No lo maneje con las manos húmedas	No exponga durante mucho tiempo la piel al aire frío procedente directamente del acondicionador.
<ul style="list-style-type: none"> • Ello ocasionaría una descarga eléctrica o incendio a causa de la generación de calor. 	<ul style="list-style-type: none"> • Puede ocasionar una descarga eléctrica. 	<ul style="list-style-type: none"> • Esto podría dañar su salud.
		



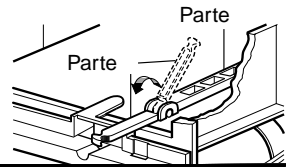


Instrucciones de Funcionamiento

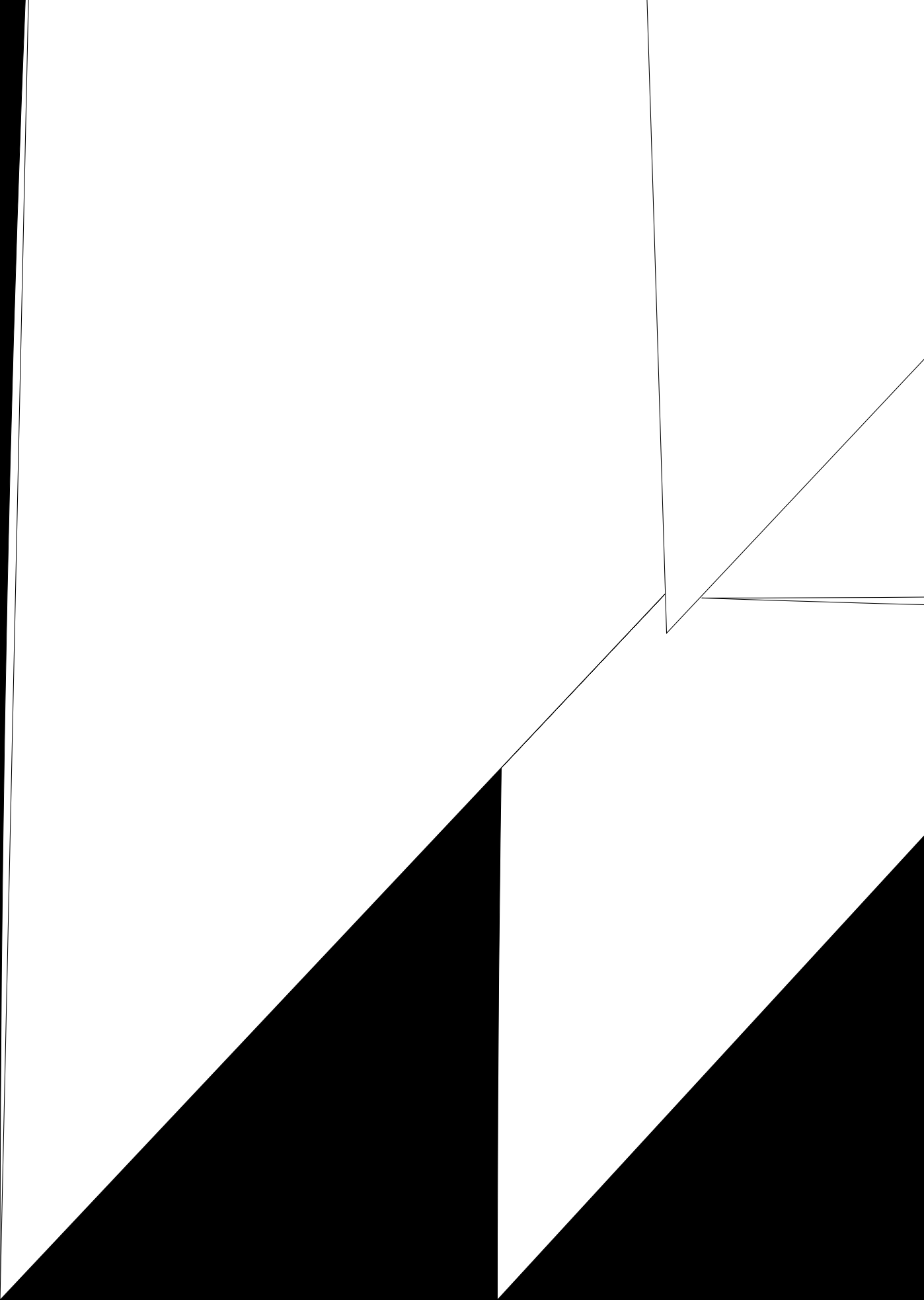




CERRADO ■ VENT ■ ABIERTO











en la charola del fondo.

10. Deslice el chasis dentro del gabinete.
(Ver Fig. 7)

CUIDADO: Por razones de seguridad, re instale los tornillos(Tipo A) en los lados del gabinete.

11. Corte la tira de goma ⑧ a la longitud apropiada e introdúzcala entre la parte superior e inferior de la ventana.
(Ver Fig. 8)

12. Sujete la chapade soporte ⑩ a la ventana ⑫ con un tornillo.
(Ver Fig. 9)

13. Pegue el adhesivo ⑪ a los fijadores del panel.

NOTA:

Fig. 6

Fig. 7

8

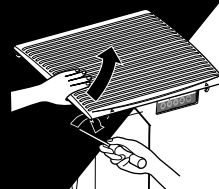


Fig. 11



IMPORTANTE (FAVORLEA CON ATENCIÓN)

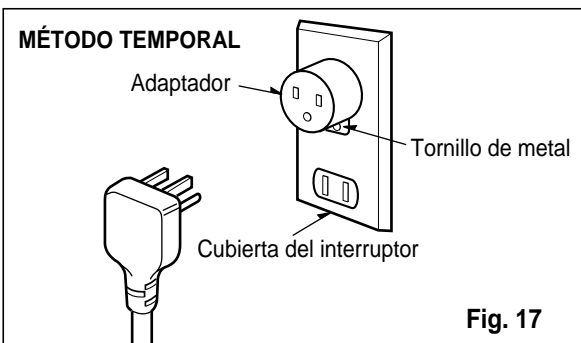
POR LA SEGURIDAD PERSONAL DEL USUARIO, ESTE APARATO DEBE SER DEBIDAMENTE NEUTRALIZADO.

El cordón de energía de éste aparato está equipado con tres patas (cable a tierra). Utilice éste con un enchufe de pared de tres salidas (a tierra) (Fig. 16) para minimizar el peligro de choque eléctrico. El cliente debe revisar el receptor de pared y el circuito por un electricista calificado para asegurarse que la recepción está debidamente neutralizada.



NO CORTE O REMUEVA LA TERCERA PATA (GROUND) DEL ENCHUFE.

A. SITUACIONES EN LAS CUALES EL APARATO ES DESCONECTADO OCASIONALMENTE:



Debido al peligro potencial, nosotros no recomendamos el uso de adaptadores. Sin embargo, si usted desea utilizar un adaptador, una CONEXIÓN TEMPORAL, puede ser efectuada. Utilice adaptadores UL, disponibles en la mayoría de los establecimientos de herramientas (Fig. 17). La pata más grande del adaptador debe ser alineada con la pata más grande del interruptor para asegurarse una polarización adecuada.

CUIDADO: Adaptar la terminal del ground del adaptador a la cubierta de la pared con un tornillo no neutraliza el aparato a menos que la cubierta del tornillo sea de metal, u no sea aislada, y el receptor de pared esté neutralizado a través del alambreado de la casa. El cliente debe hacer verificar el circuito por un electricista calificado para asegurarse que el receptor está debidamente neutralizado.

Desconecte el cordón de energía del adaptador, utilizando una mano en cada uno. De lo contrario, la terminal del adaptador puede romperse. **NO UTILICE** el aparato con un enchufe roto.

B. SITUACIONES EN LAS CUALES EL APARATO ES DESCONECTADO CON FRECUENCIA.

No utilice un adaptador en estas circunstancias. Desconectar el cordón de energía con frecuencia lo llevará al eventual rompimiento de la terminal de neutralización. La salud de energía de la pared debe ser reemplazada por una salida de tres patas (neutralizada).

USO DE EXTENSIONES

Debido al peligro potencial, no recomendamos la utilización de extensiones. Sin embargo, si usted desea utilizar una extensión, utilice una certificada por CSA/UL de tres alambres, catalogada 15A, 125V.



**PRODUCT SPECIFICATION
ESPECIFICACIONES DEL PRODUCTO**

Model Modèle Modelo			CW-XC103HU	CW-XC118HU
COOLING CAPACITY CAPACITÉ DE REFRROIDISSEMENT CAPACIDAD DE ENFRIAMIENTO	Btu/h		9,800	11,800
ELECTRICAL RATING CARACTÉRISTIQUES ÉLECTRIQUES CLASIFICACION DE LA ELECTRICIDAD	Phase Phase Fase		Single Simple Monofasico	Single Simple Monofasico
	Frequency Fréquence Frecuencia	(Hz)	60	60
	Voltage Tension Voltaja	(V)	115	115
	Current Courant Corriente	(Amps) (A) (Amps)	8.4	10.0
	Input Consommation Potencia	(W)	910	1,090
EER RENDEMENT ÉNERGÉTIQUE EER			10.8	10.8
MOISTURE REMOVAL SUPPRESSION D'HUMIDITÉ DESHUMIDIFICACION		(Pints/h) (pinte/h) (Tinta/h)	3.3	3.0
ROOM CIRCULATION CIRCULATION D'AIR CIRCULACION DE AIRE		(Cf/min) (pi/min) (pie/min)	265	290
DIMENSIONS DIMENSIONS DIMENSIONES	Height Hauteur Alto	cm(inches) cm(pouces) cm(pulgadas)	38.0(14 ^{31/32})	38.0(14 ^{31/32})
	Width Largeur Ancho	cm(inches) cm(pouces) cm(pulgadas)	60.0(23 ^{5/8})	60.0(23 ^{5/8})
	Depth Profondeur Profundidad	cm(inches) cm(pouces) cm(pulgadas)	56.7(22 ^{5/16})	56.7(22 ^{5/16})
NET WEIGHT POIDS NET PESO NETO		kg(lb) kg(livres) kb(libras)	43(95)	45(100)
GROSS WEIGHT POIDS BRUT PESO BRUTO		kg(lb) kg(livres) kb(libras)	45(100)	47(105)

- * Specifications are subject to change without notice for improvement.
- * Les spécifications ci-dessus peuvent être changées sans préavis.
- * Las especificaciones están sujetas a cambios por mejoras sin previo aviso.

Nota

A series of horizontal dotted lines for writing notes.

**Panasonic Consumer Electronics Company,
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Secaucus, New Jersey 07094

**Panasonic Sales Company,
Division of Matsushita Electric of Puerto Rico, Inc.,**
Ave. 65 de Infanteria, Km. 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985

Panasonic Room Air Conditioner Limited Warranty

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the Warrantor") will repair this product with new or refurbished parts in case of defects in material or workmanship, free of charge, in the USA or Puerto Rico in accordance to the following (All time periods start from the date of the original purchase).

SEALED REFRIGERATING SYSTEM (compressor and interconnecting tube): FIVE (5) YEARS - PARTS AND LABOR

ALL OTHER COMPONENTS: ONE (1) YEAR - PARTS AND LABOR

In-home service in the USA can be obtained during the warranty period by contacting a Panasonic Service Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call toll free, 1-800-211-PANA(7262), to locate a PASC authorized Servicenter. In-home service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

Note: If the unit is installed at the other than normal window height and/or has been custom-installed (e.g., through the wall), the customer is responsible for removing the unit from its installation prior to the performance of in-home service.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of the original purchase is required for service and parts replacement under this warranty.

This warranty only covers failures due to defects in materials and workmanship and does not cover normal wear or cosmetic damage. The warranty does not cover damages which occur in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, maladjustment of customer controls, improper maintenance, alteration, modification, power line surge, lightning damage, improper voltage supply, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Consumer Affairs Department at the company address indicated above.

SERVICE CALLS WHICH DO NOT INVOLVE DEFECTIVE MATERIALS OR WORKMANSHIP AS DETERMINED BY THE WARRANTOR, IN ITS SOLE DISCRETION, ARE NOT COVERED. COSTS OF SUCH SERVICE CALLS ARE THE RESPONSIBILITY OF THE PURCHASER.

[For assistance, please call: 1-800-211-PANA (7262) or send e-mail to consumerproducts@panasonic.com]

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