Installation and Operation Manual

FRIEDRICH

Chill® Premier Inverter Room Air Conditioners



Chassis Models

Chill® Premier Inverter 115 VOLT CCV08, CCV10, CCV12

THE EXPERTS IN ROOM AIR CONDITIONING

93011012_01

RECOGNIZE THIS SYMBOL AS AN INDICATION OF IMPORTANT SAFETY INFORMATION!

⚠WARNING

THESE INSTRUCTIONS ARE INTENDED AS AN AID TO QUALIFIED SERVICE PERSONNEL FOR PROPER INSTALLATION, ADJUSTMENT AND OPERATION OF THIS UNIT. READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING INSTALLATION OR OPERATION. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN IMPROPER INSTALLATION, ADJUSTMENT, SERVICE OR MAINTENANCE, POSSIBLY RESULTING IN FIRE, ELECTRICAL SHOCK, CARBON MONOXIDE POISONING, EXPLOSION, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

⚠WARNING

PROPOSITION 65 WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

DO NOT DESTROY THIS MANUAL, PLEASE READ CAREFULLY AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE BY A SERVICEMAN.

⚠CAUTION: Do Not Operate Equipment During Active Stages Of Construction

To ensure proper operation, Friedrich requires that all equipment is not operated during active construction phases. This includes active stages of completing framing, drywalling, spackling, sanding, painting, flooring, and moulding in the equipment's designated conditioning space. The use of this equipment during construction could result in premature failure of the components and/or system and is in violation of our standard warranty guidelines. The operation of newly installed equipment during construction will accelerate the commencement and/or termination of the warranty period.

Register your Air Conditioner

Model information can be found on the name plate.
Please complete and mail the owner registration card furnished with this product, or register online at www.friedrich.com.

For your future convenience, record the model information .

Model Number _____

Serial Number _____

TABLE OF CONTENTS

A. IMPORTANT SAFETY AND GENERAL INFORMATION 3
- A.1 Introduction 3
- A.2 Safety Warnings 3
- A.3 Warning For Using R32 Refrigerant 5
- A.3 Importance of a Quality Installation 8
- A.4 Product Inspection / Packing List 8

B. SPECIFICATIONS 9
- B.1 Dimensions 9
- C.1 Pre-Installation Checkpoints 10
- C.2 Tools Required 11
- C.3. Choosing a Location 11
- C.4 Window Installation 12

E. ELECTRICAL 17
- E.1 Electrical Safety Information 17

J. STARTUP AND OPERATION 18
- J.1 Control Panel Operation 18
- J.2 Remote Control Operation 22
- J.5 Start-up 23
- L. WIFI 23

M. TROUBLESHOOTING 24
- M.1. Troubleshooting Tips 24

R . INFORMATION FOR THE OWNER 26
- R.1 Maintenance 26
- R.2 Warranty 27

A. IMPORTANT SAFETY AND GENERAL INFORMATION

A.1 Introduction

This booklet contains the installation and operating instructions for your Air Conditioning unit. There are some precautions that should be taken to ensure proper operation. Improper installation can result in unsatisfactory operation or dangerous conditions.

Read this booklet and any instructions packaged with separate equipment required to make up the system prior to installation. Give this booklet to the owner and explain its provisions. The owner should retain this booklet for future reference.

A.2 Safety Warnings

⚠WARNING: The manufacturer's warranty does not cover any damage or defect to the air conditioner caused by the attachment or use of any components, accessories or devices (other than those authorized by the manufacturer) into, onto or in conjunction with the air conditioner. You should be aware that the use of unauthorized components, accessories or devices may adversely affect the operation of the air conditioner and may also endanger life and property. The manufacturer disclaims any responsibility for such loss or injury resulting from the use of such unauthorized components, accessories or devices.



⚠WARNING:Electrical Shock Hazard

Disconnect all power to the unit before starting maintenance. All electrical connections and wiring MUST be installed by a qualified electrician and conform to the National Code and all local codes which have jurisdiction. Failure to do so can result in property damage, severe electrical shock or death.

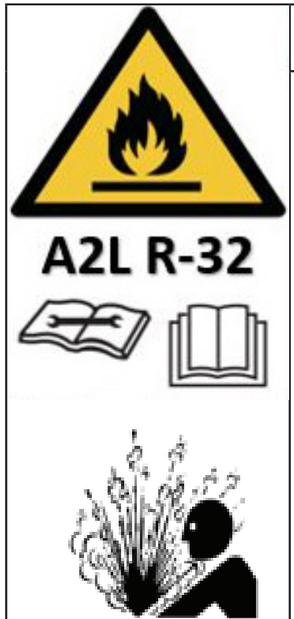
⚠WARNING: Read Installation Manual



Please read this manual thoroughly prior to equipment installation or operation. It is the installer's resposibility to properly apply and install the equipment. Installation must be in conformance with the NFPA 70-2023 national electric code or current edition, International Mechanic code 2021 or current edition, and any other local or national codes.

⚠WARNING: Safety First

Do not remove, disable, or bypass this unit's safety devices. Doing so may cause fire, injuries, or death.



⚠WARNING	⚠ADVERTENCIA	⚠ATTENTION
• RISK OF FIRE OR EXPLOSION • FLAMMABLE REFIGERANT USED • REPAIRS MAY ONLY BE PERFORMED BY TRAINED PERSONNEL • CONSULT SERVICE MANUAL BEFORE ATTEMPTING REPAIRS. ALL SAFETY PRECAUIONS MUST BE FOLLOWED • DO NOT PUNCTURE TUBING • DISPOSE OF UNIT PROPERLY IN ACCORDANCE WITH FEDERAL OR LOCAL REGULATIONS • ONLY USE A2L APPROVED SERVICE EQUIPMENT	• RIESGO DE FUEGO • REFIGERANTE INFLAMABLE UTILZADO • PARA SER REPARDO UNICAMENTE POR PERSONAL DE SERVICIO CAPACITADO • CONSULTE EL MANUAL DE REPARACION DEL PROPIETARIO ANTES DE INTENTAR REPARAR ESTE PRODUCTO. SE DEBEN SEGUIR TODAS LAS PRECAUCCIONES DE SEGURIDAD • NO PERFORE LA TUBERIA DE REFIGERANTE • DESECHE APROPIADAMENTE DE ACUERDO CON LAS REGULACIONES FEDERALES O LOCALES	• RISQUE D'INCENDIE • REFRIGERANT INFLAMMABLE UTILISE • A REPARER UNIQUEMENT PAR DU PERSONNELDE SERVICE QUALIFIE • CONSULTAR LE MANUEL DE REPARATION/GUIDE DU PROPRIETARE AVANTE DE TENTER DE REPARER CE PRODUIT. TOUTES LES PRECAUTIONS DE SECURITE DOIVENT ETRE SUIVIES • NE PAS PERFORER LE TUYAU DE REFIGERANT • ELIMINER CORRECTEMENT CONFORMENT AUX REGLEMENTS FEDERAUX OU LOCAUX

A. IMPORTANT SAFETY AND GENERAL INFORMATION

Read All Instructions and Cautionary Markings Before Operation and Installation to prevent death or injury to the user, other people, or property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause death, harm or damage.

⚠ WARNING: This symbol indicates the possibility of a hazard to personnel.

⚠ CAUTION: This symbol indicates the possibility of property damage or serious consequences.

⚠ WARNING:

1. Installation must be performed according to the installation instructions. Improper installation can cause water leakage, electrical shock, or fire.
2. Use only the included accessories and parts, and specified tools for the installation. Using nonstandard parts can cause water leakage, electrical shock, fire, and injury or property damage.
3. Make sure that the outlet you are using is grounded and has the appropriate voltage. The power cord is equipped with a three-prong grounding plug to protect against shock. Voltage information can be found on the nameplate of the appliance.
4. Your appliance must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker (the fuse or circuit breaker needed is determined by the maximum current of the appliance. The maximum current is indicated on the model nameplate located on the appliance, have a qualified electrician install the proper receptacle.
5. Install the appliance on a flat, sturdy surface. Failure to do so could result in damage or excessive noise and vibration.
6. The appliance must be kept free from obstruction to ensure proper function and to mitigate safety hazards.
7. The unit should not be in contact with any equipment that will transmit vibration to the unit. Any excessive vibration or pulsation to the unit could result in damage to the refrigerant tubing.
8. Do not modify the length of the power cord or use an extension cord to power the appliance.
9. Do not share a single outlet with other electrical appliances. Improper power supply can cause fire or electrical shock.
10. Do not install your air conditioner in a wet room such as a bathroom or laundry room. Too much exposure to water can cause electrical components to short circuit.
11. Do not install the appliance in a location that may be exposed to combustible gas, as this could cause fire.
12. Do not operate the appliance if it has been dropped or damaged.
13. Do not touch the appliance with wet or damp hands or when barefoot.
14. If the air conditioner is knocked over during use, turn off the appliance and unplug it from the main power supply immediately. Visually inspect the appliance to ensure there is no damage. If you suspect the appliance has been damaged, contact a technician or customer service for assistance.
15. In a thunderstorm, the power must be cut off to avoid damage to the machine due to lightning. Your air conditioner should be used in such a way that it is protected from moisture. e.g. condensation, splashed water, etc. Do not place or store your air conditioner where it can fall or be pulled into water or any other liquid. Unplug immediately if it occurs.
16. All wiring must be performed strictly in accordance with the wiring diagram located inside of the appliance.
17. The appliance's circuit board(PCB) is designed with a fuse to provide overcurrent protection. The specifications of the fuse are printed on the circuit board, such as: T 3.15A/250V, etc.
18. After proper installation, condensate will not overflow during normal use. If the fan hits the built-up water and the sound annoys you, please remove the cap located at the back of the air conditioner to drain the water away.

⚠ CAUTION:

1. 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 use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. Children must be supervised around the appliance at all times.
2. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
3. Prior to cleaning or other maintenance, the appliance must be disconnected from the supply mains.
4. Never use this appliance if it is not working properly, or if it has been dropped or damaged.
5. Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
6. Do not operate with a damaged cord, plug, power fuse or circuit breaker. Discard the appliance or return to an authorized service facility for examination and/or repair.
7. To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
8. The appliance shall be installed in accordance with national wiring regulations.
9. Contact the authorized service technician for repair or maintenance of this appliance.
10. Contact the authorized installer for installation of this appliance.
11. Do not cover or obstruct the inlet or outlet grilles.
12. Do not use this product for functions other than those described in this instruction manual.
13. Before cleaning, turn off the power and unplug the appliance.
14 .Disconnect the power if strange sounds, smell, or smoke comes from it.
15. Do not press the buttons on the control panel with anything other than your fingers.
16. Do not operate or stop the appliance by inserting or pulling out the power cord plug.
17. Do not use hazardous chemicals to clean or come into contact with the appliance.
18. Do not use the appliance in the presence of flammable substances or vapor such as alcohol, insecticides, petrol,etc.
19. Always contact a qualified person to carry out repairs. If the power supply cord is damaged, it must be replaced with a new power supply cord obtained from the product manufacturer and not repaired.
20. Hold the plug by the head of the power plug when taking it out.
21. Turn off the product when not in use.

A. IMPORTANT SAFETY AND GENERAL INFORMATION

A.3 Warning For Using R32 Refrigerant

For R32 refrigerant models:
1. Appliance shall be installed, operated and stored in a room with a floor area larger than 43 sq ft.
2. Appliance shall not be installed in an unventilated space, if that space is smaller than 43 sq ft.
3. Compliance with national gas regulations shall be observed.
4. Keep ventilation openings clear of obstruction.
5. The appliance shall be stored so as to prevent mechanical damage from occurring.
6. A warning that the appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
7. Any person who is involved with working on or opening a refrigerant system must be certified for refigerant handling as required by local, state, and federal regulations.
8. Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
9. Please follow the instruction carefully to handle, install, clear, and service the air conditioner to avoid any damage or hazard. Flammable Refrigerant R32 is used within air conditioner. When maintaining or disposing the air conditioner, the refrigerant (R32) shall be recovered properly, and shall not be discharged to air directly.
10. No any open fire or device like a switch which may generate spark/arcing shall be around the air conditioner to avoid causing ignition of the flammable refrigerant used.
11. Please follow the instruction carefully to store or maintain the air conditioner to prevent mechanical damage from occurring.
12. Flammable refrigerant R32 is used in air conditioner. Please follow the instruction carefully to avoid any hazard.
13. For specific information on the type of gas and the amount of refrigerant used, refer to the model nameplate on the unit.

⚠ CAUTION: Risk of fire/flammable materials
(Required for R32 units only)

⚠ WARNING: low burning velocity material
(For R32 models apply to IEC60335-2-40:2018)

Note about Fluorinated Gases

1. Fluorinated greenhouse gases are contained in hermetically sealed equipment. For specific information on the type, the amount and the Co2 equivalent in tonnes of the fluorinated greenhouse gas(on some models), please refer to the relevant label on the unit itself.
2. Installation, service, maintenance and repair of this unit must be performed by a certified technician.
3. Product uninstallation and recycling must be performed by a certified technician.

For Household Use Only Read And Save These Instructions

1. Transport of equipment containing flammable refrigerants:
See transport regulations.
2. Marking of equipment using signs:
See local regulations.
3. Disposal of equipment using flammable refrigerants:
See national regulations.
4. Storage of equipment/appliances:
The storage of equipment should be in accordance with the manufacturer's instructions.
5. Storage of packed (unsold) equipment:
Storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge. The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.
6. Information on servicing:
1) Checks to the area:
Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimized. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.
2) Work procedure:
Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapour being present while the work is being performed.
3) General work area:
All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.
4) Checking for presence of refrigerant:
The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.
5) Presence of fire extinguisher:
If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.
6) No ignition sources:
No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. No Smoking signs shall be displayed.
7) Ventilated area:
Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.
8) Checks to the refrigeration equipment:
Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance. The following checks shall be applied to installations using flammable refrigerants:
a. The charge size is in accordance with the room size within which the refrigerant containing
parts are installed;
b. The ventilation machinery and outlets are operating adequately and are not obstructed;
c. If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant; Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;
d. Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being

corroded or are suitably protected against being so corroded.
9) Checks to electrical devices:
Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.
Initial safety checks shall include:
a. That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
b. That there no live electrical components and wiring are exposed while charging, recovering or purging the system;
c. That there is continuity of earth bonding.
7. Repair to intrinsically safe components:
Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use. Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating.
Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.
8. Cabling:
Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.
9. Detection of flammable refrigerants
Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.
10. Leak detection methods:
The following leak detection methods are deemed acceptable for systems containing flammable refrigerants. Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed. Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work. If a leak is suspected, all naked flames shall be removed/extinguished. If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.
11. Removal and evacuation
When breaking into the refrigerant circuit to make repairs or for any other purpose conventional procedures shall be used. However, it is important that best practice is followed since flammability is a consideration. The following procedure shall be adhered to: Remove refrigerant; Purge the circuit with inert gas; Evacuate; Purge again with inert gas; Open the circuit by cutting or brazing. The refrigerant charge shall be recovered into the correct recovery cylinders.
The system shall be flushed with OFN to render the unit safe. This process may need to be repeated several times. Compressed air or oxygen shall not be used for this task. Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take place. Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.
12. Charging procedures:
In addition to conventional charging procedures, the following requirements shall be followed. Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them. Cylinders shall be kept upright. Ensure that the refrigeration system is earthed prior to charging the system with refrigerant. Label the system when charging is complete (if not already). Extreme care shall be taken not to overfill the refrigeration system. Prior to recharging the system it shall be pressure tested with OFN. The system shall be leak tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.
13. Decommissioning:
Before carrying out this procedure, it is essential that the technician is completely familiarwith the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.
a. Become familiar with the equipment and its operation.
b. Isolate system electrically.
c. Before attempting the procedure ensure that: Mechanical handling equipment is available, if required, for handling refrigerant cylinders; All personal protective equipment is available and being used correctly; The recovery process is supervised at all times by a competent person; Recovery equipment and cylinders conform to the appropriate standards.
d. Pump down refrigerant system, if possible.
e. If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
f. Make sure that cylinder is situated on the scales before recovery takes place.
g. Start the recovery machine and operate in accordance with manufacturer's instructions.
h. Do not overfill cylinders. (No more than 80 % volume liquid charge).
i. Do not exceed the maximum working pressure of the cylinder, even temporarily.
j. When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
k. Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.
14. Labeling:
Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.
15. Recovery:
When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely. When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders

A. IMPORTANT SAFETY AND GENERAL INFORMATION

for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labeled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs. The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt. The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged. Do not mix refrigerants in recovery units and especially not in cylinders. If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.
NOTE: Check the appliance regularly and refer to TROUBLESHOOTING or contact our customer support if it shows any of the following signs:
- Power cord or plug is damaged.
- Loud noise, unusual smell or excessive heat.

A. IMPORTANT SAFETY AND GENERAL INFORMATION

A.3 Importance of a Quality Installation

Optimal system performance and longevity depend upon a quality and proper installation. Failure to properly install this unit could result in undesirable operation and subsequent faults and potential failures.

Carefully follow all guidelines listed in the manual and industry best practices. Conform to all local code requirements. Contact your local technical representative with any questions or concerns.

A.4 Product Inspection / Packing List

Upon receiving the unit, inspect it for any damage from shipment. Claims for damage, either shipping or concealed, should be filed immediately with the shipping company. IMPORTANT: Check the unit model number, Cooling size, electrical characteristics, and accessories to determine if they are correct.

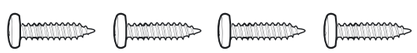
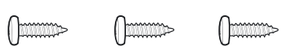
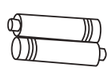
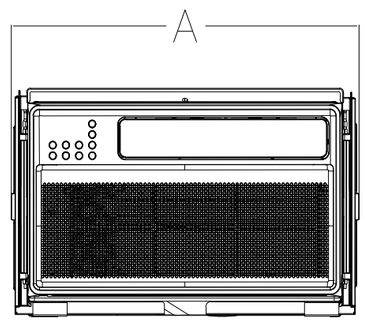
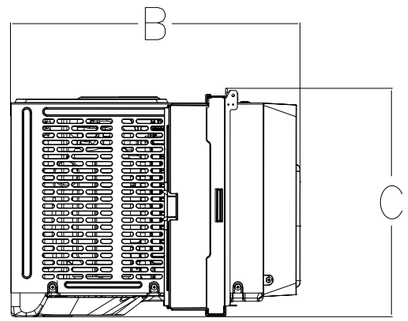
	Remote Control	1
	Long Foam Seal (Non-Adhesive)	1
	Long Foam Seal (Adhesive)	1
	Security Bracket	1
	3/4 " Screw	4
	1/2 " Screw	3
	Remote Control Battery	2
	Plasticene	1
	Short Lock bracket (optional)	2
	Long Lock Bracket (optional)	2

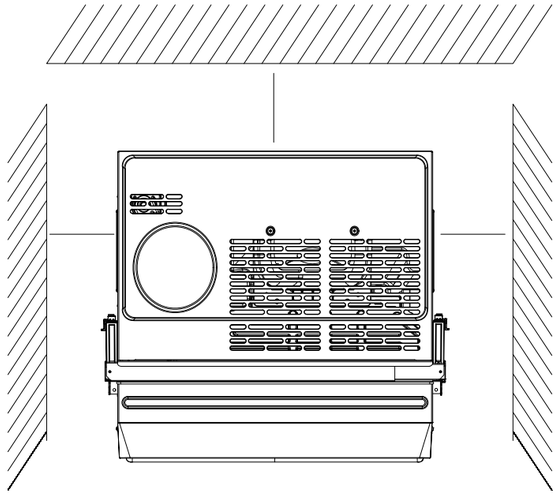
Figure A.4 (Packing List)

B. SPECIFICATIONS

B.1 Dimensions







Model	A	B	C	Minimum Window Size	Maximum Window Size
CCV08A10A	20 5/8"	19 1/4"	13 3/8"		
CCV10A10A	20 5/8"	19 1/4"	13 3/8"		
CCV12A10A	20 5/8"	19 1/4"	13 3/8"		

Figure B.1

C. INSTALLATION OF THE UNIT

C.1 Pre-Installation Checkpoints

C.1.1 Before attempting any installation, carefully consider the following points:

- Clearances and provision for servicing. Install this unit in accordance with local and national standards. Any and all work must be done by authorized personnel.
- IMPORTANT: Before you begin the actual installation of your air conditioner, check your local electrical codes and the information below. Your air conditioner must be connected to a power source with the same alternating current (A.C.) voltage and amperage as marked on the name plate located on the chassis. Only A.C. can be used. Direct Current (D.C.) cannot be used.
- CIRCUIT PROTECTION – Use on single outlet circuit only. An overloaded circuit will invariably cause malfunction or failure of an air conditioner; therefore, it is necessary that the electrical protection is adequate. Due to momentary high current demand when the air conditioner starts, use a "TIME DELAY" fuse or a HACR type circuit breaker. Consult your dealer or power company if in doubt.
- Refer to the electrical name plate located on the air conditioner chassis (see Table E.1 to determine the correct fuse or circuit breaker amperage for your model.
- The power cord has a plug with a grounding prong and a matching receptacle is required

C.1.2 Important Considerations

1. Before installing the appliance, you must read the manual carefully to get the safety information and notes.
2. Unit refrigerant charge amount: refer to unit name plate marking.
3. A leak test must be done after the installation is completed.
4. A safety inspection is required before maintaining or repairing an air conditioner using combustible refrigerant in order to ensure that the fire risk is reduced to a minimum.
5. It is necessary to operate the machine under a controlled procedure in order to ensure that any risk arising from the combustible gas or vapor during the operation is reduced to minimum.



C.1.3 Introduction to R32 Refrigerants

1.Site Safety



Open Flames Prohibited



Ventilation Necessary

2.Operation Safety



Mind Static Electricity



Must Wear Protective Clothing and Anti-Static Gloves



Don't Use Mobile Phone

3.Installation Safety

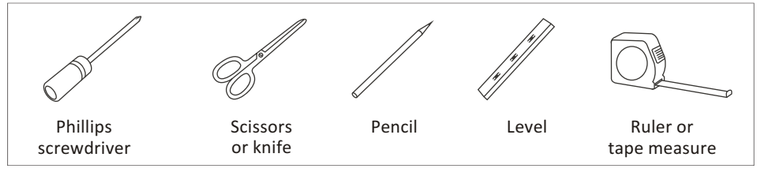


- Refrigerant Leak Detector
- Appropriate Installation Location
- The picture on the left is a refrigerant leak detector.

C.1.4 Additional Notes:

1. The installation site should be in a well-ventilated condition.
2. The sites for installing and maintaining an air conditioner using Refrigerant R32 should be free from open fire or welding, smoking, drying oven or any other heat source higher than 1000˚F which easily produces open fire.
3. When installing an air conditioner, it is necessary to take appropriate anti-static measures such as wear anti-static clothing and/or gloves.
4. It is necessary to choose the site convenient for installation or maintenance wherein the air inlets and outlets of the indoor and outdoor units should be not surrounded by obstacles or close to any heat source or combustible and/or explosive environment.
5. If the indoor unit suffers refrigerant leak during the installation, all the personnel should go out till the refrigerant leaks completely for 15 minutes. If the product is damaged, it is a must to carry such damaged product back to the maintenance station and it is prohibited to weld the refrigerant pipe or conduct other operations on the user's site.
6. It is necessary to choose the place where the inlet and outlet air of the indoor unit is even.

C.2 Tools Required



1. scissors or knife
2. Gloves
3. Carpenters Level
4. #2 Phillips Screw Driver
5. pencil
6. tape measure

C.3. Choosing a Location Installation Clearances

Improper installation of the Air Condtioner can cause poor performance and premature wear of the unit.
Ensure that the unit is installed with proper clearances as described below.
Ensure no obstructions or enclosures are within clearances limits to allow for proper airflow.
Ensure no open flames, or surfaces that will exceed 1000 degrees farenheit are within 3 feet of the unit.
Observe all warnings in this manual when choosing a location for your air conditoner.

Clearances

Top and Bottom of Unit - One (1) foot
Sides of Unit - One (1) foot
Front of Unit - Three (3) feet
Rear of Unit - Three (3) feet

⚠WARNING



Electrical Shock Hazard

Make sure your electrical receptacle has the same configuration as your air conditioner's plug. If different, consult a Licensed Electrician.

Do not use plug adapters.
Do not use an extension cord.
Do not remove ground prong.

Always plug into a grounded 3 prong oulet.
Failure to follow these instructions can result in death, fire, or electrical shock.
Do Not touch the appliance with wet or damp hands or when barefoot.

⚠WARNING



Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

The appliance shall be stored in a room without continuosly operating ignition sources.
(for example; open flames, an operating gas appliance, or an operating electric heater).

Do Not Pierce or Burn

Be aware that refrigerants may not contain an odor

⚠WARNING



Fire Hazard

A2L refrigerant is classified as mildly flammable. Do not install unit next open flame sources, or surfaces that will exceed 1000 degrees farenheit.

⚠WARNING



Refigeration System Under High Pressure

Do not puncture, heat, expose to flame or incinerate.
Only certified refrigeration technicians should service this equipment.
R32 systems operate at higher pressures than R22 equipment.
Appropriate safe service and handling practices must be used.

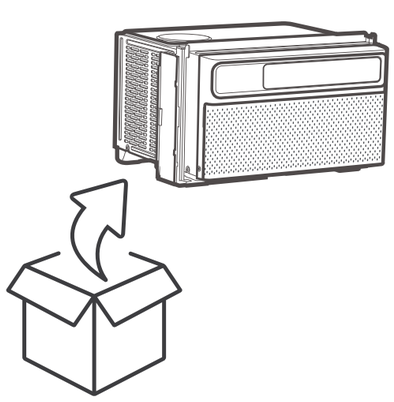
C. INSTALLATION OF THE UNIT

C.4 Window Installation
C.4.1 Remove the Packaging

⚠ CAUTION:

Heavy object. Team handling is required during the installation process.
When handling the unit, be careful to avoid cuts from the sharp metal edges and aluminum fins on the front and rear coils.

1. Removing All the Packaging
Carefully remove all the packaging straps and wraps from the air conditioner and accessories.



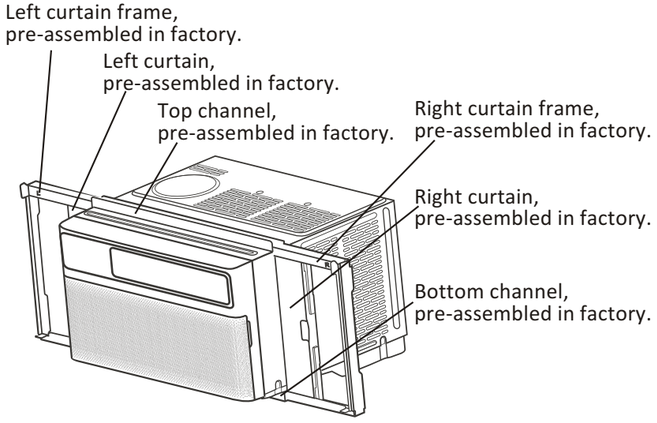


Figure C.4.1

C.4.2 Applying the Adhesive Foam Seal

Measure the length of the upper window frame, trim the adhesive foam seal to the appropriate length and apply as shown.

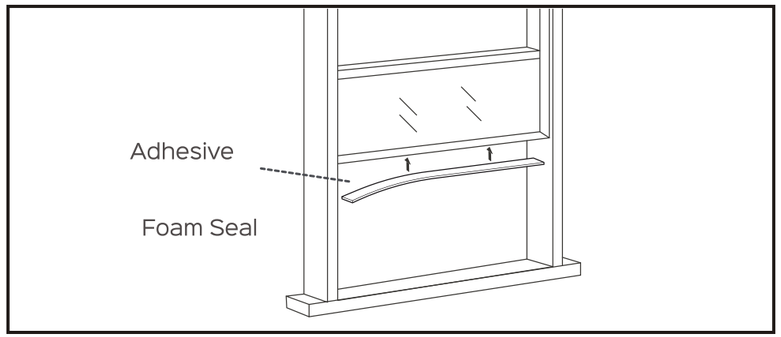


Figure C.4.2

C.4 Window Installation (Continued)
C.4.3 Placing Inside An Open Window

Carefully lift the air conditioner with a helper to the windowsill and pull down the sash, making sure the air conditioner is centered and its bottom rail is flush against the windowsill.

NOTE: The air conditioner should be tilted about 3˚ for better drainage of condensate and rainwater. Use a level: about 1/3 bubble willshow correct slant.

⚠ CAUTION



Excessive Weight Hazard

Use two or more people when installing your air conditioner. Failure to do so can result in back or other injury.

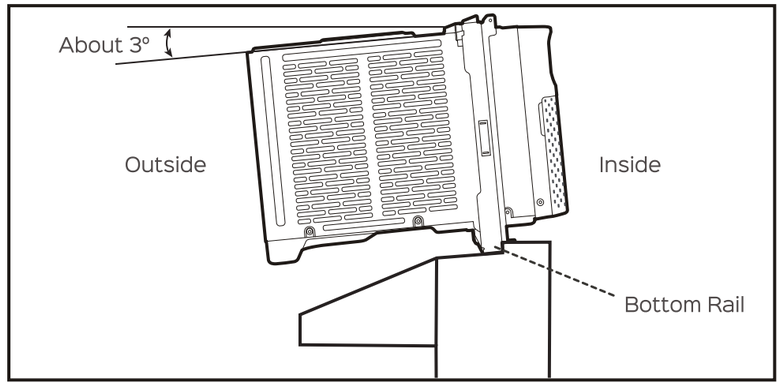


Figure C.4.3

C.4.4 Securing the Side Brackets

Extend the side brackets from both sides of the air conditioner onto the left and right window frames and secure by installing four 3/4'' screws as shown.

NOTE: Install the upper screws first, then the lower screws.

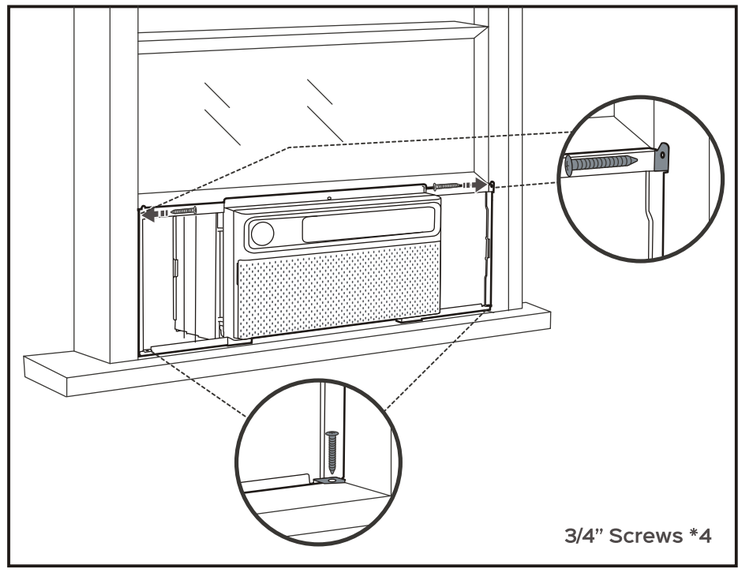


Figure C.4.4

C.4 Window Installation (Continued)
C.4.5 Securing the Side Panels

Pull the side panels inwards to align with the brackets, then secure onto the sides by snapping the jutting points onto the locking pins.

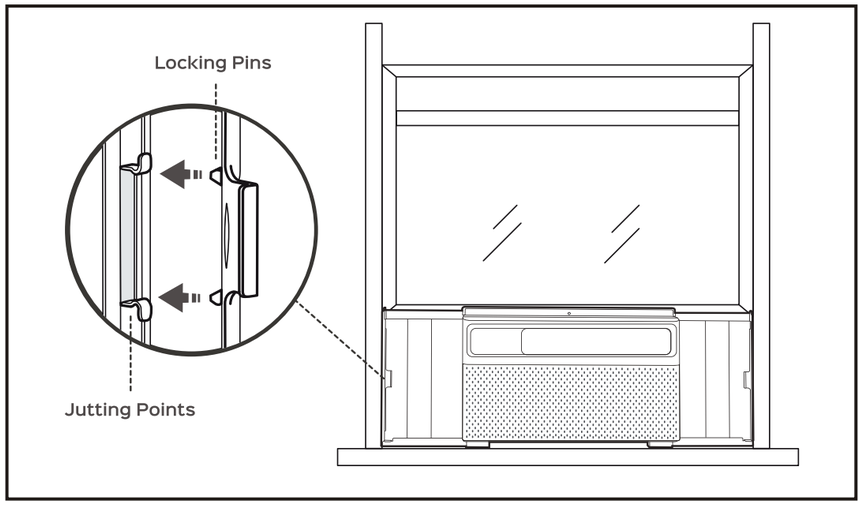


Figure C.4.5

C.4.6 Sealing the Crevices with Plasticene (Optional)

Fill the crevices between the side brackets and panels with the included plasticene.

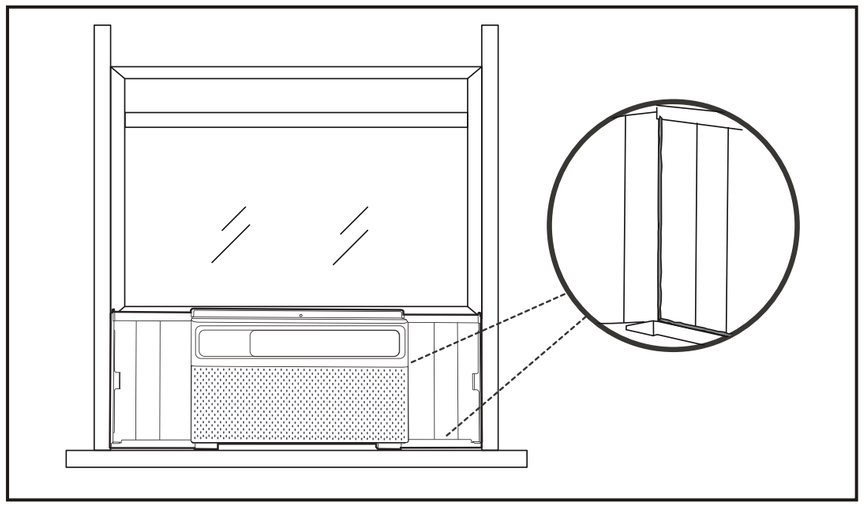


Figure C.4.6

C.4 Window Installation (Continued)
C.4.7 Installing the Screw Into the Top Rail

Install the 1/2'' screw into the top rail of the air conditioner.

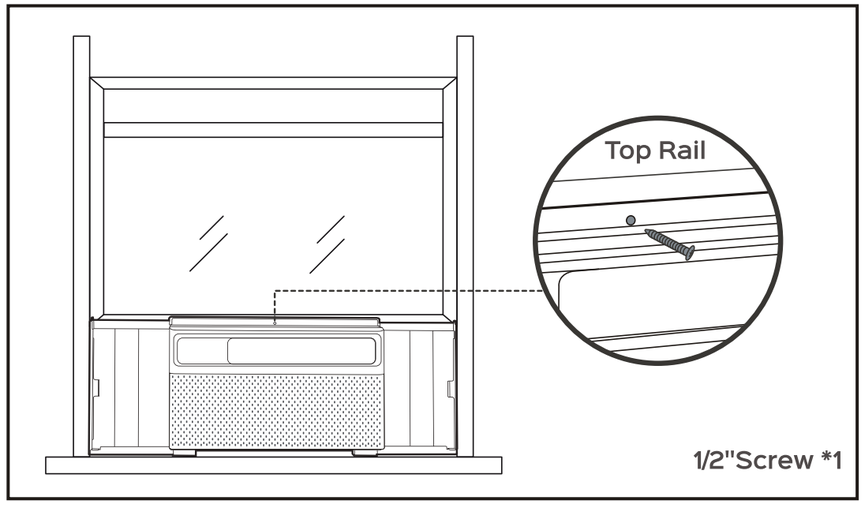


Figure C.4.7

C.4.8 Installing the Security Bracket

Attach the security bracket on top of the window sash and secure with two 1/2'' screws.

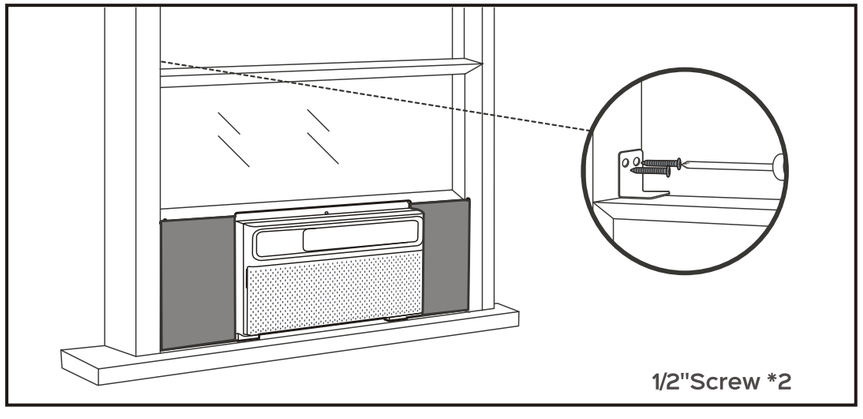


Figure C.4.8

C.4 Window Installation (Continued)
C.4.9 Trim the Seal

Trim the non adhesive foam seal to the appropriate length and insert between the window sashes.

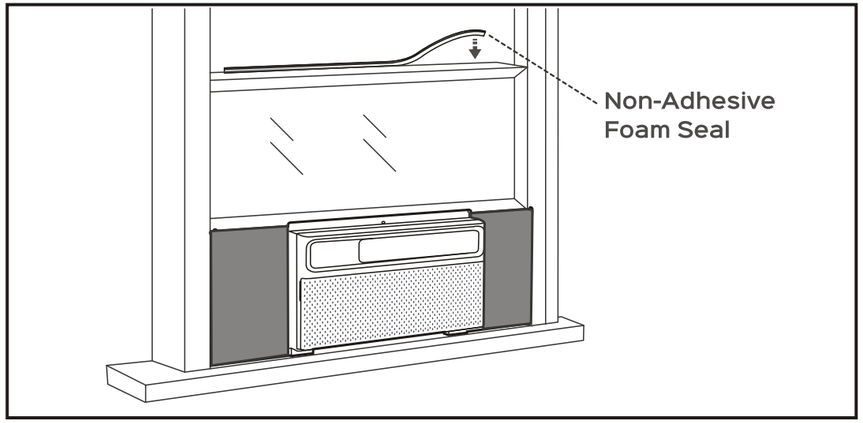


Figure C.4.9

C.4.10 If AC Is Blocked By Storm Window

1. Add wood as shown, or remove storm window before air conditioner is installed.
2. If Storm Window Frame must remain, be sure the drain holes or slots are not caulked or painted shut.
Accumulated Rain Water or Condensate must be allowed to drain out.

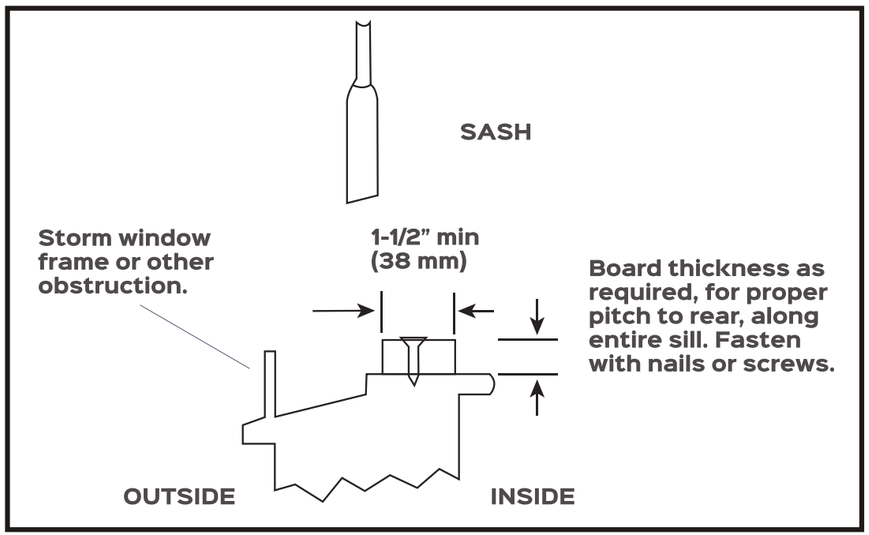


Figure C.4.10

C.4 Window Installation (Continued)
C.4.11 Alternate Bracket Installation

Some window frames may be too thin or too thick to be properly secured using the regular procedure.
If that is the case, you may need to use the back-up lock brackets to properly secure the unit.

If the AC unit can not be properly secures by the steel frame holes, you must use the back-up lock brackets.
For example, if you have an aluminum alloy window.

1. Install the screw into the top channel of the AC unit, and screw into the window frame.
2. Select two suitable back-up using lock brackets. Attach them at the bottom of steel frame near the sides with screws.
3. If needed, you can use the other two back-up using lock brackets for exta security near top area.

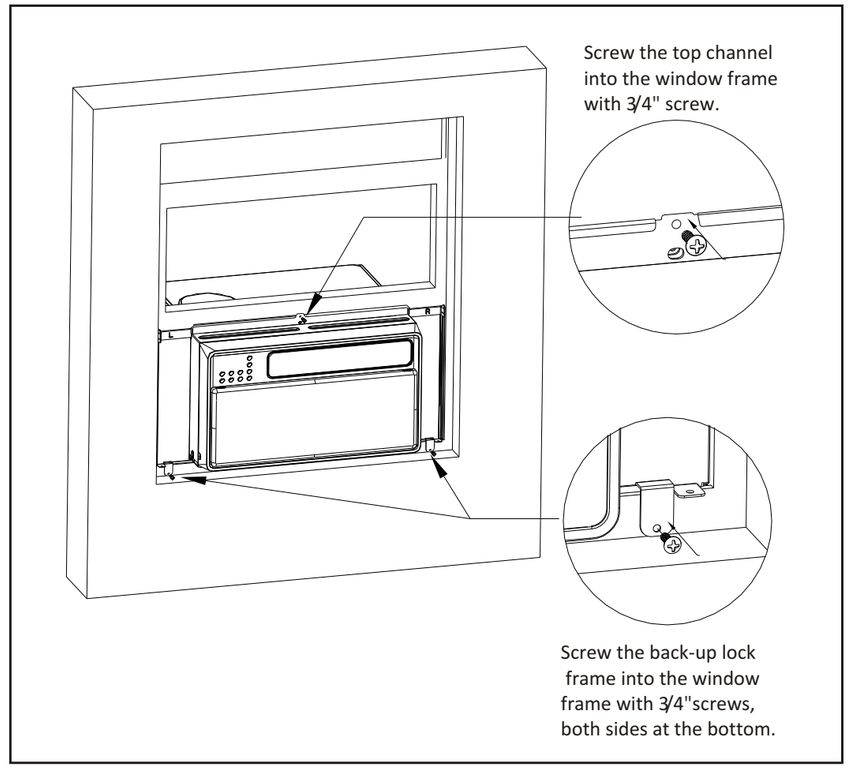


Figure C.4.11

E. ELECTRICAL

E.1 Electrical Safety Information

⚠WARNING



Electrical Shock Hazard

Make sure your electrical receptacle has the same configuration as your air conditioner's plug. If different, consult a Licensed Electrician.

Do not use plug adapters.
Do not use an extension cord.
Do not remove ground prong.

Always plug into a grounded 3 prong oulet.
Failure to follow these instructions can result in death, fire, or electrical shock.
Do Not touch the appliance with wet or damp hands or when barefoot.

Make sure the wiring is adequate for your unit.

If you have fuses, they should be of the time delay type. Before you install or relocate this unit, be sure that the amperage rating of the circuit breaker or time delay fuse does not exceed the amp rating listed in Table 1.

DO NOT use an extension cord.

The cord provided will carry the proper amount of electrical power to the unit; an extension cord may not.

Make sure that the receptacle is compatible with the air conditioner cord plug provided.

Proper grounding must be maintained at all times. Two prong receptacles must be replaced with a grounded receptacle by a certified electrician.

The grounded receptacle should meet all national and local codes and ordinances. You must use the three prong plug furnished with the air conditioner. Under no circumstances should you remove the ground prong from the plug.

Table E.1

MODEL	CIRCUIT RATING OR TIME DELAY FUSE		REQUIRED WALL RECEPTACLE	
	AMP	VOLT	NEMA NO.	
CCV08, CCV10, CCV12	15	125	5-15R	

E.2 Testing the Power Cord

All Friedrich room air conditioners are shipped from the factory with a Leakage Current Detection Interrupter (LCDI) equipped power cord. The LCDI device on the end of the cord meets the UL and NEC requirements for cord connected air conditioners.

To test your power supply cord:

1. Plug power supply cord into a grounded 3 prong outlet.
2. Press RESET (see Figure E.2).
3. Press TEST, listen for click; the RESET button trips and pops out.
4. Press and release RESET (Listen for click; RESET button latches and remains in). The power cord is ready for use.

Once plugged in, the unit will operate normally without the need to reset the LCDI device. If the LCDI device fails to trip when tested or if the power supply cord is damaged, it must be replaced with a new power supply cord from the manufacturer..

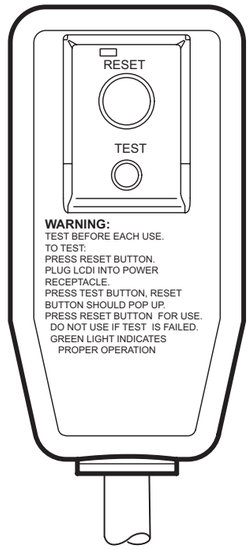
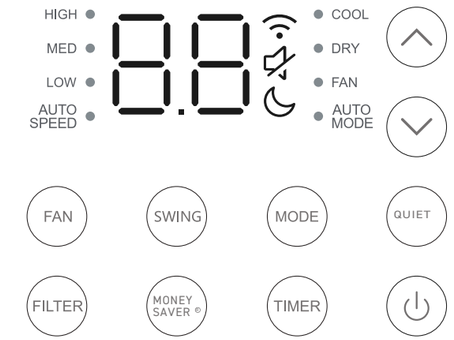


Figure E.2

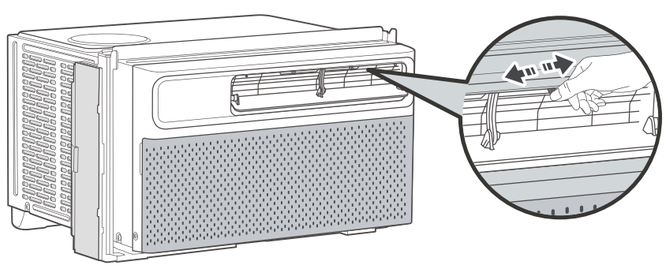
J. STARTUP AND OPERATION

J.1 Control Panel Operation



Power	Turn on the air conditioner or switch to standby.
FAN Fan Speed	Adjust fan speed (Low, Med, High, Auto) NOTE: Fan speed setting is available in Auto, Cool, and Fan modes only.
SWING Swing/ Oscillation	Select to adjust the airflow direction by swinging the louver vertically.
Decrease	Decrease the air conditioning temperature.
Increase	Increase the air conditioning temperature.
MODE	Switch between Cool/Dry/Fan/Auto mode.
FILTER	Remind to clean the dust filter.
MONEY SAVER ©	Turn on/off the ECO mode, under Cool/Dry mode.
TIMER	Timer on or Timer off the unit.
QUIET	Turn on/off the MUTE mode.
COOL DRY FAN AUTO MODE	Indicates Cool, Dry, Fan, and Auto mode, respectively.
	Indicates the unit is in Sleep mode.
	Indicates the unit is in MUTE mode.
	Indicates that there is a WiFi connection
HIGH MED LOW AUTO SPEED	Indicates Low, Medium, High, and Automatic fan speeds, respectively.

J.1 Control Panel Operation(Continued)

Power Button	Press to turn on the air conditioner or switch it to standby mode.
Increase Button	Press to increase the air conditioning temperature by 1°F/°C.
Decrease Button	Press to decrease the air conditioning temperature by 1°F/°C.
Swing/ Oscillation Button	1.Press to make the louver move up and down. 2.Press again to stop the louver at the desired angle. **NOTE:** To adjust the airflow direction horizontally, manually move the levers located on top of the air outlet from side to side. **NOTE:** Do not adjust the big vertial louver by hand, otherwise will cause damage. 
Fan Speed Button	**Adjust Fan Speed** Press repeatedly to adjust fan speed: Low, Med, High, and Auto. **Reset Filter Reminder** To clean the filter, see page 19.

NOTE:
- In Auto speed, fan speed will adapt to the room temperature.
- In Dry Mode, fan speed cannot be adjusted.

J.1 Control Panel Operation

Mode Button	Press repeatedly to cycle through Cool, Dry, Fan and Auto modes. **Cool Mode** - In Cool mode, the air conditioner cools the room to the desired temperature. - Temperature and fan speed are adjustable. **Dry Mode** - In Dry mode, the air conditioner works as a dehumidifier to remove humidity in the room. The fan is constantly running at a low speed. - Temperature and fan speed cannot be adjusted, **Fan Mode** - In Fan mode, the air conditioner circulates air like a normal fan. Remember to open the vent during this function,but keep it closed during cooling for maximum cooling efficiency - Fan speed can be set to Low, med, or High. - Temperature cannot be adjusted. Auto Mode - In Auto mode, the air conditioner adjusts its working mode (Cool or Fan) automatically based on the room temperature. - Temperature and fan speed cannot be adjusted.
Timer Button (On Remote Control)	- When the air conditioner is on standby/running, press the Timer button and its icon will flash on the remote display. During the flashing process, press = or - to select a timer from 0.5 to 24 hours, then press the Timer button again to confirm the setting. After the timer ends, the air conditioner will start/stop running automatically. - Turning the air conditioner ON or OFF at anytime or adjusting the timer setting to 0.0 hour will cancel the timer program.
Eco Mode Button (On Remote Control)	In Eco mode, when the desired temperature is reached, the compressor will turn off and the fan will continue to run for 3 minutes. Then the fan cycles on from 1 to 5 minute intervals until the room temperature is above the set temperature, at which time the compressor turns back on and cooling restarts.

J.1 Control Panel Operation(Continued)

Sleep Mode Button (On Remote Control)	In Sleep mode, the air conditioning temperature will adjust gradually every 30 minutes to keep you comfortable while preventing overcooling. After 10 hours, Sleep mode will exit automatically and the temperature will return to the initial temperature. **NOTE:** In Sleep mode, all the button sounds will be muted, and all the indicators on the display will turn off after 15 seconds, except for the Sleep mode indicator.
LED Display Button (On Remote Control)	- Turn on or off the display on the air conditioner. - Long press 5 seconds to switch between °F/°C.

Other Features

Filter Reminder

When the running time of the fan reaches 500 hours, the filter reminder will light up to remind you to clean the filter. To clean the filter, see section R.1.

Display Auto Off

- Display will dim after 30 seconds (off after 15 seconds in sleep mode).
- Wake up the display with any button.

Memory

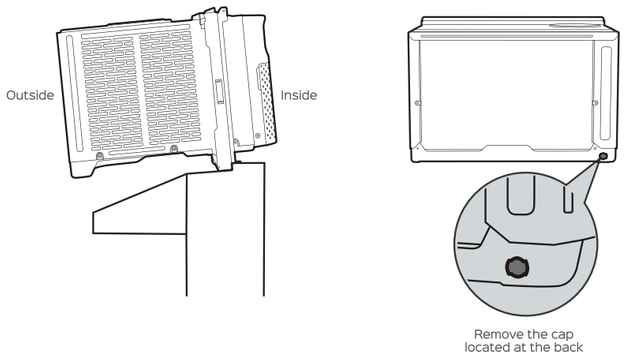
If the air conditioner is turned OFF and stays connected to the power, it will operate under the previous settings (except the timer setting) when it is turned ON again.

Drain Water

After proper installation, condensate will not overflow during normal use.

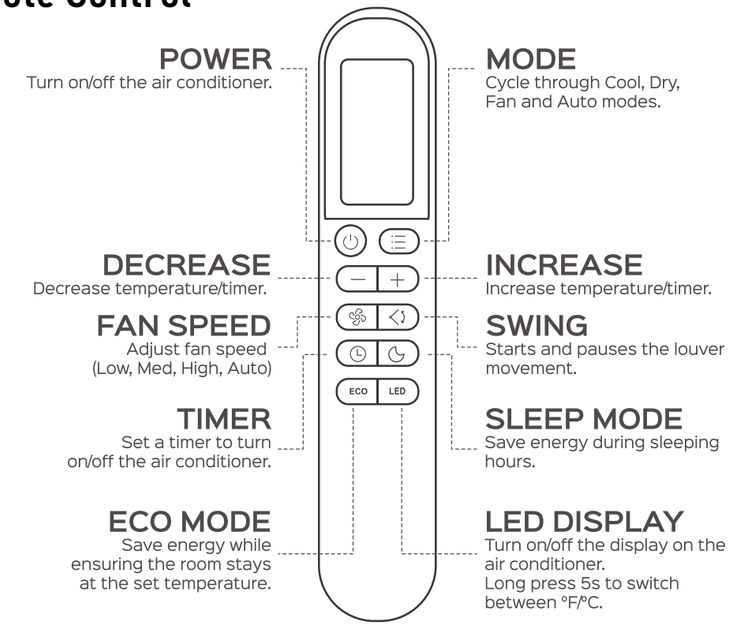
If the fan hits the built-up water and the sound annoys you, please remove the cap located at the back of the air conditioner to drain the water away.

NOTE: Removing the cap may affect the heat transfer efficiency.



J.2 Remote Control Operation

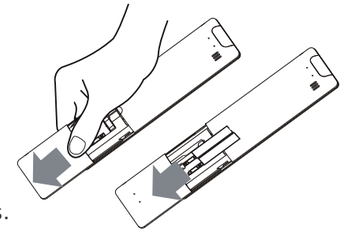
Remote Control



Battery Replacement

Your air conditioner may come with two batteries. Put the batteries in the remote control before use.

1. Slide the back cover from the remote control downward, exposing the battery compartment.
2. Insert the batteries, paying attention to match up the (+) and (-) ends of the batteries with the symbols inside the battery compartment.
3. Slide the battery cover back into place.



NOTE:

For optimum product performance:

- Do not mix old and new batteries, or batteries of different types.
- Do not leave batteries in the remote control if you don't plan on using the device for more than 2 months.

DISPOSAL

Do not dispose of batteries as unsorted municipal waste. Refer to local laws for proper disposal of batteries.

TIPS FOR USING REMOTE CONTROL

- The remote control must be used within 25 feet of the unit.
- The unit will beep when remote signal is received.
- Curtains, other materials and direct sunlight can interfere with the infrared signal receiver
- Remove batteries if the remote will not be used more than 2 months.

J. STARTUP AND OPERATION

J.2 Remote Control Operation

Meaning of symbols on the liquid crystal display.

1	or or AUTO	FEEL mode indicator
2	or COOL	COOLING indicator
3	or or DRY	DEHUMIDIFYING indicator
4	or FAN	FAN ONLY OPERATION indicator
5	or	SIGNAL RECEPTION indicator
6	or TIMER or or or TIMER	TIMER OFF indicator
7	or TIMER or or or TIMER	TIMER ON indicator
8	AUTO or or (FLASH) or (FLASH) Flashing	AUTO FAN indicator
9	or or or or or	LOW FAN SPEED indicator
10	or or or or or	MIDDLE FAN SPEED indicator
11	or or or or	HIGH FAN SPEED indicator
12	QUIET or or or or SLEEP	SLEEP indicator
13	or or or	FLAP SWING indicator
14	or ECO or	ECO indicator
15	or or	BATTERY indicator
16		Mute indicator

J.5 Start-up

This is a warm weather appliance

Your air conditioner is designed to cool in warm weather when the outside temperature is above 60°F (15.6°C) and below 115°F (46.1°C), so it won't cool a room if it is already cool outside.

Condensation is normal

Air conditioners actually pump the heat and humidity from your room to the outside. Humidity becomes water, and your air conditioner will use most of the water to keep the outside coil cool. If there is excessive humidity, there may be excess water that will drip outside. This is normal operation.

Frosting

This usually occurs because of insufficient airflow across the coils, a dirty filter, cool damp weather, or all these. Set the SYSTEM mode to FAN ONLY and the frost will disappear. Setting the thermostat a little warmer will probably prevent the frosting from recurring.

Noises

All air conditioners make some noise. Friedrich units are designed to operate as quietly as possible. An air conditioner mounted in a wall is quieter than one mounted in a window. It is important to ensure that the chassis seal gasket (Item 13) is properly installed (refer to the Installation Instructions).

L. WiFi

Use a QR Reader on your phone to Scan this QR Code. It will take you to the Wifi Instructions page of our website..

FriedrichGo

M. TROUBLESHOOTING

M.1. Troubleshooting Tips

COMPLAINT	CAUSE	SOLUTION
Unit does not operate.	• The unit is turned to the off position, or the thermostat is satisfied.	• Turn the unit to the on position and raise or lower temperature setting (as appropriate) to call for operation.
	• The LCDI power cord is unplugged.	• Plug into a properly grounded 3 prong receptacle. See "Electrical Rating Tables" on Page 6 for the proper receptacle type for your unit.
	• The LCDI power cord has tripped (Reset button has popped out).	• Press and release RESET (Listen for click. Reset button latches and remains in.) to resume operation.
	• The circuit breaker has tripped or the supply circuit fuse has blown.	• Reset the circuit breaker, or replace the fuse as applicable. If the problem continues, contact a licensed electrician.
	• There has been a local power failure.	• The unit will resume normal operation once power has been restored. There is a protective time delay (approx.3 minutes) to prevent tripping of the compressor overload. For this reason, the unit may not start normal cooling for 3 minutes after it is turned back on.
Unit Trips Circuit Breaker or Blows Fuses.	• Other appliances are being used on the same circuit.	• The unit requires a dedicated outlet circuit, not shared with other appliances.
	• An extension cord is being used.	• Do NOT use an extension cord with this or any other air conditioner.
	• The circuit breaker or time-delay fuse is not of the proper rating.	• Replace with a circuit breaker or time-delay fuse of the proper rating. See "Electrical Rating Tables" on Page 6 for the proper circuit breaker/fuse rating for your unit. If the problem continues, contact a licensed electrician.
LCDI Power Cord Trips (Reset Button Pops Out).	• The LCDI power cord can trip (Reset button pops out) due to disturbances on your power supply line.	• Press and release RESET (Listen for click. Reset button latches and remains in.) to resume normal operation.
	• Electrical overload, overheating, or cord pinching can trip (Reset button pops out) the LCDI power cord.	• Once the problem has been determined and corrected, press and release RESET (Listen for click. Reset button latches and remains in.) to resume normal operation.
	NOTE: A damaged power supply cord must be replaced with a new power supply cord obtained from the product manufacturer and must not be repaired.	
Unit Does Not Cool Room Sufficiently, or Cycles On And Off Too Frequently.	• The return/discharge air grille is blocked.	• Ensure that the return and/or discharge air paths are not blocked by curtains, blinds, furniture, etc.
	• Windows or doors to the outside are open.	• Ensure that all windows and doors are closed.
	• The temperature is not set at a cool enough enough setting.	• Adjust the Temperature control to a cooler or warmer setting as necessary.
	• The filter is dirty or obstructed.	• Clean the filter, (see Routine Maintenance), or remove obstruction.
	• The indoor coil or outdoor coil is dirty or obstructed.	• Clean the coils, (see Routine Maintenance), or remove obstruction.
	• There is excessive heat or moisture (cooking, showers, etc.) in the room.	• Be sure to use exhaust vent fans while cooking or bathing and, if possible, try not to use heat producing appliances during the hottest part of the day.
	• The temperature of the room you are trying to cool is extremely hot.	• Allow additional time for the air conditioner to cool off a very hot room.

M. TROUBLESHOOTING

COMPLAINT	CAUSE	SOLUTION
Unit Does Not Cool Room Sufficiently, or Cycles On And Off Too Frequently (continued).	• The outside temperature is below 60 °F (16 °C).	• Do not try to operate your air conditioner in the cooling mode when the outside temperature is below 60 °F (16 °C). The unit will not cool properly, and the unit may be damaged.
	• The digital control is set to fan cycling mode.	• Since the fan does not circulate the room air continuously at this setting, the room air does not mix as well and hot (or cold) spots may result. Using the continuous fan setting is recommended to obtain optimum comfort levels.
	• The air conditioner has insufficient cooling capacity to match the heat gain of the room.	• Check the cooling capacity of your unit to ensure it is properly sized for the room in which it is installed. Room air conditioners are not designed to cool multiple rooms.
	• The air conditioner has insufficient heating capacity to match the heat loss of the room.	• Check the heating capacity of your unit. Air conditioners are sized to meet the cooling load, and heater size is then selected to meet the heating load. In extreme northern climates, room air conditioners may not be able to be used as a primary source of heat.
Unit Runs Too Much.	• This may be due to an excessive heat load in the room.	• If there are heat producing appliances in use in the room, or if the room is heavily occupied, the unit will need to run longer to remove the additional heat.
	• It may also be due to an improperly sized unit.	• Be sure to use exhaust vent fans while cooking or bathing and, if possible, try not to use heat producing appliances during the hottest part of the day.
	• This may be normal for higher efficiency (EER) air conditioners.	• The use of higher efficiency components in your new air conditioner may result in the unit running longer than you feel it should. This may be more apparent, if it replaced an older, less efficient, model. The actual energy usage, however, will be significantly less when compared to older models.
	• You may notice that the discharge air temperature of your new air conditioner may not seem as cold as you may be accustomed to from older units. This does not; however, indicate a reduction in the cooling capacity of the unit.	• The energy efficiency ratio (EER) and cooling capacity rating (Btu/ h) listed on the unit's rating plate are both agency certified.
Noise when the unit starts.	• A "da-da" sound may occur for 30 seconds when the unit is turned on due to the compressor starting.	• This is normal.

For advanced troubleshooting and repair by qualified service technicians:

Scan this QR code to be linked to our professional support page where you can locate the Service Manual.

R . INFORMATION FOR THE OWNER

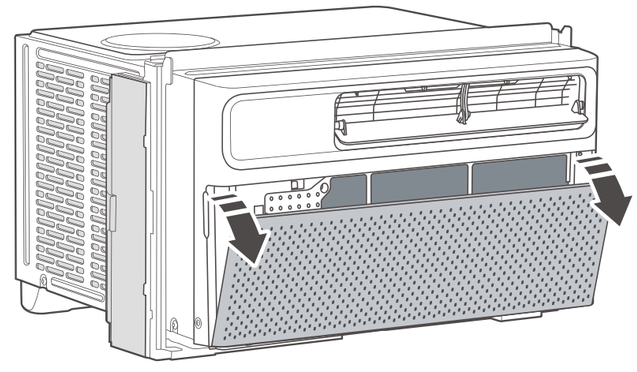
R.1 Maintenance

Care and Cleaning

Clean your air conditioner occasionally to keep it looking new. Be sure to unplug the unit before cleaning to prevent shock or fire hazards.

Air Filter Cleaning

The air filter should be checked at least once every month to see if it needs cleaning. Never use hot water over 104˚F (40˚C) to clean the air filter. Never attempt to operate the unit without the air filter.
Trapped particles and dust can build up in the filter and may decrease airflow as well as cause the cooling coils to accumulate frost.
To clean the air filter:
1. Pull the grille out from the indents on both sides at the front and remove the filter inside.
2. Wash the filter using liquid dish soap and warm water. Rinse the filter thoroughly. Gently shake the filter to remove excess water.
3. Let the filter dry completely before placing it into the air conditioner.
4. If you do not wish to wash the filter, you may vacuum the filter to remove the dust and other particles.



Cabinet Cleaning

To clean the air conditioner cabinet:
- Unplug the air conditioner to prevent shock or a fire hazard. The cabinet and front panel of the air conditioner may be dusted with an oil free cloth or washed with a cloth dampened in a solution of warm water and mild liquid soap. Rinse thoroughly with a damp cloth and wipe dry.
- Never use harsh cleaners, wax or polish on the cabinet front.
- Be sure to wring excess water from the cloth before wiping around the controls. Excess water in or around the controls may cause damage to the air conditioner.

Winter Storage

To store the air conditioner when it is not in use for an extended period of time, remove it carefully from the window according to the installation instructions and cover it with plastic or place it in the original box.

R. INFORMATION FOR THE OWNER

R.2 Warranty



Friedrich Air Conditioning Company
10001 Reunion Place, Suite 500
San Antonio, TX 78216
800.541.6645
www.friedrich.com

ROOM AIR CONDITIONERS LIMITED WARRANTY

FIRST YEAR

ANY PART: If any part supplied by FRIEDRICH fails because of a defect in workmanship or material within twelve months from date of original purchase, FRIEDRICH will repair the product at no charge, provided room air conditioner is reasonably accessible for service. Any additional labor cost for removing inaccessible units and/or charges for mileage related to travel by a Service Agency that exceeds 25 miles one way will be the responsibility of the owner. This remedy is expressly agreed to be the exclusive remedy within twelve months from the date of the original purchase.

SECOND THROUGH FIFTH YEAR

SEALED REFRIGERANT SYSTEM: If the Sealed Refrigeration System (defined for this purpose as the compressor, condenser coil, evaporator coil, reversing valve, check valve, capillary, filter drier, and all interconnecting tubing) supplied by FRIEDRICH in your Room Air Conditioner fails because of a defect in workmanship or material within sixty months from date of purchase, FRIEDRICH will pay a labor allowance and parts necessary to repair the Sealed Refrigeration System; **PROVIDED** FRIEDRICH will not pay the cost of diagnosis of the problem, removal, freight charges, and transportation of the air conditioner to and from the Service Agency, and the reinstallation charges associated with repair of the Sealed Refrigeration System. All such cost will be the sole responsibility of the owner. This remedy is expressly agreed to be the exclusive remedy within sixty months from the date of the original purchase.

APPLICABILITY AND LIMITATIONS: This warranty is applicable only to units retained within the Fifty States of the U.S.A., District of Columbia, and Canada. This warranty is not applicable to:

1. Air filters, fuses, batteries and the front grille removal tool.
2. Products on which the model and serial numbers have been removed.
3. Products which have defects or damage which results from improper installation, wiring, electrical current characteristics, or maintenance; or caused by accident, misuse or abuse, fire, flood, alterations and/or misapplication of the product and/or units installed in a corrosive atmosphere, default or delay in performance caused by war, government restrictions or restraints, strikes, material shortages beyond the control of FRIEDRICH, or acts of God.

OBTAINING WARRANTY PERFORMANCE: Service will be provided by the **FRIEDRICH Authorized Dealer or Service Organization** in your area. They are listed in the Yellow Pages. If assistance is required in obtaining warranty performance, write to: Room Air Conditioner Service Manager (the Friedrich address is at the top of this warranty) or email tac@friedrich.com.

LIMITATIONS: THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES. Anything in the warranty notwithstanding, ANY IMPLIED WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE AND/OR MERCHANTABILITY SHALL BE LIMITED TO THE DURATION OF THIS EXPRESS WARRANTY. MANUFACTURER EXPRESSLY DISCLAIMS AND EXCLUDES ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGE FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY.

Performance of Friedrich's Warranty obligation is limited to one of the following methods:

1. Repair of the unit
2. A refund to the customer for the prorated value of the unit based upon the remaining warranty period of the unit.
3. Providing a replacement unit of equal value

The method of fulfillment of the warranty obligation is at the sole discretion of Friedrich Air Conditioning.

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

OTHER: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

PROOF OF PURCHASE: Owner must provide proof of purchase in order to receive any warranty related services.

All service calls for explaining the operation of this product will be the sole responsibility of the consumer.

All warranty service must be provided by an **Authorized FRIEDRICH Service Agency**, unless authorized by FRIEDRICH prior to repairs being made.

(9-12)