



AIR CONDITIONING SYSTEMS

MULTI SPLIT SYSTEM

- USER'S & INSTALLATION MANUAL
- ΕΓΧΕΙΡΙΔΙΟ ΧΡΗΣΗΣ & ΕΓΚΑΤΑΣΤΑΣΗΣ
- MANUAL UTILIZATORULUI & INSTALLARE



MODELS:

PFVI32-09WF/PFVO32-09
PFVI32-12WF/PFVO32-12
PFVI32-18WF/PFVO32-18
PFVI32-24WF/PFVO32-24



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Note: All the illustrations in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail. They are subject to change without notice for future improvement.

WARNING: This air conditioner uses R32 flammable refrigerant.

Notes: Air conditioner with R32 refrigerant, if roughly treated, may cause serious harm to the human body or surrounding things.

- * The room space for the installation, use, repair, and storage of this air conditioner should be greater than 5 m².
- * Air conditioner refrigerant can not charge more than 1.7kg.
- * Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- * Not pierce or burn air conditioner, and check the refrigerant pipeline whether be damaged.
- * The appliance shall be stored in a room without continuously operating ignition sources (forexample: open flames, an operating gas appliance or an operating electric heater).
- * Notice that the refrigerant may be tasteless.
- * The storage of air conditioner should be able to prevent mechanical damage caused by accident.
- * Maintenance or repair of air conditioners using R32 refrigerant must be carried out after security check to minimize risk of incidents.
- * Air conditioner must be installed with stop valve cover.
- * Please read the instruction carefully before installing, using and maintaining.

Symbol	Note	Explanation
	WARNING	This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.
	CAUTION	This symbol shows that the operation manual should be read carefully.
	CAUTION	This symbol shows that a service personnel should be handling this equipment with reference to the installation manual.
	CAUTION	This symbol shows that information is available such as the operating manual or installation manual.

Safety precautions

Incorrect installation or operation by not following these instructions may cause harm or damage to people, properties, etc.

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 properties.

WARNING

**This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
(Only for the AC with CE-MARKING)**

Safety Precautions

The air conditioner must be grounded. Incomplete grounding may result in electric shocks.

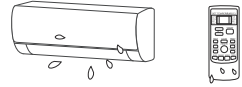


Do not connect the earth wire to the gas pipeline, water pipeline, lightning rod, or telephone earth wire.

Always switch off the device and cut the power supply when the unit is not in use for long time so as to ensure safety.



Take care not let the remote control and the indoor unit watered or being too wet.



NO!

Otherwise, it may cause short circuit.

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.



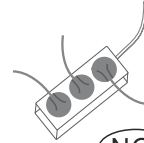
Don't cut off main power switch during operating or with wet hands.



NO!

It may cause electric shock.

Don't share the socket with other electric appliance.



NO!

Otherwise, it may cause electric shock even fire and explosion.

Always switch off the device and cut the power supply before performing any maintenance or cleaning.



Otherwise, it may cause electric shock or damage.

Don't pull the power cable .



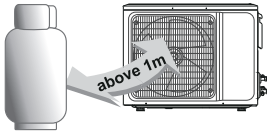
NO!

The damage of pulling power cord will cause serious electric shock.

A warning that ducts connected to an appliance shall not contain an ignition source.

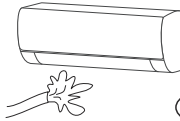
Safety precautions

Don't install air conditioner in a place where there is flammable gas or liquid. The distance between them should above 1m.



It may cause fire even explosion.

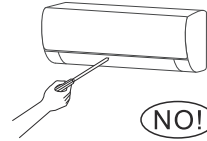
Don't use liquid or corrosive cleaning agent wipe the air conditioner and sprinkle water or other liquid either.



NO!

Doing this may cause electric shock or damage to the unit.

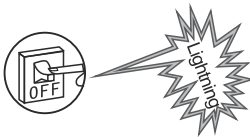
Don't attempt to repair the air conditioner by yourself.



NO!

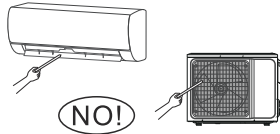
Incorrect repairs may cause fire or explosion. Contact a qualified service technician for all service requirement.

Don't use air conditioner in lightning storm weather.



Power supply should be cut in time to prevent the occurrence of danger.

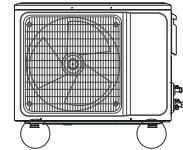
Don't put hands or any objects into the air inlets or outlets.



NO!

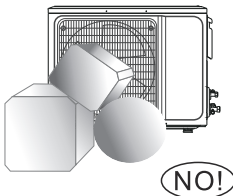
This may cause personal injury or damage to the unit.

Please note whether the installed stand is firm enough or not.



If it is damaged, it may lead to the fall of the unit and cause the injury.

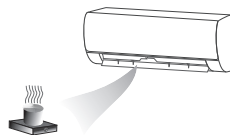
Don't block air inlet or air outlet.



NO!

Otherwise, the cooling or heating capacity will be weakened, even cause system stop operating.

Don't let the air conditioner blow against the heater appliance.



Otherwise it will lead to incomplete combustion, thus causing poisoning.

The appliance shall be installed in accordance with national wiring regulations.

An earth leakage breaker with rated capacity must be installed to avoid possible electric shocks.

Safety Precautions

This product contains fluorinated greenhouse gases.

Refrigerant leakage contributes to climate change.

Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to [675]. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be [675] times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

Ensure no following objects under the indoor unit:

- 1. microwaves, ovens and other hot objects.**
- 2. computers and other high electrostatic appliances.**
- 3. sockets that plug frequently.**

The joints between indoor and outdoor unit shall not be reused, unless after re-flaring the pipe.

The specification of the fuse are printed on the circuit board, such as: 3.15A/250V AC, etc.

WEEE Warning

Meaning of crossed out wheeled dustbin:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

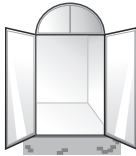
When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least free of charge.



Safety Precautions

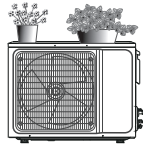
⚠ CAUTION

Don't open the windows and doors for long time when the air conditioner is running.



Otherwise, the cooling or heating capacity will be weakened.

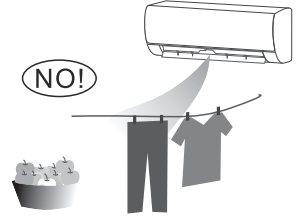
Don't stand on the top of the outdoor unit or place heavy things on it.



NO!

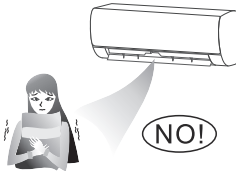
This could cause personal injuries or damage the unit.

Don't use the air conditioner for other purposes, such as drying clothes, preserving foods, etc.



NO!

Don't apply the cold air to the body for a long time.



NO!

It will deteriorate your physical conditions and cause health problems.

Set the suitable temperature.

It is recommended that the temperature difference between indoor and outdoor temperature should not be too large.



Appropriate adjustments of the setting temperature can prevent the waste of electricity.

If your air conditioner is not fitted with a supply cord and a plug, an anti-explosion all-pole switch must be installed in the fixed wiring and the distance between contacts should be no less than 3.0 mm.

If your air conditioner is permanently connected to the fixed wiring, a anti-explosion residual current device (RCD) having rated residual operating current not exceeding 30 mA should be installed in the fixed wiring.

The power supply circuit should have leakage protector and air switch of which the capacity should be more than 1.5 times of the maximum current.

Regarding the installation of the air conditioners, please refer to the below paragraphs in this manual.

The conditions of unit can't normally run

* Within the temperature range provided in following table, the air conditioner may stop running and other anomalies may arise.

Cooling	Outdoor	>43°C (Apply to T1)
		>52°C (Apply to T3)
	Indoor	<18°C
Heating	Outdoor	>24°C
		<-7°C
	Indoor	>27°C

* When the temperature is too high, the air conditioner may activate the automatic protection device, so that the air conditioner could be shut down.

* When the temperature is too low, the heat exchanger of the air conditioner may freeze, leading to water dripping or other malfunction.

* In long-term cooling or dehumidification with a relative humidity of above 80% (doors and windows are open), there may be water condenses or dripping near the air outlet.

* T1 and T3 refer to ISO 5151.

Notes for heating

* The fan of the indoor unit will not work immediately when the heating is started to avoid blowing out cool air.

* When it is cold and wet outside, the outdoor unit will develop frost over the heat exchanger which will increase the heating capacity. Then the air conditioner will start defrost function.

* During defrost, the air conditioner will stop heating for about 5-12 minutes.

* Vapor may come out from the outdoor unit during defrost. This is not a malfunction, but a result of fast defrost.

* Heating will resume after defrost is complete.

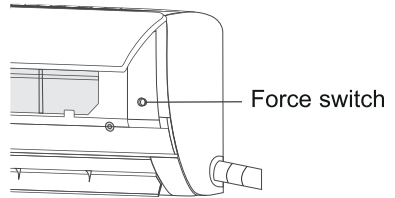
Notes for turning off

* When the air conditioner is turned off, the main controller will automatically decide whether to stop immediately or after running for dozens of seconds with lower frequency and lower air speed.

Notices for usage

Emergency operation

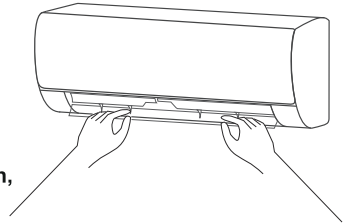
- * If the remote controller is lost or broken, use force switch button to operate the air conditioner.
- * If this button is pushed with the unit OFF, the air conditioner will operate in Auto mode.
- * If this button is pushed with the unit ON, the air conditioner will stop running.



Airflow direction adjustment

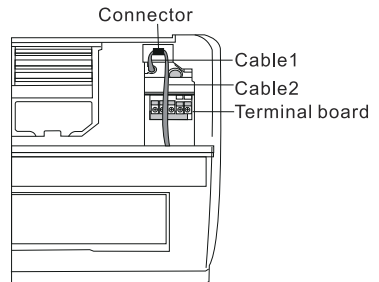
1. Use up-down swing and left-right swing buttons on the remote controller to adjust the airflow direction. Refer to the operation manual of the remote controller for detail.
2. For models without left-right swing function, the air vent has to be moved manually.

Note: Move the air vents before the unit is in operation, or your finger might be injured. Never place your hand into the air inlet or outlet when the air conditioner is in operation.

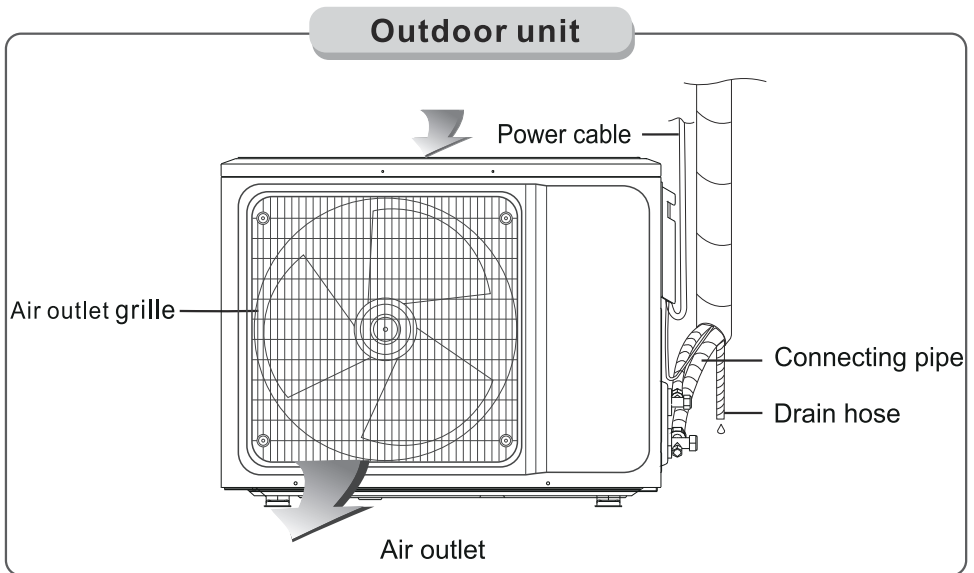
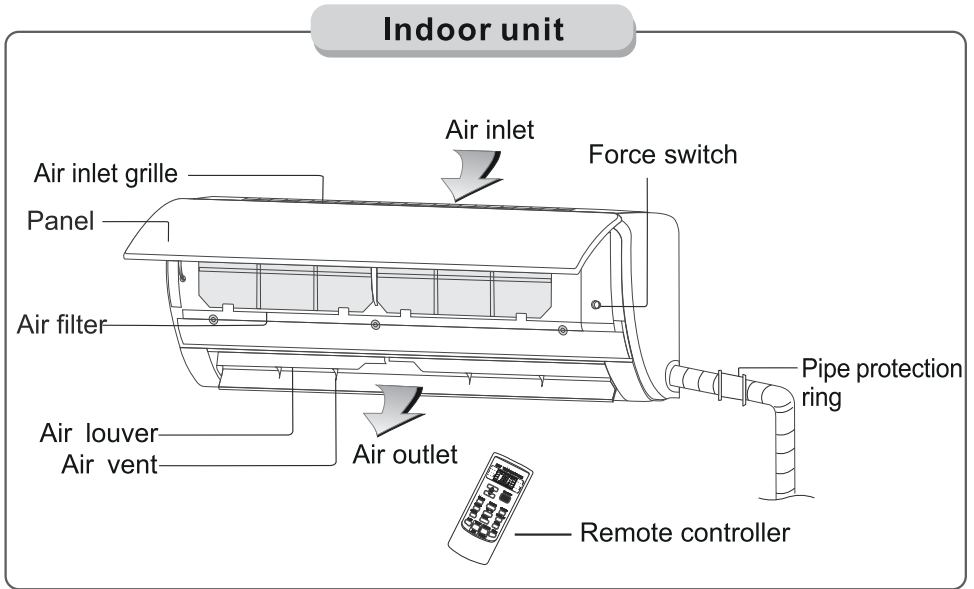


Specific caution

1. Open front panel of the indoor.
2. The connector (as Fig) can not touch the terminal board, and is positioned as shown in Fig.



Names of each part



Note: All the illustrations in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail. They are subject to change without notice for future improvement. Plug, WIFI function, Negative-ion function, and Vertical and horizontal swing function both are optional, the actual unit shall prevail.

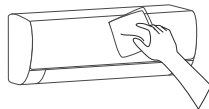
Clean and care

WARNING

- Before the cleaning of the air conditioner, it must be shut down and the electricity must be cut off for more than 5 minutes, otherwise there might be the risk of electric shocks.
- Do not wet the air conditioner, which can cause an electric shock. Make sure not to rinse the air conditioner with water under any circumstances.
- Volatile liquids such as thinner or gasoline will damage the air conditioner housing, therefore please clean the housing of air conditioner only with soft dry cloth and damp cloth moistened with neutral detergent.
- In the course of the usage, pay attention to cleaning the filter regularly, to prevent the accumulation of dust which may affect the air conditioner performance. If the service environment of the air conditioner is dusty, correspondingly increase the number of times of cleaning. After removing the filter, do not touch the fin part of the indoor unit with the finger, and no force to damage the refrigerant pipeline.

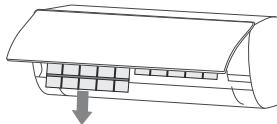
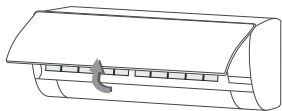
Clean the panel

When the panel of the indoor unit is contaminated, clean it gently with a wrung towel using tepid water below 40°C, and do not remove the panel while cleaning.



Clean the air filter

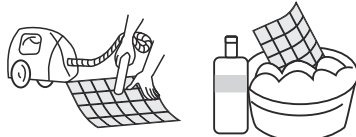
■ Remove the air filter



1. Use both hands to open the panel for an angle from both ends of the panel in accordance with the direction of the arrow.
2. Release the air filter from the slot and remove it.

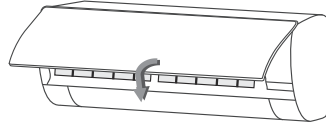
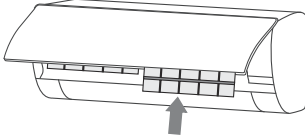
■ Clean the Air Filter

Use a vacuum cleaner or water to rinse the filter, and if the filter is very dirty (for example, with greasy dirt), clean it with warm water (below 45 °C) with mild detergent, and then put the filter in the shade to dry in the air.



■ Mount the Filter

1. Reinstall the dried filter in reverse order of removal, then cover and lock the panel.



Check before using

1. Check whether all the air inlets and outlets of the units are unblocked.
2. Check whether there is blocking in the water outlet of the drain pipe, and immediately clean it up if any.
3. Check the ground wire is reliably grounded.
4. Check whether the remote control batteries are installed, and whether the power is sufficient.
5. Check whether there is damage in the mounting bracket of the outdoor unit, and if any, please contact our local service center.

Maintain after using

1. Cut off the power source of the air conditioner, turn off the main power switch and remove the batteries from the remote controller.
2. Clean the filter and the unit body.
3. Remove the dust and debris from the outdoor unit.
4. Check whether there is damage in the mounting bracket of the outdoor unit, and if any, please contact our local service center.

Troubleshooting

⚠ CAUTION

* Do not repair the air conditioner by yourself as wrong maintenance may cause electric shock or fire or explode, please contact the authorized service center and let the professionals conduct the maintenance, and checking the following items prior to contacting for maintenance can save your time and money.

Phenomenon

Troubleshooting

The air conditioner does not work.

- There might be power outages. → Wait until power is restored.
- Power plug may be loose out from the socket.
→ The plug in the plug tightly.
- Power switch fuse may blow. → Replace the fuse.
- The time for timing boot is yet to come.
→ Wait or cancel the timer settings.

The air conditioner can't run after the immediate start-up after it is shut down.

- If the air conditioner is turned on immediately after it is turned off, the protective delay switch will delay the operation for 3 to 5 minutes.

The air conditioner stops running after it starts up for a while.

- May have reached the setting temperature.
→ It is a normal function phenomenon.
- May be at a defrosting state. → It will automatically restore and run again after defrosting.
- Shutdown Timer may be set.
→ If you continue to use, please turn it on again.

The wind blows out, but the cooling/heating effect is not good.

- Excessive accumulation of dust on filter, blocking at air inlet and outlet, and the excessively small angle of the louver blades all will affect the cooling and heating effect.
→ Please clean the filter, remove the obstacles at the air inlet and outlet and regulate the angle of the louver blades.
- Poor cooling and heating effect caused by doors and windows opening, and unclosed exhaust fan.
→ Please close the doors, windows, the exhaust fan, etc.
- Auxiliary heating function is not turned on while heating, which may lead to poor heating effect.
→ Turn on the auxiliary heating function.
(only for models with auxiliary heating function)
- Mode setting is incorrect, and the temperature and wind speed settings are not appropriate.
→ Please re-select the mode, and set the appropriate temperature and wind speed.

The indoor unit blows out odor.

- The air conditioner itself does not have undesirable odor. If there is odor, it may be due to accumulation of the odor in the environment.
→ Clean the air filter or activate the cleaning function.

Troubleshooting

There is sound of running water during the running of air conditioner.

- When the air conditioner is started up or stopped, or the compressor is started up or stopped during the running, sometimes the "hissing" sound of running water can be heard. → This is the sound of the flow of the refrigerant, not a malfunction.

A slight "click" sound is heard at the of start-up or shut-down.

- Due to temperature changes, panel and other parts will swell, causing the sound of friction.
→ This is normal, not a fault.

The indoor unit makes abnormal sound.

- The sound of fan or compressor relay switched on or off.
- When the defrosting is started or stop running, it will create sound.
→ That is due to the refrigerant flows to reverse direction. They are not malfunctions.
- Too much dust accumulation on the air filter of the indoor unit may result in fluctuation of the sound.
→ Clean the air filters in time.
- Too much air noise when "Strong wind" is turned on.
→ This is normal, if feeling uncomfortable, please deactivate the "Strong wind" function.

There are water drops over the surface of the indoor unit.

- When ambient humidity is high, water drops will be accumulated around the air outlet or the panel, etc.
→ This is a normal physics phenomenon.
- Prolonged cooling run in open space produces water drops.
→ Close the doors and windows.
- Too small opening angle of the louver blades may also result in water drops at the air inlet.
→ Increase the angle of the louver blades.

During the cooling operation, the indoor unit outlet sometimes will blow out mist.

- When the indoor temperature and humidity are high, it happens sometimes.
→ This is because the indoor air is cooled rapidly. After it runs for some time, the indoor temperature and humidity will be reduced and the mist will disappear.



Immediately stop all operations and cut off the power supply , contact our Service center locally in following situations.

- ▲ Hear any harsh sound or smell any awful odor during running.
- ▲ Abnormal heating of power cable and plug occurs.
- ▲ The unit or remote controller has any impurity or water.
- ▲ Air switch or leakage protection switch is often disconnected.

Notices for installation

ⓘ Important Notices

- Before installing, please contact with local authorized maintenance center, if unit is not installed by the authorized maintenance center, the malfunction may not solved, due to discommodious contact.
- The air conditioner must be installed by professionals according to the national wiring rules and this manual.
- Refrigerant leak test must be made after installation.
- To move and install air conditioner to another place, please contact our local special service center.

Unpacking Inspection

- Open the box and check air conditioner in area with good ventilation (open the door and window) and without ignition source. Note: Operators are required to wear anti-static devices.
- It is necessary to check by professional whether there is refrigerant leakage before opening the box of outdoor machine; stop installing the air conditioner if leakage is found.
- The fire prevention equipment and anti-static precautions shall be prepared well before checking. Then check the refrigerant pipeline to see if there is any collision traces, and whether the outlook is good.

Safety Principles for Installing Air Conditioner

- Fire prevention device shall be prepared before installation.
- Keep installing site ventilated. (open the door and window)
- Ignition source, smoking and calling is not allowed to exist in area where R32 refrigerant located.
- Anti-static precautions in necessary for installing air conditioner, e.g. wear pure cotton clothes and gloves.
- Keep leak detector in working state during the installation.
- If R32 refrigerant leakage occurs during the installation, you shall immediately detect the concentration in indoor environment until it reaches a safe level. If refrigerant leakage affects the performance of the air conditioner, please immediately stop the operation, and the air conditioner must be vacuumed firstly and be returned to the maintenance station for processing.
- Keep electric appliance, power switch, plug, socket, high temperature heat source and high static away from the area underneath sidelines of the indoor unit.
- The air conditioner shall be installed in an accessible location to installation and maintenance, without obstacles that may block air inlets or outlets of indoor/outdoor units, and shall keep away from heat source, inflammable or explosive conditions.

Notices for installation

- When installing or repairing the air conditioner and the connecting line is not long enough, the entire connecting line shall be replaced with the connecting line of the original specification; extension is not allowed.
- Use new connection pipe, unless re-flaring the pipe.

Requirements For Installation Position

- Avoid places of inflammable or explosive gas leakage or where there are strongly aggressive gases.
- Avoid places subject to strong artificial electric/magnetic fields.
- Avoid places subject to noise and resonance.
- Avoid severe natural conditions (e.g. heavy lampblack, strong sandy wind, direct sunshine or high temperature heat sources).
- Avoid places within the reach of children.
- Shorten the connection between the indoor and outdoor units.
- Select where it is easy to perform service and repair and where the ventilation good.
- The outdoor unit shall not be installed in any way that could occupy an aisle, stairway, exit, fire escape, catwalk or any other public area.
- The outdoor unit shall be installed as far as possible from the doors and windows of the neighbors as well as the green plants.

Installation environment inspection

- Check nameplate of outdoor unit to make sure whether the refrigerant is R32.
- Check the floor space of the room. The space shall not be less than usable space($5m^2$) in the specification. The outdoor unit shall be installed at a well-ventilated place.
- Check the surrounding environment of installation site: R32 shall not be installed in the enclosed reserved space of a building.
- When using electric drill to make holes in the wall, check first whether there is pre-buried pipeline for water, electricity and gas. It is suggested to use the reserved hole in the roof of the wall.

Requirements of the mounting structure

- The mounting rack must meet the relevant national or industrial standards in terms of strength with welding and connection areas rustproofed.
- The mounting rack and its load carry surface shall be able to withstand 4 times or above the weight of the unit, or 200kg, whichever is heavier.

Notices for installation

- The mounting rack of the outdoor unit shall be fastened with expansion bolt.
- Ensure the secure installation regardless of what type of wall on which it is installed, to prevent potential dropping that could hurt people.

Electrical Safety Requirements

- Be sure to use the rated voltage and air conditioners dedicated circuit for the power supply, and the power cable diameter must meet the national requirements.
- When the maximum current of air conditioner is $\geq 16A$, it must use the air switch or leakage protection switch equipped with protection devices.
- The operating range is 90%-110% of the local rated voltage. But insufficient power supply malfunction, electrical shock, or fire. If the voltage instability, proposed to increase the voltage regulator.
- The minimum clearance between the air conditioner and the combustibles is 1.5 m.
- The interconnection cord connect the indoor and outdoor units. You must first choose the right cable size before preparing it for connection.
- Cable Types: Outdoor Power Cable: H07RN-F or H05RN-F;
Interconnection cord: H07RN-F or H05RN-F;
- Minimum Cross-Sectional Area of Power cable and interconnection cord.

North America

Appliance Amps(A)	AWG
10	18
13	16
18	14
25	12
30	10
40	8

Other Regions

Rated Current of Appliance(A)	Nominal Cross-Sectional Area(mm ²)
> 3 and ≤ 6	0.75
> 6 and ≤ 10	1
> 10 and ≤ 16	1.5
> 16 and ≤ 25	2.5
> 25 and ≤ 32	4
> 32 and ≤ 40	6

- The size of the interconnection cord, power cable, fuse, and switch needed is determined by the maximum current of the unit. The maximum current is indicated on the nameplate located on the side panel of the unit. Refer to this nameplate to choose the right cable, fuse, or switch.
- Note: Core number of cable refer to the detailed wiring diagram adhered on the unit which you purchased.

Notices for installation

Requirements for operations at raised height

- When carrying out installation at 2m or higher above the base level, safety belts must be worn and ropes of sufficient strength be securely fasten to the outdoor unit, to prevent falling that could cause personal injury or death as well as property loss.

Grounding Requirements

- The air conditioner is the class I electrical appliance and must ensure a reliable grounding.
- Do not connect the grounding wire to a gas pipe, water pipe, lightning rod, telephone line, or a circuit poorly grounded to the earth.
- The grounding wire is specially designed and shall not be used for other purpose, nor shall it be fastened with a common tapping screw.
- Interconnection cord diameter should be recommended as per instruction manual ,and with type O terminal that meet local standards (internal diameter of type O terminal needs to match the screw size of the unit, no more than 4.2mm). After installation, check the screws whether have been fixed effectively, and there is no risk of loosening.

Others

- The connection method of the air conditioner and the power cable and the interconnection method of each independent element shall be subject to the wiring diagram affixed to the machine.
- The model and rating value of the fuse shall be subject to the silkscreen on corresponding controller or fuse sleeve.

Packing list

Packing list of the indoor unit

Name	Quantity	Unit
Indoor Unit	1	PC
Remote Controller	1	PC
Batteries (AAA)	2	PC
Owner's manual	1	Set
Drain pipe	1	PC

Packing list of the outdoor unit

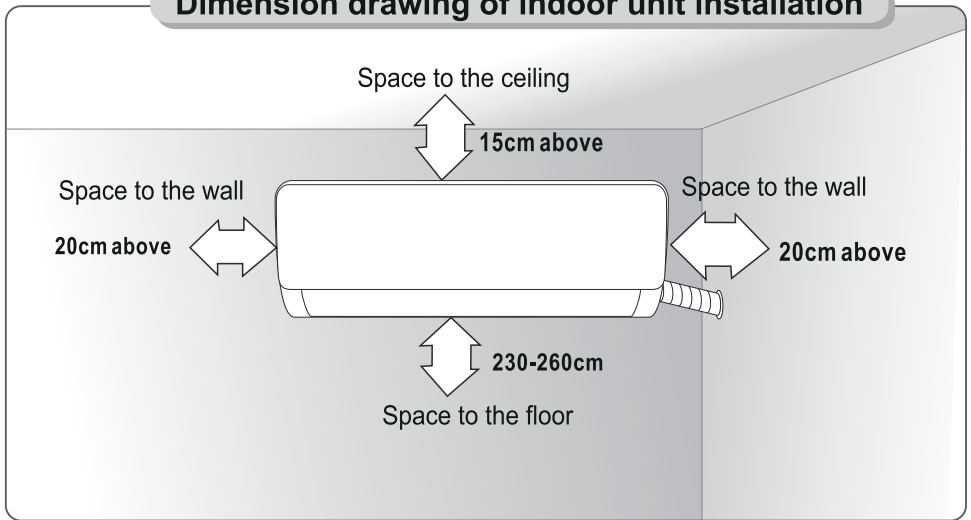
Name	Quantity	Unit
Outdoor Unit	1	PC
Connecting pipe	2	PC
Plastic Strap	1	ROLL
Pipe Protection Ring	1	PC
Luting (putty)	1	PACKET

NOTE: Interconnection cord is optional accessorie.

All accessories shall be subject to actual packaging material, and they are subject to change without prior notice. and they are subject to change without prior notice.

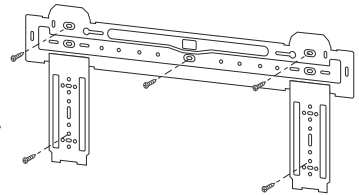
Installation for indoor unit

Dimension drawing of indoor unit installation



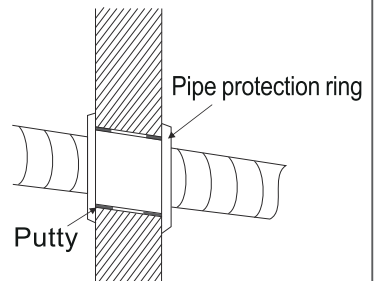
Mounting plate

1. The wall for installation of the indoor unit shall be hard and firm, so as to prevent vibration.
2. Use the "+" type screw to fasten the peg board, horizontally mount the peg board on the wall, and ensure the lateral horizontal and longitudinal vertical.
3. Pull the peg board by hand after the installation, to confirm whether it is solid.



Wall-through Hole

1. Make a hole with an electric hammer or a water drill at the predetermined position on the wall for piping, which shall slant outwardly by 5°-10°.
2. To protect the piping and the cables from being damaged running through the wall, and from the rodents that may inhabit in the hollow wall, a pipe protecting ring shall be installed and sealed with putty.



Note: Usually, the wall hole is $\Phi 60\text{mm} \sim \Phi 80\text{mm}$.
Avoid pre-buried power wire and hard wall when making the hole.

Installation for indoor unit

Route of Pipeline

- Depending on the position of the unit, the piping may be routed sideway from the left or the right (Fig 1), or vertically from the back(Fig 2)(depending on the pipe length of the indoor unit). In the case of sideway routing, cut off the outlet cutting stock of the opposite side.

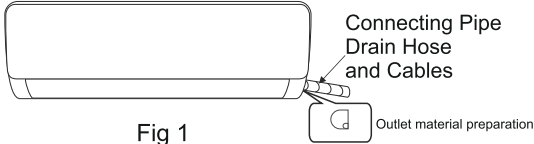


Fig 1

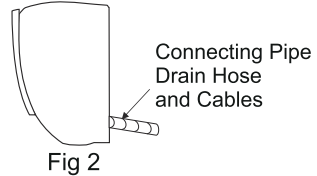


Fig 2

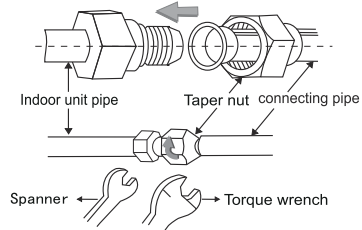
Drain pipe connection

- Remove the fixed part to pull out pipe of indoor machine from the case. Screw the hexagon nut in the left of the joint to the end with your hand.
- Connect the connecting pipe to the indoor unit:
Aim at the pipe center, tighten the Taper nut with fingers, and then tighten the Taper nut with a torque wrench, and the direction is shown in diagram on the right. The torque used is shown in the following table.

**Note: Carefully check if there is any damage of joints before installation.
The joints shall not be reused, unless after re-flaring the pipe.**

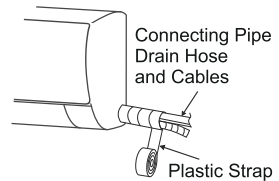
Tightening torque table

The size of pipe(mm)	Torque(N · m)
Φ6/Φ6.35	15~25
Φ9/Φ9.52	35~40
Φ12/Φ12.7	45~60
Φ15.88	73~78
Φ19.05	75~80



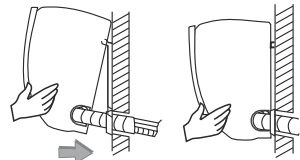
Wrap the Piping

- Use the insulation sleeve to wrap the joint part the indoor unit and the connection pipe, and then use insulating material to pack and seal insulation pipe, to prevent generation of condensate water on the joint part.
- Connect the water outlet with drain pipes, and make the connection pipe, cables, and the drain hose straight.
- Use plastic cable ties to wrap the connecting pipes, cables and drain hose. Run the pipe sloping downward.



Fixing the Indoor Unit

- Hang the indoor unit on the peg board, and move the unit from left to right to ensure that the hook is properly positioned in the peg board.
- Push toward the lower left side and the upper right side of the unit toward the peg board, until the hook is embedded in the slot and makes a "click" sound.

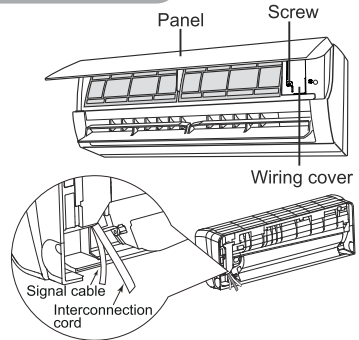


Installation for indoor unit

Interconnection cord installation

● Connect interconnection cord of indoor unit

1. Open the panel, remove the screw on the wiring cover and then take down the cover.
2. Make the interconnection cord go through the cable-cross hole at the back of indoor unit and then pull it out from the front side.
(Some models do not have a signal cable.)

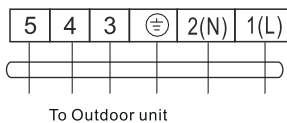
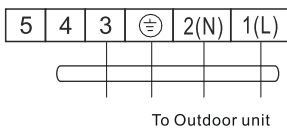


3. Remove the wire clip; connect the interconnection cord to the wiring terminal according to the wiring diagram; tighten the screw and then fix the interconnection cord with wire clip.

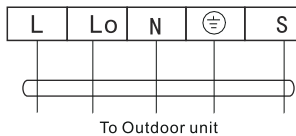
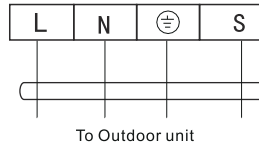
NOTE:

- ※ This manual usually includes the wiring mode for the different kind of air conditioner. We cannot exclude the possibility that some special type of wiring diagrams are not included.
- ※ The diagram are for reference only. If the entity is difference with this wiring diagram, please refer to the detailed wiring diagram adhered on the unit which you purchased.

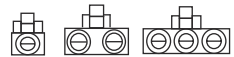
constant speed



Variable speed

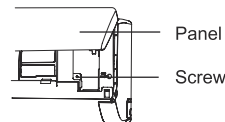


Connector



If there is a connector, connect it directly.

4. Put wiring cover back and then tighten the screw.
5. Close the panel.

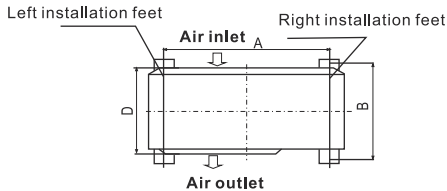
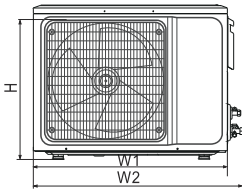
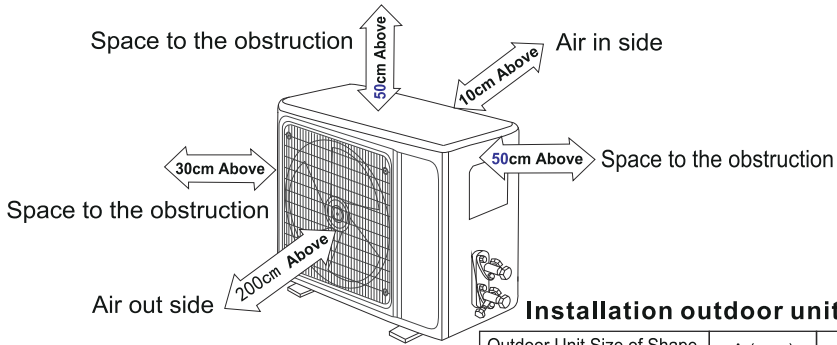


● After installation check

1. The screws whether have been fixed effectively, and there is no risk of loosening.
2. Connector of display board whether put in the right place and do not touch the terminal board.
3. Control box cover whether cover tightly.

Installation for outdoor unit

Dimension drawing of outdoor unit installation



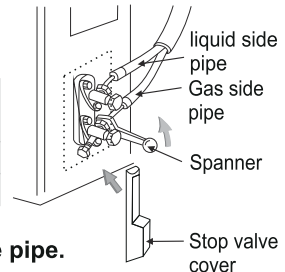
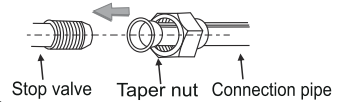
Installation outdoor unit bolt

Outdoor Unit Size of Shape W1(W2)*H*D (mm)	A (mm)	B (mm)
665(710)×420×280	430	280
600(645)×485×260	400	290
660(710)×500×240	500	260
700(745)×500×255	460	260
730(780)×545×285	540	280
760(810)×545×285	540	280
790(840)×550×290	545	300
800(860)×545×315	545	315
800(850)×590(690)×310	540	325
825(880)×655×310	540	335
900(950)×700×350	630	350
900(950)×795×330	535	350
970(1044)×803×395	675	409

Install the connection pipe

Connect the Outdoor Unit with Connecting Pipe:
Aim the counter-bore of the connecting pipe at the stop valve, and tighten the Taper nut with fingers.
Then tighten the Taper nut with a torque wrench.

- ★ When prolonging the piping, extra amount of refrigerant must be added so that the operation and performance of the air conditioner will not be compromised.



Piping length	Amount of refrigerant to be added		Amount of refrigerant for the unit
≤5M	Not needed		
5-15M	CC≤12000Btu	16g/m	≤1kg
	CC≥18000Btu	24g/m	≤2kg

Note: 1. This table is for reference only.

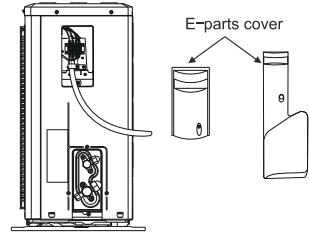
2. The joints shall not be reused, unless after re-flaring the pipe.

3. After installation, check the stop valve cover whether be fixed effectively.

Installation for outdoor unit

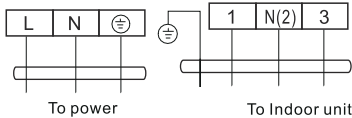
Wiring Connection

1. Loosen the screws and remove E-parts cover from the unit.
2. Connect the cables respectively to the corresponding terminals of the terminal board of the outdoor unit (see the wiring diagram), and if there are signals connected to the plug, just conduct butt joint.
3. Ground wire: Remove the grounding screw out of the electric bracket, cover the grounding wire end onto the grounding screw and screw it into the grounding hole.
4. Fix the cable reliably with fasteners (Pressing board).
5. Put the E-parts cover back in its original place and fasten it with screws.



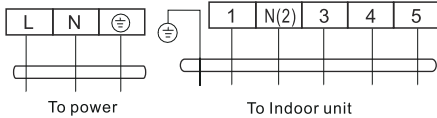
Wiring diagram

constant speed



To power

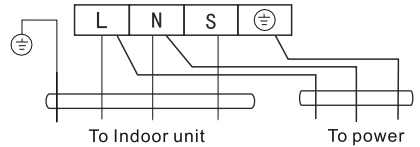
To Indoor unit



To power

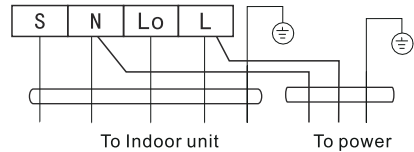
To Indoor unit

Variable speed



To Indoor unit

To power



To Indoor unit

To power

Connector



If there is a connector, connect it directly.

NOTE:

- ※ This manual usually includes the wiring mode for the different kind of air conditioner. We cannot exclude the possibility that some special type of wiring diagrams are not included .
- ※ The diagram are for reference only. If the entity is difference with this wiring diagram, please refer to the detailed wiring diagram adhered on the unit which you purchased.

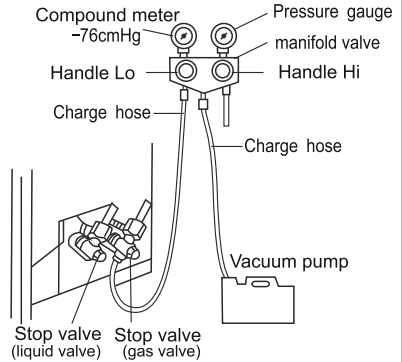
Installation for outdoor unit

Vacuumping

★Exclusive R32 refrigerant pump must be used in making R32 refrigerant vacuum.

Before working on the air conditioner, remove the cover of the stop valve(gas and liquid valves)and be sure to retighten it afterward.(to prevent the potential air leakage)

1. To prevent air leakage and spilling tighten all connecting nut of all flare tubes.
2. Connect the stop valve, charge hose, manifold valve, and vacuum pump.
3. Fully open the handle Lo of the manifold valve and apply vacuum for at least 15 minutes and check that the compound vacuum gauge reads $-0.1\text{MPa}(-76\text{cmHg})$.
4. After applying vacuum, fully open the stop valve with a hex wrench.
5. Check that both indoor and outdoor connections are free of air leakage.

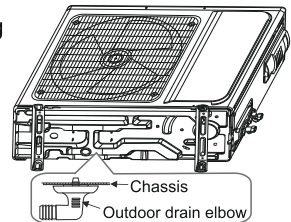


Outdoor condensation drainage(Heat pump type only)

When the unit is heating, the condensing water and defrosting water can be out reliably through the drain house.

Installation:

Install the outdoor drain elbow in $\Phi 25$ hole on the base plate, and joint the drain hose to the elbow, so that the waste water formed in the outdoor unit can be drained out to a proper plate.



Check after installation and test operation

Check after installation

★ Electrical Safety Check

1. If the supply voltage is as required.
2. If there is any faulty or miss connection in each of the power, signal and grounding wires.
3. If the grounding wire of the air conditioner is securely grounded.

★ Installation Safety Check

1. If the installation is secure.
2. If the water drain is smooth.
3. If the wiring and piping are correctly installed.
4. Check that no foreign matter or tools are left inside the unit.
5. Check the refrigerant pipeline is protected well.

★ Leak test of the refrigerant

Depending on the installation method, the following methods may be used to check for suspect leak, on areas such as the four connections of the outdoor unit and the cores of the cut-off valves and t-valves:

1. Bubble method: Apply of spray a uniform layer of soap water over the suspected leak spot and observe carefully for bubble.
2. Instrument method: Checking for leak by pointing the probe of the leak detector according to the instruction to the suspect points of leak.

Note: Make sure that the ventilation is good before checking.

Test Operation

Test Operation preparation:

- ※Verify that all piping and connection cables are well connected.
- ※Confirm that the valves at the gas side the liquid-side are fully open.
- ※Connect the power cable to an independent power socket.
- ※Install batteries in remote control.

Note: Make sure that the ventilation is good before testing.

Test Operation method:

1. Turn on the power and push the ON/OFF switch button of the remote controller to start the air conditioner.
2. Select COOL, HEAT (not available on cool-only models) , SWING and other operation modes with the remote controller and see if the operation is ok.

Attention:

For maintenance or scrap, please contact authorized service centers.

Maintenance by unqualified person may cause dangers.

Feed air conditioner with R32 refrigerant, and maintain the air conditioner in strictly accordance with manufacturer's requirements. The chapter is mainly focused on special maintenance requirements for appliance with R32 refrigerant. Ask repairer to read after-sales technical service handbook for detailed information.

Qualification requirements of maintenance personnel

1. Special training additional to usual refrigerating equipment repair procedures is required when equipment with flammable refrigerants is affected. In many countries, this training is carried out by national training organisations that are accredited to teach the relevant national competency standards that may be set in legislation. The achieved competence should be documented by a certificate.
2. The maintenance and repair of the air conditioner must be conducted according to the method recommended by the manufacturer. If other professionals are needed to help maintain and repair the equipment, it should be conducted under the supervision of individuals who have the qualification to repair AC equipped with flammable refrigerant.

Inspection of the Site

Safety inspection must be taken before maintaining equipment with R32 refrigerant to make sure the risk of fire is minimized. Check whether the place is well ventilated, whether anti-static and fire prevention equipment is perfect.

While maintaining the refrigeration system, observe the following precautions before operating the system.

Operating Procedures

1. 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.

2. 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 toxic or flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

3. 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.

Maintenance Notice

4.No ignition sources:

No person carrying out work in relation to a refrigeration system which involves exposing any pipe work 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 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.

5.Ventilated Area(open the door and window):

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.

6.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:

- The charge size is in accordance with the room size within which the refrigerant containing parts are installed.
- The ventilation machinery and outlets are operating adequately and are not obstructed.
- If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant.
- 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.

7.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:

- That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking.
- That no live electrical components and wiring are exposed while charging, recovering or purging the system.
- Keep continuity of earthing.

Inspection of Cable

Check the cable for wear, corrosion, overvoltage, vibration and check if there are sharp edges and other adverse effects in the surrounding environment. During the inspection, the impact of aging or the continuous vibration of the compressor and the fan on it should be taken into consideration.

Leakage check of R32 refrigerant

Note: Check the leakage of the refrigerant in an environment where there is no potential ignition source. No halogen probe (or any other detector that uses an open flame) should be used.

Leak detection method:

For systems with refrigerant R32, electronic leak detection instrument is available to detect and leak detection should not be conducted in environment with refrigerant. Make sure the leak detector will not become a potential source of ignition, and is applicable to the measured refrigerant. Leak detector shall be set for the minimum ignitable fuel concentration (percentage) of the refrigerant. Calibrate and adjust to proper gas concentration (no more than 25%) with the used refrigerant.

The fluid used in leak detection is applicable to most refrigerants. But do not use chloride solvents to prevent the reaction between chlorine and refrigerants and the corrosion of copper pipeline.

If you suspect a leak, then remove all the fire from the scene or put out the fire.

If the location of the leak needs to be welded, then all refrigerants need to be recovered, or, isolate all refrigerants away from the leak site (using cut-off valve). Before and during the welding, use OFN to purify the entire system.

Removal and Vacuum Pumping

1. Make sure there is no ignited fire source near the outlet of the vacuum pump and the ventilation is well.
2. Allow the maintenance and other operations of the refrigeration circuit should be carried out according to the general procedure, but the following best operations that the flammability is already taken into consideration are the key. You should follow the following procedures:
 - Remove the refrigerant.
 - Decontaminate the pipeline by inert gases.
 - Evacuation.
 - Decontaminate the pipeline by inert gases again.
 - Cut or weld the pipeline.
3. The refrigerant should be returned to the appropriate storage tank. The system should be blown with oxygen free nitrogen to ensure safety. This process may need to be repeated for several times. This operation shall not be carried out using compressed air or oxygen.

Maintenance Notice

3. Through blowing process, the system is charged into the anaerobic nitrogen to reach the working pressure under the vacuum state, then the oxygen free nitrogen is emitted to the atmosphere, and in the end, vacuumize the system. Repeat this process until all refrigerants in the system is cleared. After the final charging of the anaerobic nitrogen, discharge the gas into the atmosphere pressure, and then the system can be welded. This operation is necessary for welding the pipeline.

Procedures of Charging Refrigerants

As a supplement to the general procedure, the following requirements need to be added:

- Make sure that there is no contamination among different refrigerants when using a refrigerant charging device. The pipeline for charging refrigerants should be as short as possible to reduce the residual of refrigerants in it.
- Storage tanks should remain vertically up.
- Make sure the grounding solutions are already taken before the refrigeration system is charged with refrigerants.
- After finishing the charging (or when it is not yet finished), label the mark on the system.
- Be careful not to overcharge refrigerants.

Scrap and Recovery

Scrap:

Before this procedure, the technical personnel shall be thoroughly familiar with the equipment and all its features, and make a recommended practice for refrigerant safe recovery. For recycling the refrigerant, shall analyze the refrigerant and oil samples before operation. Ensure the required power before the test.

1. Be familiar with the equipment and operation.
2. Disconnect power supply.
3. Before carrying out this process, you have to make sure:
 - If necessary, mechanical equipment operation should facilitate the operation of the refrigerant tank.
 - All personal protective equipment is effective and can be used correctly.
 - The whole recovery process should be carried out under the guidance of qualified personnel.
 - The recovering of equipment and storage tank should comply with the relevant national standards.
4. If possible, the refrigerating system should be vacuumized.
5. If the vacuum state can't be reached, you should extract the refrigerant in each part of the system from many places.
6. Before the start of the recovery, you should ensure that the capacity of the storage tank is sufficient.
7. Start and operate the recovery equipment according to the manufacturer's instructions.

8. Don't fill the tank to its full capacity (the liquid injection volume does not exceed 80% of the tank volume).
9. Even the duration is short, it must not exceed the maximum working pressure of the tank.
10. After the completion of the tank filling and the end of the operation process, you should make sure that the tanks and equipment should be removed quickly and all closing valves in the equipment are closed.
11. The recovered refrigerants are not allowed to be injected into another system before being purified and tested.

Note: The identification should be made after the appliance is scrapped and refrigerants are evacuated. The identification should contain the date and endorsement. Make sure the identification on the appliance can reflect the flammable refrigerants contained in this appliance.

Recovery:

1. The clearance of refrigerants in the system is required when repairing or scrapping the appliance. It is recommended to completely remove the refrigerant.
2. Only a special refrigerant tank can be used when loading the refrigerant into the storage tank. Make sure the capacity of the tank is appropriate to the refrigerant injection quantity in the entire system. All tanks intended to be used for the recovery of refrigerants should have a refrigerant identification (i.e. refrigerant recovery tank). Storage tanks should be equipped with pressure relief valves and globe valves and they should be in a good condition. If possible, empty tanks should be evacuated and maintained at room temperature before use.
3. The recovery equipment should be kept in a good working condition and equipped with equipment operating instructions for easy access. The equipment should be suitable for the recovery of R32 refrigerants. Besides, there should be a qualified weighting apparatus which can be normally used. The hose should be linked with detachable connection joint of zero leakage rate and be kept in a good condition.
Before using the recovery equipment, check if it is in a good condition and if it gets perfect maintenance. Check if all electrical components are sealed to prevent the leakage of the refrigerant and the fire caused by it. If you have any question, please consult the manufacturer.
4. The recovered refrigerant shall be loaded in the appropriate storage tanks, attached with a transporting instruction, and returned to the refrigerant manufacturer. Don't mix refrigerant in recovery equipment, especially a storage tank.
5. The space loading R32 refrigeration can't be enclosed in the process of transportation. Take anti electrostatic measures if necessary in transportation. In the process of transport, loading and unloading, necessary protective measures must be taken to protect the air conditioner to ensure that the air conditioner is not damaged.
6. When removing the compressor or clearing the compressor oil, make sure the compressor is pumped to an appropriate level to ensure that there is no residual R32 refrigerants in the lubricating oil. The vacuum pumping should be carried out before the compressor is returned to the supplier. Ensure the safety when discharging oil from the system.

All the pictures in the manual are for explanatory purposes only. The actual shape of the unit you purchased may be slightly different, but the operations and functions are the same.

The company may not be held responsible for any misprinted information. The design and the specifications of the product for reasons, such as product improvement, are subject to change without any prior notice.

Please consult with the manufacturer at +30 211 300 3300 or with the Local Distributor for further details.



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Λειτουργία και συντήρηση

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Εγκατάσταση / Συντήρηση





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Σημείωση: Όλες οι εικόνες σε αυτό το εγχειρίδιο είναι για επεξηγηματικούς λόγους. Το κλιματιστικό σας ενδέχεται να είναι διαφορετικό. Το πραγματικό επικρατεί της επεξήγησης. Το παρόν εγχειρίδιο μπορεί να αλλάξει χωρίς προηγούμενη ενημέρωση για λόγους βελτίωσης.

Προειδοποίηση: Αυτό το κλιματιστικό χρησιμοποιεί εύφλεκτο ψυκτικό μέσο R32.

Σημειώσεις: Το κλιματιστικό με ψυκτικό μέσο R32, εάν υποστεί κακό χειρισμό, μπορεί να προκαλέσει σοβαρή βλάβη στο ανθρώπινο σώμα ή στα γύρω αντικείμενα.

- Ο χώρος για την εγκατάσταση, χρήση, επισκευή και αποθήκευση αυτού του κλιματιστικού θα πρέπει να είναι μεγαλύτερος από 5m²
- Το ψυκτικό μέσο του κλιματιστικού δεν μπορεί να υπερβαίνει τα 1,7 κιλά.
- Μην χρησιμοποιείτε επιπλέον μεθόδους για να επιταχύνετε την αποπάγωση ή να καθαρίσετε παγωμένα εξαρτήματα, εκτός από τις ειδικά συνιστώμενες από τον κατασκευαστή μεθόδους.
- Μην τρυπάτε ή καίτε το κλιματιστικό και ελέγξτε την αγωγή του ψυκτικού μέσου εάν έχει υποστεί ζημία.
- Το κλιματιστικό θα πρέπει να αποθηκεύεται σε δωμάτιο χωρίς διαρκή πηγή φωτιάς, για παράδειγμα, ανοιχτή φλόγα, συσκευή καύσης αερίου, ηλεκτρική θερμάστρα σε λειτουργία και ούτω καθεξής.
- Λάβετε υπόψη ότι το ψυκτικό μέσο μπορεί να είναι άγευστο.
- Η αποθήκευση του κλιματιστικού θα πρέπει να είναι σε θέση να αποτρέπει τη μηχανική βλάβη που προκαλείται από ατύχημα.
- Η συντήρηση ή η επισκευή κλιματιστικών με ψυκτικό μέσο R32 πρέπει να διεξάγεται μετά από έλεγχο ασφαλείας για την ελαχιστοποίηση του κινδύνου συμβάντων.
- Το κλιματιστικό πρέπει να εγκατασταθεί με κάλυμμα βαλβίδας διακοπής.
- Διαβάστε προσεκτικά τις οδηγίες πριν την εγκατάσταση, τη χρήση και τη συντήρηση.

Σύμβολο	Σημείωση	Εξήγηση
	ΠΡΟΕΙΔΟΠΟΙΗΣΗ	Αυτό το σύμβολο δείχνει ότι η συσκευή χρησιμοποιεί εύφλεκτο ψυκτικό μέσο. Εάν το ψυκτικό μέσο διαρρεύσει και εκτεθεί σε εξωτερική πηγή ανάφλεξης, υπάρχει κίνδυνος πυρκαγιάς.
	ΠΡΟΣΟΧΗ	Αυτό το σύμβολο δείχνει ότι πρέπει να διαβάσετε προσεκτικά το εγχειρίδιο λειτουργίας.
	ΠΡΟΣΟΧΗ	Αυτό το σύμβολο δείχνει ότι πρέπει να χειρίζεται αυτόν τον εξοπλισμό ένα εκπρόσωπος του σέρβις, με αναφορά στο εγχειρίδιο εγκατάστασης.
	ΠΡΟΣΟΧΗ	Αυτό το σύμβολο δείχνει ότι υπάρχουν διαθέσιμες πληροφορίες, όπως το εγχειρίδιο λειτουργίας ή το εγχειρίδιο εγκατάστασης.

Μέτρα ασφαλείας

Η εσφαλμένη εγκατάσταση ή λειτουργία, μη ακολουθώντας αυτές τις οδηγίες, μπορεί να προκαλέσει βλάβη ή ζημιά σε άτομα, αντικείμενα, κλπ. Η σοβαρότητα διαβαθμίζεται κατά τις ακόλουθες ενδείξεις:

ΠΡΟΕΙΔΟΠΟΙΗΣΗ

Αυτό το σύμβολο υποδεικνύει την πιθανότητα θανάτου ή σοβαρού τραυματισμού

ΠΡΟΣΟΧΗ

Αυτό το σύμβολο υποδεικνύει την πιθανότητα τραυματισμού ή ζημιάς σε αντικείμενα

ΠΡΟΕΙΔΟΠΟΙΗΣΗ

Παρακαλούμε ΜΗΝ ΕΠΙΤΡΕΠΕΤΕ σε παιδιά κάτω των 8 ετών να χρησιμοποιούν αυτή τη συσκευή. Βεβαιωθείτε ότι τα παιδιά, άτομα με αναπηρία (ΑμεΑ) ή έλλειψη γνώσης και εμπειρίας, επιβλέπονται, ανάλογα με την περίπτωση, από άτομα υπεύθυνα για την ασφάλειά τους και δεν αναλαμβάνουν διαδικασίες όπως τον καθαρισμό ή την συντήρηση της συσκευής

Μέτρα ασφαλείας

Το κλιματιστικό πρέπει να είναι γειωμένο. Η ελλιπής γείωση ενδέχεται να προκαλέσει ηλεκτροπληξία

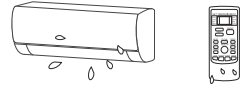


Μην συνδέετε το καλώδιο γείωσης με τον αγωγό αερίου, τον αγωγό νερού, το αλεξικέραυνο ή το καλώδιο γείωσης του τηλεφώνου.

Πάντα να απενεργοποιείτε τη συσκευή και να διακόπτετε την τροφοδοσία ρεύματος όταν η συσκευή δεν χρησιμοποιείται για μεγάλο χρονικό διάστημα, ώστε να εξασφαλίζεται η ασφάλεια της συσκευής και του χώρου.



Προσέξτε να μην αφήνετε το τηλεχειριστήριο και την εσωτερική μονάδα να βρέχονται ή να είναι πολύ υγρές.



NO!

Διαφορετικά, μπορεί να προκαλέσει βραχυκύκλωμα.

Εάν το καλώδιο τροφοδοσίας ρεύματος είναι κατεστραμμένο, πρέπει να αντικατασταθεί από τον κατασκευαστή ή από τον αντιπρόσωπο σέρβις ή από αντιστοιχώς εξειδικευμένο άτομο.



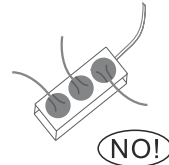
Μην κλείνετε τον κύριο διακόπτη τροφοδοσίας ρεύματος κατά τη διάρκεια της λειτουργίας ή με υγρά χέρια.



NO!

Μπορεί να προκληθεί ηλεκτροπληξία.

Μην μοιράζετε την πρίζα με άλλη ηλεκτρική συσκευή.



NO!

Διαφορετικά, μπορεί να προκληθεί ηλεκτροπληξία, πυρκαγιά ή και έκρηξη.

Απενεργοποιείτε πάντα τη συσκευή και διακόπτετε την τροφοδοσία ρεύματος πριν πραγματοποιήσετε οποιαδήποτε συντήρηση ή καθαρισμό.



Διαφορετικά, μπορεί να προκληθεί ηλεκτροπληξία ή ζημιά.

Μην τραβάτε το καλώδιο τροφοδοσίας ρεύματος.



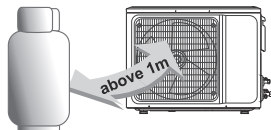
NO!

Η ζημιά από το τράβηγμα του καλωδίου ρεύματος θα προκαλέσει σοβαρή ηλεκτροπληξία.

Προειδοποίηση: οι αγωγοί που συνδέονται με μια συσκευή δεν πρέπει να περιέχουν πηγή ανάφλεξης.

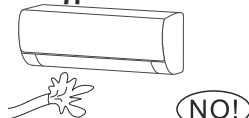
Μέτρα ασφαλείας

Μην εγκαθιστάτε το κλιματιστικό σε χώρο όπου υπάρχει εύφλεκτο αέριο ή υγρό. Η απόσταση μεταξύ τους πρέπει να είναι μεγαλύτερη από 1m.



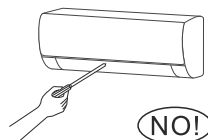
Μπορεί να προκαλέσει πυρκαγιά ή και έκρηξη.

Μην χρησιμοποιείτε υγρό ή διαβρωτικό μέσο καθαρισμού για να καθαρίσετε το κλιματιστικό και μη ψεκάζετε με νερό ή άλλο υγρό.



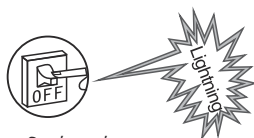
Κάτι τέτοιο μπορεί να προκαλέσει ηλεκτροπληξία ή ζημιά στη μονάδα.

Μην επιχειρήσετε να επισκευάσετε μόνοι σας το κλιματιστικό.



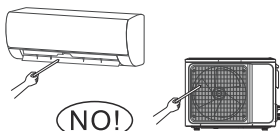
Οι εσφαλμένες επισκευές ενδέχεται να προκαλέσουν πυρκαγιά ή έκρηξη. Επικοινωνήστε με έναν εξειδικευμένο τεχνικό για όλες τις απαιτούμενες τεχνικές υπηρεσίες.

Μην χρησιμοποιείτε κλιματιστικό σε καιρικές συνθήκες καταιγίδας με κεραυνούς.



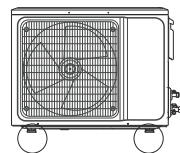
Η τροφοδοσία ρεύματος πρέπει να διακοπεί έγκαιρα για να αποφευχθεί η εμφάνιση κινδύνου.

Μην τοποθετείτε χέρια ή αντικείμενα στις εισόδους ή τις εξόδους αέρα.



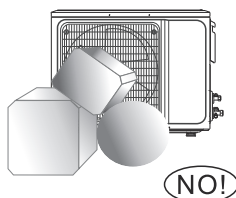
Μπορεί να προκληθεί τραυματισμός ή ζημιά στη μονάδα.

Ελέγξτε εάν η εγκατεστημένη βάση είναι σταθερή.



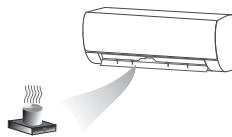
Εάν έχει υποστεί ζημιά, μπορεί να προκληθεί πτώση της συσκευής και να προκληθεί τραυματισμός.

Μην φράζετε την είσοδο αέρα ή την έξοδο αέρα.



Διαφορετικά, η ικανότητα ψύξης ή θέρμανσης θα εξασθενήσει, ή μπορεί και να προκληθεί διακοπή λειτουργίας της μονάδας.

Μην αφήνετε το κλιματιστικό να βγάζει αέρα απέναντι από συσκευή θέρμανσης.



Διαφορετικά θα οδηγήσει σε ατελή καύση, προκαλώντας έτσι δηλητηρίαση.

Η συσκευή εγκαθίσταται σύμφωνα με τους εθνικούς κανονισμούς περί καλωδίωσης.

Πρέπει να εγκατασταθεί μία ηλεκτρική ασφάλεια διαρροής - γείωσης με καθορισμένη χωρητικότητα για να αποφευχθούν πιθανή ηλεκτροπληξία.

Μέτρα ασφαλείας

Το προϊόν αυτό περιέχει φθοριούχα αέρια θερμοκηπίου.

Η διαρροή ψυκτικού μέσου συμβάλλει στην κλιματική αλλαγή. Το ψυκτικό μέσο με χαμηλότερο δυναμικό θέρμανσης του πλανήτη (GWP) θα συνεισφέρει λιγότερο στην παγκόσμια αύξηση της θερμοκρασίας από ένα ψυκτικό με υψηλότερο GWP, εάν διαρρεύσει στην ατμόσφαιρα. Αυτή η συσκευή περιέχει ψυκτικό υγρό με GWP ίσο με [675]. Αυτό σημαίνει ότι εάν 1kg του ψυκτικού ρευστού διαρρεύσει στην ατμόσφαιρα, ο αντίκτυπος στην αύξηση της θερμοκρασίας του πλανήτη θα είναι [675] φορές υψηλότερος από 1kg CO₂, σε διάστημα 100 ετών. Μην επιχειρήσετε ποτέ να παρέμβετε στο κύκλωμα ψυκτικού μέσου ή να αποσυναρμολογήσετε το προϊόν μόνιμα και να καλείτε πάντοτε έναν επαγγελματία.

Βεβαιωθείτε ότι δεν υπάρχουν αντίστοιχες συσκευές κάτω από την εσωτερική μονάδα:

1. φούρνοι μικροκυμάτων, φούρνοι (ηλεκτρικοί ή αερίου) και άλλα θερμά αντικείμενα.
2. υπολογιστές και άλλες ιδιαίτερα ηλεκτροστατικές συσκευές.
3. πρίζες που συνδέονται συχνά.

Οι συνδέσεις μεταξύ εσωτερικής και εξωτερικής μονάδας δεν πρέπει να επαναχρησιμοποιούνται, εκτός εάν γίνει εκ νέου εκχείλωση του σωλήνα. Οι προδιαγραφές της ηλεκτρικής ασφάλειας είναι τυπωμένες στην πλακέτα του κυκλώματος, όπως: 3,15A / 250V AC, κ.λπ.

ΠΡΟΕΙΔΟΠΟΙΗΣΗ WEEE

Έννοια του διαγραμμένου κάδου απορριμμάτων με τροχούς:

Μην απορρίπτετε τις ηλεκτρικές συσκευές ως αστικά απόβλητα χωρίς διαλογή, χρησιμοποιήστε χωριστές εγκαταστάσεις συλλογής. Επικοινωνήστε με την τοπική αυτοδιοίκηση για πληροφορίες σχετικά με τα διαθέσιμα συστήματα συλλογής. Εάν οι ηλεκτρικές συσκευές απορριφθούν σε χώρους υγειονομικής ταφής ή σε χωματερές, επικίνδυνες ουσίες μπορεί να διαρρεύσουν στα υπόγεια ύδατα και να εισέλθουν στην τροφική αλυσίδα, καταστρέφοντας την υγεία και την ευημερία σας. Κατά την αντικατάσταση παλιών συσκευών με καινούργιες, ο έμπορος λιανικής πώλησης υποχρεούται νομικά να παραλάβει την παλιά σας συσκευή για απόρριψη τουλάχιστον δωρεάν.



Μέτρα ασφαλείας

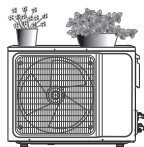
⚠ ΠΡΟΣΟΧΗ

Μην ανοίγετε τα παράθυρα και τις πόρτες για πολύ χρόνο όταν λειτουργεί το κλιματιστικό.



Διαφορετικά, η ικανότητα ψύξης ή θέρμανσης θα εξασθενίσει.

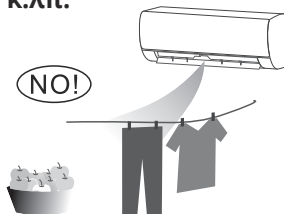
Μην στέκεστε επάνω στην εξωτερική μονάδα ή τοποθετείτε βαριά αντικείμενα σε αυτήν.



NO!

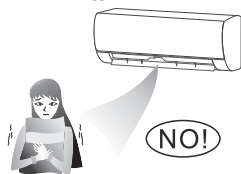
Αυτό θα μπορούσε να προκαλέσει τραυματισμούς ή ζημιά στη μονάδα.

Μην χρησιμοποιείτε το κλιματιστικό για άλλους σκοπούς, όπως στέγνωμα ρούχων, διατήρηση τροφίμων κ.λπ.



NO!

Μην κατευθύνετε τον ψυχρό αέρα στο σώμα για μεγάλο χρονικό διάστημα.



NO!

Θα επιδεινώσει τη φυσική σας κατάσταση και θα προκαλέσει προβλήματα υγείας.

Ρυθμίστε την κατάλληλη θερμοκρασία.



Συνιστάται η διαφορά θερμοκρασίας μεταξύ εσωτερικής και εξωτερικής θερμοκρασίας να μην είναι πολύ μεγάλη.

Οι κατάλληλες ρυθμίσεις της οριζόμενης θερμοκρασίας μπορούν να αποτρέψουν την σπατάλη ηλεκτρικής ενέργειας.

Εάν το κλιματιστικό σας δεν είναι εξοπλισμένο με καλώδιο τροφοδοσίας ρεύματος και βύσμα, πρέπει να εγκατασταθεί ένας διακόπτης προστασίας από εκρήξεις στην σταθερή καλωδίωση και η απόσταση μεταξύ των επαφών να μην είναι μικρότερη από 3mm.

Εάν το κλιματιστικό σας είναι μόνιμα συνδεδεμένο με τη σταθερή καλωδίωση, θα πρέπει να εγκατασταθεί στην σταθερή καλωδίωση μια αντικεκρηκτική διάταξη προστασίας ρεύματος διαρροής (RCD) με ονομαστικό ρεύμα διαρροής ενεργοποίησης που δεν υπερβαίνει τα 30mA.

Το κύκλωμα παροχής ηλεκτρικού ρεύματος θα πρέπει να έχει προστατευτικό διαρροής και διακόπτη αεροδιάκενου, του οποίου η χωρητικότητα θα πρέπει να είναι μεγαλύτερη από 1,5 φορά το μέγιστο ρεύμα.

Σχετικά με την εγκατάσταση των κλιματιστικών, ανατρέξτε στις παρακάτω παραγράφους αυτού του εγχειριδίου.

Ειδοποιήσεις για χρήση

Συνθήκες στις οποίες η μονάδα δεν μπορεί να λειτουργήσει κανονικά

- Εντός του εύρους θερμοκρασίας που παρέχεται στον παρακάτω πίνακα, το κλιματιστικό ενδέχεται να σταματήσει να λειτουργεί και μπορεί να προκύψουν άλλες ανωμαλίες.

Ψύξη	Εξωτερική	>43°C (για συνθήκες T1)
		>52°C (για συνθήκες T3)
	Εσωτερική	<18°C
Θέρμανση	Εξωτερική	>24°C
		<-7°C
	Εσωτερική	>27°C

- Όταν η θερμοκρασία είναι πολύ υψηλή, το κλιματιστικό μπορεί να ενεργοποιήσει την αυτόματη διάταξη προστασίας, και να απενεργοποιήσει το κλιματιστικό.
- Όταν η θερμοκρασία είναι πολύ χαμηλή, ο εναλλάκτης θερμότητας του κλιματιστικού μπορεί να παγώσει, οδηγώντας σε σταγονίδια νερού ή άλλη δυσλειτουργία.
- Σε περίπτωση μεγάλης διάρκειας λειτουργίας ψύξης ή αφύγρανσης με σχετική υγρασία άνω του 80% (λόγου χάρη με πόρτες και παράθυρα ανοικτά), μπορεί να υπάρξει συμπύκνωση νερού ή σταγονίδια κοντά στην έξοδο αέρα.
- Τα T1 και T3 αναφέρονται στο ISO 5151.

Σημειώσεις για θέρμανση

- Ο ανεμιστήρας της εσωτερικής μονάδας δεν θα αρχίσει να λειτουργεί αμέσως μετά την εκκίνηση της θέρμανσης για αποφυγή εξαγωγής ψυχρού αέρα.
- Όταν επικρατεί κρύο και υγρασία έξω, η εξωτερική μονάδα ενδέχεται να αναπτύξει πάγο επάνω στον εναλλάκτη θερμότητας, γεγονός που θα μειώσει την ικανότητα θέρμανσης. Στη συνέχεια το κλιματιστικό θα ξεκινήσει τη λειτουργία απόψυξης.
- Κατά τη διάρκεια της απόψυξης, το κλιματιστικό θα σταματήσει τη θέρμανση για περίπου 5-12 λεπτά.
- Ενδέχεται να παρατηρηθεί ατμός από την εξωτερική μονάδα κατά τη διάρκεια της απόψυξης. Αυτό δεν αποτελεί δυσλειτουργία, αλλά αποτέλεσμα γρήγορης απόψυξης.
- Η λειτουργία θέρμανσης θα επαναληφθεί μετά την ολοκλήρωση της απόψυξης.

Σημειώσεις για απενεργοποίηση

- Όταν το κλιματιστικό είναι απενεργοποιημένο, ο κεντρικός ελεγκτής θα αποφασίσει αυτόματα αν θα σταματήσει αμέσως ή μετά από λειτουργία για λίγο χρόνο με χαμηλότερη συχνότητα και χαμηλότερη ταχύτητα αέρα.

Ειδοποιήσεις για χρήση

Λειτουργία έκτακτης ανάγκη

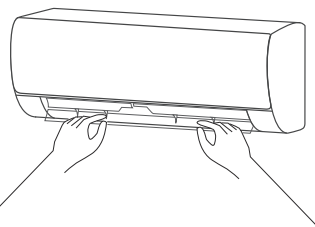
- Εάν το τηλεχειριστήριο χαθεί ή σπάσει, χρησιμοποιήστε το διακόπτη εξαναγκασμένης λειτουργίας για να λειτουργήσετε το κλιματιστικό.
- Εάν το κουμπί αυτό πιεστεί με τη μονάδα απενεργοποιημένη, το κλιματιστικό θα εκκινήσει σε αυτόματη λειτουργία.
- Εάν το κουμπί αυτό πιεστεί με τη συσκευή ενεργοποιημένη, το κλιματιστικό θα απενεργοποιηθεί.



Ρύθμιση κατεύθυνσης ροής αέρα

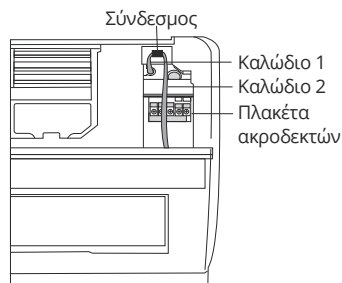
1. Χρησιμοποιήστε τα κουμπιά κίνησης περισίδων επάνω-κάτω και αριστερά-δεξιά στο τηλεχειριστήριο για να ρυθμίσετε την κατεύθυνση ροής αέρα. Για λεπτομέρειες, ανατρέξτε στο εγχειρίδιο λειτουργίας του τηλεχειριστηρίου.
2. Για τα μοντέλα που δεν διαθέτουν λειτουργία κίνησης περισίδων αριστερά-δεξιά, τα πτερύγια πρέπει να μετακινούνται με το χέρι.

Σημείωση: Μετακινήστε τα πτερύγια πριν λειτουργήσει η συσκευή, διαφορετικά μπορεί να τραυματιστεί το δάχτυλό σας. Μην τοποθετείτε ποτέ το χέρι σας στην είσοδο ή στην έξοδο αέρα όταν λειτουργεί το κλιματιστικό.



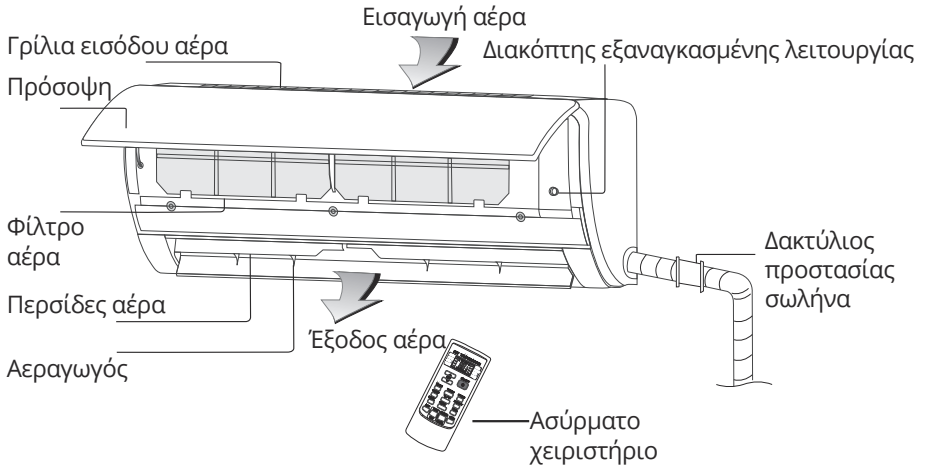
Ειδική προσοχή

1. Ανοίξτε την πρόσοψη της εσωτερικής μονάδας.
2. Ο σύνδεσμος (ως Σχήμα) δεν πρέπει να αγγίζει την πλακέτα ακροδεκτών και είναι τοποθετημένος όπως φαίνεται στο Σχ.

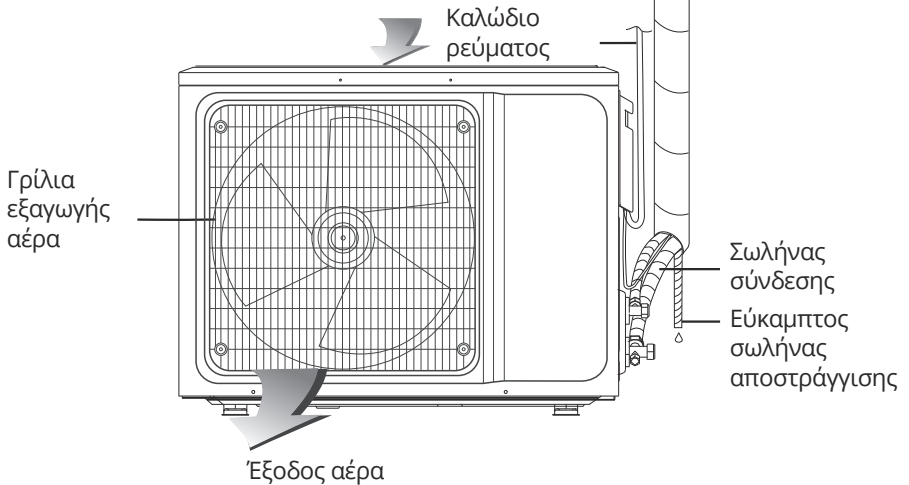


Επεξήγηση μονάδων

Εσωτερική μονάδα



Εξωτερική μονάδα



Σημείωση: Όλες οι εικόνες σε αυτό το εγχειρίδιο είναι για επεξηγηματικούς λόγους. Το κλιματιστικό σας ενδέχεται να είναι διαφορετικό. Το πραγματικό επικρατεί της επεξήγησης.

Το βύσμα καλωδίωσης, η λειτουργία WIFI, λειτουργία αρνητικών ιόντων και η λειτουργία κάθετης και οριζόντιας ταλάντωσης είναι προαιρετικές, η πραγματική μονάδα υπερισχύει.

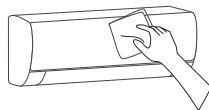
Καθαρισμός και φροντίδα

ΠΡΟΕΙΔΟΠΟΙΗΣΗ

- Πριν από κάθε καθαρισμό του κλιματιστικού, θα πρέπει να είναι αποσυνδεδεμένο από την παροχή ρεύματος για περισσότερο από 5 λεπτά και να παραμείνει εκτός ρεύματος, διαφορετικά ενδέχεται να υπάρξει κίνδυνος ηλεκτροπληξίας.
- Μην βρέχετε το κλιματιστικό, μπορεί να προκληθεί ηλεκτροπληξία. Μην ξεπλύνετε το κλιματιστικό με νερό για κανένα λόγο.
- Τα πτητικά υγρά όπως διαλυτικό ή βενζίνη ενδέχεται να προκαλέσουν ζημιά στο περίβλημα του κλιματιστικού, επομένως καθαρίστε το περίβλημα του κλιματιστικού μόνο με μαλακό στεγνό πανί ή νωπό πανί που έχει εμποτιστεί με ουδέτερο καθαριστικό.
- Κατά τη περίοδο χρήσης, φροντίζετε για τον τακτικό καθαρισμό των φίλτρων, για αποφυγή συσσώρευσης σκόνης, καθώς μπορεί να επηρεάσει την απόδοση. Εάν το περιβάλλον λειτουργίας του κλιματιστικού είναι επιβαρυνόμενο με σκόνη, αυξήστε αντίστοιχα την συχνότητα καθαρισμού. Αφού αφαιρέσετε το φίλτρο, μην αγγίζετε το πτερύγιο της εσωτερικής μονάδας με το δάχτυλο και μην ασκείτε δύναμη που μπορεί να προκαλέσει ζημιά στη σωλήνα ψυκτικού.

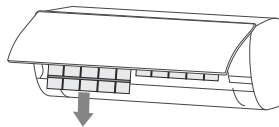
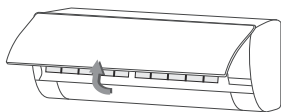
Καθαρίστε την πρόσοψη

Όταν η πρόσοψη της εσωτερικής μονάδας είναι λερωμένη, καθαρίστε την απαλά με μια πετσέτα νωπή με χλιαρό νερό κάτω από 40°C και μην αφαιρείτε την πρόσοψη κατά τον καθαρισμό.



Καθαρισμός του φίλτρου αέρα

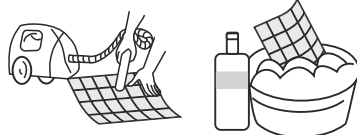
● Αφαίρεση του φίλτρου αέρα



1. Χρησιμοποιήστε και τα δύο χέρια για να ανοίξετε την πρόσοψη υπό γωνία από τα δύο άκρα της, σύμφωνα με την κατεύθυνση του βέλους.
2. Απαγκιστρώστε τα φίλτρα αέρα από την υποδοχή και αφαιρέστε τα.

● Καθαρισμός του φίλτρου αέρα

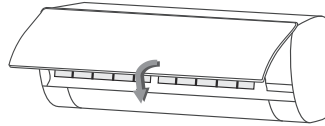
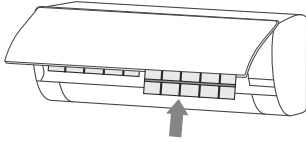
Χρησιμοποιήστε μια ηλεκτρική σκούπα ή νερό για να ξεπλύνετε το φίλτρο και εάν το φίλτρο είναι πολύ βρώμικο (για παράδειγμα, με λιπαρές ακαθαρσίες), καθαρίστε το με χλιαρό νερό (κάτω από 45°C) που έχει εμποτιστεί με ουδέτερο καθαριστικό και στη συνέχεια τοποθετήστε το φίλτρο στη σκιά να στεγνώσει στον αέρα.



Καθαρισμός και φροντίδα

● Τοποθέτηση του φίλτρου

1. Επανατοποθετήστε το στεγνό φίλτρο με την αντίστροφη σειρά που το αφαιρέσατε, καλύψτε και ασφαλίστε την πρόσοψη.



Έλεγχος πριν από τη χρήση

1. Ελέγξτε αν η εισαγωγή αέρα και οι αεραγωγοί των μονάδων είναι ελεύθεροι.
2. Ελέγξτε αν υπάρχει μπλοκάρισμα στην έξοδο νερού του σωλήνα αποστράγγισης και καθαρίστε το αμέσως εάν υπάρχει.
3. Ελέγξτε ότι το καλώδιο γείωσης είναι αξιόπιστα γειωμένο.
4. Ελέγξτε εάν έχουν εγκατασταθεί σωστά οι μπαταρίες του τηλεχειριστηρίου και εάν η ισχύς τους είναι επαρκής.
5. Ελέγξτε εάν υπάρχουν φθορές στην βάση τοποθέτησης της εξωτερικής μονάδας και εάν υπάρχει παρακαλούμε επικοινωνήστε με το τοπικό σέρβις.

Συντήρηση μετά τη χρήση

1. Διακόψτε την τροφοδοσία ρεύματος του κλιματιστικού, απενεργοποιήστε τον κύριο διακόπτη λειτουργίας και αφαιρέστε τις μπαταρίες από το τηλεχειριστήριο.
2. Καθαρίστε το φίλτρο και το σώμα της μονάδας.
3. Αφαιρέστε τη σκόνη και λοιπά υπολείμματα από την εξωτερική μονάδα.
4. Ελέγξτε εάν υπάρχει φθορά στην βάση τοποθέτησης της εξωτερικής μονάδας και εάν υπάρχει, παρακαλούμε επικοινωνήστε με το τοπικό σέρβις.

Αντιμετώπιση προβλημάτων

⚠ ΠΡΟΣΟΧΗ

Μην επισκευάζετε το κλιματιστικό μόνοι σας, καθώς η λανθασμένη συντήρηση μπορεί να προκαλέσει ηλεκτροπληξία, πυρκαγιά ή έκρηξη. Επικοινωνήστε με το εξουσιοδοτημένο σέρβις και αφήστε τους επαγγελματίες να πραγματοποιήσουν τη συντήρηση. Ο έλεγχος των παρακάτω στοιχείων πριν επικοινωνήσετε για συντήρηση μπορεί να σας εξοικονομήσει χρόνο και χρήματα.

Φαινόμενο	Αντιμετώπιση προβλημάτων
Το κλιματιστικό δεν λειτουργεί.	<ul style="list-style-type: none">• Μπορεί να υπάρχουν διακοπές ρεύματος. → Περιμένετε έως ότου αποκατασταθεί η τροφοδοσία ρεύματος.• Το φιντ μπορεί να έχει χαλαρώσει από την πρίζα. → Τοποθετήστε καλά το φιντ στην πρίζα.• Η ηλεκτρική ασφάλεια μπορεί να έχει καεί. → Αντικαταστήστε την ασφάλεια.• Ο χρόνος για την εκκίνηση μέσω χρονοδιακόπτη δεν έχει ολοκληρωθεί. → Περιμένετε ή ακυρώστε τις ρυθμίσεις χρονοδιακόπτη.
Το κλιματιστικό δεν μπορεί να λειτουργήσει μετά την αυτόματη επανεκκίνηση έπειτα από τη διακοπή της λειτουργίας του.	<ul style="list-style-type: none">• Εάν το κλιματιστικό ενεργοποιηθεί αμέσως μετά την απενεργοποίηση, η προστασία επανεκκίνησης του κλιματιστικού θα καθυστερήσει τη λειτουργία για 3 έως 5 λεπτά.
Ο αέρας εξέρχεται, αλλά η απόδοση ψύξης / θέρμανσης δεν είναι ικανοποιητική.	<ul style="list-style-type: none">• Η υπερβολική συσσώρευση σκόνης στα φίλτρα, το μπλοκάρισμα στην είσοδο και στην έξοδο αέρα και η υπερβολικά μικρή γωνία των περιστρεφόμενων πτερυγίων επηρεάζουν τα αποτελέσματα ψύξης και θέρμανσης. → Καθαρίστε τα φίλτρα, αφαιρέστε τα εμπόδια από την είσοδο και έξοδο αέρα και ρυθμίστε τη γωνία των πτερυγίων.• Κακό αποτέλεσμα ψύξης και θέρμανσης που προκαλείται από το άνοιγμα των θυρών και των παραθύρων και ανεμιστήρα εξαγωγής. → Κλείστε τις πόρτες, τα παράθυρα, τον εξαεριστήρα κλπ.• Η λειτουργία βοηθητικής θέρμανσης δεν ανάβει κατά τη θέρμανση, κάτι που μπορεί να οδηγήσει σε ανεπαρκή θέρμανση. → Ενεργοποιήστε τη λειτουργία βοηθητικής θέρμανσης (μόνο για μοντέλα με λειτουργία βοηθητικής θέρμανσης).• Η ρυθμισμένη λειτουργία είναι εσφαλμένη και οι ρυθμίσεις θερμοκρασίας και ταχύτητας αέρα δεν είναι κατάλληλες. → Επιλέξτε εκ νέου τη λειτουργία και ρυθμίστε την κατάλληλη θερμοκρασία και ταχύτητα αέρα.

Αντιμετώπιση προβλημάτων

<p>Το κλιματιστικό σταματά να λειτουργεί αφού λειτουργήσει για μικρό χρονικό διάστημα.</p>	➤	<ul style="list-style-type: none"> • Ελέγξτε αν έχει φτάσει στη θερμοκρασία ρύθμισης. → Κανονική λειτουργία. • Μπορεί να βρίσκεται σε κατάσταση απόψυξης. → Θα επαναφέρει αυτόματα την λειτουργία του μετά την διαδικασία απόψυξης. • Ο χρονοδιακόπτης απενεργοποίησης μπορεί να έχει ρυθμιστεί. → Εάν θέλετε να συνεχίσετε να το χρησιμοποιείτε, ενεργοποιήστε το ξανά.
<p>Η εσωτερική μονάδα εκπέμπει οσμή.</p>	➤	<ul style="list-style-type: none"> • Το ίδιο το κλιματιστικό δεν έχει ανεπιθύμητη οσμή. Εάν υπάρχει οσμή, μπορεί να οφείλεται στη συσσώρευση οσμών στο περιβάλλον. → Καθαρίστε το φίλτρο αέρα ή ενεργοποιήστε τη λειτουργία καθαρισμού.
<p>Υπάρχει ήχος τρεχούμενου νερού κατά τη λειτουργία του κλιματιστικού.</p>	➤	<ul style="list-style-type: none"> • Όταν το κλιματιστικό ενεργοποιείται / απενεργοποιείται ή ο συμπιεστής ξεκινήσει ή σταματήσει κατά τη διάρκεια της λειτουργίας, μερικές φορές μπορεί να ακουστεί ο ήπιος ήχος τρεχούμενου νερού. → Αυτό είναι ο ήχος της ροής του ψυκτικού μέσου, όχι κάποια δυσλειτουργία.
<p>Ένας απαλός ήχος «κλικ» ακούγεται κατά την εκκίνηση ή το κλείσιμο.</p>	➤	<ul style="list-style-type: none"> • Λόγω των αλλαγών της θερμοκρασίας, η πρόσοψη και άλλα εξαρτήματα θα διογκωθούν προκαλώντας τον ήχο τριβής. → Αυτό είναι φυσιολογικό, όχι κάποια δυσλειτουργία.
<p>Η εσωτερική μονάδα παράγει μη φυσιολογικό ήχο.</p>	➤	<ul style="list-style-type: none"> • Ο ήχος του ανεμιστήρα ή του ρελέ του συμπιεστή που ενεργοποιείται ή απενεργοποιείται. • Όταν ξεκινήσει η απόψυξη ή σταματήσει, θα ακουστεί. → Αυτό οφείλεται στο ότι το ψυκτικό υγρό ρέει στην αντίστροφη κατεύθυνση. Αυτό είναι φυσιολογικό, όχι κάποια δυσλειτουργία. • Η υπερβολική συσσώρευση σκόνης στο φίλτρο αέρα της εσωτερικής μονάδας μπορεί να προκαλέσει διακυμάνσεις του ήχου. → Καθαρίστε τα φίλτρα αέρα συχνά. • Έντονος θόρυβος αέρα όταν είναι ρυθμισμένο σε λειτουργία "Turbo". → Αυτό είναι φυσιολογικό, εάν αισθάνεστε άβολα, απενεργοποιήστε τη λειτουργία "Turbo".
<p>Υπάρχουν σταγόνες νερού επάνω στην επιφάνεια της εσωτερικής μονάδας.</p>	➤	<ul style="list-style-type: none"> • Όταν η υγρασία περιβάλλοντος είναι υψηλή, η υγρασία του αέρα θα υγροποιηθεί σε σταγόνες νερού γύρω από την έξοδο αέρα, την πρόσοψη κ.λπ. → Αυτό είναι φυσιολογικό, όχι κάποια δυσλειτουργία. • Η παρατεταμένη λειτουργία ψύξης σε ανοιχτό χώρο δημιουργεί υγροποίηση της υγρασίας του αέρα σε σταγόνες νερού. → Κλείστε τις πόρτες και τα παράθυρα. • Η πολύ μικρή γωνία ανοίγματος των πτερυγίων μπορεί επίσης να οδηγήσει σε εμφάνιση σταγόνων νερού στην είσοδο αέρα. → Αυξήστε τη γωνία των πτερυγίων.

Αντιμετώπιση προβλημάτων

Κατά τη λειτουργία ψύξης, η έξοδος της εσωτερικής μονάδας μερικές φορές θα εκπέμψει σταγονίδια νερού.



• Όταν η εσωτερική θερμοκρασία και η υγρασία είναι υψηλές, συμβαίνει μερικές φορές. → Αυτό οφείλεται στο γεγονός ότι ο εσωτερικός αέρας ψύχεται γρήγορα. Αφού λειτουργήσει για κάποιο χρονικό διάστημα, η εσωτερική θερμοκρασία και η υγρασία θα μειωθούν και τα εκπεμπόμενα σταγονίδια θα εξαφανιστούν.



Διακόψτε αμέσως την λειτουργία του κλιματιστικού και την παροχή ρεύματος και επικοινωνήστε με το Κέντρο Εξυπηρέτησης στις παρακάτω περιπτώσεις.

- ▲ Ακούτε οποιοδήποτε τραχύ ήχο ή μυρίζετε οποιαδήποτε άσχημη οσμή κατά τη διάρκεια της λειτουργίας.
- ▲ Παρουσιάζεται μη κανονική θέρμανση του καλωδίου τροφοδοσίας και του βύσματος.
- ▲ Η μονάδα ή το τηλεχειριστήριο έχει ακαθαρσίες ή νερό.
- ▲ Ο διακόπτης αεροδιάκενου ή ο διακόπτης προστασίας από διαρροή συχνά αποσυνδέονται.

Ειδοποιήσεις για την εγκατάσταση

Σημαντικές ειδοποιήσεις

- Πριν από την εγκατάσταση, παρακαλείστε να επικοινωνήσετε με το τοπικό εξουσιοδοτημένο κέντρο συντήρησης. Εάν η μονάδα δεν έχει εγκατασταθεί από εξουσιοδοτημένο κέντρο συντήρησης, η δυσλειτουργία μπορεί να μην επιλυθεί, λόγω προβληματικής σύνδεσης.
- Το κλιματιστικό πρέπει να εγκατασταθεί από επαγγελματίες σύμφωνα με τους εθνικούς κανόνες καλωδίωσης και αυτό το εγχειρίδιο.
- Η δοκιμή διαρροής ψυκτικού μέσου πρέπει να γίνει μετά την εγκατάσταση.
- Για να μετακινήσετε και να εγκαταστήσετε κλιματιστικό σε άλλο μέρος, επικοινωνήστε με εξουσιοδοτημένο τεχνικό.

Επιθεώρηση αποσυσκευασίας

- Ανοίξτε το κιβώτιο και ελέγξτε το κλιματιστικό σε περιοχή με καλό εξαερισμό (ανοίξτε την πόρτα και το παράθυρο) και χωρίς πηγή ανάφλεξης.
Σημείωση: Οι χειριστές καλούνται να φορούν αντιστατικές διατάξεις.
- Είναι απαραίτητο να ελεγχθεί από επαγγελματία εάν υπάρχει διαρροή ψυκτικού μέσου πριν ανοίξετε το κουτί του εξωτερικού μηχανήματος. Σταματήστε την εγκατάσταση του κλιματιστικού εάν βρεθεί διαρροή.
- Ο εξοπλισμός πρόληψης πυρκαγιάς και οι αντιστατικές προφυλάξεις πρέπει να προετοιμάζονται πριν από τον έλεγχο. Στη συνέχεια, ελέγξτε τον αγωγό ψυκτικού μέσου για να δείτε αν υπάρχουν ίχνη σύγκρουσης και εάν εξωτερική εικόνα είναι καλή.

Αρχές ασφαλείας για την εγκατάσταση του κλιματιστικού

- Η διάταξη πρόληψης πυρκαγιάς πρέπει να προετοιμαστεί πριν την εγκατάσταση.
- Συνεχίστε την εγκατάσταση με την περιοχή αεριζόμενη (ανοίξτε την πόρτα και το παράθυρο).
- Πηγή ανάφλεξης, κάπνισμα και τηλεφωνικές κλήσεις δεν επιτρέπεται να υπάρχουν στην περιοχή όπου βρίσκεται το ψυκτικό R32.
- Αντιστατικές προφυλάξεις είναι απαραίτητες για την εγκατάσταση του κλιματιστικού, π.χ. φορέστε βαμβακερά ρούχα και γάντια.
- Κρατήστε τον ανιχνευτή διαρροών σε κατάσταση λειτουργίας κατά τη διάρκεια της εγκατάστασης.
- Αν κατά τη διάρκεια της εγκατάστασης εμφανιστεί διαρροή ψυκτικού μέσου R32, θα πρέπει να ανιχνεύσετε αμέσως τη συγκέντρωση σε εσωτερικό χώρο έως ότου φθάσει σε ασφαλές επίπεδο. Αν η διαρροή ψυκτικού μέσου επηρεάζει την απόδοση του κλιματιστικού, παρακαλούμε να σταματήσετε αμέσως τη λειτουργία και το κλιματιστικό θα πρέπει πρώτα να υποστεί κενό και να επιστραφεί στο σταθμό συντήρησης για επεξεργασία.
- Κρατήστε ηλεκτρικές συσκευές, διακόπτες τροφοδοσίας, βύσματα, πρίζες, πηγές θερμότητας υψηλής θερμοκρασίας και υψηλής στατικότητας μακριά από την περιοχή κάτω και στα πλάγια της εσωτερικής μονάδας.
- Το κλιματιστικό θα πρέπει να εγκατασταθεί σε θέση προσιτή για εγκατάσταση και συντήρηση, χωρίς εμπόδια που ενδέχεται να μπλοκάρουν τις εισόδους ή τις εξόδους αέρα των εσωτερικών / εξωτερικών μονάδων και μακριά από πηγές θερμότητας, εύφλεκτες ή εκρηκτικές συνθήκες.

Ειδοποιήσεις για την εγκατάσταση

- Κατά την εγκατάσταση και επίσκεψή του κλιματιστικού και εάν η γραμμή σύνδεσης δεν είναι ικανοποιητικού μήκους, ολόκληρη η γραμμή σύνδεσης πρέπει να αντικατασταθεί με νέα γραμμή σύνδεσης, σύμφωνη με τις αρχικές προδιαγραφές. Η επέκταση δεν επιτρέπεται.
- Χρησιμοποιήστε νέο σωλήνα σύνδεσης, εκτός και εάν γίνει εκ νέου εκχείλωση και καθαρισμός του σωλήνα.

Απαιτήσεις για τη θέση εγκατάστασης

- Αποφύγετε τη διαρροή εύφλεκτων ή εκρηκτικών αερίων ή όπου υπάρχουν ισχυρά δραστικά αέρια.
- Αποφύγετε μέρη που υπόκεινται σε ισχυρά τεχνητά ηλεκτρικά / μαγνητικά πεδία.
- Αποφύγετε χώρους που υπόκεινται σε θόρυβο και συντονισμό.
- Αποφύγετε σοβαρές φυσικές καταστάσεις (π.χ. βαριά αιθάλη, ισχυρός αμμώδης άνεμος, άμεση ηλιοφάνεια ή πηγές θερμότητας υψηλής θερμοκρασίας).
- Αποφύγετε τις περιοχές που είναι κοντά στα παιδιά.
- Περιορίστε το μήκος σύνδεσης μεταξύ εσωτερικών και εξωτερικών μονάδων.
- Επιλέξτε από πού είναι εύκολο να εκτελέσετε συντήρηση και επισκευές και πού είναι καλός ο αερισμός.
- Η εξωτερική μονάδα δεν θα πρέπει να εγκατασταθεί με κανένα τρόπο που θα μπορούσε να καταλάβει διάδρομο, σκάλα, έξοδο, έξοδο κινδύνου, ράμπα ή οποιοδήποτε άλλο κοινόχρηστο χώρο.
- Η εξωτερική μονάδα εγκαθίσταται όσο το δυνατόν μακρύτερα από τις πόρτες και τα παράθυρα των γειτόνων καθώς και από τα πράσινα φυτά.

Επιθεώρηση περιβάλλοντος εγκατάστασης

- Ελέγξτε την πινακίδα τύπου της εξωτερικής μονάδας για να βεβαιωθείτε ότι το ψυκτικό μέσο είναι R32.
- Ελέγξτε το χώρο δαπέδου του δωματίου. Ο χώρος δεν πρέπει να είναι μικρότερος από τον αξιοποιήσιμο χώρο (5m²) των προδιαγραφών. Η εξωτερική μονάδα πρέπει να εγκαθίσταται σε καλά αεριζόμενο χώρο.
- Ελέγξτε το περιβάλλοντα χώρο του χώρου εγκατάστασης: R32 δεν πρέπει να εγκατασταθεί στον κλειστό χώρο του κτιρίου.
- Όταν χρησιμοποιείτε ηλεκτρικό τρυπάνι για να κάνετε τρύπες στον τοίχο, ελέγξτε πρώτα εάν υπάρχει προ-εντοιχισμένος αγωγός για νερό, ηλεκτρικό ρεύμα και φυσικό αέριο. Προτείνεται η χρήση τυχόν προβλεφθείσας οπής στον τοίχο.

Απαιτήσεις της δομής στήριξης

- Η βάση τοποθέτησης πρέπει να πληροί τα σχετικά εθνικά ή βιομηχανικά πρότυπα σε σχετικά με την αντοχή, με τις περιοχές συγκόλλησης και σύνδεσης να λαμβάνουν αντιοξειδωτική προστασία.
- Η ράβδος τοποθέτησης και η επιφάνεια που φέρει φορτίο πρέπει να μπορούν να αντέχουν 4 φορές ή περισσότερο το βάρος της μονάδας ή 200kg, όποιο είναι βαρύτερο.

Ειδοποιήσεις για την εγκατάσταση

- Η βάση τοποθέτησης της εξωτερικής μονάδας πρέπει να στερεώνεται με κοχλία διαστολής.
- Εξασφαλίστε την ασφαλή εγκατάσταση ανεξάρτητα από τον τύπο του τοίχου στον οποίο είναι εγκατεστημένο, για να αποτρέψετε πιθανή πτώση που θα μπορούσε να βλάψει άνθρωπο.

Απαιτήσεις ηλεκτρικής ασφάλειας

- Βεβαιωθείτε ότι χρησιμοποιείτε την ονομαστική τάση και το ειδικό κύκλωμα του κλιματιστικού για την τροφοδοσία ρεύματος. Επίσης η διάμετρος του καλωδίου ρεύματος πρέπει να πληροί τις εθνικές απαιτήσεις.
- Όταν το μέγιστο ρεύμα του κλιματιστικού είναι >16A, πρέπει να χρησιμοποιήσετε διακόπτη αεροδιάκενου ή διακόπτη προστασίας από διαρροή εξοπλισμένο με διατάξεις προστασίας.
- Το εύρος λειτουργίας είναι 90%~110% της τοπικής ονομαστικής τάσης. Ωστόσο, η ανεπαρκής παροχή ηλεκτρικού ρεύματος ενδέχεται να προκαλέσει δυσλειτουργία, ηλεκτροπληξία ή φωτιά. Εάν υπάρχει αστάθεια τάσης, προτείνεται η αύξηση του ρυθμιστή τάσης.
- Η ελάχιστη απόσταση μεταξύ κλιματιστικού και εύφλεκτων υλικών είναι 1,5 μ.
- Το καλώδιο διασύνδεσης συνδέει την εσωτερική και εξωτερική μονάδα. Πρέπει πρώτα να επιλέξετε το σωστό μέγεθος καλωδίου πριν το προετοιμάσετε για σύνδεση.
- Τύποι καλωδίων: Καλώδιο ρεύματος εξωτερικής μονάδας: H07RN-F ή H05RN-F.
Καλώδιο διασύνδεσης: H07RN-F ή H05RN-F.
- Ελάχιστη διατομή καλωδίου ρεύματος και καλωδίου διασύνδεσης.

Βόρεια Αμερική

Συσκευή Amps (A)	AWG
10	18
13	16
18	14
25	12
30	10
40	8

Άλλες Περιοχές

Ονομαστικό ρεύμα συσκευής (A)	Ονομαστική διατομή (mm ²)
>3 και ≤6	0.75
>6 και ≤10	1
>10 και ≤16	1.5
>16 και ≤25	2.5
>25 και ≤32	4
>32 και ≤40	6

- Το μέγεθος του καλωδίου διασύνδεσης, του καλωδίου ρεύματος, της ασφάλειας και του διακόπτη που απαιτείται καθορίζεται από το μέγιστο ρεύμα της μονάδας. Το μέγιστο ρεύμα εμφανίζεται στον πίνακα που βρίσκεται στο πλευρικό πλαίσιο της μονάδας. Ανατρέξτε σε αυτόν τον πίνακα για να επιλέξετε το σωστό καλώδιο, ασφάλεια και διακόπτη.
- **Σημείωση:** Ο αριθμός κλώνων του καλωδίου αναφέρεται στο λεπτομερές διάγραμμα συνδεσμολογίας που επικολλάται στη μονάδα.

Ειδοποιήσεις για την εγκατάσταση

Απαιτήσεις για εργασίες σε αυξημένο ύψος

- Όταν πραγματοποιείτε τοποθέτηση σε ύψος 2 μ. ή μεγαλύτερο, επάνω από το επίπεδο βάσης, πρέπει να φοράτε ζώνες ασφαλείας και να έχετε σταθερά σχοινιά επαρκούς αντοχής στην εξωτερική μονάδα, για να αποφύγετε πιθανή πτώση που θα μπορούσε να προκαλέσει τραυματισμό ή θάνατο καθώς και υλικές ζημιές.

Απαιτήσεις γείωσης

- Το κλιματιστικό είναι η ηλεκτρική συσκευή κατηγορίας I και πρέπει να εξασφαλίζεται αξιόπιστη γείωση.
- Μην συνδέετε το καλώδιο γείωσης σε αγωγό αερίου, σωλήνα νερού, αλεξικέραυνο, τηλεφωνική γραμμή ή κύκλωμα που δεν είναι καλά γειωμένο στη γη.
- Το καλώδιο γείωσης είναι ειδικά σχεδιασμένο και δεν πρέπει να χρησιμοποιείται για άλλους σκοπούς, ούτε πρέπει να στερεώνονται με απλή βίδα.
- Η διάμετρος του καλωδίου διασύνδεσης πρέπει να συνιστάται σύμφωνα με το εγχειρίδιο οδηγιών και με τον ακροδέκτη τύπου O που πληροί τα τοπικά πρότυπα (η εσωτερική διάμετρος του τερματικού τύπου O πρέπει να ταιριάζει με το μέγεθος της βίδας της μονάδας, όχι περισσότερο από 4,2mm). Μετά την εγκατάσταση, ελέγξτε τις βίδες αν έχουν σταθεροποιηθεί αποτελεσματικά και δεν υπάρχει κίνδυνος χαλάρωσής τους.

Λοιπά

- Η μέθοδος σύνδεσης του κλιματιστικού, του καλωδίου ρεύματος και η μέθοδος σύνδεσης κάθε ανεξάρτητου στοιχείου πρέπει να υπόκεινται στο διάγραμμα συνδεσμολογίας που έχει τοποθετηθεί στο μηχάνημα.
- Το μοντέλο και η διαβάθμιση της ηλεκτρικής ασφάλειας πρέπει να υπόκεινται στην αναγραφόμενη του αντίστοιχου ελεγκτή ή στο χιτώνιο της ηλεκτρικής ασφάλειας.

Κατάλογος συσκευασίας

Κατάλογος εξαρτημάτων συσκευασίας εσωτερικής μονάδας

Όνομα	Ποσότη.	Μον.
Εσωτερική μονάδα	1	Τεμ.
Ασύρματο χειριστήριο	1	Τεμ.
Μπαταρίες (AAA)	2	Τεμ.
Εγχειρίδιο ιδιοκτήτη	1	Σετ
Σωλήνας αποστράγγισης	1	Τεμ.

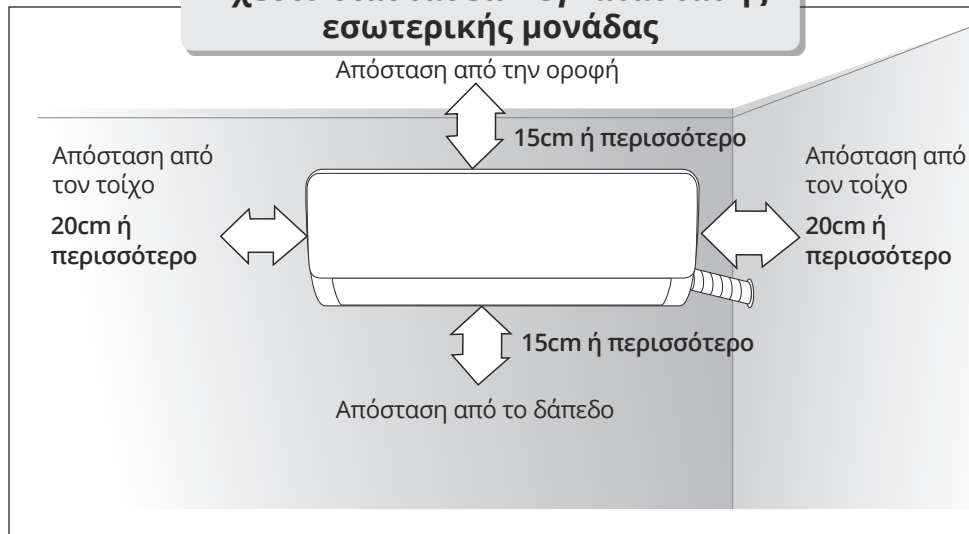
Κατάλογος εξαρτημάτων συσκευασίας εξωτερικής μονάδας

Όνομα	Ποσότη.	Μον.
Εξωτερική μονάδα	1	Τεμ.
Σωλήνας σύνδεσης	2	Τεμ.
Πλαστικός μάντας	1	Ρολό
Δακτύλιος προστασίας σωλήνα	1	Τεμ.
Φραγή (στόκος)	1	Πακέτο

ΣΗΜΕΙΩΣΗ: Όλα τα εξαρτήματα που αναγράφονται είναι ενδεικτικά και μπορεί να διαφοροποιηθούν χωρίς προηγούμενη ενημέρωση.

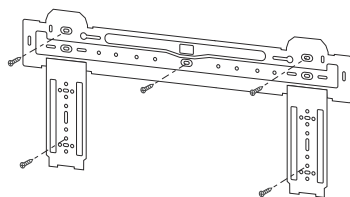
Εγκατάσταση εσωτερικής μονάδας

Σχέδιο διαστάσεων εγκατάστασης εσωτερικής μονάδας



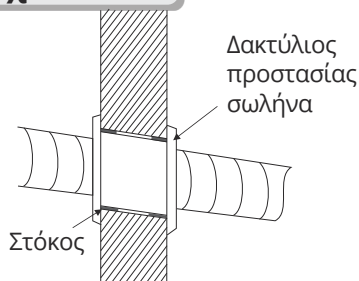
Πλάτη στήριξης

1. Ο τοίχος για την εγκατάσταση της εσωτερικής μονάδας πρέπει να είναι σκληρός και σταθερός, έτσι ώστε να αποφεύγονται οι κραδασμοί.
2. Χρησιμοποιήστε τη βίδα τύπου «+» για να στερεώσετε την διάτρητη πλάτη στήριξης, στερεώστε την οριζόντια στον τοίχο και εξασφαλίστε ότι είναι καλά τοποθετημένη οριζοντίως και καθέτως.
3. Τραβήξτε την πλάτη στήριξης με το χέρι μετά την εγκατάσταση, για να επιβεβαιώσετε εάν είναι σταθερή.



Δημιουργία οπής τοίχου

1. Κάνετε μια οπή με ένα ηλεκτρικό σφυρί ή ένα τρυπάνι στην προκαθορισμένη θέση στον τοίχο για σωληνώσεις, οι οποίες πρέπει να κλίνουν προς τα κάτω κατά 5° ~ 10° .
2. Προκειμένου να προστατευθούν οι σωληνώσεις και τα καλώδια που διέρχονται από τον τοίχο από φθορά και από τρωκτικά που μπορεί να παρευρεθούν στο εσωτερικό του τοίχου, πρέπει να εγκατασταθεί ένας δακτύλιος προστασίας για την σωλήνα και να σφραγιστεί με στόκο.

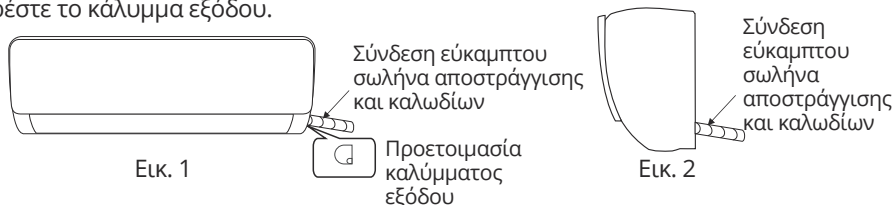


Σημείωση: Συνήθως, η οπή στον τοίχο είναι $\Phi 60\text{mm}$ ~ $\Phi 80\text{mm}$. Αποφύγετε εντοιχισμένα καλώδια ρεύματος και σκληρό τοίχωμα κατά τη δημιουργία της οπής.

Εγκατάσταση εσωτερικής μονάδας

Διαδρομή του αγωγού

1. Ανάλογα με τη θέση της μονάδας, οι σωληνώσεις μπορούν να κατευθύνονται πλάγια από τα αριστερά ή τα δεξιά (Εικ. 1) ή κάθετα από πίσω (Εικ. 2) (ανάλογα με το μήκος σωληνώσεων της εσωτερικής μονάδας). Στην περίπτωση της διαδρομής στο πλάι, αφαιρέστε το κάλυμμα εξόδου.



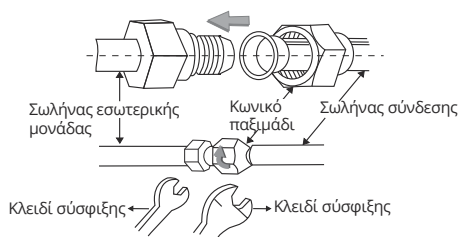
Σύνδεση σωλήνα αποστράγγισης

1. Αφαιρέστε το σταθερό μέρος για να τραβήξετε έξω το σωλήνα του εσωτερικού μηχανήματος από το περίβλημα. Βιδώστε το εξαγωγικό παξιμάδι στα αριστερά του συνδέσμου έως το τέλος με το χέρι σας.
2. Συνδέστε το σωλήνα σύνδεσης στην εσωτερική μονάδα:
Στοχεύστε στο κέντρο του σωλήνα, σφίξτε το κωνικό παξιμάδι με τα δάκτυλα και, στη συνέχεια, σφίξτε το κωνικό παξιμάδι με ένα κλειδί κατά την κατεύθυνση που φαίνεται στο διάγραμμα δεξιά. Η ροπή που πρέπει να χρησιμοποιηθεί φαίνεται στον ακόλουθο πίνακα.

Σημείωση: Ελέγξτε προσεκτικά εάν υπάρχει φθορά στους συνδέσμους πριν από την εγκατάσταση. Οι σύνδεσμοι δεν πρέπει να ξαναχρησιμοποιηθούν, εκτός και εάν γίνει εκ νέου εκχέλιωση και καθαρισμός του σωλήνα.

Πίνακας ροπής σύσφιξης

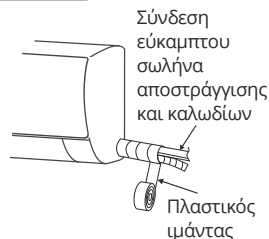
Διατομή σωλήνα (mm)	Ροπή (N•m)
Φ6 / Φ6.35	15~25
Φ9 / Φ9.52	35~40
Φ12 / Φ12.7	45~60
Φ15.88	73~78
Φ19.05	75~80



Εγκατάσταση εσωτερικής μονάδας

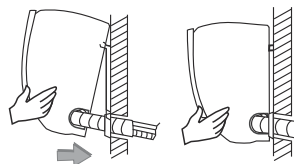
Τύλιξη των σωληνώσεων

1. Χρησιμοποιήστε μονωτικό περίβλημα για να τυλίξετε το εξάρτημα σύνδεσης της μονάδας και του σωλήνα σύνδεσης, εσωτερικά και στη συνέχεια να χρησιμοποιήσετε μονωτικό υλικό για τη συσκευασία και τη στεγανοποίηση με μόνωση του σωλήνα, ώστε να αποφευχθεί η δημιουργία νερού συμπύκνωσης στο εξάρτημα σύνδεσης.
2. Συνδέστε την έξοδο νερού με τους σωλήνες αποστράγγισης και συνδέστε το σωλήνα σύνδεσης, τα καλώδια και τον εύκαμπτο σωλήνα αποστράγγισης.
3. Χρησιμοποιήστε πλαστικούς δεσμούς καλωδίων για να τυλίξετε τους σωλήνες σύνδεσης, τα καλώδια και τον σωλήνα αποστράγγισης. Τοποθετήστε το σωλήνα με κλίση προς τα κάτω.



Σταθεροποίηση της εσωτερικής μονάδας

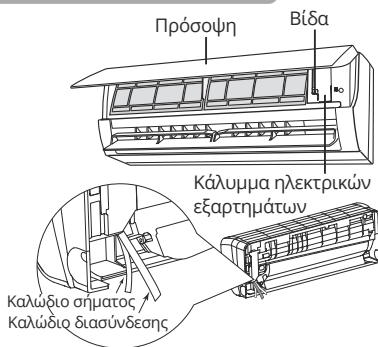
1. Κρεμάστε την εσωτερική μονάδα στην πλάτη στήριξης και μετακινήστε τη μονάδα από τα αριστερά προς τα δεξιά για να βεβαιωθείτε ότι το άγκιστρο είναι σωστά τοποθετημένο στον διάτρητο πίνακα.
2. Σπρώξτε προς την κάτω αριστερή πλευρά και την επάνω δεξιά πλευρά της μονάδας προς τον διάτρητο πίνακα, έως ότου το άγκιστρο έχει εισέλθει στην υποδοχή και κάνει έναν ήχο «κλικ».



Συνδεσμολογία καλωδίων επικοινωνίας

● Σύνδεση καλωδίωσης εσωτερικής μονάδας

1. Ανοίξτε την πρόσοψη της μονάδας, αφαιρέστε τις βίδες του καλύμματος των ηλεκτρικών εξαρτημάτων και αφαιρέστε το.
2. Περάστε τα καλώδια διασύνδεσης από την οπή της πίσω πλευράς της μονάδας ώστε να βγουν από την μπροστινή πλευρά. (κάποια μοντέλα δεν έχουν καλώδιο σήματος)
3. Αφαιρέστε τον σύνδεσμο/κλιπ των καλωδίων; συνδέστε τα καλώδια διασύνδεσης αντιστοίχως στους αντίστοιχους ακροδέκτες της πλακέτας ακροδεκτών της εσωτερικής μονάδας σύμφωνα με το διάγραμμα συνδεσμολογίας παρακάτω; Σφίξτε τις βίδες και στην συνέχεια ασφαλίστε τα καλώδια με τον σύνδεσμο/κλιπ.

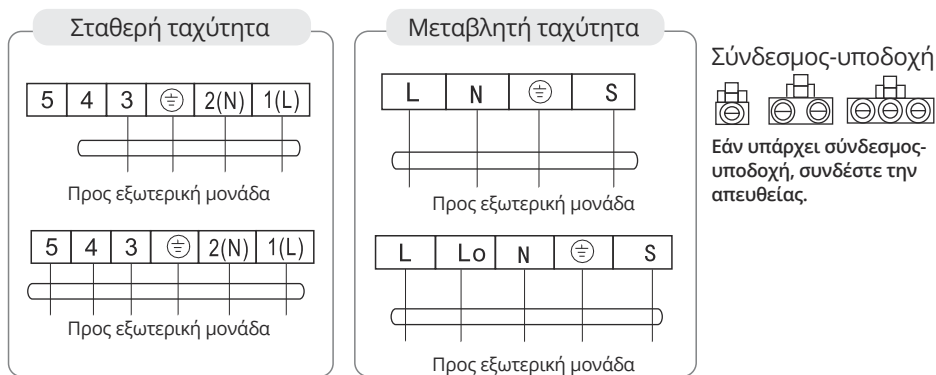


Εγκατάσταση εσωτερικής μονάδας

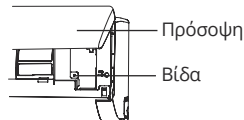
ΣΗΜΕΙΩΣΗ:

Το παρόν εγχειρίδιο περιλαμβάνει οδηγίες συνδεσμολογίας για διάφορα μοντέλα κλιματιστικών. Υπάρχει η πιθανότητα κάποιες ιδιαίτερες συνδεσμολογίες καλωδίωσης να μην συμπεριλαμβάνονται.

Το διάγραμμα είναι για αναφορά μόνο. Αν το πραγματικό προϊόν διαφέρει από το διάγραμμα, παρακαλούμε ανατρέξτε στο διάγραμμα που συμπεριλαμβάνεται επάνω στην μονάδα.



4. Τοποθετήστε το κάλυμμα των ηλεκτρικών εξαρτημάτων στην μονάδα και σφίξτε τις βίδες.
5. Κλείστε την πρόσοψη.

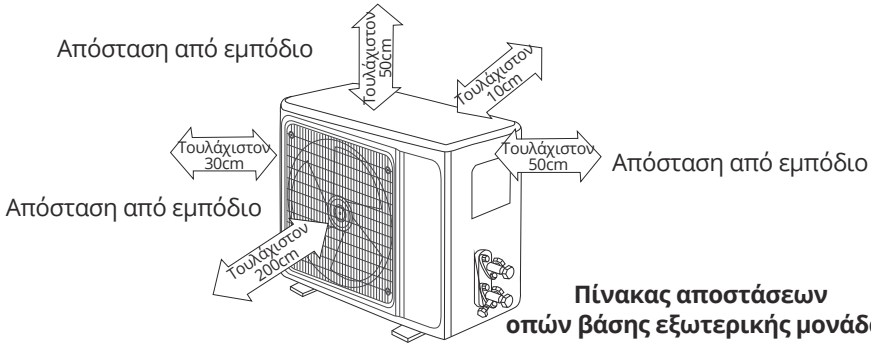


● Έλεγχοι μετά την εγκατάσταση

1. Ελέγξτε ότι οι βίδες έχουν συσφιχθεί καλά και δεν υπάρχει κίνδυνος χαλάρωσής τους.
2. Ελέγξτε ότι η οθόνη του κλιματιστικού είναι συνδεδεμένη καλά και στην σωστή υποδοχή χωρίς να ακουμπήσετε επάνω στα ηλεκτρολογικά εξαρτήματα.
3. Ελέγξτε ότι το κάλυμμα των ηλεκτρικών εξαρτημάτων είναι ασφαλισμένο καλά.

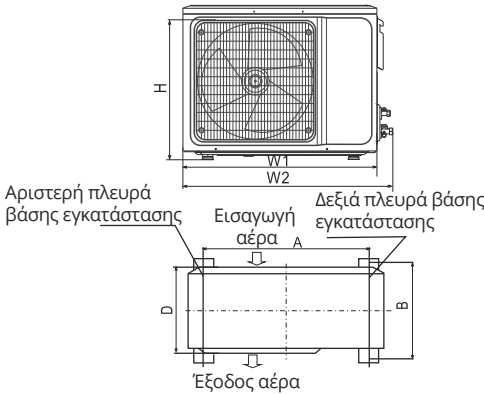
Εγκατάσταση εξωτερικής μονάδας

Σχέδιο διαστάσεων εγκατάστασης εξωτερικής μονάδας



**Πίνακας αποστάσεων
οπών βάσης εξωτερικής μονάδας**

Εξωτερική μονάδα μεγέθους σχήματος W1 (W2) * Υ*B (mm)	A (mm)	B (mm)
665(710)×420×280	430	280
600(645)×485×260	400	290
660(710)×500×240	500	260
700(745)×500×255	460	260
730(780)×545×285	540	280
760(810)×545×285	540	280
790(840)×550×290	545	300
800(860)×545×315	545	315
800(850)×590(690)×310	540	325
825(880)×655×310	540	335
900(950)×700×350	630	350
900(950)×795×330	535	350
970(1044)×803×395	675	409

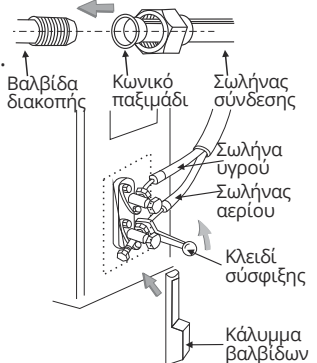


Τοποθέτηση του σωλήνα σύνδεσης

Συνδέστε την εξωτερική μονάδα με το σωλήνα σύνδεσης:
Στρέψτε την κωνική διεύρυνση του σωλήνα σύνδεσης στη βαλβίδα διακοπής και σφίξτε το κωνικό παξιμάδι με τα δάκτυλα.
Στη συνέχεια, σφίξτε το κωνικό παξιμάδι με ένα κλειδί.

- Κατά την προέκταση των σωληνώσεων πρέπει να προστεθεί επιπλέον ποσότητα ψυκτικού μέσου έτσι ώστε να μην υπονομευθεί η λειτουργία και η απόδοση του κλιματιστικού.

Μήκος σωληνώσεων	Ποσότητα ψυκτικού που πρέπει να προστεθεί		Ποσότητα ψυκτικού μέσου για τη μονάδα
≤5M	Δεν χρειάζεται		
5-15M	CC≤1200Btu	16g/m	≤1kg
	CC≥1800Btu	24g/m	≤2kg



Σημείωση: 1. Αυτός ο πίνακας είναι μόνο για αναφορά.

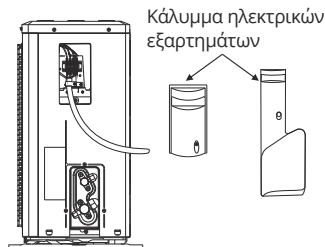
2. Οι σύνδεσμοι δεν πρέπει να ξαναχρησιμοποιηθούν, εκτός και εάν γίνει εκ νέου εκχέλιση και καθαρισμός του σωλήνα.

3. Μετά την εγκατάσταση, ελέγξτε εάν το κάλυμμα των βαλβίδων είναι σταθεροποιημένο.

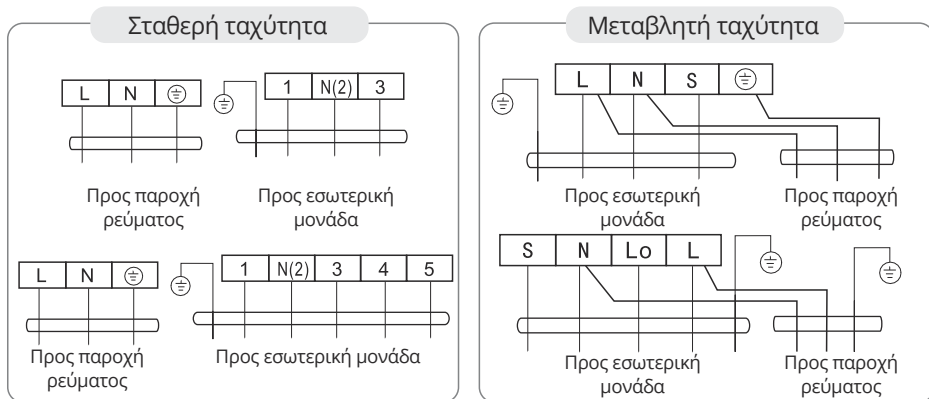
Εγκατάσταση εξωτερικής μονάδας

Σύνδεση καλωδίωσης εσωτερικής μονάδας

1. Ξεσφίξτε τις βίδες και αφαιρέστε τα καλύμματα των ηλεκτρικών εξαρτημάτων, όπως φαίνεται στο σχήμα δεξιά.
2. Συνδέστε τα καλώδια διασύνδεσης αντιστοίχως στους αντίστοιχους ακροδέκτες της πλακέτας ακροδεκτών της εξωτερικής (σύμφωνα με το διάγραμμα παρακάτω) και αν υπάρχουν σήματα που συνδέονται με βύσμα, απλώς συνδέστε το άκρο.
3. Καλώδιο γείωσης: Αφαιρέστε τη βίδα γείωσης από τον ηλεκτρικό πίνακα της μονάδας, συνδέστε το άκρο του καλωδίου γείωσης στη βίδα γείωσης και βιδώστε την σφιχτά στην οπή γείωσης.
4. Στερεώστε καλά το καλώδιο με τους συνδέσμους.
5. Τοποθετήστε τα καλύμματα των ηλεκτρικών εξαρτημάτων στην αρχική τους θέση και στερεώστε τα με τις βίδες.



Διάγραμμα συνδεσμολογίας



Σύνδεσμος



Εάν υπάρχει σύνδεσμος, συνδέστε απευθείας.

ΣΗΜΕΙΩΣΗ:

- Το παρόν εγχειρίδιο περιλαμβάνει οδηγίες συνδεσμολογίας για διάφορα μοντέλα κλιματιστικών. Υπάρχει η πιθανότητα κάποιες ιδιαίτερες συνδεσμολογίες καλωδίωσης να μην συμπεριλαμβάνονται.
- Το διάγραμμα είναι για αναφορά μόνο. Αν το πραγματικό προϊόν διαφέρει από το διάγραμμα, παρακαλούμε ανατρέξτε στο διάγραμμα που συμπεριλαμβάνεται επάνω στην μονάδα.

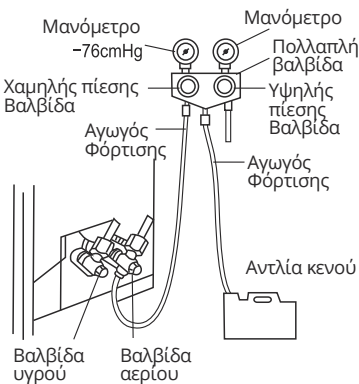
Εγκατάσταση εξωτερικής μονάδας

Εξαέρωση

★ Πρέπει να χρησιμοποιείται ειδική αντλία ψυκτικού μέσου R32 για την εξαέρωση του ψυκτικού μέσου R32.

Πριν από την εργασία στο κλιματιστικό μηχάνημα, αφαιρέστε το κάλυμμα των βαλβίδων (αερίου και υγρού) και βεβαιωθείτε ότι τις σφίξατε ξανά (για να αποτρέψετε πιθανή διαρροή αέρα).

1. Για να αποφύγετε διαρροή, σφίξτε όλα τα παξιμάδια σύνδεσης όλων των εύκαμπτων σωλήνων.
2. Συνδέστε τη βαλβίδα διακοπής, τον εύκαμπτο σωλήνα πλήρωσης, τη βαλβίδα πολλαπλής και την αντλία κενού.
3. Ανοίξτε πλήρως τη λαβή Lo της βαλβίδας πολλαπλής και εφαρμόστε κενό για τουλάχιστον 15 λεπτά και ελέγξτε ότι ο μετρητής κενού διαβάζει -0.1MPa (-76cmHg).
4. Μετά την εφαρμογή κενού, ανοίξτε πλήρως τη βαλβίδα διακοπής με ένα εξάγωνο κλειδί.
5. Ελέγξτε ότι τόσο οι εσωτερικές όσο και οι εξωτερικές συνδέσεις είναι απαλλαγμένες από διαρροή αέρα.

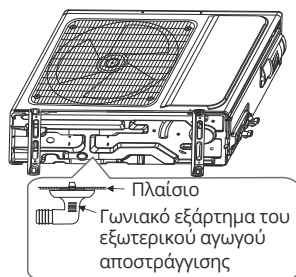


Αποστράγγιση συμπυκνωμάτων Εξωτερικής (αφορά μόνο μονάδες ψύξης-θέρμανσης)

Όταν η μονάδα θερμαίνεται, το νερό συμπύκνωσης και το νερό απόψυξης μπορούν να απομακρυνθούν αξιόπιστα μέσω της αποχέτευσης.

Εγκατάσταση:

Τοποθετήστε το γωνιακό εξάρτημα του εξωτερικού αγωγού αποστράγγισης στην τρύπα $\Phi 25$ στην πλάκα βάσης και συνδέστε τον εύκαμπτο σωλήνα αποστράγγισης στο γωνιακό εξάρτημα, έτσι ώστε το νερό που σχηματίζεται στην εξωτερική μονάδα να μπορεί να αποστραγγιστεί.



Έλεγχος εγκατάστασης και λειτουργία δοκιμής

Έλεγχος μετά την εγκατάσταση

Έλεγχος ηλεκτρικής ασφάλειας

1. Εάν η τάση τροφοδοσίας είναι όπως απαιτείται.
2. Εάν υπάρχει κάποια ελαττωματική ή κακή σύνδεση για κάθε καλώδιο τροφοδοσίας, σήματος και γείωσης.
3. Εάν το καλώδιο γείωσης του κλιματιστικού είναι καλά γειωμένο.

Έλεγχος ασφαλείας εγκατάστασης

1. Εάν η εγκατάσταση είναι ασφαλής.
2. Εάν η αποστράγγιση του νερού είναι ομαλή.
3. Εάν η καλωδίωση και οι σωληνώσεις έχουν εγκατασταθεί σωστά.
4. Έλεγχος ότι δεν υπάρχουν εργαλεία ή λοιπά αντικείμενα μέσα στη μονάδα.
5. Έλεγχος ότι ο αγωγός ψυκτικού μέσου είναι καλά προστατευμένος.

Δοκιμή διαρροής του ψυκτικού μέσου

Ανάλογα με τη μέθοδο εγκατάστασης, μπορούν να χρησιμοποιηθούν οι ακόλουθες μέθοδοι για τον έλεγχο διαρροής σε σημεία όπως οι τέσσερις συνδέσεις της εξωτερικής μονάδας και οι βαλβίδες διακοπής και t:

1. Μέθοδος φυσαλίδας: Εφαρμόστε ή ψεκάστε ένα ομοιόμορφο στρώμα σαπουνιού πάνω από το πιθανό σημείο διαρροής και παρατηρήστε προσεκτικά τη φυσαλίδα.
2. Μέθοδος οργάνου: Ελέγξτε για διαρροή κατευθύνοντας τον αισθητήρα του ανιχνευτή διαρροών σύμφωνα με τις οδηγίες στα πιθανά σημεία διαρροής.

Σημείωση: Βεβαιωθείτε ότι ο εξαερισμός είναι καλός πριν ελέγξετε.

Δοκιμαστική λειτουργία

Δοκιμαστική λειτουργία

- Βεβαιωθείτε ότι όλες οι σωληνώσεις και τα καλώδια σύνδεσης είναι καλά συνδεδεμένα.
- Βεβαιωθείτε ότι οι βαλβίδες στην πλευρά του αερίου και στην πλευρά του υγρού είναι πλήρως ανοιχτές.
- Συνδέστε το καλώδιο ρεύματος σε ανεξάρτητη πρίζα.
- Τοποθετήστε μπαταρίες στο τηλεχειριστήριο.

Σημείωση: Βεβαιωθείτε ότι ο εξαερισμός είναι καλός πριν από τη δοκιμή.

Μέθοδος δοκιμαστικής λειτουργίας:

1. Ενεργοποιήστε την τροφοδοσία ρεύματος και πιέστε το διακόπτη ON / OFF του τηλεχειριστηρίου για να εκκινήσετε το κλιματιστικό.
2. Επίλέξτε COOL, HEAT (δεν διατίθεται σε μοντέλα μόνο για ψύξη), SWING και άλλους τρόπους λειτουργίας με το τηλεχειριστήριο και δείτε εάν η λειτουργία είναι εντάξει.

Σημειώσεις συντήρησης

Προσοχή:

Για συντήρηση ή απόσυρση, απευθυνθείτε σε εξουσιοδοτημένα κέντρα τεχνικής εξυπηρέτησης.

Η συντήρηση από μη εξουσιοδοτημένο άτομο μπορεί να προκαλέσει κινδύνους. Τροφοδοτήστε το κλιματιστικό με ψυκτικό μέσο R32 και διατηρήστε το κλιματιστικό σε αυστηρή συμφωνία με τις απαιτήσεις του κατασκευαστή.

Το κεφάλαιο αυτό επικεντρώνεται κυρίως στις ειδικές απαιτήσεις συντήρησης για συσκευή με ψυκτικό R32. Ζητήστε από τον επισκευαστή να διαβάσει το εγχειρίδιο τεχνικής εξυπηρέτησης μετά την πώληση για λεπτομερείς πληροφορίες.

Απαιτήσεις πιστοποίησης του προσωπικού συντήρησης

1. Απαιτείται ειδική εκπαίδευση επιπλέον των συνήθων διαδικασιών επισκευής του ψυκτικού εξοπλισμού όταν αφορά εξοπλισμό με εύφλεκτα ψυκτικά μέσα. Σε πολλές χώρες, η κατάρτιση αυτή διεξάγεται από εθνικούς οργανισμούς κατάρτισης που είναι διαπιστευμένοι για να διδάξουν τα σχετικά εθνικά πρότυπα ικανότητας που ενδέχεται να ορίζονται στη νομοθεσία. Η επιτευχθείσα ικανότητα πρέπει να τεκμηριώνεται με πιστοποιητικό.
2. Η συντήρηση και η επισκευή του κλιματιστικού πρέπει να διεξάγονται σύμφωνα με τη μέθοδο που συνιστά ο κατασκευαστής. Εάν χρειάζονται άλλοι επαγγελματίες για να συστηρήσουν και να επισκευάσουν τον εξοπλισμό, αυτό θα πρέπει να γίνεται υπό την επίβλεψη ατόμων που έχουν τα προσόντα για επισκευή κλιματιστικών με εύφλεκτο ψυκτικό μέσο.

Έλεγχος επί τόπου

Πρέπει να διενεργηθεί επιθεώρηση ασφαλείας πριν τη συντήρηση του εξοπλισμού με ψυκτικό μέσο R32 για να διασφαλιστεί ότι ο κίνδυνος πυρκαγιάς έχει ελαχιστοποιηθεί. Ελέγξτε αν ο χώρος είναι καλά αεριζόμενος, αν είναι αντιστατικός και ο εξοπλισμός πρόληψης πυρκαγιάς είναι λειτουργικός. Κατά τη συντήρηση του συστήματος ψύξης, πριν τη λειτουργία του συστήματος, τηρήστε τις ακόλουθες προφυλάξεις.

Λειτουργικές διαδικασίες

1. Γενικός χώρος εργασίας:
Όλοι οι υπάλληλοι συντήρησης και άλλοι που εργάζονται στην περιοχή ενημερώνονται για τη φύση της εργασίας που εκτελείται. Πρέπει να αποφεύγεται η εργασία σε κλειστούς χώρους. Η περιοχή γύρω από τον χώρο εργασίας διαχωρίζεται. Βεβαιωθείτε ότι οι συνθήκες εντός της περιοχής έχουν γίνει ασφαλείς μέσω του ελέγχου εύφλεκτου υλικού.
2. Έλεγχος για την παρουσία ψυκτικού μέσου:
Η περιοχή ελέγχεται με κατάλληλο ανιχνευτή ψυκτικού μέσου πριν και κατά τη διάρκεια της εργασίας, για να εξασφαλιστεί ότι ο τεχνικός γνωρίζει εάν υπάρχουν δυνητικά τοξικές ή εύφλεκτες συνθήκες. Βεβαιωθείτε ότι ο χρησιμοποιούμενος εξοπλισμός ανίχνευσης διαρροών είναι κατάλληλος για χρήση με όλα τα σχετικά ψυκτικά μέσα, π.χ. χωρίς σπινθήρες, κατάλληλα σφραγισμένοι ή εγγενώς ασφαλείς.
3. Παρουσία πυροσβεστήρα:
Εάν πρέπει να διεξαχθεί καυτή εργασία στον εξοπλισμό ψύξης ή σε οποιαδήποτε συναφή μέρη, πρέπει να είναι διαθέσιμος ο κατάλληλος εξοπλισμός πυρόσβεσης. Έχετε ένα πυροσβεστήρα ξηρής σκόνης ή CO₂ δίπλα στην περιοχή πλήρωσης.

Σημειώσεις συντήρησης

4. Δεν υπάρχουν πηγές ανάφλεξης:

Κανένα πρόσωπο που εκτελεί εργασίες σε σύστημα ψύξης που περιλαμβάνουν έκθεση οποιωνδήποτε σωληνώσεων δεν πρέπει να χρησιμοποιεί οποιαδήποτε πηγή ανάφλεξης κατά τρόπο που να μπορεί να οδηγήσει σε κίνδυνο πυρκαγιάς ή έκρηξης. Όλες οι πιθανές πηγές ανάφλεξης, συμπεριλαμβανομένου του καπνίσματος τσιγάρων, θα πρέπει να διατηρούνται αρκετά μακριά από το σημείο εγκατάστασης, επισκευής, αφαίρεσης και απόρριψης, κατά τη διάρκεια των οποίων το ψυκτικό μπορεί να απελευθερωθεί στον περιβάλλοντα χώρο. Πριν από τη διεξαγωγή της εργασίας, πρέπει να ελεγχθεί η περιοχή γύρω από τον εξοπλισμό για να βεβαιωθείτε ότι δεν υπάρχει κίνδυνος ανάφλεξης. Πρέπει να εμφανίζονται τα σύμβολα « Απαγορεύεται το Κάπνισμα ».

5. Αεριζόμενη περιοχή (ανοίξετε την πόρτα και το παράθυρο):

Βεβαιωθείτε ότι η περιοχή είναι ανοικτή ή ότι είναι επαρκώς αεριζόμενη πριν ανοίξετε το σύστημα ή πραγματοποιήσετε οποιαδήποτε θερμή εργασία. Ένας βαθμός αερισμού πρέπει να συνεχίζεται κατά τη διάρκεια της περιόδου εκτέλεσης του έργου. Ο εξαερισμός θα πρέπει να διασκορπίζει με ασφάλεια οποιοδήποτε απελευθερούμενο ψυκτικό μέσο και κατά προτίμηση να το εκδιώκει εξωτερικά στην ατμόσφαιρα.

6. Έλεγχοι στον εξοπλισμό ψύξης:

Όταν αλλάζονται ηλεκτρικά εξαρτήματα, πρέπει να είναι κατάλληλα για το σκοπό και τις σωστές προδιαγραφές. Πρέπει πάντα να τηρούνται οι οδηγίες συντήρησης και σέρβις του κατασκευαστή. Σε περίπτωση αμφιβολίας, συμβουλευτείτε το τεχνικό τμήμα του κατασκευαστή για βοήθεια. Οι ακόλουθοι έλεγχοι πρέπει να εφαρμόζονται στις εγκαταστάσεις που χρησιμοποιούν εύφλεκτα ψυκτικά μέσα:

- Το μέγεθος πλήρωσης είναι σύμφωνο με το μέγεθος του χώρου στο οποίο είναι εγκατεστημένα τα μέρη που περιέχουν ψυκτικό.
- Τα μηχανήματα αερισμού και οι έξοδοι λειτουργούν επαρκώς και δεν εμποδίζονται.
- Εάν χρησιμοποιείται ένα έμμεσο κύκλωμα ψύξης, το δευτερεύον κύκλωμα πρέπει να ελέγχεται για την παρουσία ψυκτικού μέσου.
- Ο σωλήνας ή τα εξαρτήματα ψύξης είναι τοποθετημένοι σε μια θέση όπου είναι απίθανο να εκτεθούν σε οποιαδήποτε ουσία η οποία μπορεί να διαβρώσει εξαρτήματα που περιέχουν ψυκτικό μέσο, εκτός εάν τα εξαρτήματα είναι κατασκευασμένα από υλικά που είναι εγγενώς ανθεκτικά σε διαβρώσεις ή είναι κατάλληλα προστατευμένα έναντι τέτοιας διάβρωσης.

7. Έλεγχοι σε ηλεκτρικές διατάξεις:

Η επισκευή και η συντήρηση των ηλεκτρικών εξαρτημάτων πρέπει να περιλαμβάνει τους αρχικούς ελέγχους ασφαλείας και τις διαδικασίες επιθεώρησης εξαρτημάτων. Εάν υπάρχει βλάβη που θα μπορούσε να θέσει σε κίνδυνο την ασφάλεια, τότε δεν πρέπει να συνδεθεί στο κύκλωμα ηλεκτρική παροχή μέχρι να αντιμετωπιστεί ικανοποιητικά. Αν η βλάβη δεν μπορεί να διορθωθεί αμέσως, αλλά είναι απαραίτητο να συνεχιστεί η λειτουργία της, πρέπει να χρησιμοποιηθεί κατάλληλη προσωρινή λύση. Αυτό πρέπει να αναφέρεται στον ιδιοκτήτη του εξοπλισμού, ώστε να ενημερώνονται όλα τα εμπλεκόμενα μέρη.

Οι αρχικοί έλεγχοι ασφαλείας πρέπει να περιλαμβάνουν:

- Ότι οι πυκνωτές απορρίπτονται: αυτό πρέπει να γίνει με ασφαλή τρόπο για να αποφευχθεί η πιθανότητα σπινθήρα.
- Ότι δεν εκτίθενται ηλεκτρικά εξαρτήματα και καλώδια υπό τάση κατά την πλήρωση, ανάκτηση ή καθαρισμό του συστήματος.
- Διατηρήστε τη συνέχεια της γείωσης.

Έλεγχος καλωδίων

Ελέγξτε το καλώδιο για φθορά, διάβρωση, υπέρταση, κραδασμούς και ελέγξτε εάν υπάρχουν αιχμηρές άκρες και άλλες δυσμενείς επιπτώσεις στον περιβάλλοντα χώρο. Κατά τη διάρκεια της επιθεώρησης, θα πρέπει να λαμβάνεται υπόψη η επίδραση της γήρανσης τους, καθώς και των συνεχών κραδασμών του συμπιεστή και του ανεμιστήρα.

Έλεγχος διαρροής ψυκτικού μέσου R32

Σημείωση: Ελέγξτε τη διαρροή του ψυκτικού μέσου σε περιβάλλον όπου δεν υπάρχει πιθανή πηγή ανάφλεξης. Δεν πρέπει να χρησιμοποιείται ανιχνευτής αλογόνου (ή οποιοσδήποτε άλλος ανιχνευτής που χρησιμοποιεί ανοικτή φλόγα).

Μέθοδος ανίχνευσης διαρροών:

Για συστήματα με ψυκτικό R32, υπάρχει ηλεκτρονικό όργανο ανίχνευσης διαρροών και η ανίχνευση διαρροών δεν πρέπει να διεξάγεται σε περιβάλλον με ψυκτικό μέσο. Βεβαιωθείτε ότι ο ανιχνευτής διαρροών δεν θα αποτελέσει πιθανή πηγή ανάφλεξης και ότι είναι κατάλληλος για το μετρούμενο ψυκτικό μέσο. Ο ανιχνευτής διαρροών πρέπει να ρυθμιστεί για την ελάχιστη αναφλέξιμη συγκέντρωση καυσίμου (ποσοστό) του ψυκτικού μέσου. Βαθμονομήστε και ρυθμίστε τη σωστή συγκέντρωση αερίου (όχι περισσότερο από 25%) με το χρησιμοποιούμενο ψυκτικό μέσο.

Το υγρό που χρησιμοποιείται στην ανίχνευση διαρροών είναι κατάλληλο για τα περισσότερα ψυκτικά μέσα. Αλλά μην χρησιμοποιείτε διαλύτες χλωρίου για να αποτρέψετε την αντίδραση μεταξύ χλωρίου και ψυκτικών μέσων και τη διάβρωση του αγωγού χαλκού.

Εάν υποπτεύεστε μια διαρροή, αφαιρέστε οποιαδήποτε φωτιά από το χώρο ή βγάλτε έξω τη φωτιά.

Εάν το σημείο της διαρροής χρειάζεται να συγκολληθεί, τότε πρέπει να ανακτηθούν όλα τα ψυκτικά μέσα ή να απομονώσετε όλα τα ψυκτικά μέσα από το σημείο διαρροής (χρησιμοποιώντας βαλβίδα αποκοπής). Πριν και κατά τη διάρκεια της συγκόλλησης, χρησιμοποιήστε άζωτο άνευ οξυγόνου (OFN) για να καθαρίσετε ολόκληρο το σύστημα.

Αφαίρεση και Αντλία κενού

1. Βεβαιωθείτε ότι δεν υπάρχει αναφλεγόμενη πηγή φωτιάς κοντά στην έξοδο της αντλίας κενού και ότι ο εξαερισμός είναι καλός.
2. Αφήστε τη συντήρηση και άλλες λειτουργίες του κυκλώματος ψύξης να διεξάγονται σύμφωνα με τη γενική διαδικασία, αλλά και οι ακόλουθες βέλτιστες λειτουργίες, στις οποίες έχει ήδη ληφθεί υπόψη η ευφλεκτότητα, είναι σημαντικές. Πρέπει να ακολουθήσετε τις παρακάτω διαδικασίες:
 - Αφαιρέστε το ψυκτικό μέσο.
 - Απολυμάνετε τον αγωγό με αδρανή αέρια.
 - Δημιουργία κενού.
 - Απολυμάνετε ξανά τον αγωγό με αδρανή αέρια.
 - Κόψτε ή συγκολλήστε τον αγωγό.
3. Το ψυκτικό μέσο πρέπει να επιστραφεί στην κατάλληλη δεξαμενή αποθήκευσης. Το σύστημα θα πρέπει να διοχετεύεται με άζωτο χωρίς οξυγόνο για να εξασφαλίζεται η

Σημειώσεις συντήρησης

- ασφάλεια. Αυτή η διαδικασία μπορεί να χρειαστεί να επαναληφθεί αρκετές φορές. Η λειτουργία αυτή δεν πρέπει να γίνεται με χρήση πεπιεσμένου αέρα ή οξυγόνου.
4. Μέσω της διαδικασίας εμφύσησης, το σύστημα πληρώνεται με το άζωτο χωρίς οξυγόνο για να φτάσει στην πίεση λειτουργίας κάτω από την κατάσταση κενού, στη συνέχεια το άζωτο χωρίς οξυγόνο εκπέμπεται στην ατμόσφαιρα και τελικά, εξαερώνεται το σύστημα. Επαναλάβετε τη διαδικασία μέχρι να καθαριστούν όλα τα ψυκτικά μέσα από το σύστημα. Μετά την τελική πλήρωση του αζώτου χωρίς οξυγόνο, απελευθερώστε το αέριο στην ατμοσφαιρική πίεση και στη συνέχεια το σύστημα μπορεί να συγκολληθεί. Αυτή η λειτουργία είναι απαραίτητη για τη συγκόλληση του αγωγού.

Διαδικασίες πλήρωσης ψυκτικών μέσων

Ως συμπλήρωμα της γενικής διαδικασίας, πρέπει να προστεθούν οι ακόλουθες απαιτήσεις:

- Βεβαιωθείτε ότι δεν υπάρχει καμία επιμόλυνση μεταξύ διαφορετικών ψυκτικών μέσων όταν χρησιμοποιείτε μια συσκευή πλήρωσης ψυκτικού μέσου. Ο αγωγός για τη φόρτωση των ψυκτικών μέσων πρέπει να είναι όσο το δυνατόν κοννότερος για να μειώνονται τα υπολείμματα των ψυκτικών μέσων.
- Οι δεξαμενές αποθήκευσης πρέπει να παραμένουν κάθετα προς τα επάνω.
- Βεβαιωθείτε ότι οι καλωδιώσεις γείωσης έχουν ήδη ληφθεί πριν το ψυκτικό σύστημα πληρωθεί με ψυκτικά μέσα.
- Αφού τελειώσετε την πλήρωση (ή όταν δεν έχει τελειώσει ακόμα), σημειώστε το σήμα στο σύστημα.
- Προσέξτε να μην υπερπληρώνετε με ψυκτικά μέσα.

Απόσυρση και ανάκτηση

Απόσυρση:

Πριν από αυτή τη διαδικασία, το τεχνικό προσωπικό πρέπει να γνωρίζει πλήρως τον εξοπλισμό και όλα τα χαρακτηριστικά του και να προβαίνει στην συνιστάμενη πρακτική για την ασφαλή ανάκτηση του ψυκτικού μέσου. Για την ανακύκλωση του ψυκτικού υγρού, πρέπει να αναλυθούν τα δείγματα ψυκτικού και λαδιού πριν από τη λειτουργία. Βεβαιωθείτε ότι υπάρχει η απαιτούμενη ισχύς πριν από τη δοκιμή.

1. Να είστε εξοικειωμένοι με τον εξοπλισμό και τη λειτουργία.
2. Αποσυνδέστε την παροχή ρεύματος.
3. Πριν από τη διεξαγωγή αυτής της διαδικασίας, θα πρέπει να βεβαιωθείτε ότι:
 - Εάν είναι απαραίτητο, η λειτουργία του μηχανικού εξοπλισμού θα πρέπει να διευκολύνει τη λειτουργία της δεξαμενής ψυκτικού μέσου.
 - Όλος ο εξοπλισμός ατομικής προστασίας είναι διαθέσιμος και μπορεί να χρησιμοποιηθεί σωστά.
 - Η όλη διαδικασία ανάκτησης πρέπει να διεξάγεται υπό την καθοδήγηση ειδικευμένου προσωπικού.
 - Η ανάκτηση του εξοπλισμού και της δεξαμενής αποθήκευσης πρέπει να συμμορφώνεται με τα σχετικά εθνικά πρότυπα.
4. Εάν είναι δυνατόν, το ψυκτικό σύστημα πρέπει να υποβληθεί σε εξαέρωση.

Σημειώσεις συντήρησης

5. Εάν δεν είναι δυνατή η επίτευξη της κατάστασης κενού, θα πρέπει να εξαγάγετε το ψυκτικό μέσο σε κάθε εξάρτημα του συστήματος από πολλαπλά μέρη.
6. Πριν από την έναρξη της ανάκτησης, θα πρέπει να βεβαιωθείτε ότι η χωρητικότητα της δεξαμενής αποθήκευσης είναι επαρκής.
7. Ξεκινήστε και χρησιμοποιήστε τον εξοπλισμό ανάκτησης σύμφωνα με τις οδηγίες του κατασκευαστή.
8. Μη γεμίζετε τη δεξαμενή στην πλήρη χωρητικότητά της (ο όγκος έγχυσης υγρού δεν υπερβαίνει το 80% του όγκου της δεξαμενής).
9. Ακόμα και η διάρκεια είναι μικρή, δεν πρέπει να υπερβαίνει τη μέγιστη πίεση λειτουργίας της δεξαμενής.
10. Μετά την ολοκλήρωση της πλήρωσης της δεξαμενής και το τέλος της διαδικασίας λειτουργίας, θα πρέπει να βεβαιωθείτε ότι οι δεξαμενές και ο εξοπλισμός πρέπει να αφαιρεθούν γρήγορα και όλες οι βαλβίδες κλεισίματος του εξοπλισμού είναι κλειστές.
11. Τα ανακτημένα ψυκτικά μέσα δεν επιτρέπεται να εγχυθούν σε άλλο σύστημα προτού αυτά καθαριστούν και δοκιμαστούν.

Σημείωση: Η ταυτοποίηση θα πρέπει να γίνεται μετά την απόσυρση της συσκευής και την εκκένωση των ψυκτικών μέσων. Η ταυτοποίηση θα πρέπει να περιλαμβάνει την ημερομηνία και τη θεώρηση. Βεβαιωθείτε ότι η ταυτοποίηση στη συσκευή δηλώνει τα εύφλεκτα ψυκτικά μέσα που περιέχονται στη συσκευή.

Ανάκτηση:

1. Η απόρριψη των ψυκτικών μέσων στο σύστημα είναι απαραίτητη κατά την επισκευή ή την απόσυρση της συσκευής. Συνιστάται η πλήρης αφαίρεση του ψυκτικού μέσου.
2. Μόνο ειδική δεξαμενή ψυκτικού μέσου μπορεί να χρησιμοποιηθεί κατά τη φόρτωση του ψυκτικού μέσου στη δεξαμενή αποθήκευσης. Βεβαιωθείτε ότι η χωρητικότητα της δεξαμενής είναι κατάλληλη για την ποσότητα έγχυσης ψυκτικού μέσου σε ολόκληρο το σύστημα. Όλες οι δεξαμενές που προορίζονται να χρησιμοποιηθούν για την ανάκτηση των ψυκτικών μέσων πρέπει να έχουν ταυτοποίηση ψυκτικού μέσου (δηλαδή δεξαμενή ανάκτησης ψυκτικού μέσου). Οι δεξαμενές αποθήκευσης θα πρέπει να είναι εφοδιασμένες με βαλβίδες εκτόνωσης πίεσης και βαλβίδες τύπου globe (σφαιρικού επιστομίου) και θα πρέπει να είναι σε καλή κατάσταση. Εάν είναι δυνατόν, οι κενές δεξαμενές πρέπει να εκκενώνονται και να διατηρούνται σε θερμοκρασία δωματίου πριν από τη χρήση.
3. Ο εξοπλισμός ανάκτησης θα πρέπει να διατηρείται σε καλή κατάσταση λειτουργίας και να είναι εξοπλισμένος με οδηγίες λειτουργίας εξοπλισμού για εύκολη πρόσβαση. Ο εξοπλισμός πρέπει να είναι κατάλληλος για την ανάκτηση ψυκτικών μέσων R32. Επιπλέον, πρέπει να υπάρχει μια κατάλληλη συσκευή ζύγισης, η οποία να μπορεί να χρησιμοποιηθεί κανονικά. Ο εύκαμπτος σωλήνας πρέπει να συνδέεται με αποσπώμενο σύνδεσμο με μηδενική διαρροή και να διατηρείται σε καλή κατάσταση. Πριν από τη χρήση του εξοπλισμού ανάκτησης, ελέγξτε αν είναι σε καλή κατάσταση και εάν έχει συντήρηση. Ελέγξτε εάν όλα τα ηλεκτρικά εξαρτήματα είναι σφραγισμένα για να αποφευχθεί η διαρροή του ψυκτικού και η πυρκαγιά που μπορεί να προκληθεί από αυτό. Εάν έχετε οποιαδήποτε ερώτηση, συμβουλευτείτε τον κατασκευαστή.
4. Το ανακυκλωμένο ψυκτικό μέσο πρέπει να φορτωθεί στις κατάλληλες δεξαμενές αποθήκευσης, να επισυναφθούν οδηγίες μεταφοράς και να επιστραφεί στον κατασκευαστή του ψυκτικού μέσου. Μην αναμειγνύετε το ψυκτικό μέσο σε εξοπλισμό ανάκτησης, ειδικά στην δεξαμενή αποθήκευσης.

Σημειώσεις συντήρησης

5. Ο χώρος φόρτωσης ψυκτικού μέσου R32 δεν μπορεί να περικλείεται στη διαδικασία μεταφοράς. Εάν απαιτείται, κατά τη μεταφορά, λαμβάνετε αντί-ηλεκτροστατικά μέτρα. Κατά τη μεταφορά, τη φόρτωση και την εκφόρτωση, πρέπει να λαμβάνονται τα απαραίτητα προστατευτικά μέτρα για την προστασία του κλιματιστικού ώστε να μην καταστραφεί το κλιματιστικό.
6. Όταν αφαιρείτε τον συμπιεστή ή καθαρίζετε το λάδι του συμπιεστή, βεβαιωθείτε ότι ο συμπιεστής συμπιέζεται σε κατάλληλο επίπεδο για να διασφαλίσετε ότι δεν υπάρχουν υπολείμματα ψυκτικού μέσου R32 στο λάδι λίπανσης. Η άντληση κενού πρέπει να πραγματοποιηθεί πριν από την επιστροφή του συμπιεστή στον προμηθευτή. Εξασφαλίστε την ασφάλεια όταν αδειάζετε το λάδι από το σύστημα.

Όλες οι εικόνες στο παρόν εγχειρίδιο εξυπηρετούν επεξηγηματικούς σκοπούς. Το προϊόν που προμηθευτήκατε μπορεί να εμφανίζει ορισμένες διαφορές ως προς το σχήμα, ωστόσο οι λειτουργίες και τα χαρακτηριστικά παραμένουν ίδια. Η εταιρεία δεν φέρει ευθύνη για τυχόν τυπογραφικά λάθη. Ο σχεδιασμός και οι προδιαγραφές του προϊόντος μπορεί να τροποποιηθούν χωρίς προηγούμενη ειδοποίηση με σκοπό τη βελτίωση των προϊόντων.

Για λεπτομέρειες, απευθυνθείτε στον κατασκευαστή στο 211 300 3300 ή στον αντιπρόσωπο. Τυχόν ενημερώσεις του εγχειρίδιου θα αναρτηθούν στην ιστοσελίδα του κατασκευαστή, παρακαλούμε να ελέγξετε για την πιο πρόσφατη έκδοση.



Σαρώστε εδώ για να κατεβάσετε την τελευταία έκδοση του εγχειριδίου.
www.inventoraircondition.gr/media-library

Υποβολή Εγγύησης

Ακολουθήστε τα παρακάτω σύντομα βήματα για να ενεργοποιήσετε την εγγύησή σας:

ΒΗΜΑ 1

Επισκεφθείτε την ιστοσελίδα μας μέσω του παρακάτω συνδέσμου:

<https://www.inventoraircondition.gr/egiisi-inventor>

ή σκανάροντας τον ακόλουθο κωδικό QR:



ΒΗΜΑ 2

Συμπληρώστε όλα τα απαραίτητα πεδία όπως ζητούνται στα "Στοιχεία ιδιοκτήτη" και "Στοιχεία μηχανήματος":

Για να ενεργοποιήσετε την εγγύηση, παρακαλούμε συμπληρώστε τα παρακάτω πεδία:

Στοιχεία ιδιοκτήτη	Στοιχεία μηχανήματος
Όνομα	Τύπος
Διεύθυνση*	Σειριακός αριθμός μηχανήματος*

ΒΗΜΑ 3

Πατήστε το κουμπί ΑΠΟΣΤΟΛΗ, στο κάτω μέρος της φόρμας υποβολής:

Διεύθυνση email*

Να εγγραφώ στο newsletter της Inventor

Μολις ολοκληρωθεί η υποβολή της εγγύησης θα λάβετε την επιβεβαίωση κατοχύρωσης στο email σας

ΑΠΟΣΤΟΛΗ

ΒΗΜΑ 4

Θα λάβετε σχετικό mail επιβεβαίωσης στη διεύθυνση email που έχετε δηλώσει. Παρακαλούμε ελέγξτε και τον φάκελο με τα Ανεπιθύμητα εισερχόμενα.

ΒΗΜΑ 5

Έχετε υποβάλει επιτυχώς την εγγύηση του προϊόντος Inventor!

CUPRINS

Functionare si mentenanta

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Nota: Toate ilustratiile din acest manual au scop explicativ. Aparatul dumneavoastra de aer conditionat poate fi usor diferit. Unitatile pot fi modificate fara preaviz deoarece sunt imbunatatite constant.

AVERTISMENT: Acest aparat de aer conditionat utilizeaza agent frigorific R32.
Nota: Unitatile de aer conditionat cu refrigerant R32, daca nu sunt transportate cu grija, pot cauza accidentari oamenilor sau lucrurilor din jur.

- * Spațiul încăperii pentru instalarea, utilizarea, repararea și depozitarea acestui aparat de aer condiționat ar trebui să fie mai mare de 5m².
- * Aparatul de aer conditionat nu poate fi incarcat cu o cantitate mai mare de 1,7 kg agent frigorific.
- * Nu folosiți mijloace pentru a accelera procesul de decongelare sau pentru a curăța, altele decât cele recomandate de producător.
- * Nu perforați și nu ardeți aparatul de aer condiționat și verificați dacă conducta de refrigerare este deteriorată.
- * Aparatul trebuie să fie depozitat într-o cameră fără funcționarea continuă a surselor de aprindere (exemplu: flăcări deschise, aparat cu gaze care funcționează sau încălzitoare electrice aflate in functiune).
- * Agentul frigorific poate fi lipsit de gust.
- * Depozitarea aparatului de aer condiționat trebuie să poată preveni deteriorarea mecanică din greșeală.
- * Trebuie efectuată întreținerea sau repararea aparatelor de aer condiționat folosind agent frigorific R32 după verificarea securității pentru a reduce riscul de incidente.
- * Aparatul de aer condiționat trebuie instalat cu capac de supapă.
- * Vă rugăm să citiți cu atenție instrucțiunile înainte de a instala, utiliza și a face mentenanța aparatului.

Simbol	Nota	Explicatie
	AVERTISMENT	Acest simbol arata ca aparatul utilizeaza agenti frigorifici flamabili. Daca exista scurgeri de refrigerant la o sursa externa de foc exista pericolul de incendiu. (Doar pentru aparatele AC cu marcarea CE)
	ATENIE	Acest simbol semnifica faptul ca manualul trebuie citit cu atentie.
	ATENIE	Acest simbol semnifica faptul ca doar personalul autorizat trebuie sa manevreze acest echipament, cu referinte catre manualul de instalare.
	ATENIE	Acest simbol arata ca informatii suplimentare sunt disponibile accesand manualul utilizatorului sau manualul de instalare.

Precautii

Instalarea sau funcționarea incorectă prin nerespectarea acestor instrucțiuni pot provoca daune sau daune oamenilor, proprietăților etc.

Seriozitatea este clasificată după următoarele indicații:

AVERTISMENT

Acest simbol indica riscul de moarte sau accidentare serioasa.

ATENȚIE

Acest simbol indica riscul de accidentare sau de aducere daune proprietatii.

AVERTISMENT

Acest aparat poate fi folosit de copiii cu vârsta cuprinsă între 8 ani și a persoanelor cu reducere fizică, senzorială sau capacități mentale sau lipsa de experiență și de cunoștințe sub supraveghere sau carora li s-au oferit instrucțiuni privind utilizarea aparatului într-un mod sigur și înțeleg pericolele implicate. Copiii nu se vor juca cu aparatul. Curățarea și întreținerea aparatului nu trebuie efectuată de către copii nesupravegheați.

(Numai pentru AC cu marcaj CE)

Acest aparat nu este destinat utilizării de către persoane (inclusiv copii) cu reducere fizică, senzorială sau mentală sau lipsiti de experiență și cunoștințe, cu excepția cazului în care li s-a oferit supraveghere sau instrucțiuni privind utilizarea aparatului de către o persoană responsabilă pentru siguranța acestora.

Copiii trebuie supravegheați pentru a se asigura că nu se vor juca cu aparatul. (Cu excepția AC cu marcaj CE)

Masuri de siguranta

Aerul condiționat trebuie să fie împământat. Impământarea incompleta poate duce la șocuri electrice.

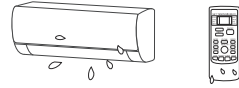


Nu conectați cablul de împământare la conducta de gaz, conducta de apă, paratrasnet sau la cablul de telefonie fixa.

Oprăți întotdeauna dispozitivul și tăiați sursa de alimentare cu energie atunci când unitatea nu este în funcțiune timp îndelungat, pentru a asigura siguranța membrilor familiei.



Aveti grija ca telecomanda sau unitatea interna sa nu fie stropite cu apa sau sa fie foarte umede.



NO!

Încăz contrar, exista riscul de scurt circuit.

În cazul în care cablul de alimentare este deteriorat, acesta trebuie înlocuit de producător, agentul de service sau de persoane calificate pentru a evita un pericol.

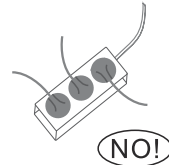


Nu intrerupeti alimentarea cu energie in timp ce unitatea functioneaza, avand mainile uzi.



Poate cauza electrocutare.

Nu alimentati de la aceeasi sursa de energie folosita si de alte aparate electrice.



În caz contrar, riscati soc electric, sau chiar aprindere sau explozie.

Intotdeauna inchideti aparatul si deconectati de la sursa de energie inainte de a efectua lucrari de mentenanta sau de curatare a unitatii.



În caz contrar riscati sa va electrocutati sau sa deteriorati aparatul.

Nu trageti de cablul de alimentare cu energie.

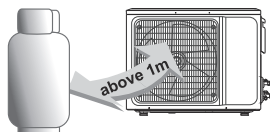


Puteti deteriora cablul de alimentare cu energie electrica si exista riscul sa va electrocutati.

Avertismentul că duc-turile conectate la un aparat nu trebuie să conțină o sursă de aprindere.

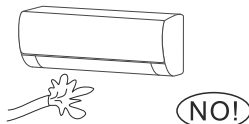
Masuri de siguranta

Nu instalati aparatul de aer conditionat intr-un loc in care exista o butelie cu gaz. Distanța dintre acestea trebuie sa fie mai mare de 1metru.



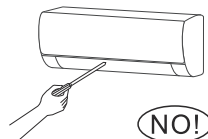
Poate lua foc sau chiar exploda.

Nu folositi substante corozive de curatare si nici nu stropiti cu apa sau alte lichide unitatea.



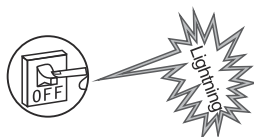
Facand acest lucru riscati sa deteriorati unitatea sau sa va electrocutati.

Nu incercati sa reparati unitatea de aer conditionat personal.



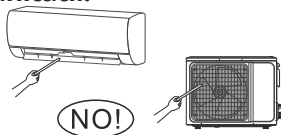
Reparatiile incorecte pot cauza aprinderi sau explozii. Contactati o persoana autorizata sau un tehnician pentru tot ce tine de partea de service.

Nu utilizati aparatul de aer conditionat pe timp de furtuna cu fulgere.



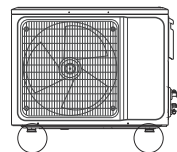
Trebuie sa deconectati la timp de la sursa de curent electric pentru a preveni eventualele daune ale unitatii.

Nu bagati mainile sau alte obiecte in admisia de aer a unitatii.



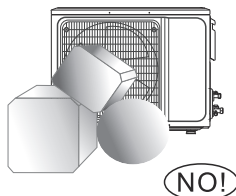
Puteti sa va accidentati sau sa aduceti daune aparatului.

Va rugam sa va asigurati ca suportul de prindere este fix.



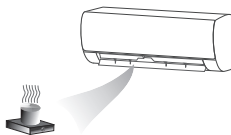
Daca nu este prins bine sau peretele nu este solid, unitatea poate sa cada si poate cauza accidentari.

Nu blocati fantele de intrare sau de iesire a aerului.



In caz contrar, capacitatea de racire sau incalzire va fi diminuată, poate cauza chiar stoparea functionarii aparatului.

Nu permiteti ca aparatul de aer conditionat sa sufle aerul spre aparatele de incalzire din casa.



In caz contrar va duce la o combustie incompleta.

Aparatul trebuie instalat în conformitate cu regulamentele naționale de cablare.

Pentru a evita posibilele șocuri electrice, trebuie instalata o sursa de împământare cu capacitate nominală.

Masuri de siguranta

Acest produs conține gaze fluorurate cu efect de seră.

Scurgerea de agent frigorific contribuie la schimbarea climatica.

Agentul frigorific cu indice mai mic de contributie la incalzirea globala (GWP) va contribui intr-o mai mica masuta la incalzirea globala decat un refrigerant cu un indice GWP mai mare, daca este eliberat in atmosfera. Acest aparat contine refrigerant fluid cu indice GWP egal cu [675]. Asta inseamna ca daca 1 kg din acest tip de agent frigorific este eliberat in atmosfera, impactul pentru incalzirea globala ar fi de [675] ori mai mare decat 1 kg de CO₂, pentru o perioada de 100 ani. Este contraindicat sa interactionati cu circuitul frigorific sau sa demontati unitatea. Intotdeauna cereti ajutorul persoanelor autorizate.

Asigurati-va ca următoarele obiecte nu se afla sub unitatea interioară:

- 1. cuptoare cu microunde, cuptoare de aragaz și alte obiecte fierbinți.**
- 2. calculatoare și alte aparate electrostatice înalte.**
- 3. prize care se conectează frecvent.**

Îmbinările dintre unitatea interioară și cea exterioră nu vor fi refolosite, decât după reîncărcarea conductei..

Specificațiile siguranței sunt tipărite pe bordul circuitului, cum ar fi: 3.15A / 250V AC etc.

Avertisment DEEE

Semnificatia imaginii cosului de gunoi barat:

Nu aruncați aparatele electrice ca deșeuri menajere nesortate, folosiți canalele de colectare potrivite.

Contactați administrația locală pentru informații despre sistemele de colectare disponibile.

Dacă aparatele electrice sunt aruncate în gropile de gunoi sau în depozitele de gunoi, substanțele periculoase se pot scurge în apele subterane și pot ajunge in lanțul alimentar, dăunând sănătății și bunăstării tale.

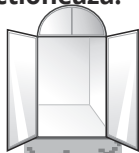
Atunci când înlocuiți aparatele vechi cu altele noi, retailerul este obligat în mod legal să retragă cel puțin gratuit aparatul vechi pentru a fi eliminat.



Masuri de siguranta

⚠ ATENTIE

**Nu deschideti fere-
strele si usile pentru
perioade lungi de timp
atunci cand aparatul
de aer conditionat
functioneaza.**



In caz contrar capacitatea de racire sau incalzire va fi diminuata.

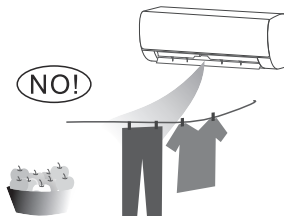
**Nu va urcati pe uni-
tatea externa si nu
plasati obiecte grele pe
aceasta.**



NO!

Puteti sa va accidentati sau sa deteriorati aparatul.

**Nu utilizati aparatul de
aer conditionat in alte
scopuri, cum ar fi uscar-
ea hainelor, conservar-
ea alimentelor, etc.**



NO!

**Nu este indicat sa va
pozitionati in dreptul
fluxului de aer rece
pentru perioade mari
de timp.**



NO!

Puteti sa aveti de suferit din punct de vedere medical, sanatatea fizica poate avea de suferit.

**Setati temperatura
potrivita.**



Este recomandat ca diferenta de temperatura dintre unitatea interna si cea externa sa nu fie foarte mare.

Setarea corecta a temperaturii ambientale poate preveni consumul mare de energie electrica.

**Dacă aparatul de aer
condiționat nu este
prevăzut cu un cablu de
alimentare și un dop,
trebuie să se instaleze un
întrerupător anti-explozie
cu toți polii în cablarea
fixă, iar distanța dintre
contacte nu trebuie să fie
mai mică de 3,0 mm.**

Dacă aparatul de aer condiționat este conectat permanent la cablarea fixă, în cablajul fix trebuie instalat un dispozitiv de curent rezidual anti-explozie (RCD) cu un curent de funcționare rezidual care sa nu depășească 30 mA.

Circuitul de alimentare trebuie să aibă un protector de scurgere și un comutator de aer din care capacitatea ar trebui să fie de peste 1,5 ori mai mare decât curentul maxim.

Pentru instalarea aparatelor de aer conditionat va rugam sa cititi paragrafele urmatoare din acest manual.

Instructiuni de utilizare

Conditii in care unitatea nu poate functiona in regim normal

- În intervalul de temperatură prevăzut în tabelul următor, aparatul de aer condiționat se poate opri din funcționare și pot apărea alte anomalii.

Racire	Unitate externa	>43°C (Aplicat la T1)
		>52°C (Aplicat la T3)
	Unitate interna	<18°C
Incalzire	Unitate externa	>24°C
		<-7°C
	Unitate interna	>27°C

- Când temperatura este prea ridicată, aparatul de aer condiționat poate activa dispozitivul de protecție automată, astfel încât aparatul de aer condiționat să poată fi oprit.
- Când temperatura este prea scăzută, schimbătorul de căldură al aparatului de aer condiționat poate îngheța, ceea ce duce la scurgerea apei sau alte defecțiuni.
- În timpul răcirii sau dezumidificării pe termen lung, cu o umiditate relativă de peste 80% (ușile și ferestrele sunt deschise), pot exista conditii de condens sau picături în apropierea orificiului de ieșire a aerului.
- T1 și T3 se referă la ISO 5151.

Note pentru încălzire

- Ventilatorul unității interioare nu funcționează imediat atunci când încălzirea este pornită pentru a evita să sufle aer rece.
- Când este rece și umed afară, unitatea exterioară va dezvolta îngheț peste schimbătorul de căldură, ceea ce va crește capacitatea de încălzire. Apoi, aerul condiționat va începe funcția de decongelare.
- În timpul decongelării, aparatul de aer condiționat va opri încălzirea timp de aproximativ 5-12 minute.
- Vaporul poate ieși din unitatea exterioară în timpul decongelării. Aceasta nu este o defecțiune, ci un rezultat al decongelării rapid.
- Încălzirea se va relua după finalizarea decongelării.

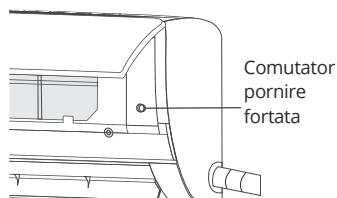
Note pentru oprire

- Când aparatul de aer condiționat este oprit, regulatorul principal va decide automat dacă se va opri imediat sau după rularea a zeci de secunde cu o frecvență mai mică și o viteză mai mică a aerului.

Instructiuni de utilizare

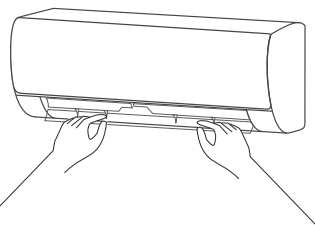
Operarea in regim de urgență

- Dacă telecomanda este pierdută sau spartă, folosiți butonul de comutare forțată pentru a acționa aparatul de aer condiționat.
- Dacă acest buton este apăsat cu unitatea OFF, aparatul de aer condiționat va funcționa în modul Auto.
- Dacă acest buton este apăsat cu unitatea pornită, aparatul de aer condiționat va înceta.



Reglarea direcției fluxului de aer

1. Folosiți butoanele de balansare în sus și stânga-dreapta de pe telecomandă pentru a regla direcția fluxului de aer. Consultați manualul de operare al telecomenzii pentru detalii suplimentare.
2. Pentru modelele fără funcție de balansare stânga-dreapta, aerisirea trebuie deplasată manual. Comutarea forței Reglarea direcției fluxului de aer

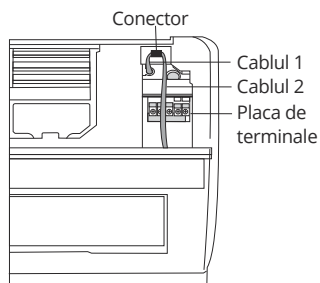


Notă: mutați aerisirile înainte ca aparatul să funcționeze sau degetul ar putea fi rănit.

Nu așezați niciodată mâna în intrarea sau la ieșirea aerului atunci când aparatul de aer condiționat este în funcțiune.

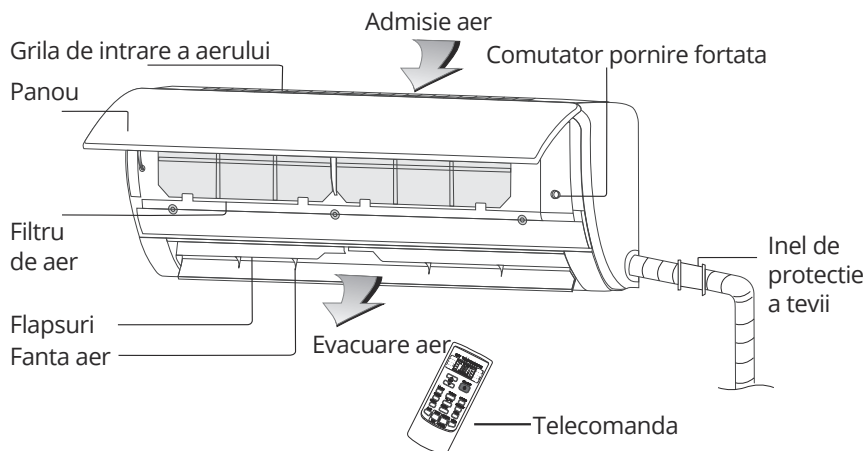
Atentie specifica

1. Deschideți panoul frontal al unitatii interne.
2. Conectorul (ca in Fig. alaturata) nu poate atinge terminalul și este poziționat exact așa cum se arată în Fig. alaturata.

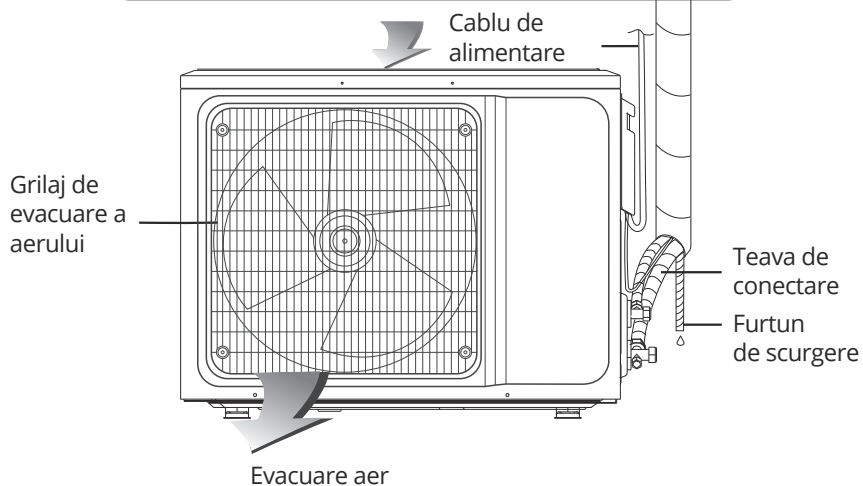


Numele fiecărei piese componente

Unitatea internă



Unitatea externă



Notă: Toate ilustrațiile din acest manual au rol explicativ. Aparatul dvs. de aer condiționat poate fi ușor diferit. Forma reală va predomina. Acestea pot fi modificate fără o notificare prealabilă în scopul îmbunătățirilor viitoare. Priza, funcția WIFI, funcția ion-negativ și funcția de balansare verticală și orizontală a flapsurilor sunt opționale, unitatea reală poate diferi ușor de versiunea prezentată în acest manual.

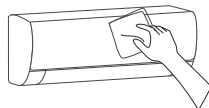
Curatare si intretinere

AVERTISMENT

- Înainte de curățarea aparatului de aer condiționat, acesta trebuie să fie oprit, iar energia electrică trebuie să fie întreruptă mai mult de 5 minute, altfel ar putea exista riscul de electrocutări.
- Nu udați aparatul de aer condiționat, care poate provoca șocuri electrice.
- Lichidele volatile, cum ar fi benzina, vor deteriora carcasa aparatului de aer condiționat, de aceea vă rugăm să curățați carcasa aparatului de aer condiționat numai cu o cârpă uscată moale și o cârpă umedă umezită cu detergent neutru.
- Pe parcursul utilizării, acordați atenție curățării filtrului în mod regulat, pentru a preveni acumularea de praf care ar putea afecta performanța aparatului de aer condiționat. Dacă mediul de service al aparatului de aer condiționat este praf, creșteți corespunzător numărul de ori de curățare. După îndepărtarea filtrului, nu atingeți cu degetul partea fină a unității interioare și nu forțați să deteriorați conducta de refrigerare.

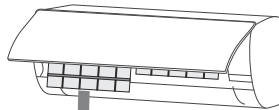
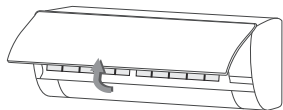
Curatarea panoului

Când panoul unității interioare este contaminat, curățați-l ușor cu un șervețel șters, folosind apă caldă sub 40°C și nu îndepărtați panoul în timp ce curățați.



Curatarea filtrelor

● Scoateți filtrul de aer



1. Folosiți ambele mâini pentru a deschide panoul, în conformitate cu direcția săgeții.
2. Scoateți filtrul de aer din slot.

● Curatati filtrul de aer

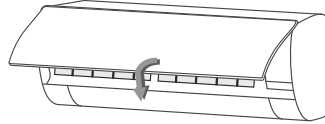
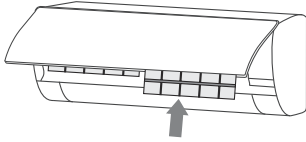
Folosiți un aspirator sau apă pentru a clăti filtrul și dacă filtrul este foarte murdar (de exemplu, cu grasime), curățați-l cu apă caldă (sub 45°C) cu detergent ușor, apoi puneți filtrul la umbră uscat în aer liber.



Curatare si intretinere

● Montați filtrul

1. Reinstalați filtrul uscat, apoi acoperiți și blocați panoul.



Verificari inainte de utilizare

1. Verificați dacă toate intrările și ieșirile de aer ale unității sunt deblocate.
2. Verificați dacă există blocaj în ieșirea de apă a tevi de scurgere și curățați imediat dacă e cazul.
3. Verificați dacă cablul este împământat în mod corect.
4. Verificați dacă bateriile telecomenzii sunt instalate și dacă este alimentată.
5. Verificați dacă există deteriorări în suportul de montare al unității exterioare și dacă există, vă rugăm să contactați centrul dumneavoastra local de service.

Mentenanata de după utilizare

1. Opriți sursa de alimentare a aparatului de aer condiționat, opriți întrerupătorul principal și scoateți bateriile din telecomandă.
2. Curățați filtrul și corpul unității.
3. Îndepărtați praful și resturile din unitatea exterioară.
4. Verificați dacă există deteriorări ale suportului de montare al unității exterioare și, dacă există, contactați centrul nostru de service local.

Depanare

ATENTIE


* Nu reparați singur aparatul de aer condiționat deoarece întreținerea greșită poate provoca electrocutare, incendiu sau chiar exploda. Vă rugăm să contactați centrul de service autorizat și să lăsați profesioniștii să efectueze întreținerea, iar verificarea următoarelor articole înainte de contactarea pentru întreținere vă poate ajuta să economisiți timp și bani.

Fenomen	Depanare
Aparatul de aer condiționat nu funcționează.	<ul style="list-style-type: none">• S-ar putea să existe întreruperi de energie → Așteptați până la refacerea alimentării cu energie.• Ștecherul de alimentare poate să fi ieșit din priză.• Conectați bine ștecherul în priza electrică.• Asigurați-vă siguranța întrerupătorului de curent. → Înlocuiți siguranța.• Timpul de pornire a cronometrării a sosit încă.• Așteptați sau anulați setările cronometrului.
Aparatul de aer condiționat nu pornește imediat după ce este oprit.	<ul style="list-style-type: none">• Dacă aparatul de aer condiționat este pornit imediat după oprirea acestuia, comutatorul de protecție va întârzia funcționarea timp de 3 până la 5 minute. Este normal să se întâmple asta.
Aparatul de aer condiționat nu mai funcționează după ce pornește pentru o perioadă.	<ul style="list-style-type: none">• Poate să fi atins temperatura setată.• Este un fenomen funcțional normal.• Poate fi într-o stare de decongelare. → Isi va rezuma funcțiile automat și va rula din nou după decongelare.• Timpul de oprire (timerul) poate să fi fost setat.• Dacă continuați să utilizați, vă rugăm să reporniți din nou unitatea.

<p>Aerul este expulzat în camera, dar efectul de răcire / încălzire nu este bun.</p>	<p>➤</p>	<ul style="list-style-type: none"> • Acumularea excesivă de praf pe filtru, blocarea la intrarea și ieșirea aerului și unghiul excesiv de mic al flapsurilor, toate acestea vor afecta efectul de răcire și încălzire. • Vă rugăm să curățați filtrul, îndepărtați obstacolele de la intrarea și ieșirea aerului și reglați unghiul flapsurilor. • Efect slab de răcire și încălzire cauzat de deschiderea ușilor și ferestrelor și a ventilatorului de evacuare închis. • Vă rugăm să închideți ușile, geamurile, ventilatorul de evacuare etc. • Funcția de încălzire auxiliară nu este activată în timpul încălzirii, ceea ce poate duce la un efect de încălzire slab. • Activați funcția de încălzire auxiliară. (valabil numai pentru modelele dotate cu funcție auxiliară de încălzire) • Setarea modului este incorectă, iar setările de temperatură și viteză fluxului de aer nu sunt adecvate. • Vă rugăm să selectați din nou modul și setați corespunzător temperatura și viteză fluxului de aer.
<p>Unitatea interioară emite un miros urat.</p>	<p>➤</p>	<ul style="list-style-type: none"> • Aerul condiționat în sine nu are miros nedorit. • Dacă există miros neplăcut, se poate datora acumulării mirosului în mediu. • Curățați filtrul de aer sau activați funcția de curățare.
<p>În timpul funcționării se aude sunet de apă curentă în aparatul de aer condiționat.</p>	<p>➤</p>	<ul style="list-style-type: none"> • Când aparatul de aer condiționat este pornit sau oprit, sau compresorul este pornit sau oprit în timpul rulării, uneori poate fi auzit sunetul apei în instalație. → Acesta este sunetul fluxului de agent frigorific în instalație nu o defecțiune. Este ceva normal.
<p>Se aude un ușor sunet „clic” la pornire sau la oprirea funcționării.</p>	<p>➤</p>	<ul style="list-style-type: none"> • Din cauza schimbărilor de temperatură, panoul și alte piese se vor umfla, provocând sunetul frecării. → Acest lucru este normal, nu este o defecțiune.
<p>Unitatea interioară scoate un sunet anormal.</p>	<p>➤</p>	<ul style="list-style-type: none"> • Sunetul ventilatorului sau compresorului este pornit sau oprit. • Când decongelarea este pornită sau nu mai funcționează, va crea sunet. → Acest lucru se datorează fluxurilor de refrigerant în sens invers. Nu sunt defecțiuni. • Acumularea prea mare de praf pe filtrul de aer al unității interioare poate duce la fluctuația sunetului. → Curățați filtrele de aer la timp. • Prea mult zgomot de aer atunci când funcția Turbo” este pornită. → Acest lucru este normal, dacă vă simțiți incomod, vă rugăm să dezactivați funcția „Turbo”.

Depanare

<p>Formarea de picături de apă pe suprafața unității interioare.</p>	<ul style="list-style-type: none">• Când umiditatea ambientală este ridicată, vor fi picături de apă acumulate în jurul orificiului de ieșire a aerului sau a panoului etc. → Acesta este un fenomen fizic normal.• Procesul de răcire prelungit în spații deschise produce picături de apă. → Închideți ușile și ferestrele.• Unghiul de deschidere prea mic al paletelor poate duce, de asemenea, la căderi de apă la intrarea aerului. → Măriți unghiul paletelor.
<p>În timpul operării pe răcire, ieșirea unității interioare va exploda uneori ceață.</p>	<ul style="list-style-type: none">• Când temperatura interioară și umiditatea sunt mari, se întâmplă uneori. → Acest lucru se datorează faptului că aerul interior este răcit rapid. După ce va mai dura ceva timp, temperatura și umiditatea interioară vor fi reduse, iar ceața va dispărea.

 **Opriți imediat toate operațiunile și întrerupeți sursa de alimentare, contactați centrul nostru de service local în următoarele situații.**

- ▲ Auziți orice sunet puternic sau mirosi orice miros îngrozitor în timpul alergării.
- ▲ Se produce încălzirea anormală a cablului de alimentare și a fișei.
- ▲ Unitatea sau telecomanda au orice impuritate sau apă.
- ▲ Comutatorul de aer sau întrerupătorul de protecție împotriva scurgerilor este deseori deconectat.

Anunturi importante

- Înainte de instalare, vă rugăm să contactați autoritatea locală
- avizata pentru întreținere. Dacă unitatea nu este instalată de centrul de întreținere autorizat, este posibil ca defecțiunea să nu fie rezolvată din cauza unui contact discomodiu.
- Aparatul de aer condiționat trebuie să fie instalat de profesioniști conform
- regulilor naționale de cablare și acest manual.
- Testul de scurgere la refrigerant trebuie făcut după instalare.
- Pentru a muta și instala instalația de climatizare într-un alt loc, vă rugăm să contactați centrul nostru local de servicii speciale.

Despachetarea unitatilor

- Deschideți cutia și verificați aerul condiționat în zonă bine ventilată (deschideți ușa și fereastra) și fără sursă de aprindere în apropiere.
Notă: Operatorii trebuie să poarte dispozitive anti-stactice.
- Este necesar ca un profesionist să verifice dacă există scurgeri de agent frigorific înainte de a deschide cutia unității exterioare; opriți instalarea aparatului de aer condiționat dacă se constată scurgeri de refrigerant.
- Echipamentul de prevenire a incendiilor și precauțiile antistatice trebuie pregătite înaintea verificării. Verificați traseul frigorific pentru a vedea dacă există urme de coliziune și dacă perspectivele sunt bune.

Principii de siguranță pentru instalarea aparatului de aer condiționat

- Dispozitivul de prevenire a incendiilor trebuie să fie pregătit înainte de instalare.
- Continuați instalarea site-ului ventilat (deschideți ușa și fereastra)
- Sursa de aprindere, fumatul și apelurile telefonice nu sunt permise în zona în care se află agentul frigorific R32.
- Luați măsuri de precauție antistatice necesare pentru instalarea aparatului de aer condiționat (de exemplu: poartă haine și mănuși din bumbac pur).
- Mențineți detectorul de scurgeri în stare de funcționare și la îndemână în timpul instalării.
- În cazul constatării scurgerilor de agent frigorific R32 în timpul instalării, detectați imediat concentrația în mediul interior până când atinge un nivel sigur. Dacă scurgerile de agent frigorific afectează performanțele aparatului de aer condiționat, vă rugăm să opriți imediat funcționarea, iar aparatul de aer condiționat trebuie întâi aspirat și returnat la stația de întreținere pentru prelucrare.
- Păstrați aparatele electrice, întrerupătorul de alimentare, fișa, priza, sursele de emisie caldură departe de zona de sub marginea unității interioare.
- Aparatul de aer condiționat trebuie instalat într-un loc accesibil la instalare și întreținere, fără obstacole care pot bloca intrările de aer sau ieșirile unităților interioare / exterioare și trebuie să se țină departe de sursele de căldură, de condițiile inflamabile sau explozive.

Pregatirea instalarii

- La instalarea sau repararea aparatului de aer condiționat și linia de conectare nu este suficient de lungă, întreaga linie de conectare se înlocuiește cu linia de conectare a specificației inițiale; extinderea acesteia este interzisă.
- Folosiți conducta de conectare nouă, cu excepția cazului în care reîncărcați conducta.

Cerințe pentru poziția de instalare

- Evitați locurile de scurgeri inflamabile sau explozive sau unde există gaze agresive.
- Evitați locurile supuse unor câmpuri electrice / magnetice puternice artificiale.
- Evitați locurile supuse zgomotului și rezonanței.
- Evitați condițiile naturale severe (de exemplu, becuri grele, vant puternic, teren nisipos, soare direct sau surse de caldura la temperaturi ridicate).
- Evitați locurile aflate la îndemâna copiilor.
- Scurtați conexiunea între unitățile interioare și exterioare.
- Selectați unde este ușor să efectuați service-ul și unde aerisirea este bună.
- Unitatea exterioară nu trebuie instalată în niciun fel care să poată ocupa un culoar, o scară, ieșire, scăpare de incendiu, pasarelă sau orice altă zonă publică.
- Unitatea exterioară trebuie să fie instalată pe cât posibil cât mai departe de ușile și ferestrele vecinilor, precum și de plante.

Inspectarea mediului de instalare

- Verificați plăcuța de identificare a unității exterioare pentru a vă asigura dacă refrigerantul este R32.
- Verificați spațiul etajului camerei. Spațiul nu trebuie să fie mai mic decât spațiul utilizabil (5m²) din caietul de sarcini. Unitatea exterioară trebuie instalată într-un loc bine ventilat.
- Verificați mediul înconjurător al locului de instalare: R32 nu trebuie instalat în spațiul închis al unei clădiri.
- Când folosiți burghie electrice pentru a face găuri în perete, verificați mai întâi dacă există o conductă pre-îngropată pentru apă, electricitate și gaz. Se sugerează utilizarea orificiului rezervat din acoperișul peretelui.

Cerințe ale structurii de montare

- Suportul de montaj trebuie să îndeplinească standardele naționale sau industriale relevante din punct de vedere al rezistenței, cu sudarea și zonele de conexiune rezistente la rugină.
- Suportul de montaj și suprafața de transport a sarcinii sale trebuie să reziste de patru ori mai mult decât greutatea unității sau 200 kg, oricare este mai mare.
- Racordul de fixare al unității exterioare trebuie fixat cu șurub de expansiune.
- Asigurați-vă ca instalarea este sigură indiferent de tipul de perete pe care este instalat, pentru a preveni căderea potențială și a nu răni oamenii.

Cerințe de siguranță electrică

- Asigurați-vă că utilizați circuitul dedicat pentru tensiune și aparate de aer condiționat pentru alimentarea cu energie electrică, iar diametrul cablului de alimentare trebuie să îndeplinească cerințele naționale.
- Când curentul maxim al aparatului de aer condiționat este $\geq 16A$, acesta trebuie să utilizeze comutatorul de aer sau întrerupătorul de protecție împotriva scurgerilor echipat cu dispozitive de protecție.
- Domeniul de operare este de 90% -110% din tensiunea nominală locală. Dar funcționarea insuficientă a alimentării duce la șoc electric sau la riscul izbucnirii unui incendiu.
- În cazul în care tensiune este instabila, propunem să creșteti tensiunea regulatorului.
- Distanța minimă între aer condiționat și substanztele combustibile trebuie sa fie de 1,5 m.
- Cablul de interconectare conectează unitățile interioare și exterioare. Mai întâi trebuie să alegeți dimensiunea potrivită a cablului înainte de a-l pregăti pentru conectare.
- Tipuri de cablu: Cabluri de alimentare exterioară: H07RN-F sau H05RN-F;
- Cablu de interconectare: H07RN-F sau H05RN-F;
- Zona de secțiune minimă a cablului de alimentare și a cablului de interconectare.

America de Nord

Amperajul unitatii (A)	AWG
10	18
13	16
18	14
25	12
30	10
40	8

Alte regiuni

Curentul nominal al aparatului (A)	Zona de secțiune nominală (mm ²)
$>3 \text{ kA} \leq 6$	0.75
$>6 \text{ kA} \leq 10$	1
$>10 \text{ kA} \leq 16$	1.5
$>16 \text{ kA} \leq 25$	2.5
$>25 \text{ kA} \leq 32$	4
$>32 \text{ kA} \leq 40$	6

- Mărimea cablului de interconectare, a cablului de alimentare, a siguranței și a comutatorului necesar este determinată de curentul maxim al unității.
- Curentul maxim este indicat pe plăcuța de identificare localizată pe panoul lateral al unității. Consultați această placă pentru a alege cablul potrivit, siguranța sau comutatorul.
- Notă: Numărul de bază al cablului se referă la diagrama de cablare detaliată aflată pe unitatea achiziționată.

Pregatirea instalarii

Cerințele de siguranța pentru instalarea la înălțime

- Atunci când efectuați instalarea la 2 m sau mai mare deasupra nivelului bazei, centurile de siguranță trebuie să fie purtate și să ați la dispoziție sfoară suficient de rezistentă. Fixați sigur pe unitatea exterioară, pentru a preveni căderea care ar putea provoca vătămări corporale sau moarte, precum și defectarea unității.

Cerințe de împământare

- Aparatul de aer condiționat este aparat electric de clasa I și trebuie să asigure o împământare fiabilă.
- Nu conectați cablul de împământare la o conductă de gaz, la o conductă de apă, la paratrăsnet, linie telefonică sau un circuit prost legat de pământ.
- Firul de împământare este proiectat special și nu va fi utilizat în alte scopuri și nici nu va fi fixat cu un șurub comun de fixare.
- Diametrul cablului de interconectare trebuie recomandat conform manualului de instrucțiuni și cu terminalul de tip O care respectă standardele locale (diametrul intern al terminalului de tip O trebuie să corespundă dimensiunii șurubului unității, nu mai mult de 4,2 mm). După instalare, verificați șuruburile indiferent dacă au fost remediate eficient și nu există riscul de a se desface.

Alte mențiuni

- Metoda de conectare a aparatului de aer condiționat și a puterii cablului și metoda de interconectare a fiecărui element independent trebuie să fie supus diagramei de cablare ce se regăsește pe aparat.
- Modelul și valoarea nominală a siguranței trebuie să fie supuse serigrafiei de pe controlerul corespunzător sau a manșonului de siguranță.

Lista de ambalare

Lista de ambalare a unității interioare

Nume	Cantitate	Unitate
Unitate internă	1	Bucată
Telecomanda	1	Bucată
Baterii (AAA)	2	Bucată
Manualul utilizatorului	1	Set
Teava de scurgere	1	Bucată

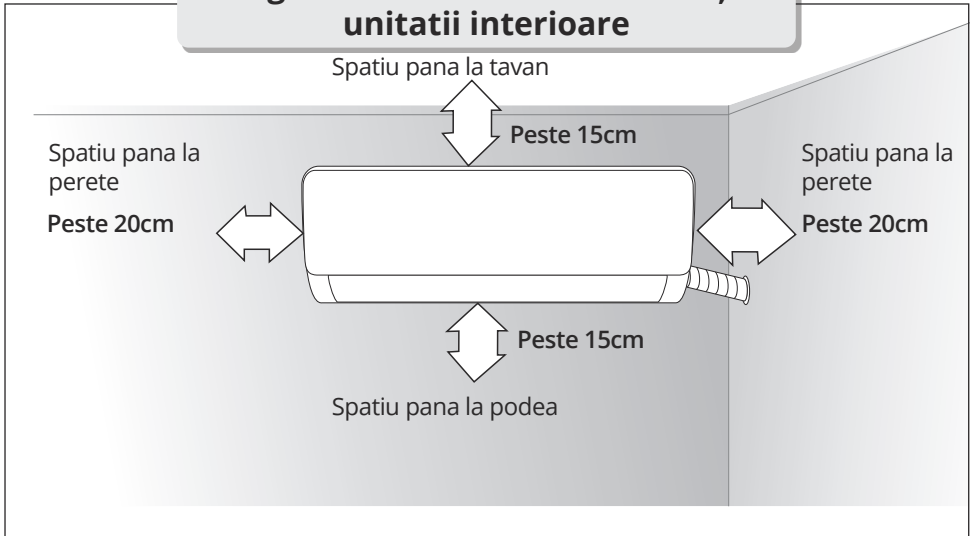
Lista de ambalare a unității exterioare

Nume	Cantitate	Unitate
Unitate externă	1	Bucată
Teava de conectare	2	Bucată
Curea din plastic	1	Rola
Inel de protecție a tevi	1	Bucată
Lituirea (chit)	1	Pachet

NOTĂ: Toate accesoriile se află în pachetul de ambalare efectiv, și pot fi schimbate fără o notificare în prealabil.

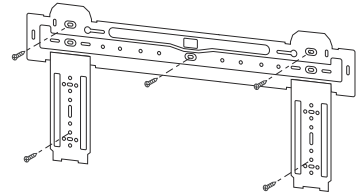
Instalarea unitatii interne

Imagine cu dimensiunile instalatiei unitatii interioare



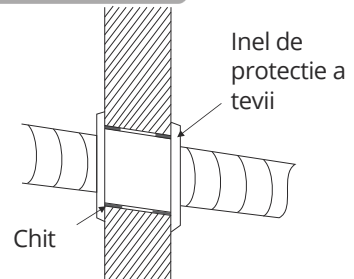
Placa de montare

1. Peretele pentru instalarea unității interioare trebuie fie dur și ferm, pentru a preveni vibrațiile.
2. Folosiți șurubul de tip "+" pentru a fixa placa de fixare, montați orizontal placa de fixare pe perete și asigurați lateralul orizontal și longitudinal vertical.
3. Trageți placa cu șurubul de mână după instalare, pentru a confirma că este prinsă bine.



Gaura in perete

1. Fă o gaură cu un ciocan electric sau un burghiu în poziția predeterminată pe perete pentru conducte, care trebuie să se înclineze spre exterior cu 5 ° -10 °.
2. Pentru a proteja țevile și cablurile să nu fie deteriorate, chiar și de rozătoarele care pot locui în peretele gol, se va instala un inel de protecție al țevii sigilat cu chit.



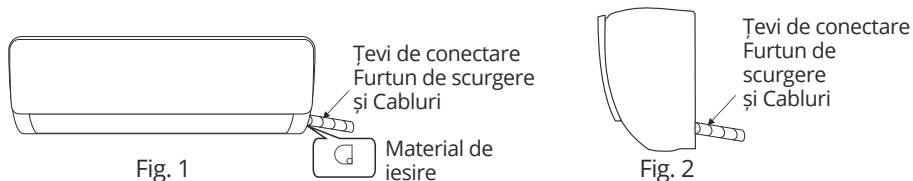
Notă: De obicei, gaura de perete este de $\Phi 60\text{mm}$ ~ $\Phi 80\text{mm}$.

Evitați firul de alimentare pre-îngropat și peretele dur când faceți gaura.

Instalarea unitatii interne

Traseul frigorific

- În funcție de poziția unității, traseul frigorific poate fi dirijat în lateral de la stânga sau la dreapta (Fig. 1), sau vertical din spate (Fig. 2) (în funcție de lungimea tevii unității interioare). În cazul dirijării laterale, tăiați materialul de ieșire de partea opusă.



Conexiunea furtunului de scurgere

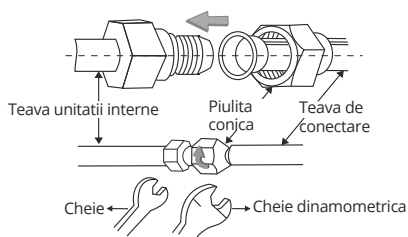
- Scoateți partea fixă pentru a scoate țeava unitatii interioare din carcasă. Înșurubați piulița hexagonală din stânga articulației până la capăt cu mâna.
- Conectați teava de conectare la unitatea interioară:

Vizați centrul țevii, strângeți piulița conică cu degetele, apoi strângeți-o cu o cheie dinamometrică, în direcția indicată în imaginea din dreapta. Cuplul utilizat este prezentat în tabelul următor. Racordul conductelor de scurgere

Notă: Verificați cu atenție dacă există o deteriorare a îmbinărilor înainte de instalare. Îmbinările nu trebuie reutilizate decât dacă duse face reîncărcarea tevii.

Masa cuplului de strangere

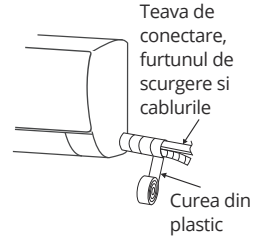
Dimensiunea tevii (mm)	Cuplul (N • m)
Φ6 / Φ6.35	15~25
Φ9 / Φ9.52	35~40
Φ12 / Φ12.7	45~60
Φ15.88	73~78
Φ19.05	75~80



Instalarea unitatii interne

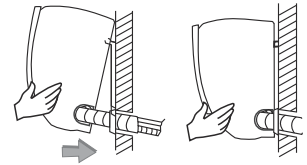
Înfășurați conducta

1. Folosiți manșonul de izolare pentru a înfășura partea interioară a interiorului unitatea și conducta de conectare, apoi utilizați materialul izolator pentru a împacheta și sigila teava de izolare, pentru a preveni acumularea condensului pe partea articulară.
2. Conectați evacuarea apei cu conductele de scurgere și îndreptați conducta de racord, cablurile și furtunul de evacuare.
3. Folosiți legături de cablu din plastic pentru a înfășura conductele de legătură cabluri și furtun de scurgere. Rulați țeava înclinând în jos.



Fixarea unității interioare

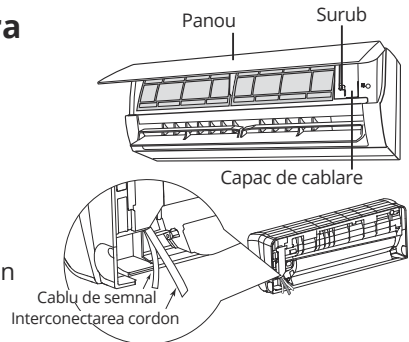
1. Agățați unitatea interioară pe placa de prindere și mutați unitatea de la stânga la dreapta pentru a vă asigura că cârligul este poziționat în mod corespunzător pe placa de prindere.
2. Împingeți spre partea stângă jos și partea dreaptă superioară a unității spre placa de fixare, până când cârligul este încorporat în fanta și emite un sunet de „clac”.



Instalarea cablului dintre unitati

● Conectarea cablului de legatura la unitatea interna

1. Deschideți panoul, scoateți șuruburile de la capacul cablurilor și apoi îndepărtați capacul.
2. Treceți cablul de interconectare prin orificiul transversal al cablului din partea din spate a unității interioare și apoi scoateți-l din partea din față. Unele modele nu au un cablu de semnal
3. Scoateți clema de sârmă; conectați cablul de interconectare la borna de cablare conform schemei de cablare; strângeți șurubul și apoi fixați cablul de interconexiune cu agrafă de sârmă.

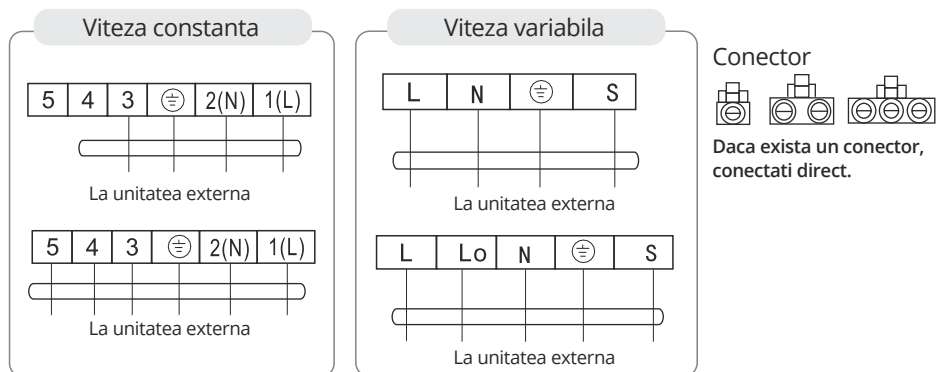


Instalarea unitatii interne

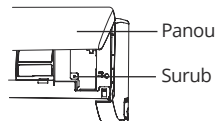
NOTĂ:

Acest manual include de obicei modul de cablare pentru diferitele tipuri de aer condiționat. Nu putem exclude posibilitatea ca anumite diagrame speciale de cablare să nu fie incluse.

Diagrama este doar pentru referință. Dacă unitatea dumneavoastră are o diagramă de cablare diferită, vă rugăm să consultați diagrama de cablare detaliată de pe unitatea achiziționată.



4. Puneti la loc capacul ce acopera firele si strangeti suruburile.
5. Inchideti panoul.

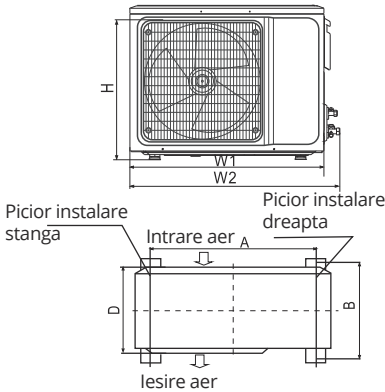
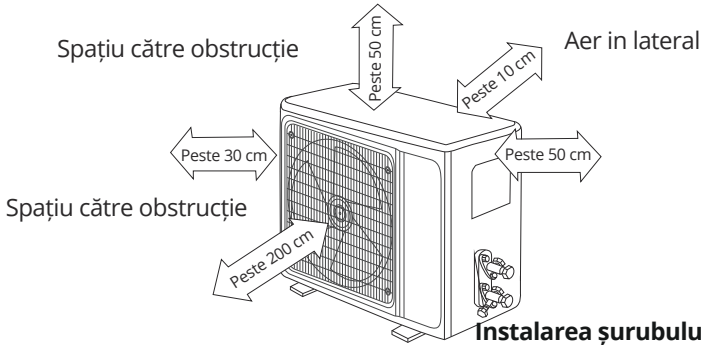


● Verificari post-instalare

1. Suruburile au fost fixate eficient și nu există riscul de a desface.
2. Conectorul plăcii de afișare, dacă este așezat la locul potrivit și nu atinge placa de borne.
3. Controlați capacul cutiei să acopere bine.

Instalarea unitatii externe

Desen cu dimensiunea instalației exterioare a unității



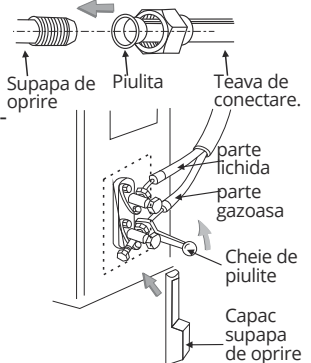
Instalarea șurubului unității exterioare

Dimensiunile unitatii externe W1 (W2) * H*D (mm)	A (mm)	B (mm)
665(710)×420×280	430	280
600(645)×485×260	400	290
660(710)×500×240	500	260
700(745)×500×255	460	260
730(780)×545×285	540	280
760(810)×545×285	540	280
790(840)×550×290	545	300
800(860)×545×315	545	315
800(850)×590(690)×310	540	325
825(880)×655×310	540	335
900(950)×700×350	630	350
900(950)×795×330	535	350
970(1044)×803×395	675	409

Instalați teava de conectare

Conectați unitatea exterioară cu tubul de conectare: ținește contravaloarea conductei de conectare la robinetul de oprire și strângeți piulița Taper cu degete. Strângeți apoi piulița Taper cu o cheie dinamometrică.

- La prelungirea conductelor, trebuie adăugată o cantitate suplimentară de agent frigorific, astfel încât funcționarea și performanța aparatului de aer condiționat să nu fie compromise.



Lungime teava	Cantitatea de refrigerant ce trebuie adaugata		Cantitatea de refrigerant din unitate
	≤5M	Nu este necesar	
5-15M	CC≤12000Btu	16g/m	≤1kg
	CC≥18000Btu	24g/m	≤2kg

Notă: 1. Acest tabel are scop orientativ.

2. Îmbinările nu trebuie reutilizate, cu excepția cazului în care reîncărcați circuitul frigorific.

3. După instalare, verificați dacă capacul supapei de oprire este fixat corect.

Instalarea unitatii externe

Cablajele

1. Deschideți șuruburile și scoateți capacul pieselor E din unitate.
2. Conectați cablurile respectiv la bornele corespunzătoare ale plăcii de borne a unității exterioare (consultați schema de cabluri), iar dacă există semnale conectate la fișă, trebuie doar să efectuați îmbinarea butucului.
3. Fir sferic: scoateți șurubul de împământare din suportul electric, acoperiți capătul sârmei de împământare pe șurubul de împământare și înșurubați-l în orificiul de împământare.
4. Fixați cablul în mod fiabil cu elemente de fixare (placă de presare).
5. Puneți capacul pieselor E în locul său original și fixați-l în șuruburi.

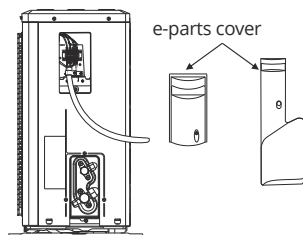
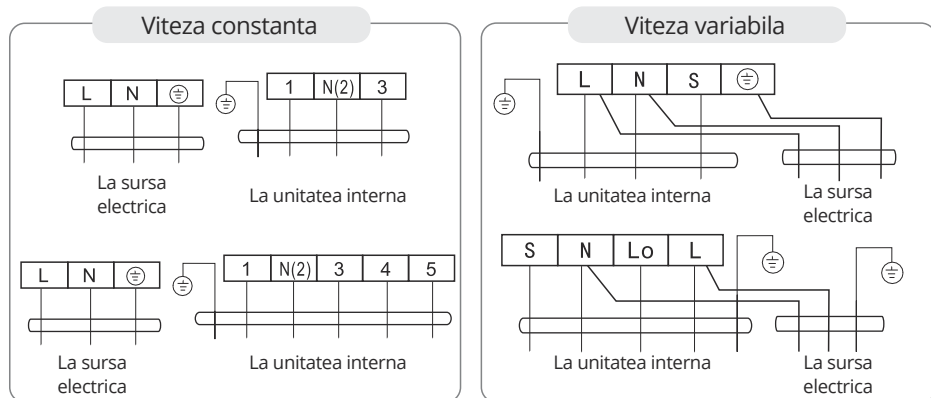


Diagrama de legare a firelor



Conectori



Daca exista conectori, conectati in mod direct.

NOTĂ:

- Acest manual include de obicei modul de cablare pentru diferitele tipuri de aer condiționat. Nu putem exclude posibilitatea ca anumite diagrame speciale de cablare să nu fie incluse.
- Diagrama are scop orientativ. Dacă unitatea este diferită de această diagrama de cablare, vă rugăm să consultați diagrama de cablare detaliată aflată pe unitatea achiziționată.

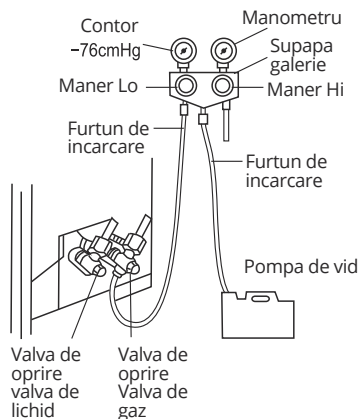
Instalarea unitatii externe

Aspirarea

★ **O pompă de refrigerare R32 exclusivă trebuie utilizată la crearea vidului agentului frigorific tip R32.**

Înainte de a lucra la aparatul de aer condiționat, îndepărtați capacul supapei de oprire (valvele de gaz și lichid) și asigurați-vă că îl strângeți mai târziu (pentru a preveni eventualele scurgeri de aer)

1. Pentru a preveni scurgerile de aer și vărsarea, strângeți toate piulițele de conectare ale tuturor tuburilor.
2. Conectați supapa de oprire, furtunul de încărcare, robinetul galeriei și pompa de vid.
3. Deschideți complet mânerul Lo-ul supapei de distribuție și aplicați vid timp de cel puțin 15 minute și verificați dacă gabaritul de vid compus citește -0.1MPa (-76cmHg).
4. După aplicarea vidului, deschideți complet robinetul de oprire cu o cheie hexagonală.
5. Verificați dacă conexiunile interioare și exterioare nu prezintă scurgeri de aer.

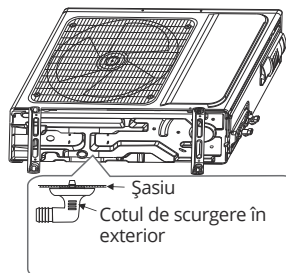


Drenarea condensului în aer liber (doar tip pompă de căldură)

Când unitatea se încălzește, condensul și apa de decongelare pot ieși în mod fiabil prin furtunul de scurgere.

Instalare:

Instalați cotul de scurgere exterior în orificiul $\Phi 25$ de pe placa de bază și îmbinați furtunul de scurgere la cot, astfel încât apa reziduală formată în unitatea exterioară să poată fi drenată pe o placă adecvată.



Verificarile post montaj si testarea

Verificari după instalare

Verificarea siguranței electrice

1. Dacă tensiunea de alimentare este corectă.
2. Dacă există o conexiune defectuoasă sau defectă în fiecare dintre firele de alimentare, semnal și împământare.
3. Dacă firul de împământare al aparatului de aer condiționat este împământat în siguranță.

Verificarea siguranței în instalare

1. Dacă instalarea este sigură.
2. Dacă scurgerea apei este lină.
3. Dacă cablarea și conducta sunt instalate corect.
4. Verificați dacă nu există materii străine sau instrumente rămase în interiorul unității.
5. Verificați că conducta de refrigerare este bine protejată.

Test de scurgere a agentului frigorific

În funcție de metoda de instalare, se pot utiliza următoarele metode pentru a verifica existența unei eventuale scurgeri suspecte, pe zone precum cele patru conexiuni ale unității exterioare și miezurile supapelor de decupare și ale valvelor T:

1. Metoda cu bulă: Aplicați un strat uniform de apă cu săpun peste locul suspect de scurgere și observați cu atenție dacă există bule de aer.
2. Metoda instrumentului: Verificarea scurgerilor, indicând sonda detectorului de scurgeri conform instrucțiunilor către punctele suspecte ale scurgerii.

Notă: Asigurați-vă că ventilația este bună înainte de verificare.

Operatiuni de testare

Pregătirea operației de testare:

- Verificați dacă toate tevilor și conexiunile sunt bine conectate.
- Confirmați că valorile de partea gazului pe partea lichidă sunt complet deschise.
- Conectați cablul de alimentare la o priză independentă (dedicată).
- Instalați bateriile în telecomandă.

Notă: Asigurați-vă că ventilația este bună înainte de testare.

Metoda de funcționare a testului:

1. Porniți puterea și apăsați butonul de comutare ON / OFF al telecomenzii pentru a porni aparatul de aer condiționat.
2. Selectați COOL, HEAT (nu este disponibil pe modelele exclusiv cool), SWING și alte moduri de operare cu telecomanda și vedeți dacă funcționează.

Atenție:

Pentru întreținere sau dezmembrare, vă rugăm să contactați centrele de service autorizate.

Întreținerea de către o persoană necalificată poate provoca pericole.

Alimentați aparatul de aer condiționat cu agent frigorific R32 și mențineți aparatul de aer condiționat în conformitate cu cerințele producătorului. Capitolul este axat în principal pe cerințele speciale de întreținere pentru aparatul cu agent frigorific R32. Cereți reparatorului să citească manualul de servicii tehnice post-vânzare pentru informații detaliate.

Cerințe de calificare ale personalului de întreținere

1. Este necesară o pregătire specială suplimentară procedurilor de reparație obișnuite a echipamentelor frigorifice atunci când este afectat echipamentul cu agenți frigorifici inflamabili. În multe țări, această pregătire este realizată de organizații naționale de formare care sunt acreditate să predea standardele de competență naționale relevante care pot fi stabilite în legislație. Competența obținută ar trebui documentată printr-un certificat.
2. Întreținerea și repararea aparatului de aer condiționat trebuie să fie efectuate conform metodei recomandate de producător. Dacă alți profesioniști sunt necesari pentru a ajuta la întreținerea și repararea echipamentului, acesta trebuie efectuat sub supravegherea persoanelor care au calificarea de a repara aparatele de aer conditionat echipate cu agent frigorific inflamabil.

Inspekția de siguranta

Trebuie să se efectueze inspekția de siguranță înainte de întreținerea echipamentului cu agent frigorific R32 pentru a vă asigura că riscul de incendiu este minimizat. Verificați dacă locul este bine ventilat, dacă echipamentele antistatice și de prevenire a incendiilor sunt în stare perfectă de funcționare.

În timp ce mențineți sistemul de refrigerare, respectați următoarele precauții înainte de a utiliza sistemul.

Proceduri de operare

1. Domeniul general de lucru:
Tot personalul de întreținere și alte persoane care lucrează în zona locală sunt instruiți cu privire la natura lucrărilor care se desfășoară. Se va evita munca în spații închise. Zona din jurul spațiului de lucru este secționată. Asigurați-vă că condițiile din zonă au fost securizate prin controlul materialelor inflamabile.
2. Verificarea prezenței agentului frigorific:
Zona trebuie verificată cu un detector de refrigerare corespunzător înainte și în timpul lucrului, pentru a se asigura că tehnicianul este conștient de atmosfera potențial toxică sau inflamabilă.
Asigurați-vă că echipamentul de detectare a scurgerilor care este utilizat este adecvat pentru utilizare cu toate substanțele frigorifice aplicabile, sigilate corespunzător sau sigure intrinsec.
3. Prezența extingtorului:

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În cazul în care se efectuează lucrări la cald pe echipamentul de refrigerare sau orice piese asociate, trebuie să fie disponibil echipament adecvat de stingere a incendiilor. Puneți o pulbere uscată sau un stingător de CO₂ adiacent zonei de încărcare.

4. Fără surse de aprindere:

Nici o persoană care efectuează lucrări în legătură cu un sistem de refrigerare care implică expunerea unei lucrări de conducte nu trebuie să utilizeze surse de aprindere în așa fel încât să poată duce la riscul de incendiu sau explozie. Toate sursele posibile de aprindere, inclusiv fumatul trebuie ținut suficient de departe de locul de instalare, reparație, îndepărtare și eliminare, timp în care eventual poate fi eliberat refrigerant în spațiul din jur. Înainte de a se desfășura activitatea, zona din jurul echipamentului trebuie verificată pentru a vă asigura că nu există pericole inflamabile sau riscuri de aprindere. Semnele „Fumatul Interzis” vor fi afișate.

5. Zona ventilată (deschideți ușa și fereastra):

Asigurați-vă că zona este în aer liber sau că este ventilată corespunzător înainte de a intra în sistem sau de a efectua lucrări la cald. Un anumit grad de ventilație va continua în perioada în care lucrările sunt efectuate. Ventilarea trebuie să disperseze în siguranță orice agent frigorific eliberat și, de preferință, să-l expulzeze extern în atmosferă.

6. Verificări la echipamentele frigorifice:

În cazul în care componentele electrice sunt schimbate, acestea trebuie să fie adecvate scopului și specificațiilor corecte. În orice moment, trebuie respectate instrucțiunile de întreținere și de service ale producătorului. În caz de îndoială, consultați departamentul tehnic al producătorului pentru asistență. Următoarele verificări se aplică instalațiilor care utilizează agenți frigorifici inflamabili:

- Mărimea încărcării este în concordanță cu dimensiunea camerei în care sunt instalate piesele care conțin agentul frigorific.
- Mașinile și prizele de ventilație funcționează corespunzător și nu sunt obstructionate.
- Dacă se utilizează un circuit de refrigerare indirect, se verifică circuitul secundar pentru prezența agentului frigorific.
- Țeava sau componentele de refrigerare sunt instalate într-o poziție în care este puțin probabil să fie expuse la orice substanță care poate coroda componente care conțin agentul frigorific, cu excepția cazului în care componentele sunt construite din materiale care sunt inerent rezistente la fiind corodate sau sunt protejate corespunzător împotriva a fi astfel corodate.

7. Verificări la dispozitivele electrice:

Repararea și întreținerea componentelor electrice trebuie să includă verificări de siguranță inițiale și proceduri de inspecție a componentelor. În cazul în care există o defecțiune care ar putea compromite siguranța, atunci nu este conectată nicio sursă electrică la circuit până când nu este rezolvată în mod satisfăcător. Dacă defecțiunea nu poate fi corectată imediat, dar este necesară continuarea funcționării, se va utiliza o soluție temporară adecvată. Acest lucru este raportat proprietarului echipamentului, astfel încât toate părțile sunt sfătuite. Controalele de siguranță inițiale includ:

- Condensatorii sunt descărcați: acest lucru trebuie efectuat într-un mod sigur pentru a evita posibilitatea apariției.
- Nu sunt expuse componente electrice sub tensiune și cabluri în timpul încărcării, recuperării sau purjării sistemului.
- Păstrați continuitatea împământării.

Verificarea cablului

Verificați cablul pentru uzură, coroziune, supratensiune, vibrații și verificați dacă există margini ascuțite și alte efecte adverse în mediul înconjurător. În timpul inspecției, trebuie avut în vedere impactul îmbătrânirii sau vibrația continuă a compresorului și a ventilatorului asupra acestuia.

Verificarea scurgerilor de agent frigorific R32

Notă: Verificați scurgerea agentului frigorific într-un mediu în care nu există o sursă potențială de aprindere. Nu trebuie utilizată nici o sondă cu halogen (sau orice alt detector care folosește o flacără deschisă).

Metoda de detectare a scurgerilor:

Pentru sistemele cu refrigerant R32, este disponibil un instrument electronic de detectare a scurgerilor, iar detectarea scurgerilor nu trebuie efectuată în mediu cu agent frigorific. Asigurați-vă că detectorul de scurgeri nu va deveni o sursă potențială de aprindere și este aplicabil agentului frigorific măsurat. Detectorul de scurgeri trebuie setat pentru concentrația minimă de combustibil (procentul) de agent frigorific. Calibrați și ajustați la concentrația corespunzătoare de gaz (nu mai mult de 25%) cu agentul frigorific utilizat. Lichidul utilizat în detectarea scurgerilor este aplicabil majorității agenților frigorifici. Dar nu folosiți solvenți clorură pentru a preveni reacția dintre clor și agenți de răcire și coroziunea conductei de cupru.

Dacă bănuieți că există o scurgere, atunci scoateți tot focul de pe scena sau stingeți focul. Dacă locația scurgerii trebuie sudată, atunci trebuie să fie recuperati toți agenții de refrigerare sau, izolați toți agenții frigorifici departe de locul de scurgere (folosind supapa de tăiere). Înainte și în timpul sudării, utilizați OFN pentru a purja întregul sistem.

Îndepărtarea și pomparea în vid

1. Asigurați-vă că nu există nicio sursă de foc aprinsă la ieșirea pompei de vid și că ventilația este bine.
2. Întreținerea și alte operațiuni ale circuitului de refrigerare ar trebui să fie efectuate în conformitate cu procedura generală, dar cheia dintre cele mai bune operații pe care inflamabilitatea este deja luată în considerare sunt cheia. Ar trebui să urmați următoarele proceduri:
 - Scoateți agentul frigorific.
 - Decontaminați conducta prin gaze inerte.
 - Evacuarea.
 - Decontaminați conducta din nou prin gaze inerte.
 - Tăiați sau sudați conducta.
3. Refrigerantul trebuie returnat rezervorului de depozitare corespunzător. Sistemul trebuie aruncat cu azot fără oxigen pentru a asigura siguranța. Este posibil ca acest proces să fie repetat de mai multe ori. Această operațiune nu trebuie efectuată cu aer comprimat sau oxigen.
4. Prin procesul de suflare, sistemul este încărcat în azot anaerob pentru a ajunge la presiunea de lucru sub starea de vid, apoi azotul liber de oxigen este emis în atmosferă,

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iar în final, se aspiră sistemul. Repetați acest proces până când toate substanțele frigorifice din sistem sunt eliminate. După încărcarea finală a azotului anaerob, descărcați gazul în presiunea atmosferică, iar apoi sistemul poate fi sudat. Această operație este necesară pentru sudarea conductei.

Procedura de incarcare refrigerant

Ca supliment la procedura generală, trebuie adăugate următoarele cerințe:

- Asigurați-vă că nu există nicio contaminare între diferiți agenți de răcire atunci când utilizați un dispozitiv de încărcare a agentului frigorific. Conducta pentru încărcarea agenților frigorifici trebuie să fie cât mai scurtă posibil pentru a reduce reziduurile de agenți frigorifici din el.
- Rezervoarele de depozitare trebuie să rămână în poziție verticală.
- Asigurați-vă că soluțiile de împământare sunt deja luate înaintea ca sistemul de refrigerare să fie încărcat cu agenți frigorifici.
- După terminarea încărcării (sau când nu este încă terminată), etichetați marca pe sistem.
- Aveți grijă să nu supraîncărcați agenții frigorifici.

Resturi si Recuperare

Resturi:

Înainte de a începe această lucrare, este esențial ca tehnicianul să se familiarizeze cu aparatul. Este recomandat să recuperați întreaga cantitate de agent frigorific. Înainte de a începe lucrarea, prelevați esanțioane din ulei și din agentul frigorific.

1. Familiarizați-vă cu aparatul și modul de funcționare al acestuia.

2. Deconectați unitatea de la sursa de energie electrică.

3. Înainte de a începe procedura faceți următoarele verificări:

* Aveți disponibil întregul echipament necesar.

* Aveți disponibil întregul echipament de protecție necesar și ca este folosit corect.

* Întregul proces de recuperare a refrigerantului este supravegheat în permanență de către personal calificat.

* Echipamentul de recuperare și cilindrii de depozitare sunt conforme cu standardele naționale.

4. Dacă este posibil, sistemul de refrigerare trebuie vidat.

5. Dacă starea de vid nu poate fi atinsă, trebuie să extrageți agentul frigorific din mai multe locuri.

6. Înainte de începerea recuperării, ar trebui să vă asigurați că capacitatea de stocare a rezervorului este suficientă.

7. Porniți și folosiți echipamentul de recuperare conform instrucțiunilor producătorului.

8. Nu supraîncărcați cilindrii de depozitare (volumul lichid nu trebuie să depășească 80% din volumul recipientului).

9. Deși durata operației este scurtă, nu depășiți limita superioară a presiunii în cilindru.

10. Când recipientele au fost umplute și procesul s-a încheiat, înlaturați-le imediat din incăperă și toate supapele echipamentului folosit sunt închise.

11. Nu folosiți agentul frigorific recuperat în alta instalație decât după ce acesta a fost purificat

si testat.

Nota: O data ce ati scos din functiune aparatul, asigurati-va ca faceti identificarea agentului frigorific. Refrigerantul recuperat trebuie sa fie etichetat cu tipul acestuia si data la care s-a efectuat evacuarea.

Recuperarea:

1. Atunci cand eliminati freonul dintr-un sistem, pentru mentenanata sau scoaterea din folosire, este recomandat sa respectati normele de siguranta pentru indepartarea agentului frigorific.
2. Atunci cand transferati freonul in recipiente, asigurati-va ca sunt potrivite pentru aceasta masura. Asigurati-va ca aveti disponibile suficiente recipiente pentru intreaga cantitate de agent frigorific din sistem. Cilindrii vor fi echipati cu supape de presiune si supape de inchidere care trebuie sa fie in bune conditii.
3. Echipamentul de recuperare folosit trebuie sa fie functional si in buna conditie, are instructiuni disponibile si este potrivit pentru respectiva lucrare. De asemenea, trebuie sa aveti la indemana un cantar calibrat si functional. Furtunul pentru transfer trebuie sa fie in stare perfecta, avand protectie la scurgere. Inainte de inceperea recuperarii, asigurati-va ca toate componentele electrice sunt izolate pentru a preveni aparitia scanteilor in cazul unei scurgeri de refrigerant. Daca aveti intrebari suplimentare, va rugam sa va adresati producatorului.
4. Cantitatea de refrigerant recuperata trebuie returnata distribuitorului in recipientele corespunzatoare, etichetata corect si cu instructiuni de transportare. Nu amestecati agentii frigorifici in echipamentul de recuperare, si in mod special in recipientele de colectare.
5. Spatiul in care se face incarcarea agentului frigorific R32 trebuie sa fie deschis. Luati masuri anti electrostatice daca este necesar transportul. In cazul transportului, atat la incarcare cat si la descarcare, sunt necesare masuri de protectie pentru a nu deteriora aparatul de aer conditionat.
6. In cazul in care trebuie sa inlaturati compresorul sau uleiul din compresor, asigurati-va ca ati eliminat intreaga cantitate de agent frigorific R32. Asigurati-va ca ati eliminat intreaga cantitate de refrigerant inainte de a face returnarea catre distribuitor.

Toate imaginile din acest manual, au scop pur informativ. Forma reala a produsului pe care l-ati cumparat poate fi usor diferita inasa functiile si operatiile sunt aceleasi. Compania nu isi asuma nici o responsabilitate pentru greselile de tipar. Aspectul fizic si specificatiile tehnice se pot schimba fara o notificare prealabila datorita imbunatatirii continue a echipamentelor noastre.

Pentru mai multe detalii, va rugam sa contactati producatorul la numarul de telefon: +30 211 300 3300, sau vanzatorul echipamentului. Toate actualizarile acestui manual vor fi disponibile pe website-ul nostru si va recomandam sa verificati intotdeauna pentru aparitia unei noi versiuni.

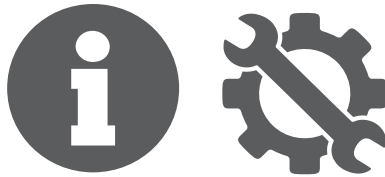


Scanati codul QR pentru a descarca ultima versiune a manualului.
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AIR CONDITIONING SYSTEMS

MULTI SPLIT SYSTEM



Please check the applicable models, F-GAS and manufacturer information from the "Owner's Manual - Product Fiche" in the packaging of the outdoor unit. (European Union products only).

