kogan KHACSPLT35A Reverse Cycle Split System Inverter Air Conditioner User Guide

Contents

kogan KHACSPLT35A Reverse Cycle Split System Inverter Air Conditioner

Indoor Unit

Safety & Installation Warnings

- Please read this guide carefully before operating the unit to ensure correct installation.
- If the power cord is damaged, replacement work must be carried out by Kogan technicians only.
- Installation work must be performed in accordance with the national wiring standards by a qualified electrician who is experienced in air-conditioning installation.
- Children should be supervised to ensure they do not play with the equipment.
- All images used in this guide are for explanation purposes only.
- The design and specifications of the product are subject to change without prior notice for product improvement.

Please read these safety precautions carefully before installation.

Be sure to follow ALL of the precautions below.

- Install according to these instructions strictly. Failure to do so can result in water leakage, electrical shock, or fire.
- Use the included accessories and parts for the installation, otherwise it can result in the set falling, water leakage, electrical shock, or fire.
- Install in a strong, stable location that is able to support the unit weight. If the strength of the supporting wall is not sufficient or installation is not performed properly, the unit may drop and cause injury.
- For electrical work, follow the national wiring standards, regulations, and the instructions supplied in this guide. An independent circuit and single outlet must be used. If the electrical circuit capacity is not adequate or the electrical work is defective, it may cause electrical shock or fire.
- Use the specified cable and connect tightly. Clamp the cable so that no external force will be acted upon the cable terminal. If the connection or wiring is not perfect, it can cause excessive heating or even fire at the connection.
- Wiring routing must be properly arranged so that the control board is fixed properly. If the control board is not fixed properly, it can cause excessive heat at the point of termination, or even fire.
- When carrying out the piping connection, take care not to let air substances other than the specified refrigerant go into the refrigeration cycle. Otherwise, it may cause lower operating capacity, abnormally high pressure in the refrigeration cycle, explosions, and injury.

- Do not modify the length of the power supply cord or use an extension cord. Do not share the single outlet with any other electrical appliances, as it will cause fire or electric shock.
- This equipment must be grounded and installed with a ground leakage current breaker. It may cause an electric shock if the grounding is not correct.
- Do not install the unit in a location where the leakage of flammable gas may occur. In the event of gas leaking and accumulating around the unit, it may cause a fire.
- Set up the drainage pipes as instructed in these instructions. If the drainage is not correct, water may enter into the rooms and damage furniture.

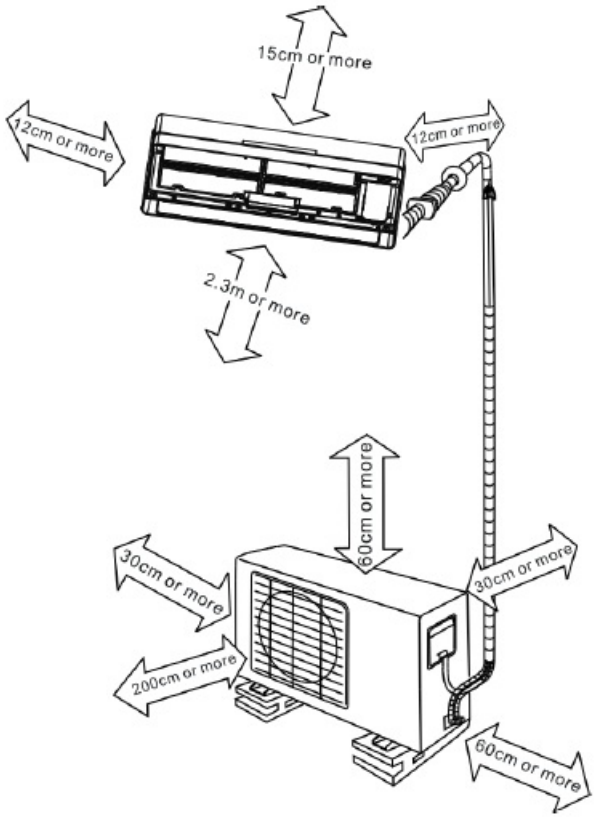
Selecting the Best Location

Indoor unit

- There should not be any heat source or heat stream near the unit.
- There should not be any obstacles blocking air circulation.
- Locate a place where air circulation in the room is good .
- Locate a place where drainage can be easily set up .
- Locate a place where noise prevention can be taken into consideration .
- Do not install the unit near a doorway .
- Ensure there is adequate clearance as indicated by the arrows from the wall, ceiling, fence or other obstacles.
- There should not be any direct sunlight.
- If unavoidable, sunlight prevention should be taken into consideration.

Outdoor unit

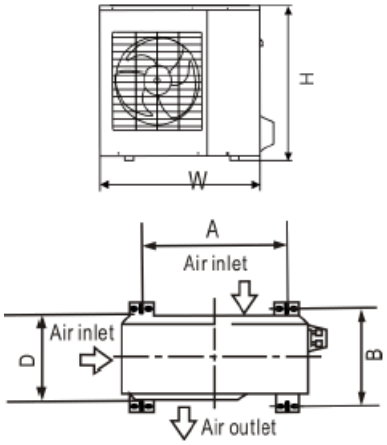
- If an awning is built over the unit to prevent direct sunlight or rain, be careful that the heat radiating from the condenser is not obstructed.
- There should not be any plants or animals nearby that can be affected by hot air being discharged.
- Keep the space as indicated by the arrows from the wall, ceiling, fence or other obstacles.
- Do not place any objects nearby that may cause a blockage to discharged air.



Settlement of Outdoor Unit
Anchor the outdoor unit with a bolt and nut of 10 or 8mm diameter tightly, horizontally on a concrete slab or rigid mount.

Note:
The outdoor unit may be of one of the following sizes. Install the outdoor unit according to the dimensions as indicated in the table below.

Outdoor Unit Dimensions mm (W x H x D)	Mounting Dimensions	
	A (mm)	B (mm)
700 X 540 X 240	458	250
685 X 430 X 260	460	276
780 X 540 X 250	549	276
760 X 590 X 285	530	290
845 X 700 X 320	560	335
775 X 545 X 310	600	320
670 X 540 X 265	481	276



Accessories

Number	Name of Accessory			Quantity
	Installation Plate			
2	Clip Anchor			5 – 8 (depending on model)
3	Self-tapping Screw A ST3.9 x 25			5 – 8 (depending on model)
4	Seal (for cooling/heating models only)			
5	Drain joint (for cooling/heating models only)			
6	Connecting Pipe Assembly	Liquidside	6.35	Parts you must purchase. The pipe sizes differ from appliance to appliance. Consult with the installation technician for the proper size required.
			9.52	
		Gasside	9.52	
			12.7	
			16	
7	Remote controller			
8	Self-tapping screw B ST2.9 x 10 s		ı Optional part	2
9	Remote control holder			
10	Air filter			

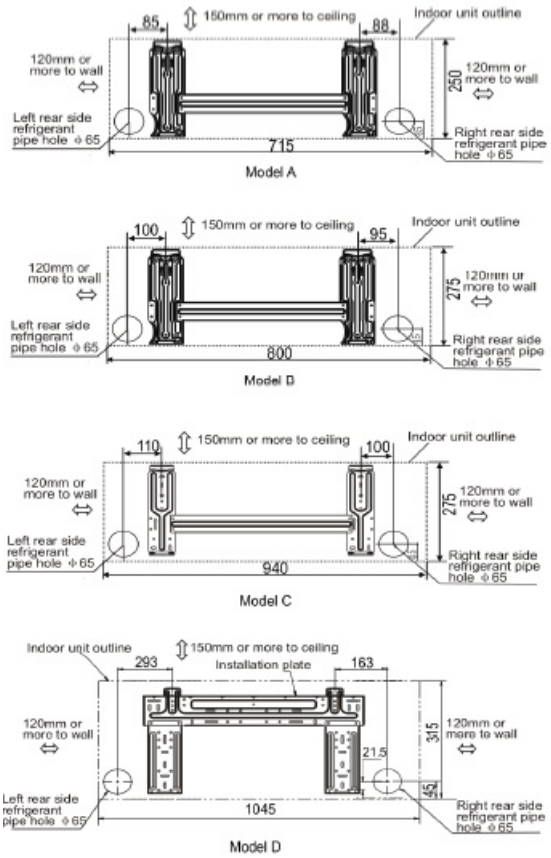
Any other parts not listed above that are required for installation will need to be purchased separately.

Installation Plate Mounting

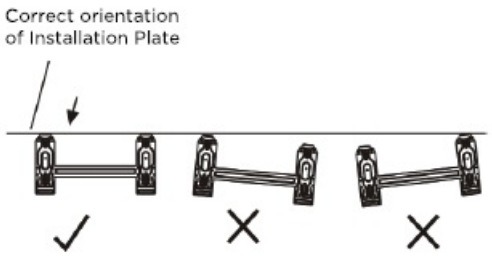
Note: the mounting wall must be strong enough to support the unit with vibrations.

Plate Mounting Installation
Fit the installation plate horizontally on the structural parts of the wall, with sufficient space around the installation plate.

- If the wall is made of brick, concrete, or the like, drill five or 5-mm diameter holes in the wall. Insert clip anchors for appropriate mounting screws.
- Fit the installation plate on the wall with five or either type screws.

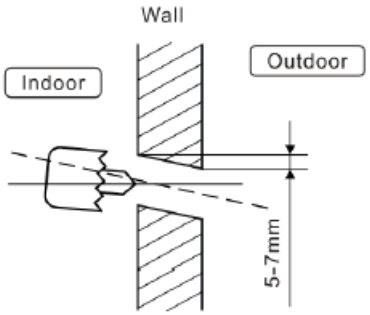


Note
Mount the installation plate and drill holes in the wall according to the wall structure and corresponding mounting points on the installation plate. (Dimensions shown in images are mm unless otherwise stated.)



Drill a Hole in the Wall

1. Determine the hole positions according to the left and right sides of the installation plate. The hole center is obtained by measuring the distance as shown in the diagram.
2. Drill the piping plate hole with a 65mm hole-core drill.
3. Drill the piping hole at either the left or right, noting that the hole should be slightly slanted towards the outdoor side.
4. Always take steps to protect the pipe when drilling metal grids, plates, or the like.



Connecting the Cable to the Indoor Unit

Electrical Work
Electric safety regulations for the initial installation

1. If there are any safety concerns regarding the power supply, the technician should refuse to install the air conditioner, explain the issue to the client, and wait until the problem is solved.
2. Power voltage should be in the range of 90% – 110% of the rated voltage.
3. The surge protector and mains power switch with a 1.5-time capacity of the Max. Current should be installed in the power circuit. Ensure the air conditioner is grounded well.
4. The appliance should be installed in accordance with national wiring regulations. Do not operate your air conditioner in a wet room such as a bathroom or laundry.
5. An all-pole disconnection device that has at least 3mm clearances in all poles, and a leakage current that may exceed l0mA, the residual current device (RCD) having a rated residual operating current not exceeding 30mA, and disconnection must be incorporated into the fixed wiring in accordance with the wiring rules.
6. Keep both the indoor and outdoor units at least lm away from the nearest combustible materials.
7. Follow the Electrical Connection Diagrams, located on the panels of the indoor and outdoor units to connect the wiring.
8. All wiring must comply with the local and national electrical wiring codes and must be installed and signed off by qualified, skilled electricians.
9. An individual branch circuit and single receptacle used only for this air-conditioner must be available. See the following table for suggested wiring sizes and fuse specifications:

Rated current of appliance **(A)**	**Nominal cross-sectional area (mm2)**
>3 and <6	0.75
>6 and <10	
>10 and <16	1.5
>16 and <25	2.5
>25 and <32	4
>32 and <40	6

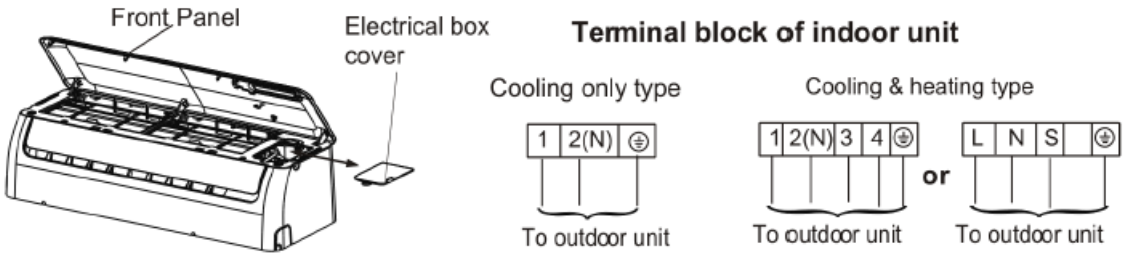
Note:
The wire size of the power supply cord and interconnected wire and the current fuse or switch are determined by the maximum current indicated on the nameplate which is located on the side of the unit. Please refer to the nameplate before selecting the wire size. fuse or switch.

The controller of the air-conditioner is designed with a fuse protection function under abnormal conditions, the specifications of the fuse have printed on the circuit board, such as: T3.15A/250VAC, T5A/250VAC etc.

Connecting the cable to the indoor unit

Note:
Before performing ANY electrical work, turn off the mains power to the location.

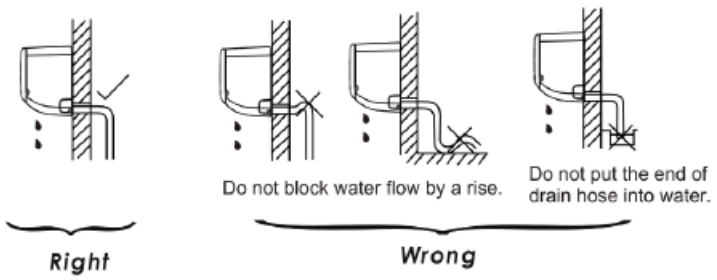
1. The inside and outside connecting cable can be connected without removing the front grill.
2. The indoor power cord type is H05VV-F or H05V2V2-F. The outdoor power cord and interconnected cord type is H07RN-F.
3. Lift the indoor unit panel up, then remove the electrical box by loosening the screw.
4. Ensure the colour of wires of the outdoor unit and terminal numbers are the same as the indoor units respectively.
5. Wrap the cables not connected with terminals with insulation tape so they will not touch any electrical components. Secure the cable onto the control board with the cord clamp.



Connective Pipe and Drainage Installation

Drainage

1. Run the drain hose sloping downwards. Do not install the drain hose as shown in the “wrong” figures.
2. When connecting an extension drain hose, insulate the connecting part of the extension drain hose with a shield pipe. Do not let the drain hose slack.

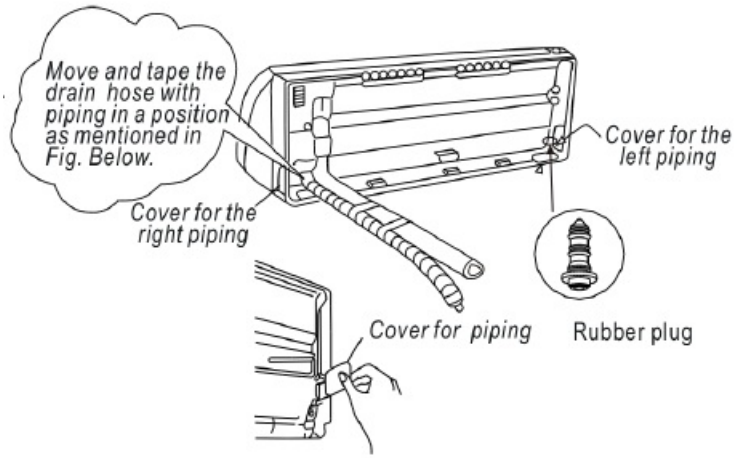


Connective Pipe Installation

1. For the left-hand and right-hand piping, remove the pipe cover from the side panel.
2. For the right back and left back piping, install the piping as shown.

NOTE: Both sides drainage structure is standard. For both sides drainage structure, it can be selected for right, left or both sides. If choosing both sides for drainage connections, another proper drain hose is needed as there is only one drain hose supplied. If choosing one side drainage connection, make sure the drain hole on the other side is plugged securely. For 9k/12k models, if choosing left-side or left-back piping, please opt for the left-side drainage connection. The connection of the drain hose should be done by a proper installer to avoid water leakage.

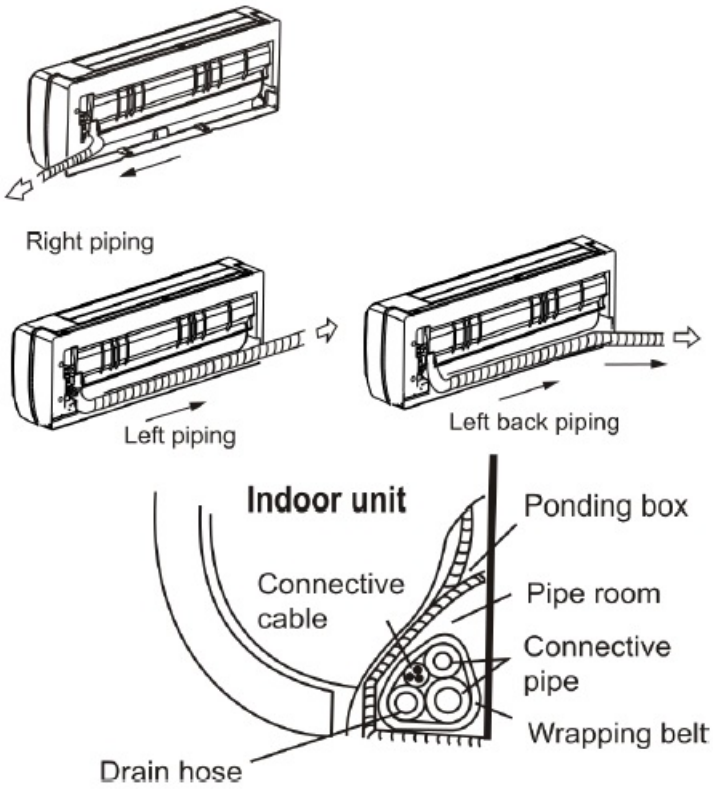
3. Bundle the tubing, connecting cables and drain hose with tape securely, as shown in the image.



Due to condensed water from the rear of the unit gathering in the ponding box to be piped out of the room, ensure nothing else is put into the box.

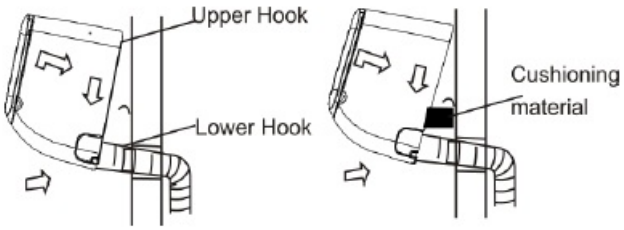
CAUTION

- Connect the indoor unit first, then the outdoor unit.
- Do not allow the piping to come loose from the back of the indoor unit.
- Be careful not to let the drain hose slack.
- Heat insulation should be done to the extension drain hose of the indoor unit.
- Be sure that the drain hose is located at the lowest side of the bundle. Locating it at the upper side can cause the drain pan to overflow inside the unit.
- Never intercross or intertwine the power wire with any other wiring.



Indoor Unit Installation

1. Pass the piping through the hole in the wall.
2. Hook the indoor unit onto the upper portion of the installation plate. (Engage the indoor unit with the upper edge of the plate). Ensure the hooks are properly seated on the plate by moving it left and right.
3. Piping can easily be placed by lifting the indoor unit with a cushioning material between the indoor unit and the wall. Remove cushioning once completed.
4. Press the lower left and right side of the unit against the installation plate until the hooks engage with their slots.



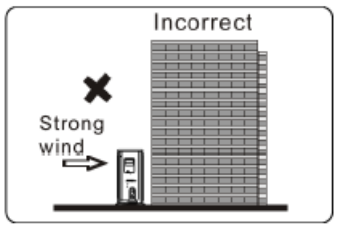
Outdoor Unit

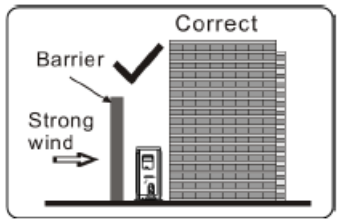
Safety and Installation Warnings

- Install the outdoor unit on a rigid base to prevent increased noise and vibrations.
- Determine the air outlet direction where the discharged air will not be blocked.
- In the case that the installation location is subject to strong winds, such as near the seaside, make sure that the fan can operate properly by putting the unit lengthwise along the wall or using a dust barrier or shield plates.
- In windy locations, install the unit to prevent the admission of wind. If suspended installation is required, the installation bracket should accord with the technique requirement in the installation bracket diagram. The installation wall should be solid brick, concrete or of similar intensity construction. If this is not possible, then

actions to reinforce and dampen movement should be taken.

- The connection between the bracket and wall, and the bracket and air-conditioner should be firm, stable and reliable. Ensure there are no obstacles blocking the radiating air.

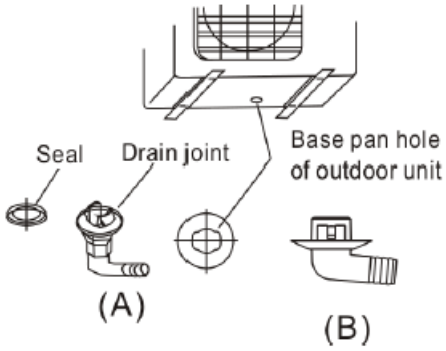




Drain Joint Installation

Note: The drain joint slightly differs for different outdoor units.

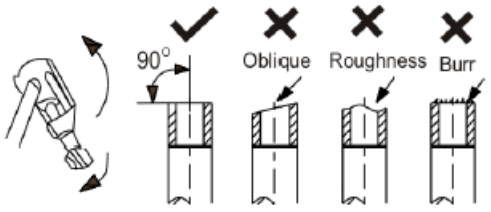
- For the drain joint with the seal (fig A), first fit the seal onto the drain joint, then insert the drain joint into the base pan hole of the outdoor unit and rotate 90° to securely assemble them.
- To install the drain joint as shown in Fig B, insert the drain joint into the base pan hole of the outdoor unit until it connects with a clicking sound.
- Connect the drain joint with an extension drain hose (not supplied), in case of the water draining off the unit during heating mode.



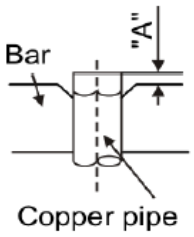
Refrigerant Pipe Connection

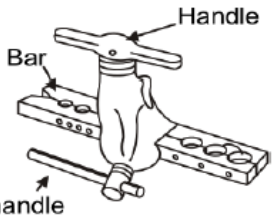
Flaring

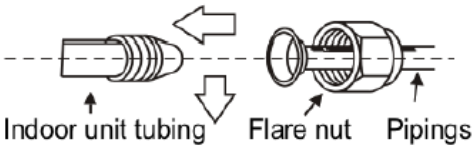
1. Cut a pipe with a pipe cutter.
2. Put flare nuts on the pipe/tube, having completed burr removal and flaring the pipe.
3. Firmly hold the copper pipe in the die as according to the table below.

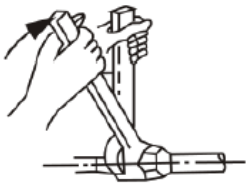


Outer Diameter (mm)	A (mm)	
	Max.	Min.
⌀ 6.35	1.3	0.7
⌀ 9.52	1.6	1.0
⌀ 12.7	1.8	1.0
⌀ 16	2.2	2.0









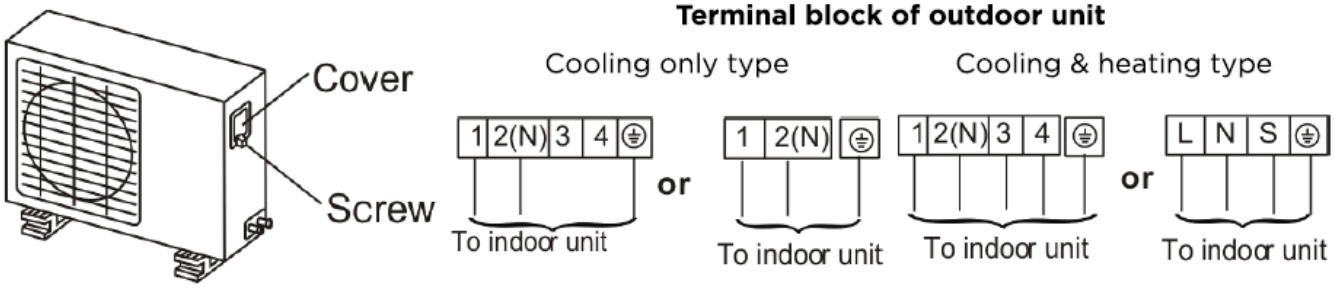
liabtenjna Connection

- Align the pipes to be connected.
- Sufficiently tighten the flare nut with your fingers, then tighten it with a spanner and torque wrench as shown.
- Excessive torque can break the nut, depending on the installation conditions.

Outer Diameter	Tightening torque (N.cm)	Additional tightening torque (N.cm)
06.35mm	1500 (153kgf.com)	1600 (163kgf.com)
09.52mm	2500 (255kgf.com)	2600 (265kgf.com)
012.7mm	3500 (357kgf.com)	3600 (367kgf.com)
016mm	4500 (459kgf.com)	4700 (479kgf.com)

Connecting the Cable to the Outdoor Unit

1. Remove the electrical control board cover from the outdoor unit by loosening the screw.
2. Connect the connective cables to the terminals as identified with their respective matched numbers on the terminal block of indoor and outdoor units.
3. Secure the cable onto the control board with the cord clamp.
4. To prevent ingress of water, form a loop of the connective cable as illustrated in the installation diagram on the indoor and outdoor units.
5. Insulate unused cords (conductors) with PVC tape. Arrange them so they do not touch any electrical or metal parts.



Air Purging & Test Operation

Note:
Connective pipe length will affect the capacity and energy efficiency of the unit. The nominal efficiency is tested based on the pipe length of 5 meters.

Air Purging

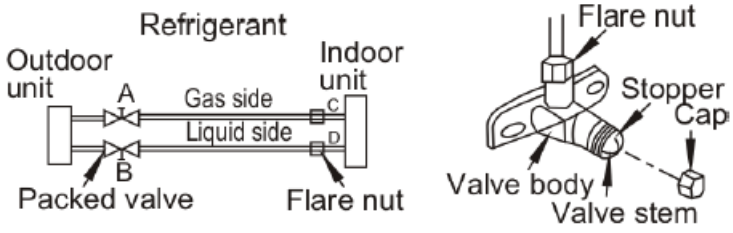
- The indoor unit and tubing between the indoor and outdoor unit must be leak tested and evacuated to remove any non-condensable moisture from the system.
- Check that each tube (both liquid and gas side tubes) between the indoor and outdoor units has been properly connected and all wiring for the test run has been completed.
- Pipe length and refrigerant amount:

Connective pipe length	**Air purging method**	**Additional amount of refrigerant to be charged**	
Less than Sm	Vacuum pump		
More than Sm	Vacuum pump	Liquid side: 6.35mm R22: (Pipe length-5)x30g/m R410A: (Pipe length-5)x20g/m	Liquid side: 9.52mm R22: (Pipe length-5)x60g/m R410A: (Pipe length-5)x40g/m

- For the R410A refrigerant model, make sure the refrigerant added to the air-conditioner is in liquid form.
- When relocating the unit to another location, use a vacuum pump to perform the evacuation.

CAUTION

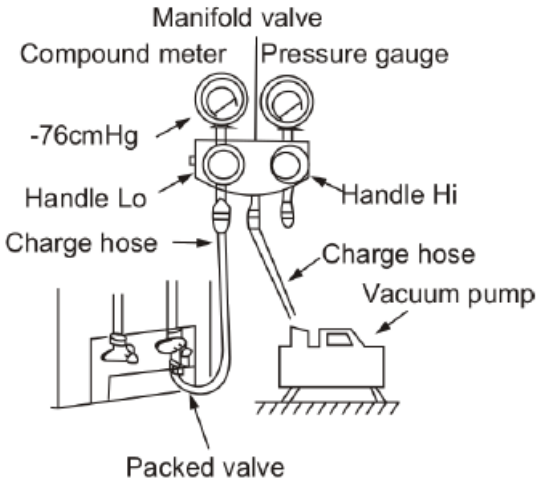
- Open the valve stem until it hits the stopper. Do not try to open it further.
- Securely tighten the valve stem cap with a spanner or the like.
- Valve stem cap tightening torque. See the tightening torque table.



Using the Vacuum Pump

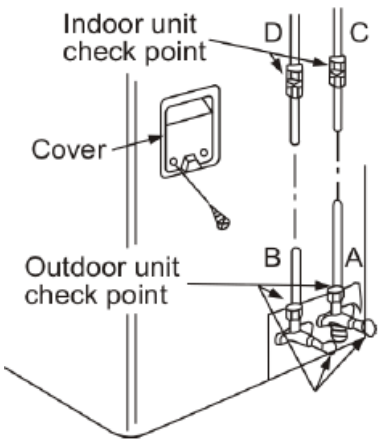
1. Completely tighten the flare nuts, A, B, C, and D, and connect the manifold valve charge hose to a charge port of the packed valve on the gas pipe side.
2. Connect the charge hose connection to the vacuum pump.
3. Fully open the Lo handle of the manifold valve.
4. Operate the vacuum pump to evacuate. After starting evacuation, slightly loosen the flare nut of the packed valve on the gas pipe side and check that the air is entering. (The operation noise of the vacuum pump changes and a compound meter will indicate O instead of minus).

5. After the evacuation is complete, fully close the Lo handle of the manifold valve and stop the operation of the vacuum pump. Run the evacuation for 15 minutes or more, then check that the compound meter indicates -76cmHg(-1.0x105Pa).
6. Turn the stem of the packed valve B about 45° counter-clockwise for 6-7 seconds after the gas comes out, then tighten the flare nut again. Make sure the pressure display in the pressure indicator is a little higher than the atmosphere pressure.
7. Remove the charge hose from the Low-pressure charge hose.
8. Fully open the packed valve stems B and A
9. Securely tighten the cap of the packed valve.



Safety and Leakage Check

1. **soap water method**
   Apply soap water or liquid-neutral detergent onto the indoor unit connections and outdoor unit connections with a soft brush to check for leakage of the connecting points of the piping. If bubbles come out, it indicates the pipes have leakage.
2. **Leak detector**
   Use a leak detector to check for leakages.

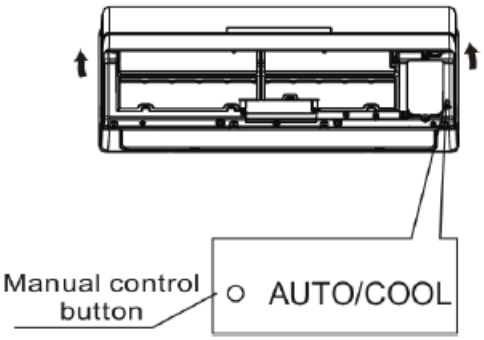


CAUTION

- **A:** Lo packed valve.
- **B:** Hi packed valve.
- **C:** and D are the ends of the indoor unit connection.

Test Running
Perform test operations after completing gas leak checks at the flare nut connections and the electrical safety check.

- Check all tubing and wiring have been properly connected.
- Check that the gas and liquid side service valves are fully open.
- Connect the power, and press the ON/OFF button on the remote control to turn the unit on.
- Use the MODE button to select COOL, HEAT, AUTO, and FAN to check that all the functions are working correctly.
- When the ambient temperature is too low (below 17°C), the unit cannot be controlled by the remote control to run in cooling mode, so manual operation can be taken. Manual operation is used only when the remote control is disabled or maintenance is necessary.
- Hold the pan sides and lift the panel up to an angle until it remains fixed with a clicking sound.
- Press the Manual control button to select AUTO or COOL, and the unit will operate under forced AUTO or COOL modes.
- The test operation should last about 30 minutes.

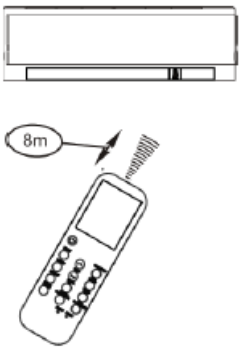


Remote Control

Handling the Remote Control

Location of use

- Use the remote control within a distance of 8 meters from the appliance, pointing it towards the receiver. Reception will be confirmed with a beep.
- Keep the remote control where its signals can reach the receiver on the unit. When you select the timer operation, the remote controller transmits a signal to the indoor unit at the specified time. If you remove the remote control from range, a time lag of up to 15 minutes may occur.



Caution

- The air conditioner will not operate if curtains, doors, or other materials block the signals from the controller to the indoor unit
- Prevent any liquids from falling onto the remote control. DO not expose the controller to direct sunlight or heat.
- If the infrared receiver on the indoor unit is exposed directly to sunlight, the air-conditioner may not function correctly. Use curtains to prevent sunlight from falling onto the receiver.

Replacing Batteries
The remote control is controlled by two batteries housed in the rear of the unit.

- Remove the cover by pressing and sliding it off.
- Remove the old batteries and insert new batteries, making sure to point the polarities correctly as shown by the symbols in the battery casing.
- Reattach the cover by sliding it back into position.

Note: when the batteries are removed, the remote controller erases all programming.

- Do not mix old and new batteries or batteries of different types.
- Do not leave batteries in the remote control if they are not going to be used for more than 2 months.
- Do not dispose of batteries in household waste.

Features

- **Operating mode:** AUTO, COOL, DRY, HEAT and FAN
- Timer setting function in 24 hours.
- **Indoor setting temperature range:** 17C – 30C
- Full LCD screen

Note: buttons may differ slightly from those shown in this manual.

Product Usage

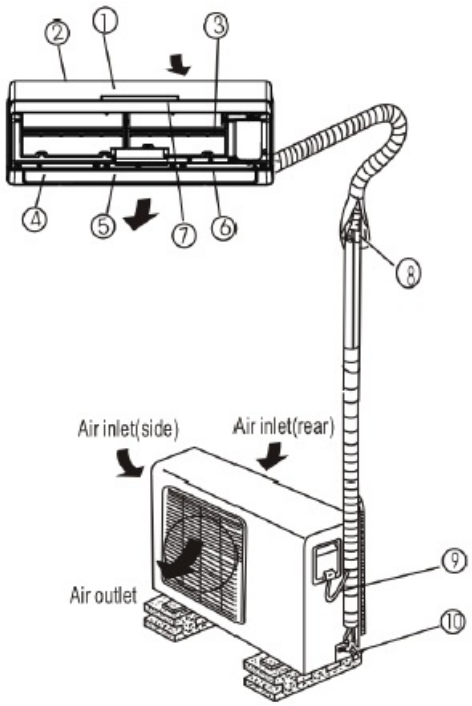
Product Layout

Indoor Unit

1. Front panel
2. Air inlet
3. Air filter
4. Air outlet
5. Horizontal airflow grille
6. Vertical airflow louver (inside)
7. Display Panel

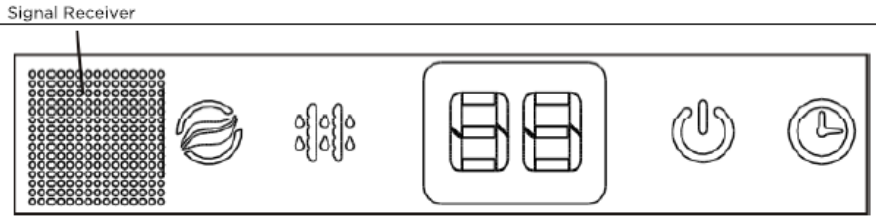
Outdoor Unit

8. Connection pipe
9. Connection cable
10. Stop valve



Note:
The images in this manual are for explanation purposes only. The actual appearance of your unit may differ in small ways.

Indication Lamp



	ION indication lamp (if present) Lights up when ClearAir feature is activated.
	DEFROST indication lamp (if present) Lights up when the air conditioner starts defrosting automatically, or when the warm air control feature is activated in heating operation.
	TEMPERATURE indication lamp Displays the temperature settings when air-conditioner is operational. Displays the malfunction code if a fault occurs.
	OPERATION indication lamp Lights up when the air-conditioner is in operation.
	TIMER indication lamp Lights up during the timer operation.

Special Functions

Refrigerant Leakage Detection
With this new technology, the temperature display will show “EC” and the indication lamps will continue flashing when the outdoor unit detects refrigerant leakage.

SELF CLEAN function

- The function used after the shutdown of cooling operations is to clean the evaporator and keep it fresh for the next use.
- The unit will operate in the following sequence: FAN ONLY mode at low speed ➔ HEATING operation with LOW fan speed (applicable to cooling & heating modes) ➔ FAN ONLY operation ➔ Stop Operations ➔ Turn off.
- This function is only available under COOL (AUTO COOL, MANUAL COOL) and DRY modes.
- Before selecting this function, it is recommended that you run the air conditioner under Cooling operation for approximately half an hour. Once the self-cleaning function is activated, all TIMER settings will be canceled.
- During the self-clean operation, pressing the SELF-CLEAN button on the remote control again will stop the operation and shut the unit off.

CLEAN AIR function
Improving the quality of indoor air is one of the purposes of the air-conditioner. This air-conditioner is equipped with an ionizer or plasma dust collector (depending on the model). With the anions generated by the ionizer, the air circulation of the air-conditioner fills the room with refreshing, natural healthy air. The plasma dust collector generates a high-voltage ionization zone, through which the air is converted into plasma. Inside this air, most dust, smoke and pollen particles are then captured by an electrostatic filter.

Anti-mildew function

- When COOL, DRY, or AUTO modes are turned off, the air-conditioner will continue operating for about 7-10 minutes at LOW fan speed. If it turns off on HEAT mode, then the unit will continue operating for about 30 seconds and LOW fan speed. This will help to dry up any condensed water inside the evaporator and prevent the growth of mildew.
- While in anti-mildew operation, do not restart the air-conditioner again until the unit has shut off completely.

Operating Temperature

Temperature	Cooling Operation	Heating Operation	Drying Operation
Room Temperature	17°C – 32°C	0°c – 30°c	10°c – 32°c
Outdoor Temperature	0°C – 50°C	-15°C – 30°C	0°C – 50°C

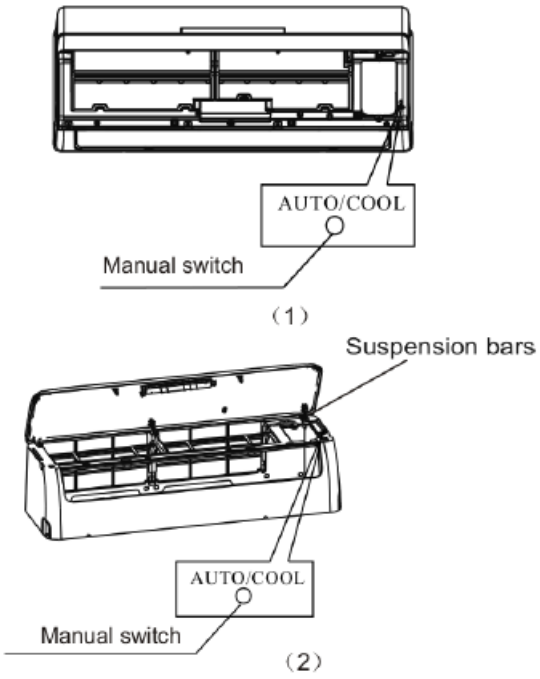
Note:
Optimum performance will be achieved within these operating temperatures. If the air-conditioner is used outside of the above conditions, certain safety protection features might come into operation which may cause the unit to function abnormally.

If the air conditioner runs for a long time in cooling mode and the humidity is high (over 80%), condensed air may drip out of the unit. Please set the vertical air louver to its maximum angle (vertical to the floor), and set HIGH fan mode.

Manual Operation
Units are equipped with a switch to run emergency operation modes. It can be accessed by opening the front panel. This switch is used for manual operation in case the remote controller fails to work, or maintenance is necessary.

Note:
The unit must be turned off before operating the manual control button. If the unit is operational, continue pressing the manual control button until the unit is off.

1. Open and lift the front panel up to an angle until it remains fixed with a clicking sound.
2. One press of the manual control switch will lead to the forced AUTO operation. If pressing the switch face within five seconds, the unit will operate under forced COOL operation.
3. Close the panel firmly to its original position.



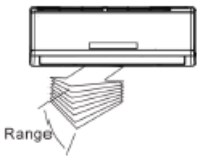
CAUTION

- This switch is used for testing purposes only. Do not use it unless as a last resort.
- To restore the remote controller operation, use the remote control directly.

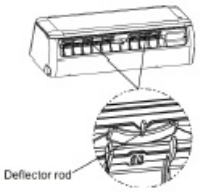
Airflow Direction Control

- Adjust the airflow direction properly, otherwise, it may cause discomfort or uneven room temperatures.
- Adjust the horizontal louver using the remote control. Adjust the vertical louver manually.

Vertical (UP/DOWN) airflow
Perform this function while the unit is in operation. Use the remote control to adjust the airflow direction. The horizontal louver can be moved at a range of 6 for each press, or it can swing up and down automatically.



Horizontal (LEFT/RIGHT) airflow
Move the deflector rod manually to adjust the airflow to the direction that you prefer. Do not put your hands into the panel of the blow and suction side.



CAUTION

- Do not operate the air conditioner for long periods with the airflow direction set downward in cooling or dehumidifying mode, as moisture may form on the horizontal louver, causing condensation to fall onto the floor or furnishings.
- When the air conditioner has started immediately after being stopped, the horizontal louver may not move for up to 10 seconds.
- The open angle of the louver should not be set too small, as the COOLING or HEATING function may be impaired or restricted.

How the Air Conditioner Works

AUTO operation

- When you set the air-conditioner to AUTO mode, it will automatically select cooling, heating, or fan-only operation depending on the set temperature and the room temperature.
- The air-conditioner will control the room temperature automatically to the temperature that you have previously set.
- If you feel uncomfortable in AUTO mode, you can set it to your desired temperature.

SLEEP operation
When you press the SLEEP button on the remote control, the air conditioner will automatically increase (cooling) or decrease (heating) the temperature by l°C per hour for the next 2 hours, then hold steadily for the next 5 hours, after which it will turn off.

DRYING operation
The fan speed will be automatically controlled under dry operation. During the dry operation, if the room temperature is lower than l0C, the compressor will stop operation and will restart once the room temperature is back up above 12C.

Optimal operation
To achieve optimal performance, please note the following:

- Adjust the airflow so it is not blowing directly at people.
- Adjust the temperature to achieve the highest comfort level. Do not adjust the unit to excessive temperature levels.
- Close doors and windows on COOL or HEAT modes, or performance may be reduced.
- Use the TIMER ON button on the remote control to select the time you want to start your air-conditioner.
- Do not put any objects near the air inlet or air outlet, as the efficiency of the air-conditioner may be reduced and the air-conditioner may stop running.
- Clean the air filter periodically, otherwise cooling or heating performance may be reduced.
- Do not operate the unit with the horizontal louver in the closed position.

Care and Maintenance

Before maintenance

- Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

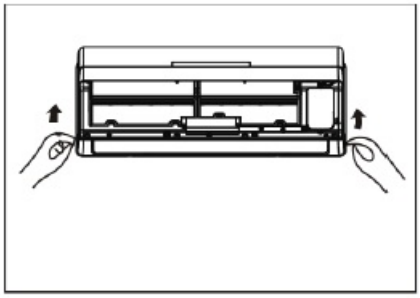
- **NOTE:** the power supply must be disconnected before cleaning the indoor unit.

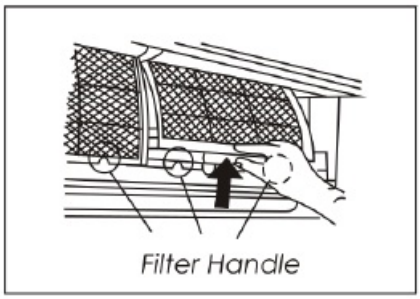
CAUTION

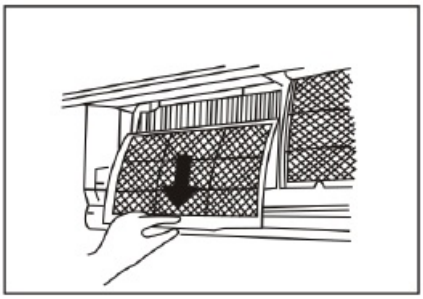
- A cloth dampened with cold water may be used on the indoor unit if it is very dirty. Then wipe it with a dry cloth.
- Do not use a chemically treated cloth or duster to clean the unit.
- Do not use benzine, thinner, polisher or similar solvents. These may cause the plastic to discolor, crack or deform.
- Never use water hotter than 40°C to clean the front panel.

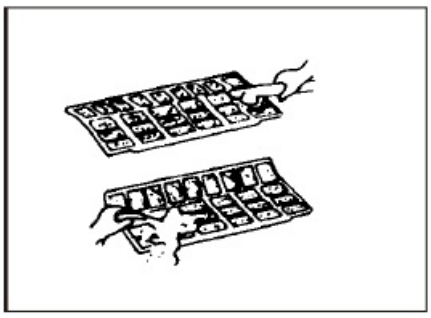
Cleaning the Air Filter
A clogged air filter reduces the cooling efficiency of the unit. Please clean the filter once every 2 weeks.

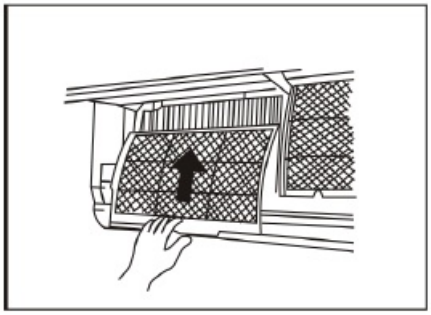
1. Lift the indoor unit panel up until it stops with a click sound.
2. Take hold of the handle of the air filter and lift it up slightly to take it out of the filter holder, then pull it downwards.
3. Remote the AIR FILTER from the unit, then clean it with a vacuum and some cold water, then allow it to fully dry in a cool place.
4. Insert the upper portion of the air filter back into the unit, taking care that the left and right edges line up correctly, then place the filter back into position.











Preparing for extended non-operation
If you plan on not using the air-conditioner for a long time, perform the following procedure:

1. Clean the indoor unit and filters.
2. Operate the fan for about half a day to ensure that the inside of the unit is completely dry.
3. Stop the air-conditioner, then disconnect the power.
4. Remove the batteries from the remote control.

Pre-season Inspection

- Check that the wiring has not become broken, cracked or disconnected.
- Clean the indoor unit and filters.
- Check that the air filter is still installed properly.
- Check that the air outlet and air inlets are all still unblocked.

Troubleshooting

Normal functions

Protection of the Air-conditioner Compressor protection

- The compressor cannot restart again for 3-4 minutes after it has stopped.

Defrosting function

- Frost may have been generated on the outdoor unit during the heat cycle when outdoor temperatures are low and humidity is high, resulting in lower heating efficiency of the air-conditioner.
- During this, the air-conditioner may stop the heating operation and start defrosting automatically.
- The time to defrost may last from 4 to 10 minutes, depending on the outdoor temperature and the amount of frost built up.

White mist coming from the indoor unit

- A white mist may be generated due to large temperature differences between the air inlet and the air outlet on COOL mode in an indoor environment with a high relative humidity.
- A white mist may be generated from the defrosting process when the air conditioner restarts in HEAT mode operation after defrosting.

Low noise of the air-conditioner

- You may hear a low hissing sound when the compressor is running or has just stopped running. It is the sound of the refrigerant flowing or coming to a stop.
- You may also hear a low “squeak” sound when the compressor is running or has just stopped running. This is caused by heat expansion and cold contraction of the plastic parts of the unit while the temperature is changing.
- A noise may be heard due to the louver restoring to its original position when power is turned on.

Dust blowing out of the indoor unit

- This is normal when the unit has not been used for a long time, and also upon first use of the unit.

The peculiar smell coming from the unit

- This is most likely caused by the indoor unit blowing out smells from the furniture or smoke.

The air-conditioner turns to FAN only mode from COOL or HEAT mode
When the indoor temperature has reached the temperature set on the air conditioner, the compressor will stop automatically and the air-conditioner will turn to FAN-only mode. The compressor will start again when the indoor temperature either rises or falls above or below the set point.

The air-conditioner runs an anti-mildew function after turning off the unit
When turning the unit off under COOL or DRY mode, the air-conditioner will run the anti-mildew function for 7-10 minutes. If turned off under HEAT mode, the unit will continue operating for about 30 seconds.

Troubleshooting Guide

Trouble	OPERATION(RUN) indicator or other indicators continue flashing.	The unit may stop operation or continue to run in a safety mode. Wait for about 10 minutes and the fault may be corrected automatically. If not, disconnect the power for 5 minutes, then connect and try again. If the problem still exists, disconnect the power and contact the Kogan customer support team.
	One of the following error codes displays: E0, E1, E2, E3....,P0, P1, P2, P3,... or F0, F1, F2, F3....	
	Fuse blows frequently or circuit breaker trips frequently.	Stop the air-conditioner immediately, disconnect the power and contact the Kogan customer support team.
	Other objects or water fall into unit.	
	Terrible odours or abnormal sounds are experienced.	

Malfunctions	Cause	Solution
Unit does not start	Power cut	Wait for power to be restored.
	Fuse may have blown	Check/replace fuse
	Unit may have become unplugged	Check that plug is securely in wall receptacle
	Battery in remote control may be flat	Replace the battery
	The time that you have set with the timer is incorrect	Wait or cancel timer settings
Unit not cooling/heating room well while air is flowing out of the air-conditioner	Inappropriate temperature setting	Set the temperature correctly
	Air filter is blocked	Clean air filter
	Doors or windows open	Close doors or windows
	Air inlet or outlet of indoor or outdoor unit is blocked	Clear obstructions away first, then restart the unit
	Compressor 3 minutes protection has been activated	Wait
If the trouble has not been corrected by this troubleshooting guide, contact the Kogan customer support team. Do not attempt to repair the unit yourself.		

Documents / Resources

	**kogan KHACSPLT35A Reverse Cycle Split System Inverter Air Conditioner** [pdf] User Guide KHACSPLT35A Reverse Cycle Split System Inverter Air Conditioner, KHACSPLT35A, Reverse Cycle Split System Inverter Air Conditioner, Cycle Split System Inverter Air Conditioner, Split System Inverter Air Conditioner, System Inverter Air Conditioner, Inverter Air Conditioner, Air Conditioner

References

- MH **Search - Manual-Hub.com**