

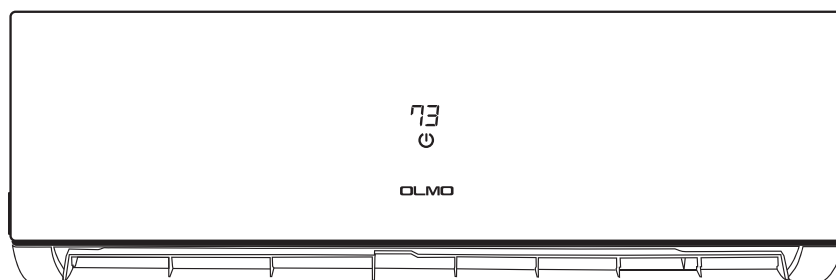
OLMO

MULTI-ZONE

Multi SIERRA SERIES

WALL MOUNTED MINI SPLIT AIR CONDITIONING SYSTEM

Installation Manual



Models:

OS-M09SRW-230VI

OS-M12SRW-230VI

OS-M18SRW-230VI

IMPORTANT NOTE:

Thank you for purchasing our air conditioning system. Please read this manual carefully before operating your new air conditioning units. Make sure to save this manual for future reference.

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For indoor unit only, please refer to the outdoor unit's USE AND INSTALLTION INSTRUCTIONS for the outdoor unit.

Remote controller operating instructions. See "remote controller instructions".

Safety Instructions

- 1. To guarantee the unit work normally, please read the manual carefully before installation, and try to install strictly according to this manual.
- 2. Do not let air enter the refrigeration system or discharge refrigerant when moving the air conditioner.
- 3. Properly ground the air conditioner into the earth.
- 4. Check the connecting cables and pipes carefully, make sure they are correct and firm before connecting the power of the air conditioner.
- 5. There must be an air-break switch.
- 6. After installing, the consumer must operate the air conditioner correctly according to this manual, keep a suitable storage for maintenance and moving of the air conditioner in the future.
- 7. The Fuse of the unit:

Model	Fuse of Indoor unit	Fuse of outdoor unit
9K(115V)	T 3.15A or T 5A 250V	T 25A 250V
12K(115V)	T 3.15A or T 5A 250V	T 25A 250V
9K-12K(208/230V)	T 3.15A or T 5A 250V	T 15A 250V
18K(208/230V)	T 3.15A or T 5A 250V	T 20A 250V
24K-36K(208/230V)	T 3.15A or T 5A 250V	T 30A 250V

- 8. A residual current device(RCD)with the rating of above 10mA shall be incorporated in the fixed wiring according to the national rule.
- 9. Warning: Risk of electric shock can cause injury or death: Disconnect all remote electric power supplies before servicing .
- 10. The best length of the connecting pipe between the indoor unit and outdoor unit is less than 24.6ft. It will affect the efficiency of the air conditioner if the distance longer than that length.
- 11. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- 12. 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.
- 13. The batteries in remote controller must be recycled or disposed of properly. Disposal of Scrap Batteries --- Please discard the batteries as sorted municipal waste at the accessible collection point.

Safety Instructions

- 14. If the appliance is fixed wiring, the appliance must be fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III conditions, and these means must be incorporated in the fixed wiring in accordance with the wiring rules.
- 15. 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.
- 16. The appliance shall be installed in accordance with local electrical safety regulations and National Electrical Codes(NEC).
- 17. The air conditioner must be installed by professional or qualified persons.
- 18. The appliance shall not be installed in the laundry.
- 19. Regarding to installation, please refer to section “Installation instructions”.
- 20. Regarding to maintenance, please refer to section “Care and Maintenance”.

Preparation before Use

Note



- When charging refrigerant into the system, make sure to charge in liquid state, if the refrigerant of the appliance is R410A. Otherwise, chemical composition of refrigerant (R410A) inside the system may change and thus affect performance of the air conditioner.
- According to the character of refrigerant (R410A, the value of GWP is 2088), the pressure of the tube is very high, so be sure to be careful when you install and repair the appliance.
- 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.
- The air conditioner must be installed by trained, qualified installers and service mechanics.
- The temperature of refrigerant circuit will be high, please keep the interconnection cable away from the copper tube.

Preset

Before using the air conditioner, be sure to check and preset the following.

• **Remote Control Presetting**

Each time after the remote control is replaced with new batteries or is energized, remote control auto presetting heat pump. If the air conditioner you purchased is a Cooling Only one, heat pump remote controller can also be used.

• **Back-light Function of Remote Control(optional)**

Hold down any button on remote control to activate the back light. It automatically shuts off 10 seconds later.

Note: Back-light is an optional function.

• **Auto Restart Presetting**

The air conditioner has an Auto-Restart function.

Safeguarding the environment

This appliance is made of recyclable or re-usable material. Scrapping must be carried out in compliance with local waste disposal regulations. Before scrapping it, make sure to cut off the mains cord so that the appliance cannot be re-used.

For more detailed information on handling and recycling this product, contact your local authorities who deal with the separate collection of rubbish or the shop where you bought the appliance.

SCRAPPING OF APPLIANCE

This marking indicates that this product should not be disposed with other household wastes throughout the North America. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.








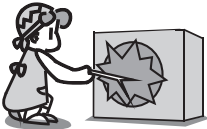

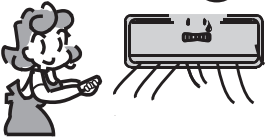



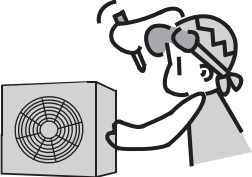

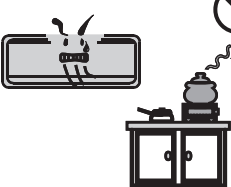

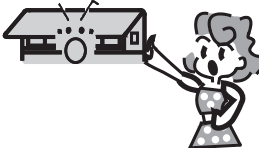



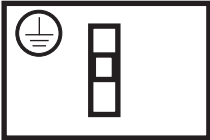



Safety Precautions

Symbols in this Use and Care Manual are interpreted as shown below.

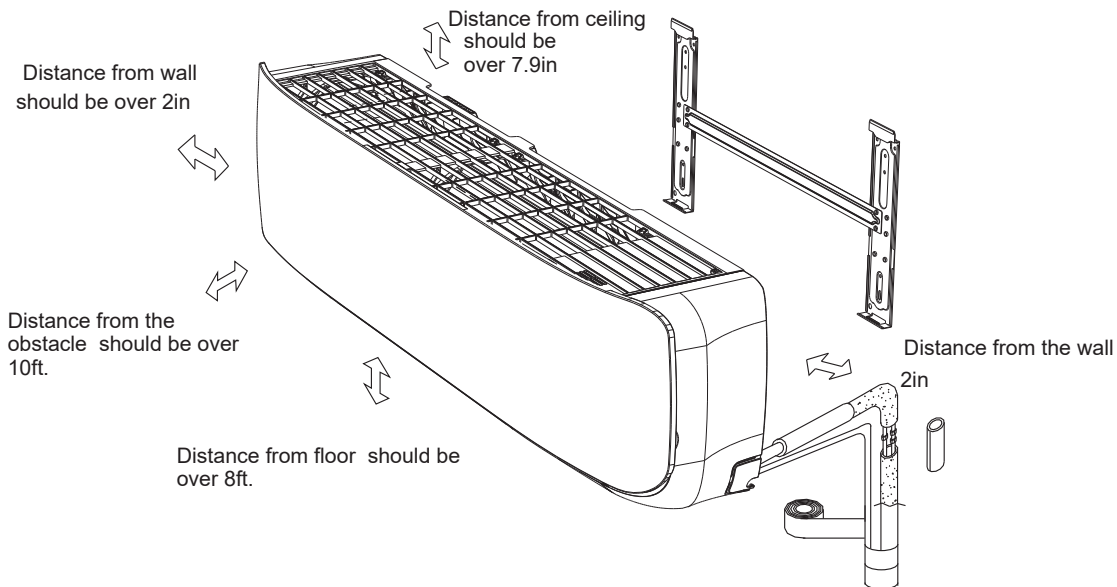
⊘ Be sure not to do. ⚠ Grounding is essential.

✔ Pay attention to such a situation. ⚠ Warning: Incorrect handling could cause a serious hazard, such as death, serious injury, etc.

 <p>Use correct power supply in accordance with the rating plate requirement. Otherwise, serious faults or hazard may occur or a fire may break out.</p>	  <p>Keep the power supply circuit breaker or plug from dirt. Connect the power supply cord to it firmly and correctly, lest an electric shock or a fire break out due to insufficient contact.</p>	  <p>Do not use the power supply circuit breaker or pull off the plug to turn it off during operation. This may cause a fire due to spark, etc.</p>
  <p>Do not knot, pull or press the power supply cord, lest the power supply cord be broken. An electric shock or fire is probably caused by a broken power supply cord.</p>	  <p>Never insert a stick or similar obstacle to the unit. Since the fan rotates at high speed, this may cause an injury.</p>	  <p>It is harmful to your health if the cool air reaches you for a long time. It is advisable to let the air flow be deflected to all the room.</p>
  <p>Turn off the appliance by remote control firstly before cutting off power supply if malfunction occurs.</p>	  <p>Do not repair the appliance by yourself. If this is done incorrectly, it may cause an electric shock, etc.</p>	  <p>Prevent the air flow from reaching the gas burners and stove.</p>
  <p>Do not touch the operation buttons when your hands are wet.</p>	  <p>Do not put any objects on the outdoor unit.</p>	  <p>It is the user's responsibility to make the appliance be grounded according to local codes or ordinances by a licenced technician.</p>

Installation Instructions

Installation diagram



Indoor unit A

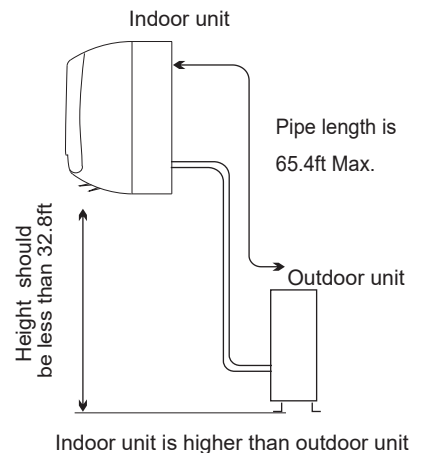


- Above figure is only a simple presentation of the unit, it may not match the external appearance of the unit you purchased.
- Installation must be performed in accordance with the national wiring standards by authorized personnel only.

Site Instructions

Site for Installing Indoor Unit

1. Where there is no obstacle near the air outlet and air can be easily blown to every corner.
 2. Where piping and wall hole can be easily arranged.
 3. Keep the required space from the unit to the ceiling and wall according to the installation diagram on previous page.
 4. Where the air filter can be easily removed.
 5. Keep the unit and remote controller 3.28ft or more apart from television, radio etc.
 6. Keep as far as possible from fluorescent lamps.
 7. Do not put anything near the air inlet to obstruct it from air absorption.
 8. Install on a wall that is strong enough to bear the weight of the unit.
 9. Install in a place that will not increase operation noise and vibration.
 10. Keep away from direct sunlight and heating sources
- Do not place flammable materials or combustion apparatuses on top of the unit.



Installation of outdoor unit refers to the outdoor unit installation manual.

Installation Instructions

Suggested Tools

In order to install your air-conditioner more conveniently and safely, you might use those special tools listed below.



Standard Wrench



Screw Driver



Hex Keys or Allen Wrenches



Adjustable/Crescent Wrench



Torque wrench



Drill & Drill Bits



Manifold and Gauges



Vacuum Pump



Clamp on Amp Meter



Level

Work Gloves

Safety Glasses

Pipe Cutter

Refrigerant Scale

R410A Flaring Tool

Micron Gauge

Hole Saw



Installation Instructions

Indoor unit installation

1. Installing the Mounting Plate

FOR the Ordinary Mounting Plate

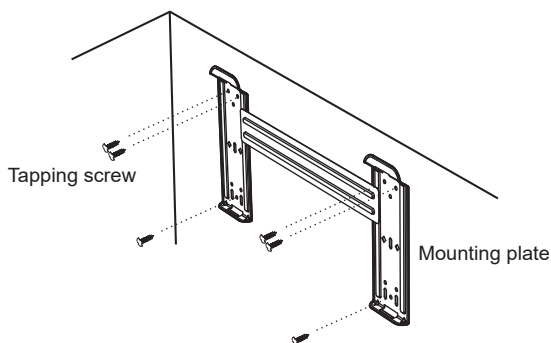
- Decide an installing location for the mounting plate according to the indoor unit location and piping direction.

Note: it is recommended to install screw anchors for sheet rock, concrete block, brick and such type of wall.

- Keep the mounting plate horizontal with a horizontal level or dropping line.
- Mark the center of the indoor unit on mounting plate for future reference.

Note: the center of the mounting bracket may be not the center of the indoor unit.

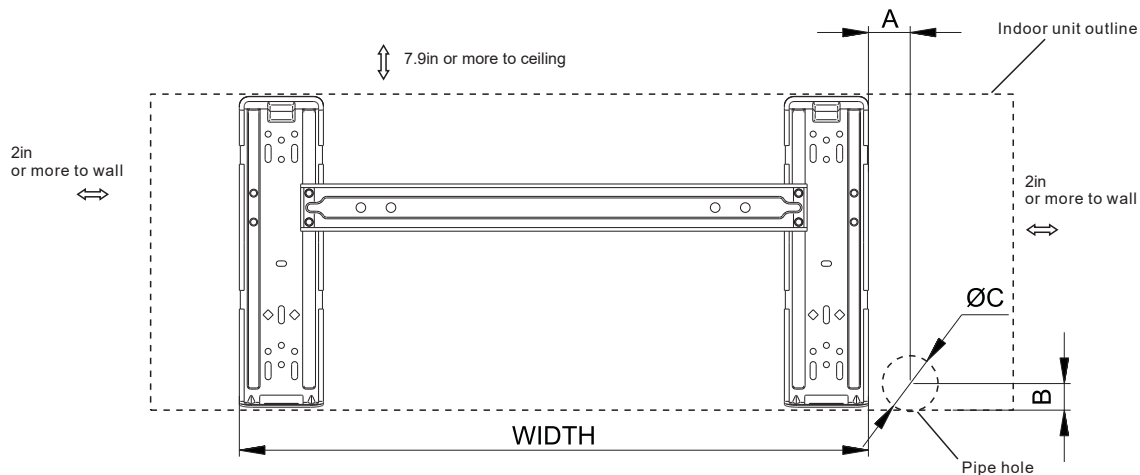
- Tapping mounting plate to the wall with a minimum of five screws, evenly spaced to properly support indoor unit weight.



Note: The shape of your mounting plate may be different from the one above, but the installation method is similar.

Note: As the above figure shown, the six holes matched with tapping screw on the mounting plate must be used to fix the mounting plate, the others are prepared.

MOUNTING BRACKET DIAGRAMS AND DIMENSIONS (Recommended)

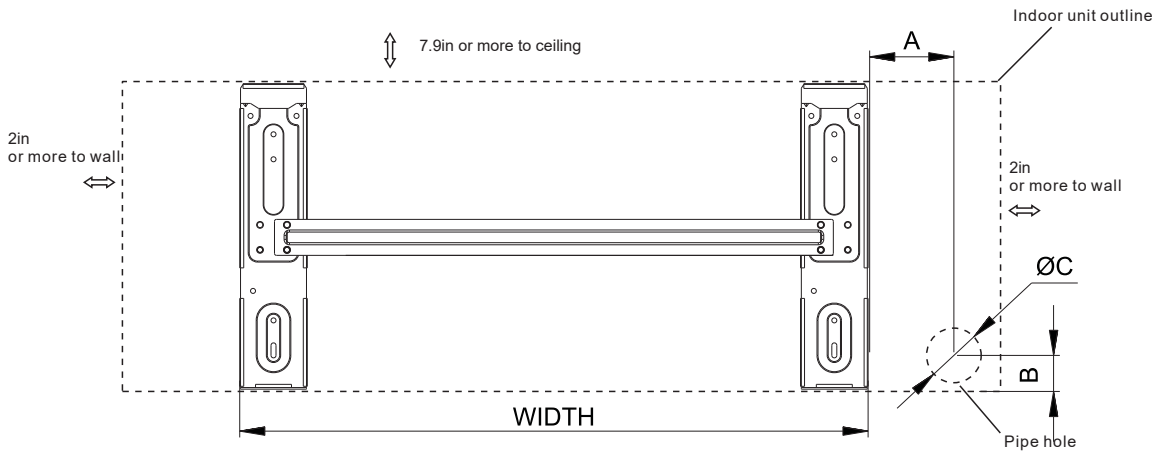


For 738 Series Model, WIDTH: 20.6in
For 808 Series Model, WIDTH: 23.3in

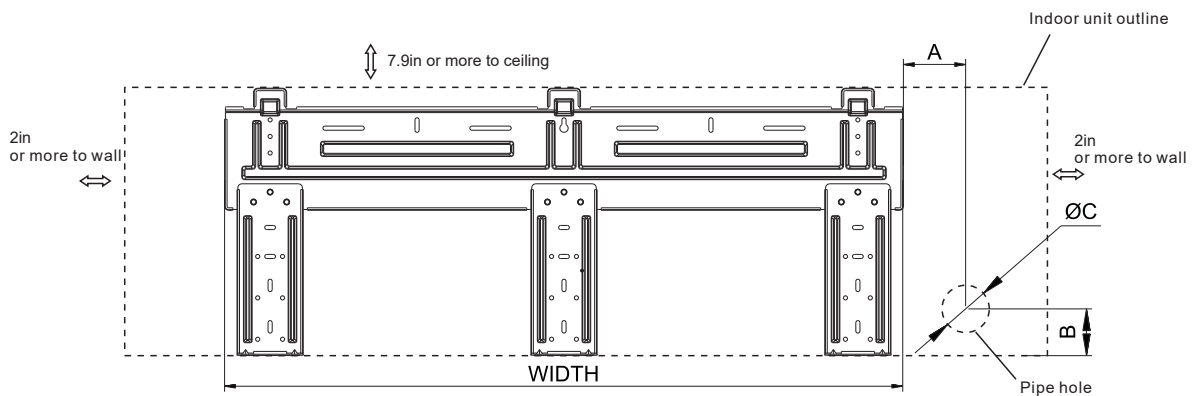
Installation Instructions

FOR the Ordinary Mounting Plate

MOUNTING BRACKET DIAGRAMS AND DIMENSIONS (Recommended)



For 908/1080 Series Model, WIDTH: 24.8in



For 1280 Series Model, WIDTH: 32.3in

Installation Instructions

Indoor unit installation

FOR the Wooden Wall Mounting Plate

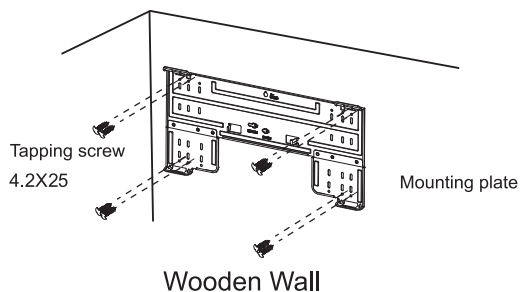
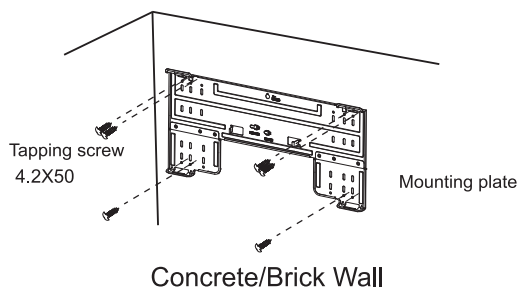
- Decide an installing location for the mounting plate according to the indoor unit location and piping direction.

Note: it is recommended to install screw anchors for sheet rock, concrete block, brick and such type of wall.

- Keep the mounting plate horizontal with a horizontal level or dropping line.
- Mark the center of the indoor unit on mounting plate for future reference.

Note: the center of the mounting bracket may be not the center of the indoor unit.

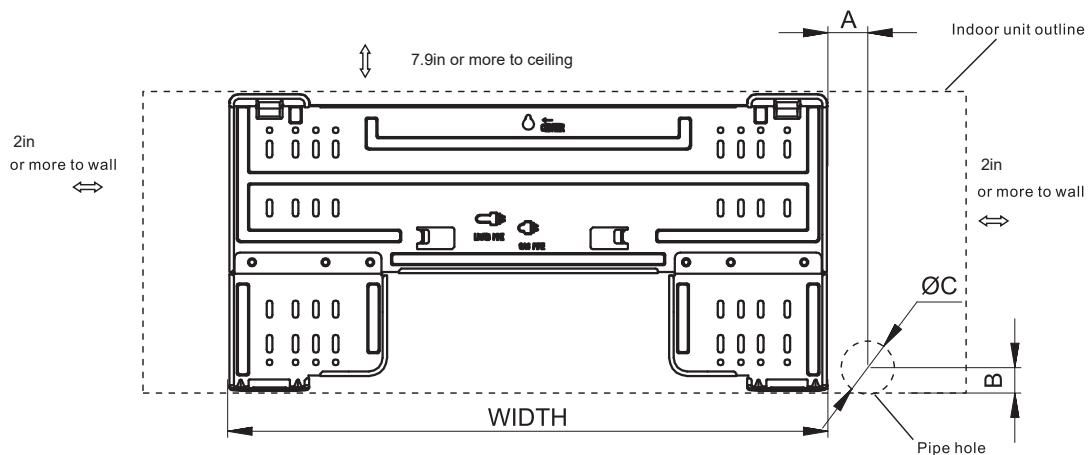
- Tapping mounting plate to the wall with a minimum of five screws, evenly spaced to properly support indoor unit weight.



Note: The shape of your mounting plate may be different from the one above, but the installation method is similar.

Note: As the above figure shown, the six holes matched with tapping screw on the mounting plate must be used to fix the mounting plate, the others are prepared.

MOUNTING BRACKET DIAGRAMS AND DIMENSIONS (Recommended)

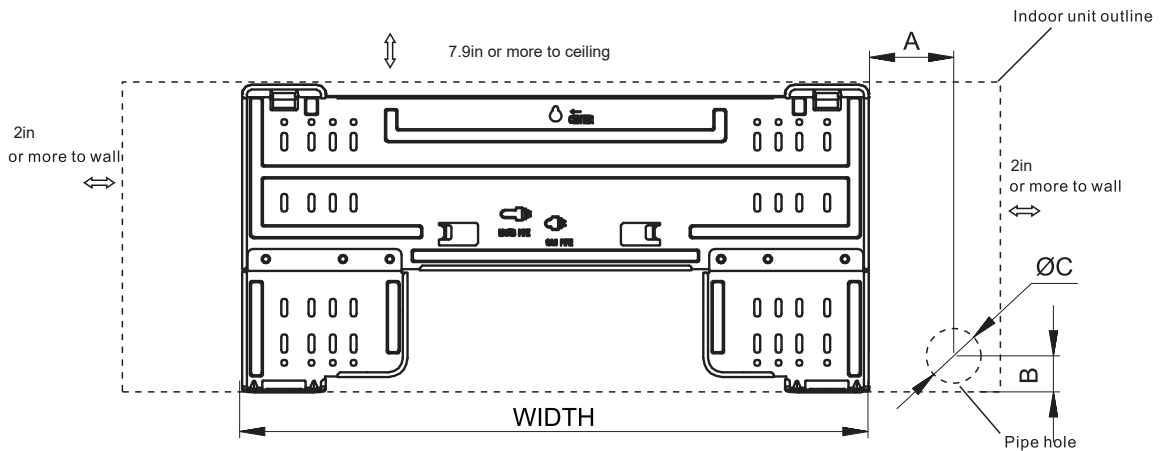


For 738 Series Model, WIDTH: 20.6in
For 808 Series Model, WIDTH: 23.3in

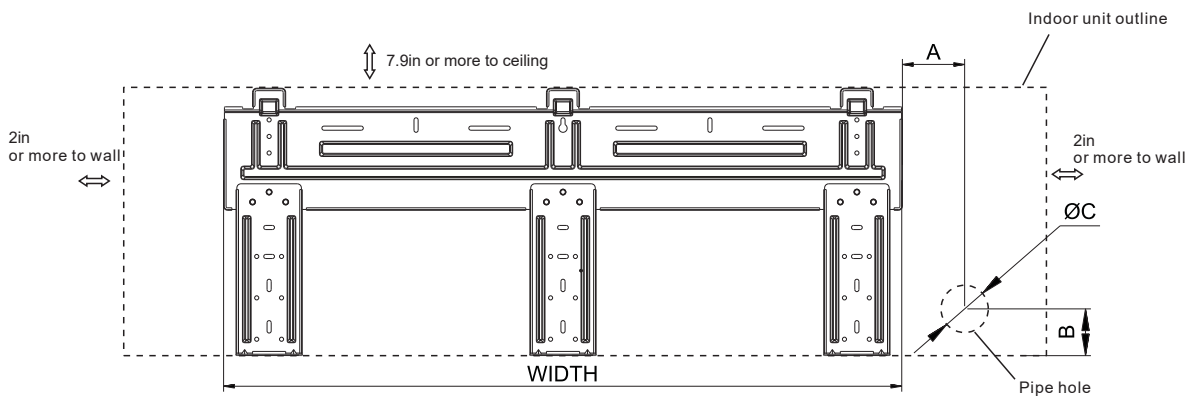
Installation Instructions

FOR the Wooden Wall Mounting Plate

MOUNTING BRACKET DIAGRAMS AND DIMENSIONS (Recommended)



For 908/1080 Series Model, WIDTH: 24.8in



For 1280 Series Model, WIDTH: 32.3in

Installation Instructions

Indoor unit installation

2. Drill a Hole in wall for interconnecting Piping, Drain & Wiring

- Decide the position of the hole for piping according to the location of mounting plate.
- Drill a hole in the wall. The hole should tilt a little downward toward outside.
- Install a sleeve through the wall hole to keep the wall tidy and clean.

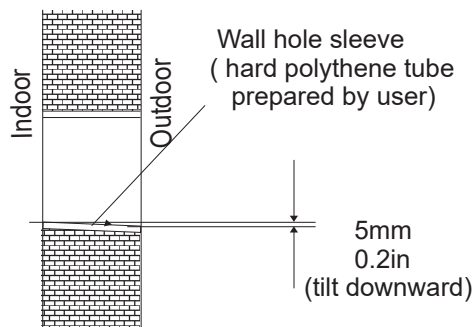
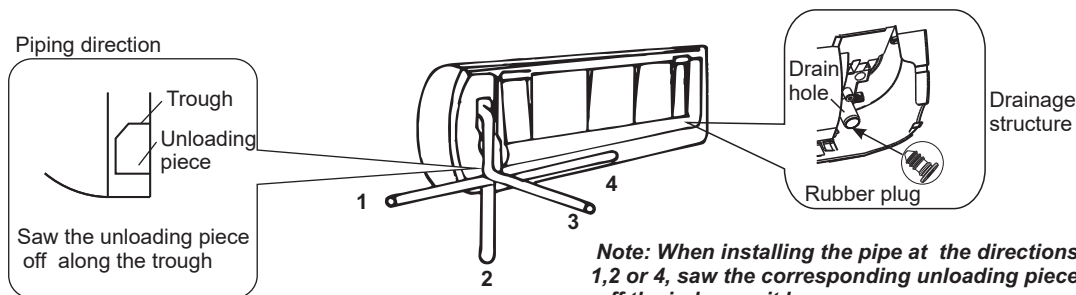


Table of Wall Hole Mounting size per Unit Size

Unit Model	Size A	Size B	Size C
	in	in	in
738 Series	2.68	1.3	2.7
808 Series	2.75	1.38	2.7
908 Series	5.4	1.57	2.7
1080 Series	6.7	1.57	2.7
1280 Series	2.52	1.62	2.7

3. Piping and Drain Hose Connections to Indoor Unit

- Put the piping (liquid and gas pipe) and cables through the wall hole from outside or put them through from inside after indoor piping and cables connection is complete to connect to the outdoor unit.
- Decide whether to saw the unloading piece off in accordance with the piping direction.(as shown below)



- After connecting the piping, install the drain hose. Then connect the power cords. After connecting, wrap the piping, cords and drain hose together with thermal insulation materials.

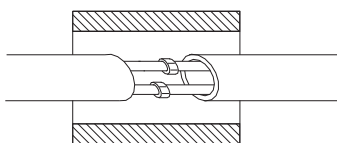
Note: Both sides drainage structure is standard. For both sides drainage structure, it can be chosen for right, left or both sides drainage connection. If choosing both sides drainage connection, another proper drain hose is needed as there is only one drain hose offered by factory. If choosing one side drainage connection, make sure the drain hole on the other side is well plugged.

Installation Instructions

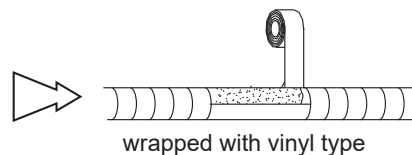
Indoor unit installation

• Piping Joints Thermal Insulation:

Wrap the piping joints with thermal insulation materials and then wrap with a vinyl tape.



Thermal insulation



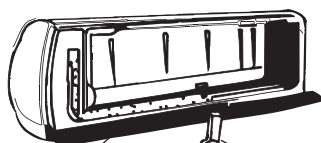
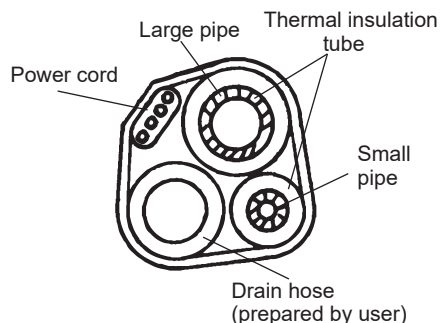
wrapped with vinyl type

• Piping Thermal Insulation:

- Place the drain hose under the piping.
- Insulation material uses polythene foam over 6mm in thickness.

Note: Drain hose is prepared by user.

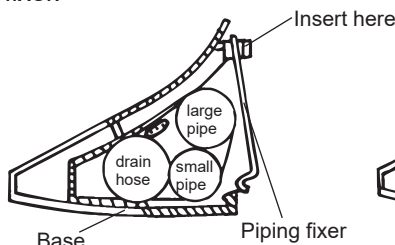
- Do not arrange the drain pipe in a way that leaves it twisted, sticking out or waving around. Do not immerse the end of it in water.
- If an extension drain hose is connected to the drain pipe, make sure to insulated when passing along the indoor unit.
- When the piping is directed to the right, piping, power Cord and drain pipe should be thermal insulated and fixed onto the back of the unit with a piping fixer.



Base

Piping fixer

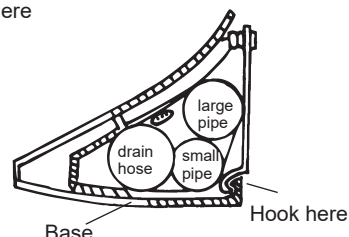
A. Insert the pipe fixer to the slot.



Base

Piping fixer

B. Press to hook the pipe fixer onto the base.



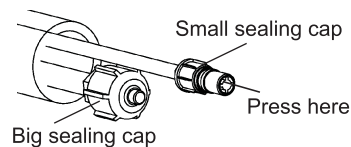
Base

Hook here

Piping Connection:

- Before unscrewing the big and the small sealing caps, press the small sealing cap with the finger until the exhaust noise stops, and then loosen the finger.
- Connect indoor unit pipes with two wrenches. Pay special attention to the allowed torque as shown below to prevent the pipes, connectors and flare nuts from being deformed and damaged.
- Pre-tighten them with fingers at first, then use the wrenches.

☑ If you don't hear the exhaust noise, please contact with the merchant.



Small sealing cap

Press here

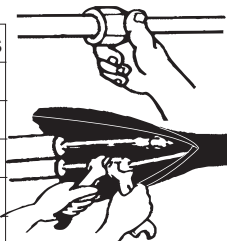
Big sealing cap



Model	Pipe size	Torque	Nut width	Min.thickness
9K-18K	Liquid Side (ϕ 6 or 1/4)	15~20N·m or 11~15ft-lbs	17 or 5/8	0.5 or 0.02
24K-36K	Liquid Side (ϕ 9.53 or 3/8)	30~35N·m or 22~26ft-lbs	22 or 7/8	0.6 or 0.024
9K-12K	Gas Side (ϕ 9.53 or 3/8)	30~35N·m or 22~26ft-lbs	22 or 7/8	0.6 or 0.024
18K	Gas Side (ϕ 12 or 1/2)	50~55N·m or 37~41ft-lbs	24 or 0.94	0.6 or 0.024
24K-36K	Gas Side (ϕ 16 or 5/8)	60~65N·m or 44~48ft-lbs	27 or 1.1	0.6 or 0.024
36K	Gas Side (ϕ 19 or 3/4)	70~75N·m or 52~55ft-lbs	32 or 1.26	1.0 or 0.039




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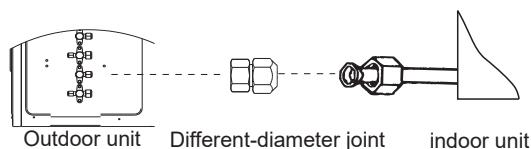
Dimensions are in "mm or inch" unless otherwise stated in the table.



Installation Instructions

☑ If the diameter of connection pipe does not match the port size of outdoor unit, select proper different-diameter joints in the accessory according to the following table.

Name	Quantity	Purpose
	1	Change pipe diameter from 1/4 to 3/8
	1	Change pipe diameter from 3/8 to 5/8
	1	Change pipe diameter from 3/8 to 1/2



Connect pipes using different-diameter joint

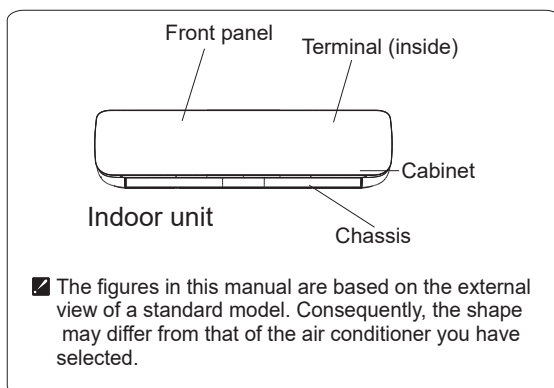
Power and Wiring

Connecting of the Cable

• Indoor Unit

Connect the power cord to the indoor unit by connecting the wires to the terminals on the control board individually in accordance with the outdoor unit connection.

Note: For some models, it is necessary to remove the cabinet to connect to the indoor unit terminal.



Caution:

1. Never fail to have an individual power circuit specifically for the air conditioner. As for the method of wiring, refer to the circuit diagram posted on the inside of the access door .
2. Confirm that the cable thickness is as specified in the power source specification.
3. Check the wires and make sure that they are all tightly fastened after cable connection.
4. Be sure to install an earth leakage circuit breaker in wet or moist areas.

Cable Specifications

capacity(Btuh)	Power cord		Power connecting cord	
	Type	Normal cross-sectional areas	Type	Normal cross-sectional areas
9K-12K(208/230V)	SJ TW	3X16 AWG	SJ TW	4X18 AWG
18K(208/230V)	SJ TW	3X14 AWG	SJ TW	4X18 AWG
24K-36K(208/230V)	SJ TW	3X12 AWG	SJ TW	4X18 AWG
9K,12K(115V)	SJ TW	3X14 AWG	SJ TW	4X18 AWG

Attention:

The plug must be accessible even after the installation of the appliance in case there is a need to disconnect it. If not possible, connect appliance to a double-pole switching device with contact separation of at least 3 mm placed in an accessible position even after installation.

Installation Instructions

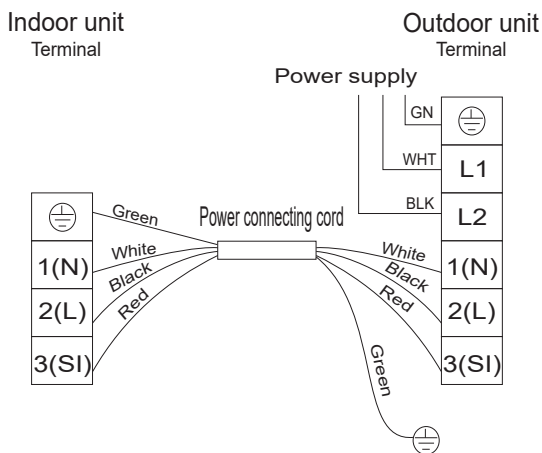
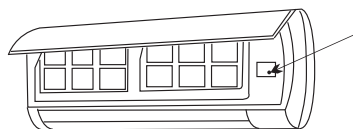
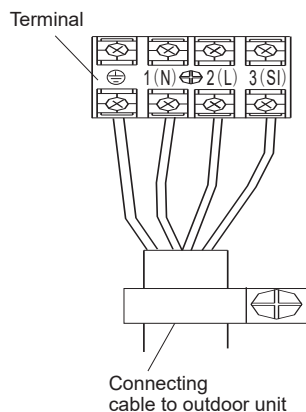
Wiring diagram

Make sure that the color of the wires in the outdoor unit and terminal No. are the same as those of the indoor unit.

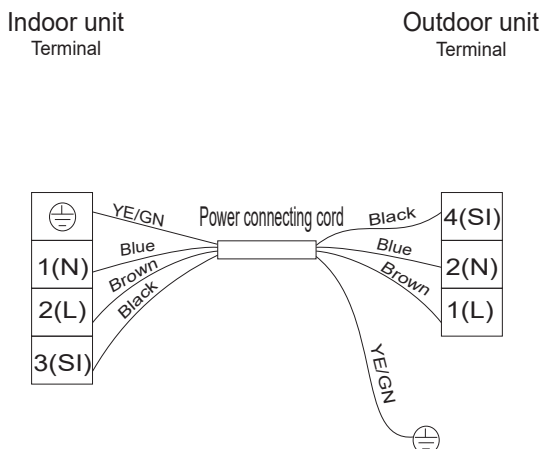
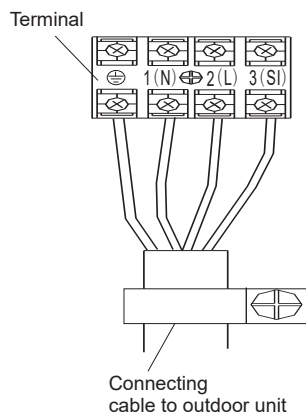
Warning: Before obtaining access to terminals, all supply circuits must be disconnected.

(1) 208/230V

For the mono split



For the multi interver



☑ The diagram is reference only, and the actual terminal shall prevail.

Installation Instructions

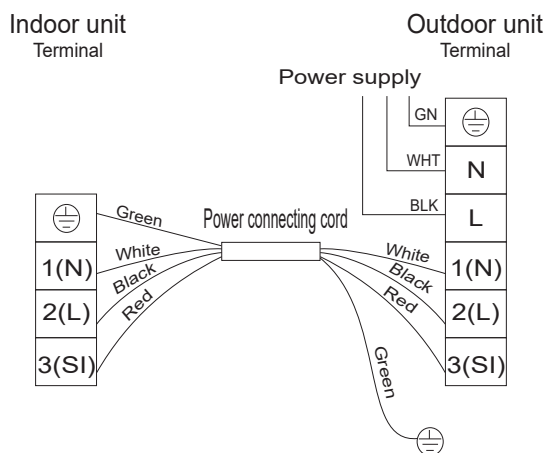
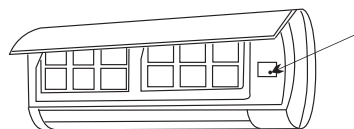
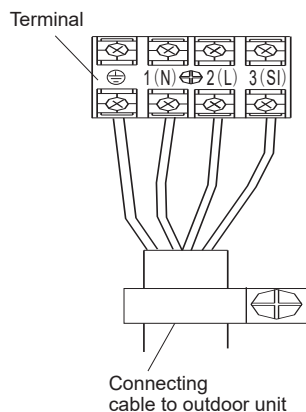
Wiring diagram

Make sure that the color of the wires in the outdoor unit and terminal No. are the same as those of the indoor unit.

Warning: Before obtaining access to terminals, all supply circuits must be disconnected.

(2) 115V

For the mono split



For the multi interver

(Currently unavailable.)

☑ The diagram is reference only, and the actual terminal shall prevail.

Installation Instructions

Start-up

Test Operation

Perform test operation after completing gas leak and electrical safety check.

1. Turn on electrical disconnect to outdoor unit.
2. Push the "ON/OFF" button on Remote Controller to begin testing.
3. Push MODE button, select COOLING, HEATING, FAN mode to confirm all functions.

System Checks

1. Conceal refrigerant pipes where possible.
2. Make sure drain hose slopes downward along entire length.
3. Ensure all refrigerant pipes and connections are properly insulated.
4. Fasten pipes to outside wall, when possible.
5. Seal and weatherproof wall hole which the interconnecting wires and refrigerant pipes pass through.

Indoor Unit

1. Do all Remote controller's buttons function properly?
2. Do the display panel lights work properly?
3. Does the swing louver function properly?
4. Does the drain work?

Outdoor Unit

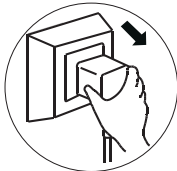
1. Push the mode button to COOL and adjust the room setting to 61 °F(16°C) deg. wait up to 3 minutes from compressor time guard. Does compressor and outdoor fan turn on in cooling mode?
2. Push the mode button to HEAT and adjust the room setting to 85 °F(30°C) deg. wait up to 3 minutes for compressor time guard. Does compressor and outdoor fan turn on in heat mode?

Care and Maintenance

Front panel maintenance

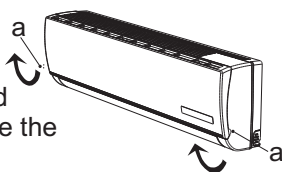
1

1. Turn off the air conditioner first.
2. Cut off the power supply by moving the the power plug.



2

Grasp position "a" and pull outward to remove the front panel.



3

Wipe with a soft and dry cloth.

Use soft moisture cloth to clean if the front panel is very dirty.



Use a dry and soft cloth to clean it.

4

Never use volatile substance such as gasoline or polishing powder to clean the appliance.



5

Never sprinkle water onto the indoor unit

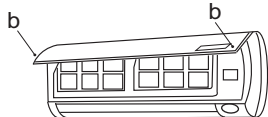


Dangerous!
Electric shock!

6

Reinstall and shut the front panel.

Reinstall and shut the front panel by pressing position "b" downward.



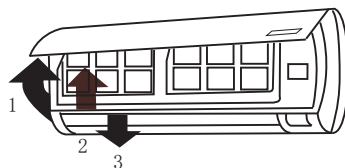
Air filter maintenance

It is necessary to clean the air filter after using it for about 200 hours.

Clean it as follows:

1

Stop the appliance and remove the air filter.



1. Open the front panel.
2. Press the handle of the filter gently from the front.
3. Grasp the handle and slide out the filter.

2

Clean and reinstall the air filter.

If the dirt is conspicuous, wash it with a solution of detergent in lukewarm water. After cleaning, dry well in shade.



3

Close the front panel again.

- ☑ *Clean the air filter every two weeks if the air conditioner operates in an extremely dusty environment.*

Protection

◆ Operating condition

Operating temperature

Temperature		Cooling operation	Heating operation	Drying operation
Indoor temperature	max	90°F (32°C)	81°F (27°C)	90°F (32°C)
	min	70°F (21°C)	45°F (7°C)	64°F(18°C)
Outdoor temperature	max	115°F (46°C)	75°F (24°C)	115°F (46°C)
	min	*note	5°F(-15°C)	70°F (21°C)

NOTE:

**Optimum performance will be achieved within these operating temperature. If air conditioner is used outside of the above conditions, the protective device may trip and stop the appliance.*

**For Tropical (T3) Climate condition models, the outdoor max temperature is 131°F (55 °C) instead of 115°F(46 °C).*

**For some models, can keep cooling at 5°F(-15 °C) outdoor ambient via unique design. Normally, optimum cooling performance will be achieved above 70°F(21 °C). Please consult the merchant to get more information.*

**For some models, can keep heating at 5°F(-15 °C) outdoor ambient , some models heat at -4°F(-20 °C) outdoor ambient , even heat at lower outdoor ambient*

The temperature of some products is allowed beyond the range. In specific situation, please consult the merchant. When relative humidity is above 80%, if the air conditioner runs in COOLING or DRY mode with door or window opened for a long time, dew may drip down from the outlet.

◆ Noise pollution

- Install the air conditioner at a place that can bear its weight in order to operate more quietly.
- Install the outdoor unit at a place where the air discharged and the operation noise would not annoy your neighbors.
- Do not place any obstacles in front of the air outlet of the outdoor unit lest it increases the noise level.

◆ Features of protector

1. The protective device will work at following cases.

- Restarting the unit at once after operation stops or changing mode during operation, you need to wait for 3 minutes.
- Connect to power supply and turn on the unit at once, it may start 20 seconds later.

2. If all operation has stopped, press **ON/OFF** button again to restart, Timer should be set again if it has been canceled.

◆ Features of HEATING mode

Preheat

At the beginning of the HEATING operation, the airflow from the indoor unit is discharged 2-5 minutes later.

Defrost

In **HEATING** operation the appliance will defrost (de-ice) automatically to raise efficiency. This procedure usually lasts 2-10 minutes. During defrosting, fans stop operation. After defrosting completes, it returns to **HEATING** mode automatically.

Note: Heating is NOT available for cooling only air conditioner models.

Energy Saving Tips

1. Relaxing room temperature at night is OK: During the nighttime hours you don't require the same level of conscious cooling or heating. Try using Sleep mode to gradually relax room temperature and allow the unit to run less and save energy.

2. Curtains and shades: In the summer, you need to block the effects of the sun. Close window curtains and shades on the south and west side of your home to help block solar heat. In winter, the sun is your friend. Open curtains and shades to allow solar heat into your room.

3. Close doors: If you don't need to heat and cool your whole home, confine the heating and cooling to one room by closing doors. Limit the space you're heating and cooling to specified capability of the unit.

4. Service the unit: Some basic maintenance might be all you need. The outdoor unit will greatly benefit from a good hosing out, especially in treed areas where seeds and other debris can stick to coil fins and make the unit work harder!

5. Rearrange the room: Furniture that obstructs airflow means you could be heating and cooling the back of a chair or the front of a sofa instead of the actual living space. Use the swing louvers to help direct the air in the right direction for the room; remove or rearrange obstacles blocking airflow.

6. Try 75 degrees: 75°F(24°C) is a good point for an air conditioner to run at its optimal performance level. Even a 1-degree change in temperature can make your unit use more energy!

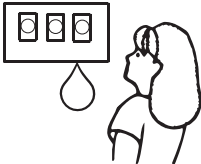
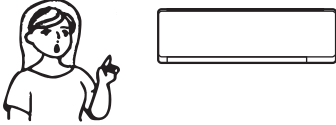
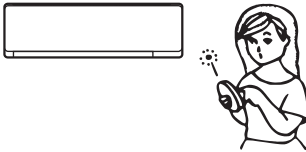

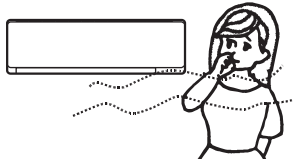
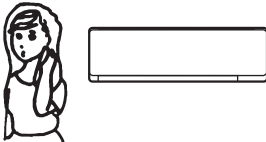
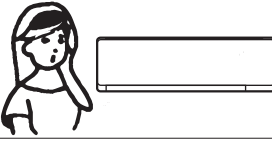
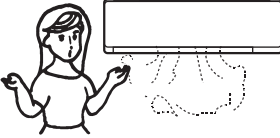
7. Lighting: Turning lights off can help reduce your heat. Each light bulb is a tiny heater. Your air conditioner must waste energy overcoming the heat from your lights to reach and hold your desired room temperature.

8. Is anyone home? If possible, while you're away turn your unit to Auto mode and make sure windows and drapes are closed. Although the room temperature will be uncomfortable for a few minutes when you come home, the unit will have the room back to your desired temperature in no time.

9. Don't forget the fan: The fan is much like a car. The faster it runs, the more energy is consumed. Sometimes we need the car to go fast, but slow is good enough most of the time. Try saving money by using the comfortable quiet low fan speed as much as possible.

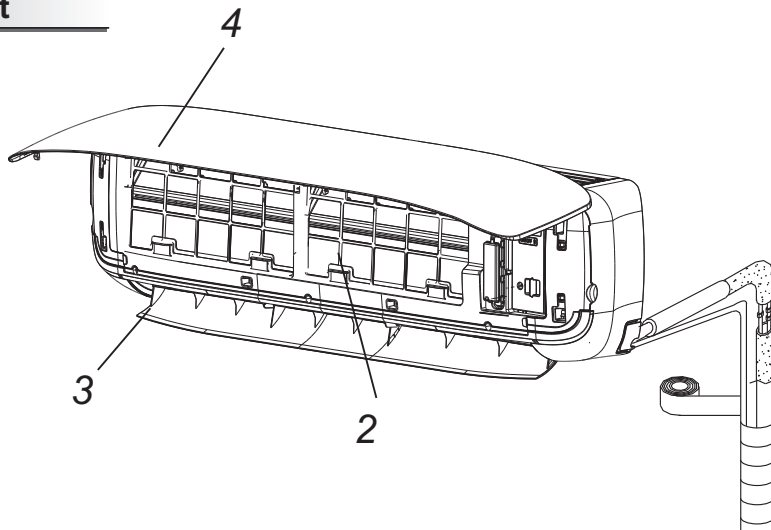
Troubleshooting

The following cases may not always be a malfunction, please check it before asking for service.

Trouble	Analysis																											
Does not run 	<ul style="list-style-type: none">• If the protector trip or fuse is blown.• Please wait for 3 minutes and start again, protector device may be preventing unit to work.• If batteries in the remote controller exhausted.• If the plug is not properly plugged.																											
No cooling or heating air 	<ul style="list-style-type: none">• Is the air filter dirty?• Are the intakes and outlets of the air conditioner blocked?• Is the temperature set properly?																											
Ineffective control 	<ul style="list-style-type: none">• If strong interference (from excessive static electricity discharge, power supply voltage abnormality) presents, operation will be abnormal. At this time, disconnect from the power supply and connect back 2-3 seconds later.																											
Does not operate immediately 	<ul style="list-style-type: none">• Changing mode during operation, 3 minutes will delay.																											
Peculiar odor 	<ul style="list-style-type: none">• This odor may come from another source such as furniture, cigarette etc, which is sucked in the unit and blows out with the air.																											
A sound of flowing water 	<ul style="list-style-type: none">• Caused by the flow of refrigerant in the air conditioner, not a trouble.• Defrosting sound in heating mode.																											
Cracking sound is heard 	<ul style="list-style-type: none">• The sound may be generated by the expansion or contraction of the front panel due to change of temperature.																											
Spray mist from the outlet 	<ul style="list-style-type: none">• Mist appears when the room air becomes very cold because of cool air discharged from indoor unit during COOLING or DRY operation mode.																											
The running indicator flashes on constantly, and indoor fan stops.	<ul style="list-style-type: none">• The unit is shifting from heating mode to defrost. The indicator will flash within twelve minutes and returns to heating mode.																											
Mode interfere For the reason that all indoor units use one outdoor unit, outdoor unit can only run with same mode (cooling or heating), so, when the mode you set is different from the mode that outdoor is running with, mode interfere occurs. Following shows the mode interfere scene.	<table><tr><td></td><td>cooling</td><td>dry</td><td>heating</td><td>fan</td><td></td></tr><tr><td>cooling</td><td>✓</td><td>✓</td><td>×</td><td>✓</td><td rowspan="4">✓ --- normal × --- mode interfere</td></tr><tr><td>dry</td><td>✓</td><td>✓</td><td>×</td><td>✓</td></tr><tr><td>heating</td><td>×</td><td>×</td><td>✓</td><td>×</td></tr><tr><td>fan</td><td>✓</td><td>✓</td><td>×</td><td>✓</td></tr></table> <p>outdoor unit always run with the mode of first indoor unit that turned on. when the setting mode of following indoor unit is interfered with it, 3 beeps would be heard, and the indoor unit interfered with the normal running units would turn off automatically.</p>		cooling	dry	heating	fan		cooling	✓	✓	×	✓	✓ --- normal × --- mode interfere	dry	✓	✓	×	✓	heating	×	×	✓	×	fan	✓	✓	×	✓
	cooling	dry	heating	fan																								
cooling	✓	✓	×	✓	✓ --- normal × --- mode interfere																							
dry	✓	✓	×	✓																								
heating	×	×	✓	×																								
fan	✓	✓	×	✓																								

Identification of Parts

Indoor unit



Part Name

1. Remote Controller

2. Air Filter

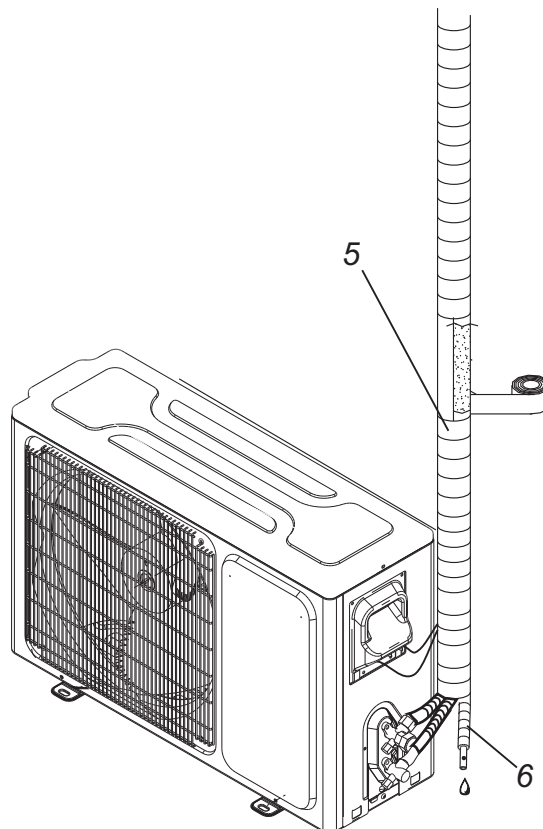
3. Horizontal Louvers

4. Front Panel

5. Pipes and Power Connection Cord

6. Drain Hose

Outdoor unit

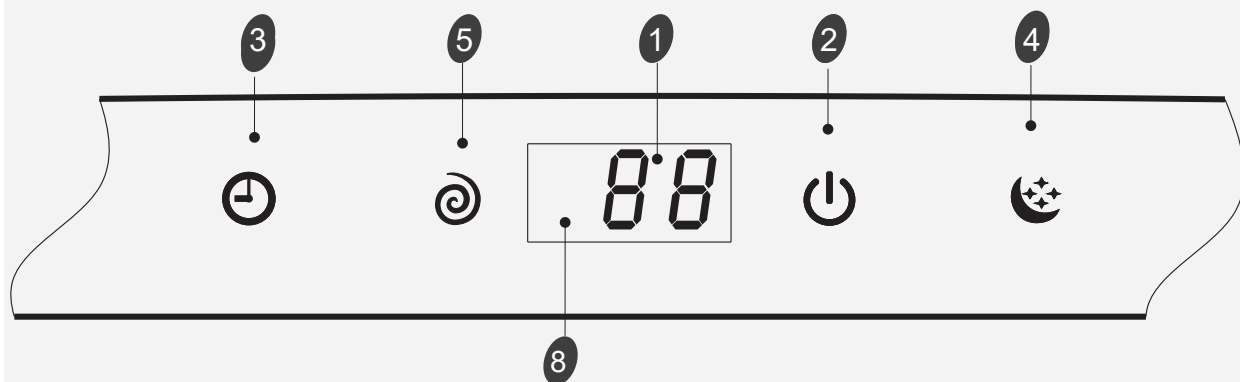


☑ The figures in this manual are based on the external view of a standard model. Consequently, the shape may differ from that of the air conditioner you have selected.

Display introduction

	Temperature indicator 1 Display set temperature. It shows FC after 200 hours of usage as reminder to clean the filter. After filter cleaning press the filter reset button located on the indoor unit behind the front panel in order to reset the display.(optional)
	Running indicator 2 It lights up when the AC is running. It flashes during defrosting.
	Timer indicator 3 It lights up during set time.
	Sleep indicator 4 It lights up in sleep mode.
	Compressor indicator 5 It lights up when the compressor is on.
	Mode indicator 6 Heating displays orange,others display white
	Fan speed indicator 7
	Signal Receptor 8
	Smart WIFI indicator 9 It lights up during WIFI is on.
	NANO indicator 10 It lights up in NANO mode.

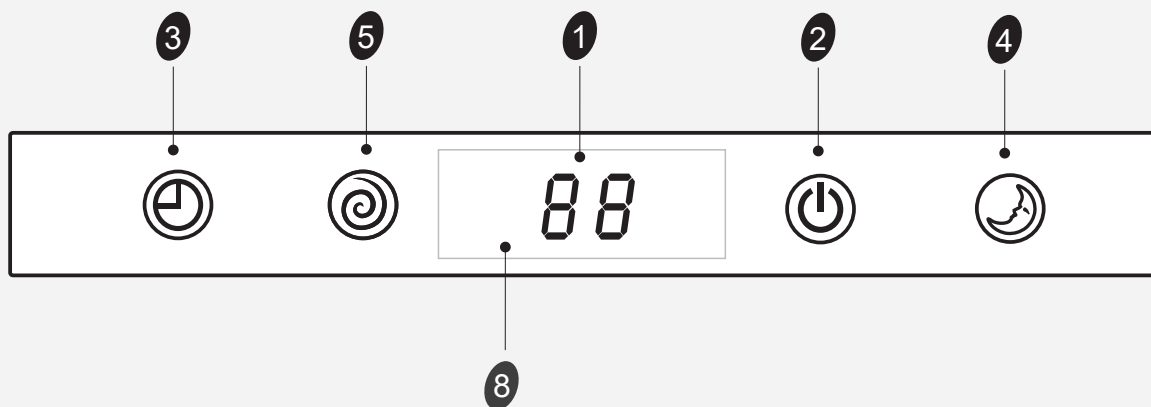
VQ/TE/TF/DA/DG(Middle)/DH/DL(Right side) series



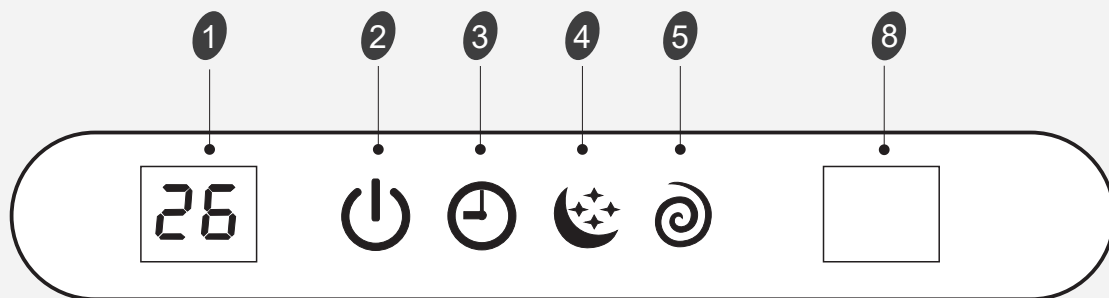
The symbols may be different from these models, but the functions are similar.

Display introduction

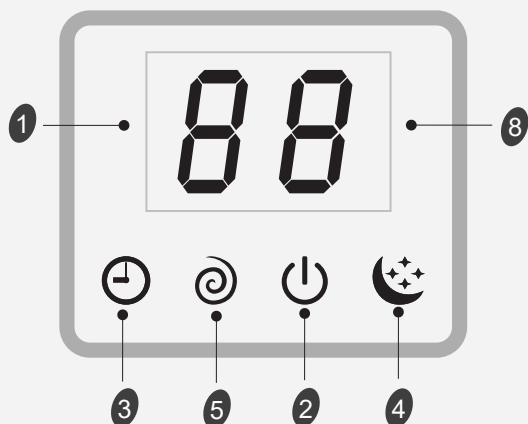
VT series



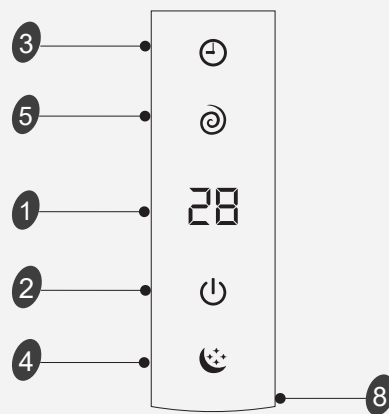
DG(Right side) series



DE series



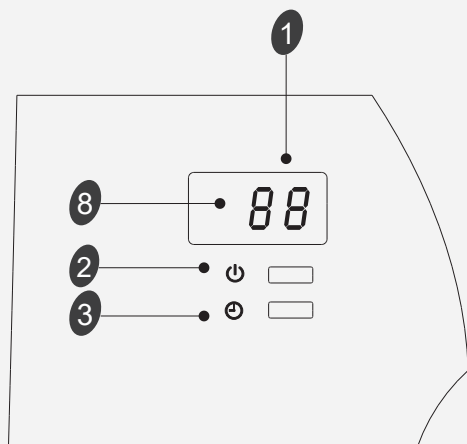
DF series



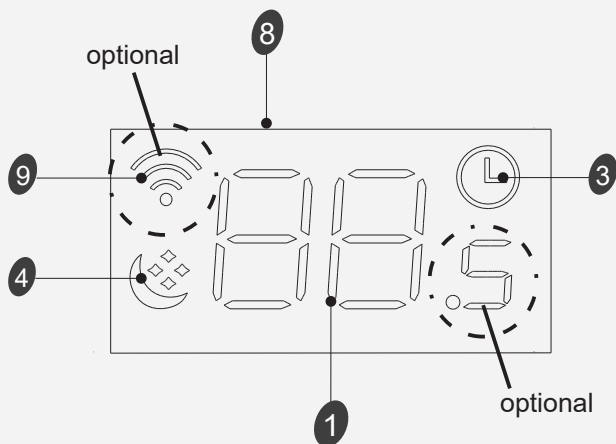
☑ The symbols may be different from these models, but the functions are similar.

Display introduction

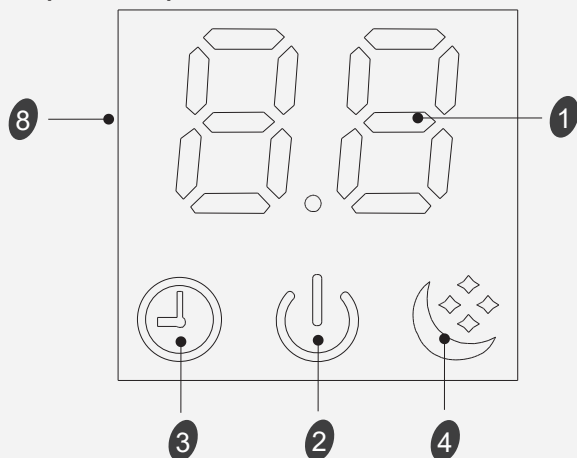
TA series



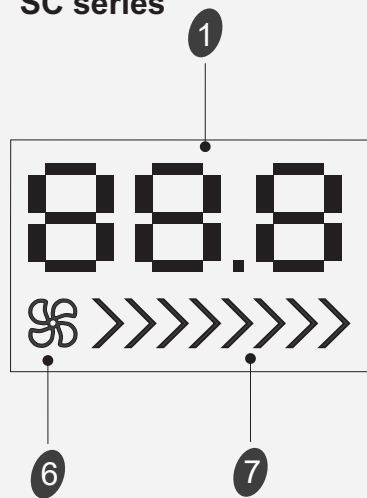
TQ/TR series



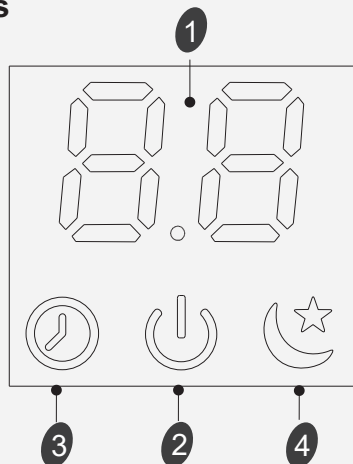
**TD/TG/TS/TT/DB/DC/DH(Hidden display)/
DL(Middle)/DJ/DK/DN series**



SC series



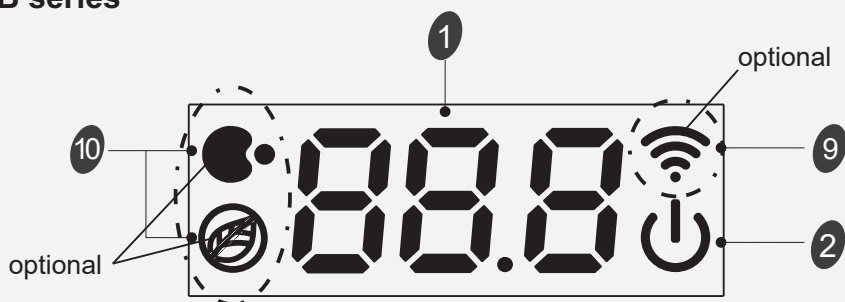
TL series



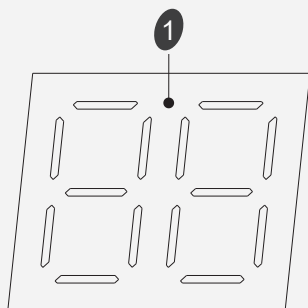
✓ The symbols may be different from these models, but the functions are similar.

Display introduction

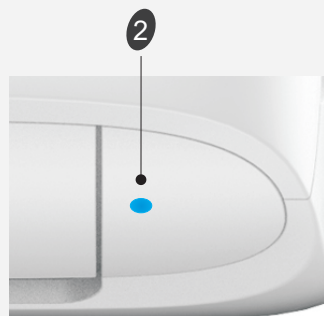
QA/QB series



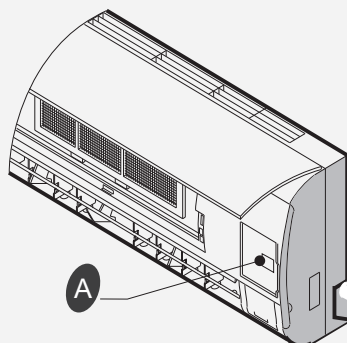
(TD/TL/TJ/TQ/TR/TS/TT/TP/TM/
DB/DC/DL/DJ/DK/DX)(Only 88)/
(CA/CB)(Middle) series



(CA/CB)(Right side) series

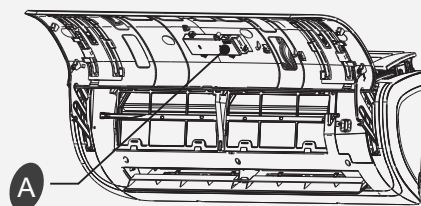


Emergency button **A**



ON/OFF To let the AC run or stop by pressing the button.

QA/QB series



Limited Warranty provided by Comfortside, LLC. (hereby referred to as Comfortside) applies only to registered products installed by a licensed HVAC technician and covers specified products and parts, subject to the following details:

Product Registration: Products must be registered for Limited Warranty within 60 days of installation by licensed HVAC technician. Products can be registered at olmo-comfort.com. Alternatively, the warranty registration card from the product User's Manual can be filled out and sent in as instructed.

Warranty Coverage: The warranty covers the parts of the products which may be defective due to the quality of the materials or workmanship, under normal use and proper maintenance. Warranty is provided only to the first original owner of the Product, where it is originally installed, and is not transferable to the subsequent owners.

Warranty Exclusions: Comfortside is not responsible for any warranty claim:

1. For equipment installed outside of North America.
2. For equipment not installed according to manufacturer's guidelines.
3. For equipment which has been removed from the original site of installation and reinstalled at another location.
4. If registration information cannot be verified (i.e., invalid license number or wrong information provided).
5. Regarding damages or repairs arising as a result of a faulty installation, inappropriate application, or improper use.
6. Regarding damages or repairs arising from any external perils, out of Comfortside's control, acts of nature such as fires, storms, accidents, floods, broken or frozen water pipes, electrical surges, input power with under or overvoltage, lightning, or existence of corrosive substances nearby.
7. Regarding damages or repairs arising from use of non-compatible parts, third-party components, alterations, modifications, or improper applications.
8. Regarding improper service or poor maintenance of the equipment, such as cleaning of all air filters, heat exchangers, fans, and blowers, in addition to any necessary lubrication of internal components and maintenance of external accessories.
9. Regarding changes that can be considered cosmetic, including but not limited to small fin damages, scratches on the unit cover, etc.
10. Regarding resetting of power or the circuit breakers and replacement of other types of fuses, both internal and external.
11. Regarding any damage caused using dirty, recycled, or wrong type of refrigerants and lubricants.
12. Regarding damage due to moisture, air, dust, sand, dirt, etc., that have been allowed into the system.
13. Regarding damage caused by continuing use of the product after a malfunction has been noticed or indicated at the display module, through an error code.
14. Regarding damages or performance issues due to improper matching, product selection, under-sizing, over-sizing, improper installation, or misuse.
15. Regarding loss or replacement of refrigerant, lubricant, or oil.
16. Regarding labor or any costs associated with labor.

Warranty Begin Date: Warranty begins on the date of registration.

Warranty End Date: Products that have not been registered as instructed above are not covered under Warranty. The length of your Warranty depends on the specific model unit you have purchased. Information on Warranty length is available online, by visiting olmo-comfort.com. As further explained below in detail, coverage is only for the original registered user who owns and resides in the dwelling or operates business in the property in which the product is installed.

Remaining Warranty: Any part, component or product that is replaced under the terms of the Warranty, will be covered under the same Warranty for the duration in which the original Warranty for the product is applicable.

Warranty Procedure: Comfortside will furnish a new or refurbished part, without any charge for the part itself, for the replacement of any part that has been determined to have failed, by Comfortside at its sole discretion, due to defects in its materials or workmanship under standard use and proper maintenance. The payment of the shipping costs for the part will be the sole responsibility of the owner of the product. Comfortside reserves the right to ask the owner of the product to return the failed part before or after a replacement part is sent out. The product owner or technician should contact Comfortside Technical Support at (786) 953-6706, Monday to Friday from 9AM to 5PM Eastern Time, while the technician is on site, servicing the unit. The product may or may not display error codes. The technician should be on site while troubleshooting with the Comfortside Technical Support Agent so he or she can address symptoms observed, specific electrical and mechanical measurements, and other detailed information that may be required for proper diagnosis.

While technicians may refer to Comfortside's website or YouTube channel for helpful information, such as manuals and videos based on certain error codes, the technician will need to troubleshoot with the Technical Support Agent for Warranty purposes. Comfortside is not able to remotely diagnose a product and or offer remedies, without proper diagnosis results.

When contacting Technical Support, a licensed technician must be onsite, and the following information needs to be provided:

- The Serial Number of the unit.
- The product purchase invoice and an installation invoice from licensed HVAC technician.
- Case number (if applicable) provided during previous Technical Support call(s).
- Comfortside may ask for photos and/or other diagnostic information it deems necessary prior to processing the Warranty claim.

It should be noted that Comfortside Technical Support Agents troubleshoot on a case-by-case basis, following best practices and procedures to diagnose problems and solutions. Through this process, it is most efficient to diagnose one issue or error code at a time. It is possible that the first suggested solution may or may not solve one problem of multiple failures, in which case the Technician will continue through troubleshooting for remaining issues/error codes.

Labor cost, materials, and other costs: Any labor costs and/or the costs for the supplies or materials used or purchased in the field for the replacement of the defective part, remain the responsibility of the owner. No other costs involved in diagnosis, lodging, transportation, servicing, repair, replacement, installation, removal, shipping, etc., are to be covered under the Warranty.

Refrigerant: Any costs related to charging, recharging, adjustment, or removal of refrigerant, and the cost of the refrigerant itself, are not covered under any circumstances. All products go through vigorous quality controls at various stations and leave the factory in perfect working and sealed condition. Products are individually tested in highly sensitive helium vacuum chambers for existence of refrigerant

leaks Comfortside does not cover any claims related to the lack of refrigerant in new products, discovered upon arrival, or during installation, as well as subsequent refrigerant loss occurring at any time afterward.

This Warranty is not transferable. No person or entity is authorized to change the terms and conditions outlined in this Warranty agreement, in any respect, nor to create any additional obligations or liabilities for any party involved.

This warranty agreement supersedes all prior warranty agreements between the parties and constitutes the complete, final, and exclusive understanding of the parties with respect to the subject matter. All prior negotiations, representations, or promises, whether oral or written, of either party shall be deemed to have been merged herein.

If any part of this Warranty Agreement shall be invalidated for any reason, such part shall be deleted, and the remainder shall be unaffected and shall continue in full force and effect. This Warranty provides you certain legal rights and you may also have other rights, which vary from State to State. Therefore, some of these limitations or exclusions may not apply to you.

States with Express and Implied Warranties: Products in states with Express and Implied Warranties do not need to be registered for Comfortside Warranty. However, for Warranty support, installation invoice should be provided.

Pursuing legal remedies:

ARBITRATION CLAUSE. IMPORTANT. PLEASE REVIEW THIS ARBITRATION CLAUSE, AS IT AFFECTS YOUR LEGAL RIGHTS.

1. This arbitration clause affects your rights against Comfortside and any of its employees, agents, affiliates, successors, or assignees, all of whom together are referred to below as “we” or “us” for the simplicity of reference.
2. **ARBITRATION REQUIREMENT: EXCEPT AS STATED BELOW, ANY DISPUTE BETWEEN YOU AND ANY OF US SHALL BE DECIDED BY NEUTRAL AND BINDING ARBITRATION, RATHER THAN ANY COURT OR BY TRIAL BY JURY. ARBITRATION WILL BE HANDLED ONLY ON AN INDIVIDUAL BASIS AND ALL PARTIES EXPRESSLY WAIVE; ANY RIGHTS TO PARTICIPATE AS A CLASS REPRESENTATIVE OR CLASS MEMBER, ANY RIGHTS TO CLASS ARBITRATION OR ANY CONSOLIDATION OF INDIVIDUAL ARBITRATIONS. THE ARBITRATOR WILL BE A MEMBER OF THE AMERICAN ARBITRATION ORGANIZATION.** The meaning of “Dispute” has the broadest possible meaning allowable by law, including any controversy, claim or other dispute, relating to or arising from the purchase of the product, any of the warranties upon the product, or the condition of the product, as well as the determination of the application or the scope of the Arbitration Clause itself. Rights to appeal and discovery are also limited in arbitration based on the rules of the arbitration organizations.
3. **Governing Law:** Effect and procedures of arbitration will be governed by the Federal Arbitration Act (9 U.S.C. § et seq.) rather than any related state law. In case of any substantive warranty, your claims and rights under such substantive warranty will be governed by the applicable law of the state in which Product was purchased.
4. **Location of the Arbitration:** Unless otherwise provided under the applicable law, arbitration hearing will be conducted in the judicial district in Miami-Dade County, Florida.
5. **Costs of the Arbitration:** Unless otherwise provided under the applicable law, each party will be responsible for its own cost, payable to the arbitration organization, and the costs of their attorneys, experts or other fees.
6. **Survival and Enforceability of the Arbitration Clause:** This arbitration clause will survive the expiration or termination of this warranty agreement, indefinitely.

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