

INSTALLATION MANUAL

AIR CONDITIONER

Please read this installation manual completely before installing the product.
Installation work must be performed in accordance with the national wiring standards
by authorized personnel only.
Please retain this installation manual for future reference after reading it thoroughly.

WALL MOUNTED
Original instruction



MFL69485401
Rev.02_091324

<http://www.lghvac.com>
www.lg.com

Copyright © 2015 - 2024 LG Electronics Inc. All Rights Reserved.

IMPORTANT!

Please read this instruction sheet completely before installing the product.

This air conditioning system meets strict safety and operating standards. As the installer or service person, it is an important part of your job to install or service the system so it operates safely and efficiently.

CAUTION

Improper installation, adjustment, alteration, service or maintenance can void the warranty. The weight of the condensing unit requires caution and proper handling procedures when lifting or moving to avoid personal injury. Use care to avoid contact with sharp or pointed edges.

Safety Precautions

- Always wear safety eye wear and work gloves when installing equipment.
- Never assume electrical power is disconnected. Check with meter and equipment.
- Keep hands out of fan areas when power is connected to equipment.
- R-410A causes frostbite burns.
- R-410A is toxic when burned.

NOTE TO INSTALLING DEALER

The Owners Instructions and Warranty are to be given to the owner or prominently displayed near the indoor Furnace/Air Handler Unit.

WARNING

When wiring:

Electrical shock can cause severe personal injury or death. Only a qualified, experienced electrician should attempt to wire this system.

- Do not supply power to the unit until all wiring and tubing are completed or reconnected and checked.
- Highly dangerous electrical voltages are used in this system. Carefully refer to the wiring diagram and these instructions when wiring. Improper connections and inadequate grounding can cause accidental injury or death.
- Ground the unit following local electrical codes.
- Connect all wiring tightly. Loose wiring may cause overheating at connection points and a possible fire hazard.
- The choice of materials and installations must comply with the applicable local/national or international standards.

When transporting:

Be careful when picking up and moving the indoor and outdoor units. Get a partner to help, and bend your knees when lifting to reduce strain on your back. Sharp edges or thin aluminum fins on the air conditioner can cut your finger.

When installing...

... **in a wall:** Make sure the wall is strong enough to hold the unit's weight.

It may be necessary to construct a strong wood or metal frame to provide added support.

... **in a room :** Properly insulate any tubing run inside a room to prevent "sweating" that can cause dripping and water damage to wall and floors.

... **in moist or uneven locations:** Use a raised concrete pad or concrete blocks provide a solid, level foundation for the outdoor unit. This prevents water damage and abnormal vibration.

... **in an area with high winds:** Securely anchor the outdoor unit down with bolts and a metal frame. Provide a suitable air baffle.

... **in a snowy area(for Heat Pump Model):** Install the outdoor unit on a raised platform that is higher than drifting snow. Provide snow vents.

When connecting refrigerant tubing

- Keep all tubing runs as short as possible.
- Use the flare method for connecting tubing.
- Check carefully for leaks before starting the test run.

When servicing

- Turn the power OFF at the main power box(mains) before opening the unit to check or repair electrical parts and wiring.
- Keep your fingers and clothing away from any moving parts.
- Clean up the site after you finish, remembering to check that no metal scraps or bits of wiring have been left inside the unit being serviced.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product

WARNING

It can result in serious injury or death when the directions are ignored

CAUTION

It can result in minor injury or product damage when the directions are ignored

WARNING

- Installation or repairs made by unqualified persons can result in hazards to you and others.
- Installation **MUST** conform with local building codes.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

Installation

- Don't use a power cord, a plug or a loose socket which is damaged.
 - Otherwise, it may cause a fire or electrical shock.
- For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.
 - Do not disassemble or repair the product. There is risk of fire or electric shock.
- Always ground the product.
 - There is risk of fire or electric shock.
- Install the panel and the cover of control box securely.
 - There is risk of fire or electric shock.
- Always install a dedicated circuit and breaker.
 - Improper wiring or installation may cause fire or electric shock.
- Use the correctly rated breaker or fuse.
 - There is risk of fire or electric shock.
- Do not modify or extend the power cable.
 - There is risk of fire or electric shock.
- Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open.
 - Moisture may condense and wet or damage furniture.
- Be cautious when unpacking and installing the product.
 - Sharp edges could cause injury. Be especially careful of the case edges and the fins on the condenser and evaporator.
- For installation, always contact the dealer or an Authorized Service Center.
 - There is risk of fire, electric shock, explosion, or injury.

4 IMPORTANT SAFETY INSTRUCTIONS

- Do not install the product on a defective installation stand.
 - It may cause injury, accident, or damage to the product.
- Be sure the installation area does not deteriorate with age.
 - If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.
- There is a risk of fire and explosion.
 - Inert gas (nitrogen) should be used when you check plumbing leaks, cleaning or repairs of pipes etc.
If you are using combustible gases including oxygen, product may have the risk of fires and explosions.
- Use a vacuum pump or Inert (nitrogen) gas when doing leakage test or air purge. Do not compress air or Oxygen and do not use Flammable gases. Otherwise, it may cause fire or explosion.
 - There is the risk of death, injury, fire or explosion.
- Do not turn on the breaker or power under condition that front panel, cabinet, top cover, control box cover are removed or opened.
 - Otherwise, it may cause fire, electric shock, explosion or death.

Operation

- Do not store or use flammable gas or combustibles near the product.
 - There is risk of fire or failure of product.

CAUTION Installation

- Always check for gas (refrigerant) leakage after installation or repair of product.
 - Low refrigerant levels may cause failure of product.
- Install the drain hose to ensure that water is drained away properly.
 - A bad connection may cause water leakage.
- Keep level even when installing the product.
 - To avoid vibration or water leakage.
- Use two or more people to lift and transport the product.
 - Avoid personal injury.

TABLE OF CONTENTS

2 IMPORTANT!

3 IMPORTANT SAFETY INSTRUCTIONS

6 INSTALLATION PARTS

7 INSTALLATION TOOLS





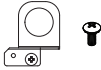
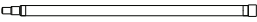
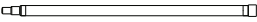
8 INSTALLATION MAP

9 INSTALLATION

- 9 Select the best Location
- 9 Fixing Installation Plate (SB/SC)
- 10 Fixing Installation Plate (SV)
- 10 Drill a Hole in the Wall
- 10 Flaring Work
- 11 Connecting the Piping(SB/SC)
- 12 Connecting the Piping(SV)
- 16 Checking the Drainage
- 17 Wiring Connection
- 21 DIP Switch Setting
- 22 Group Control Setting
- 26 Model Designation
- 26 Airborne Noise Emission
- 26 Limiting concentration

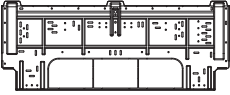



INSTALLATION PARTS

SB/SC

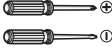





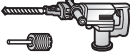


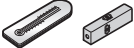


Name	Quantity	Shape	
Installation plate	1 EA	 <p>The feature can be changed according to type of model.</p>	
Type "A" screw	5 EA		
Type "C" screw	2 EA		
Conduit mounting plate	1 EA	<p>SC</p> 	<p>SB</p> 
			
Drain Hose	1 EA		

Screws for fixing panels are attached to decoration panel.

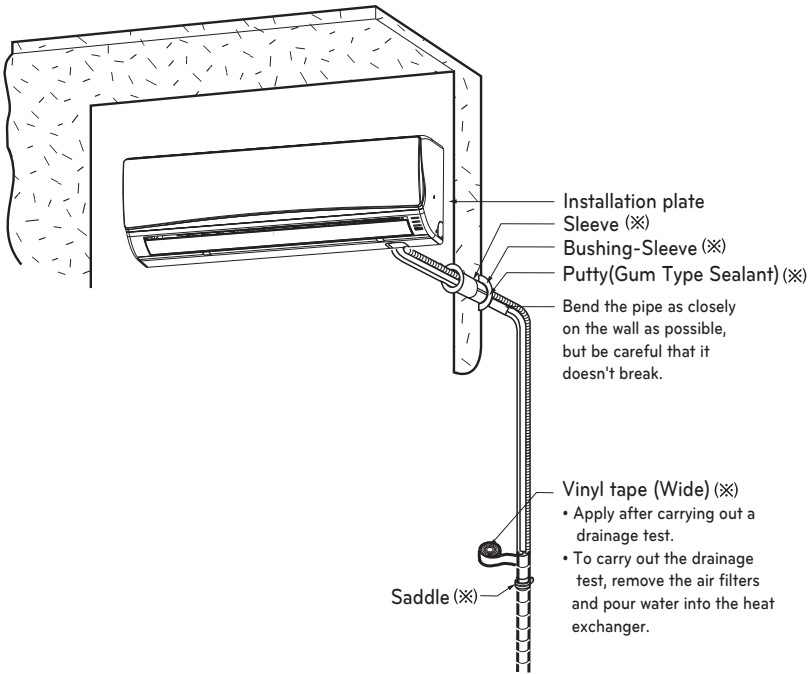
SV

Name	Quantity	Shape
Installation plate	1 EA	
Type "A" screw and plastic anchor	8 EA	
Conduit mounting plate	1 EA	 <p>The part has been included in the product.</p>
Drain Hose	1 EA	

INSTALLATION TOOLS

Figure	Name	Figure	Name
	Screw driver		Multi-meter
	Electric drill		Hexagonal wrench
	Measuring tape, Knife		Ammeter
	Hole core drill		Gas-leak detector
	Spanner		Thermometer, Level
	Torque wrench		Flaring tool set

INSTALLATION MAP



* The feature can be changed according to type of model.

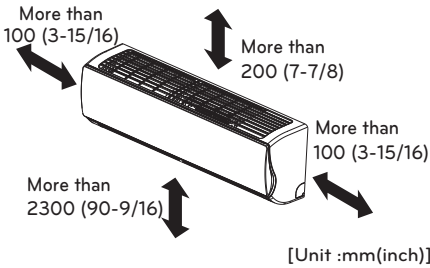
! NOTE

- You should purchase the installation parts.

INSTALLATION

Select the best Location

- There should not be any heat or steam near the unit.
- Select a place where there are no obstacles around of the unit.
- Make sure that condensation drainage can be conveniently routed away.
- Do not install near a doorway.
- Ensure that the interval between a wall and the left (or right) of the unit is more than 100 (3-15/16). The unit should be installed as high as possible on the wall, allowing a minimum of 200 (7-7/8) from ceiling.
- Use a metal detector to locate studs to prevent unnecessary damage to the wall.



[Unit :mm(inch)]

* The feature can be changed according to type of model.

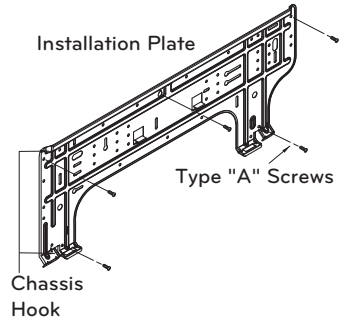
CAUTION

Install the indoor unit on the wall where the height from the floor is more than 2300 mm(90-9/16 inch).

Fixing Installation Plate (SB/SC)

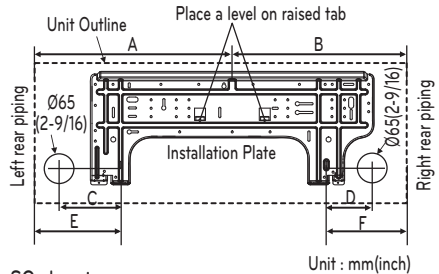
The wall you select should be strong and solid enough to prevent vibration.

- 1 Mount the installation plate on the wall with type "A" screws. If mounting the unit on a concrete wall, use anchor bolts.
 - Mount the installation plate horizontally by aligning the centerline using Horizontal meter .



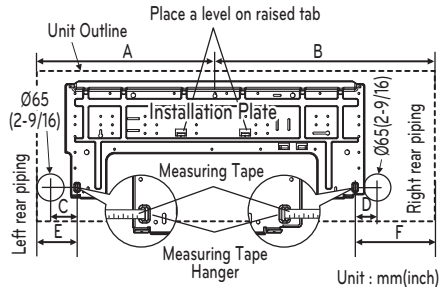
- 2 Measure the wall and mark the centerline. It is also important to use caution concerning the location of the installation plate. Routing of the wiring to power outlets is through the walls typically. Drilling the hole through the wall for piping connections must be done safely.

SB chassis



Unit : mm(inch)

SC chassis

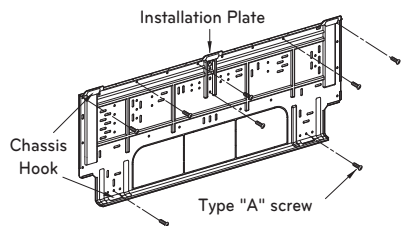


Unit : mm(inch)

CHASSIS	Distance[mm(inch)]					
	A	B	C	D	E	F
SB	442(17-13/32)	442(17-13/32)	133(5-1/4)	95(3-3/4)	175(6-7/8)	217(8-17/32)
SC	460(18-1/8)	570(22-7/16)	69(2-23/32)	56(2-7/32)	105(4-1/8)	207(8-5/32)

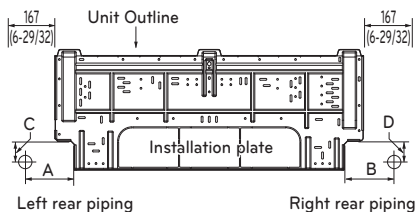
Fixing Installation Plate (SV)

- Mount the installation plate on the wall with type "A" screws. If mounting the unit on a concrete wall, use anchor bolts.
 - Mount the installation plate horizontally by aligning the centerline using a level.

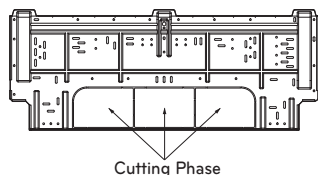


- Measure the wall and mark the centerline. It is also important to use caution concerning the location of the installation platerouting of the wiring to power outlets is through the walls typically. Drilling the hole through the wall for piping connections must be done safely.

CHASSIS	Distance [mm(inch)]			
	A	B	C	D
SV	150 (5-29/32)	140 (5-1/2)	43 (1-11/16)	43 (1-11/16)

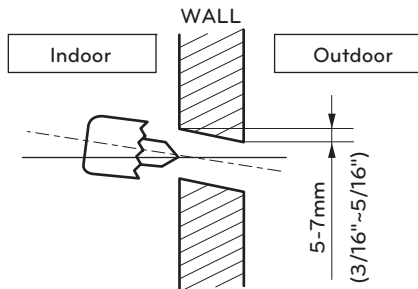


- Install after removing one of the indicated cutting phase according to the installation location of the indoor unit's piping.



Drill a Hole in the Wall

- Drill the piping hole with a $\varnothing 65$ mm (2-9/16 inch) hole core drill. Drill the piping hole at either the right or the left with the hole slightly slanted to the outdoor side.

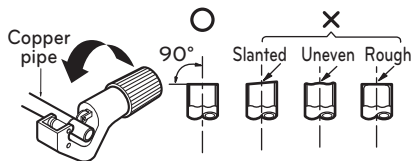


Flaring Work

Main cause for gas leakage is due to defect of flaring work. Carry out correct flaring work in the following procedure.

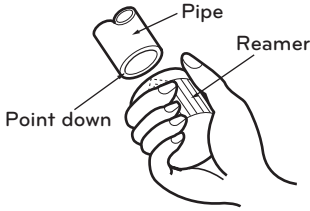
Cut the pipes and the cable

- Use the piping kit accessory or the pipes purchased locally.
- Measure the distance between the indoor and the outdoor unit.
- Cut the pipes a little longer than measured distance.
- Cut the cable 1.5 m (4.92 ft) longer than the pipe length.



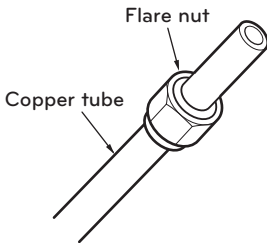
Burrs removal

1. Completely remove all burrs from the cut cross section of pipe/tube.
2. While removing burrs put the end of the copper tube/pipe in a downward direction while removing burrs location is also changed in order to avoid dropping burrs into the tubing.



Putting nut on

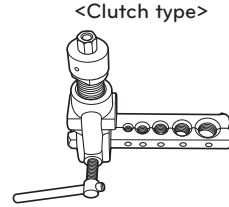
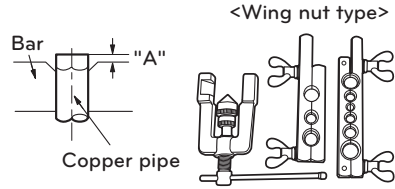
- Remove flare nuts attached to indoor and outdoor unit, then put them on pipe/tube having completed burr removal. (not possible to put them on after finishing flare work)



Flaring work

- Carry out flaring work using flaring tool as shown below.

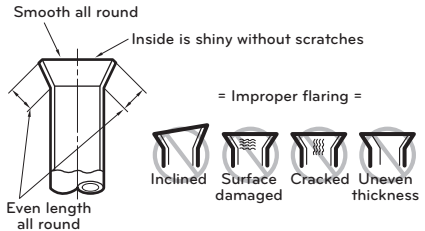
Pipe diameter Inch (mm)	A inch (mm)	
	Wing nut type	Clutch type
Ø1/4 (Ø6.35)		
Ø3/8 (Ø9.52)	0.04~0.07	0~0.02
Ø1/2 (Ø12.7)	(1.1~1.8)	(0~0.5)
Ø5/8 (Ø15.88)		



Firmly hold copper tube in a bar(or die) as indicated dimension in the table above.

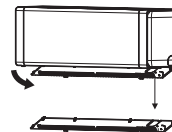
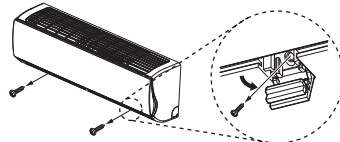
Check

- 1 Compare the flared work with the figure by.
- 2 If a flared section is defective, cut it off and do flaring work again.



Connecting the Piping(SB/SC)

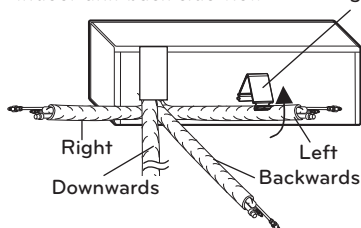
- 1 Pull the screw cap at the bottom of the indoor unit.
- 2 Remove the chassis cover from the unit by losing 2 screws.



Chassis cover

- 3 Pull back the tubing holder.
- 4 Remove pipe port cover and positioning the tubing

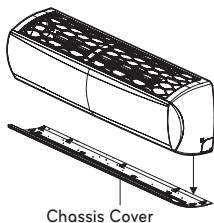
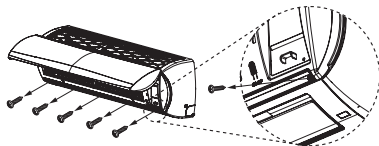
Indoor unit back side view Tubing holder



* The feature can be changed according to type of model.

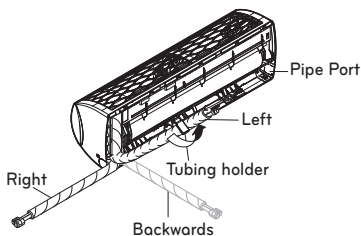
Connecting the Piping(SV)

- 1 Open the panel of the indoor unit.
- 2 Remove the chassis cover from the unit by loosening 5 screws.



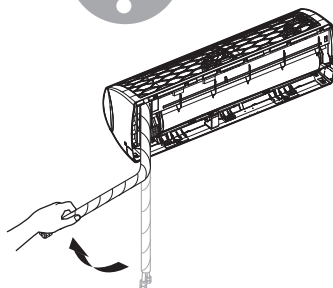
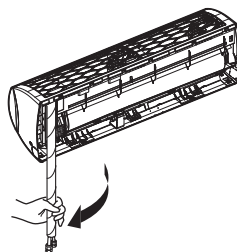
- 3 Pull back the tubing holder.
- 4 Remove the pipe port cover and position the piping.

Back side view



Good case

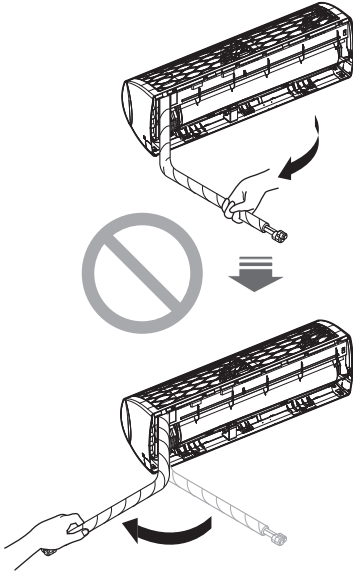
- Press on the tubing cover and unfold the tubing to downward slowly. And then bend to the left side slowly.



* The feature can be changed according to type of model.

Bad case

- Following bending case from right to left directly may cause damage to the tubing.



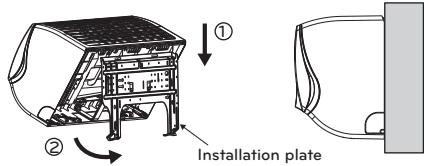
* The feature can be changed according to type of model.

CAUTION

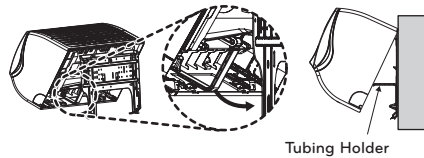
Installation Information. For right piping. Follow the instruction above.

Installation of Indoor Unit

- 1 Hook the indoor unit onto the upper portion of the installation plate. (engage the three hooks at the top of the indoor unit with the upper edge of the installation plate) Ensure that the hooks are properly seated on the installation plate by moving it left and right



- 2 Unlock the tubing holder from the chassis and mount between the chassis and installation plate in order to separate the bottom side of the indoor unit from the wall.

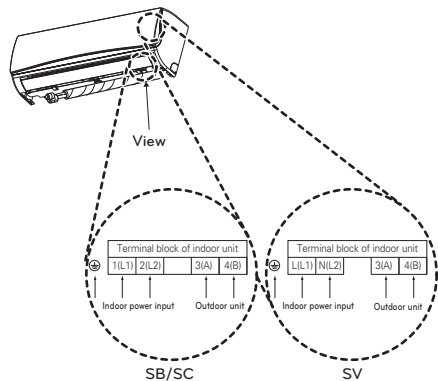


* The feature can be changed according to type of model.

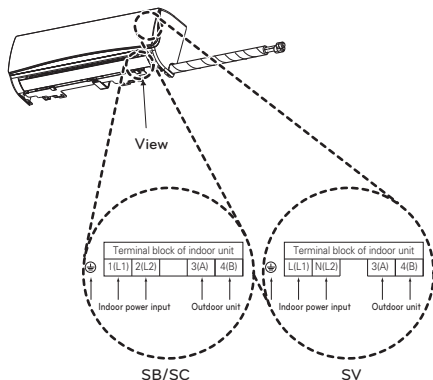
Piping

- 1 Insert the connecting cable through the bottom side of indoor unit and connect the cable (You can see detail contents in 'Connecting the cables' section)

<Left side piping>

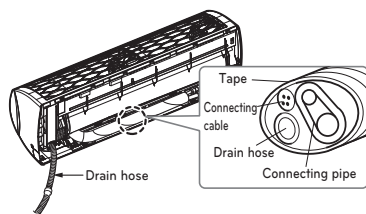


<Right side piping>

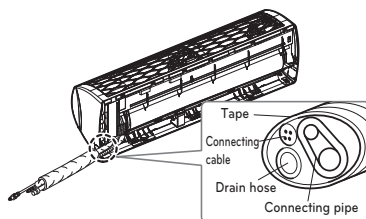


- 2 Secure the cable onto the control board with the cable retainer.
- 3 Tape the tubing pipe, drain hose and the connection cable. Be sure that the drain hose is located at the lowest side of the bundle. Locating at the upper side can cause overflow from the drain pan through the inside of the unit.

<Left side piping>



<Right side piping>



* The feature can be changed according to type of model.

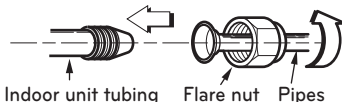
CAUTION

If the drain hose is routed inside the room insulate the hose with an insulation material* so that dripping from sweating condensation will not damage furniture or floors.

* Foamed polyethylene or equivalent is recommended.

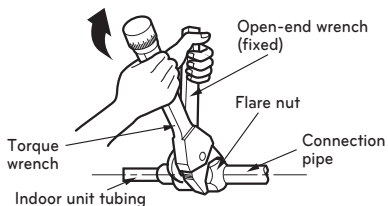
Connecting the installation pipe and drain hose to the indoor unit.

- 1 Align the center of the pipes and sufficiently tighten the flare nut by hand.

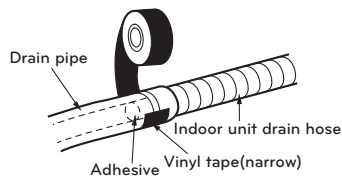


- 2 Tighten the flare nut with a wrench.

Piping Size		Torque		
mm	inch	kgf·cm	N·m	lbf·ft
Ø 6.35	Ø 1/4	180 ~ 250	17.6 ~ 24.5	13 ~ 18
Ø 9.52	Ø 3/8	340 ~ 420	33.3 ~ 41.2	25 ~ 30
Ø 15.88	Ø 5/8	630 ~ 820	61.7 ~ 80.4	45 ~ 59
Ø 12.7	Ø 1/2	550 ~ 660	53.9 ~ 64.7	40 ~ 48
Ø 19.05	Ø 3/4	990 ~ 1210	97.0 ~ 118.7	71 ~ 87

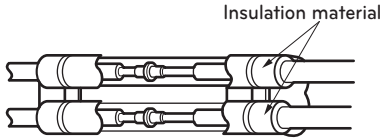


- 3 When needed to extend the drain hose of indoor unit, assembly the drain pipe as shown on the drawing.

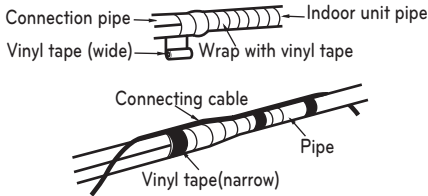
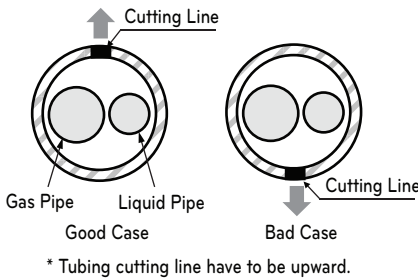


Wrap the insulation material around the connecting portion.

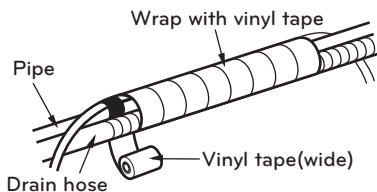
- 1 Overlap the connection pipe insulation material and the indoor unit pipe insulation material. Bind them together with vinyl tape so that there may be no gap.



- 2 Set the tubing cutting line upward. Wrap the area which accommodates the rear piping housing section with vinyl tape.

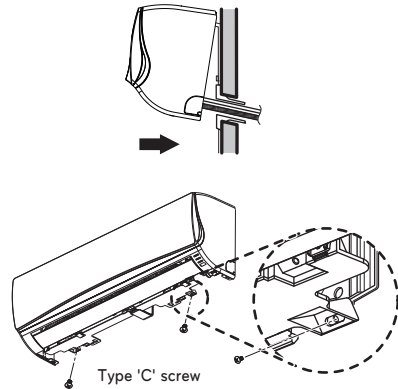


- 3 Bundle the piping and drain hose together by wrapping them with vinyl tape sufficient enough to cover where they fit into the rear piping housing section.



Finishing the indoor unit installation (SB/SC)

- 1 Mount the tubing holder in the original position.
- 2 Ensure that the hooks are properly seated on the installation plate by moving it left and right.
- 3 Press the lower left and right sides of the unit against the installation plate until the hooks engage into their slots (clicking sound).
- 4 Finish the assembly by screwing the unit to the installation plate by using two pieces of type "C" screws. And assemble a chassis cover.



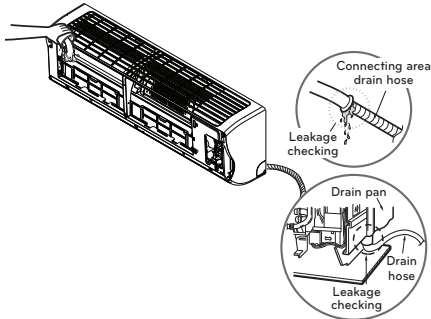
Finishing the indoor unit installation (SV)

- 1 Mount the tubing holder in the original position.
- 2 Ensure that the hooks are properly seated on the installation plate by moving it left and right.
- 3 Press the lower left and right sides of the unit against the installation plate until the hooks engage into their slots (clicking sound).
- 4 Reconvay the chassis cover in Original place.

Checking the Drainage

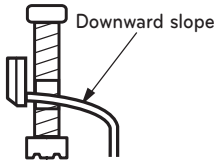
To check the drainage.

- 1 Pour a glass of water on the evaporator.
- 2 Ensure the water flows through the drain hose of the indoor unit without any leakage and goes out the drain exit.

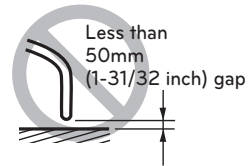
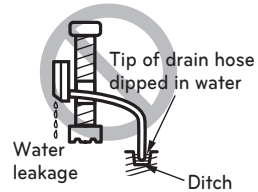
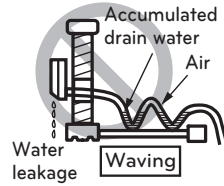


Drain piping

- 1 The drain hose should point downward for easy drain flow.



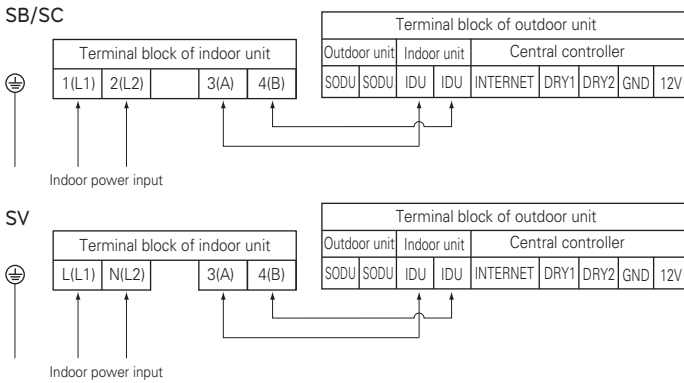
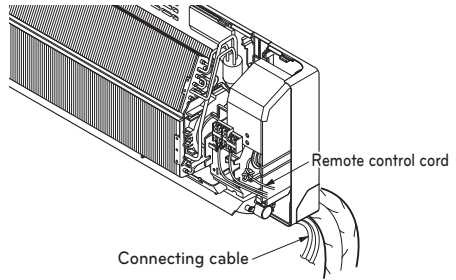
- 2 Do not make drain piping like the following.



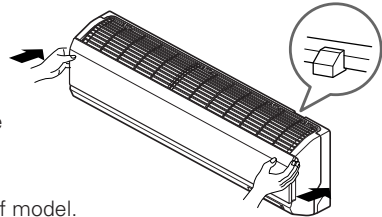
- * The feature can be changed according to type of model.

Wiring Connection

- 1 Connect the wires to the terminals on the control board individually according to the outdoor unit connection.
 - Ensure that the color of the wires of outdoor unit and the terminal No. are the same as those of indoor unit respectively.

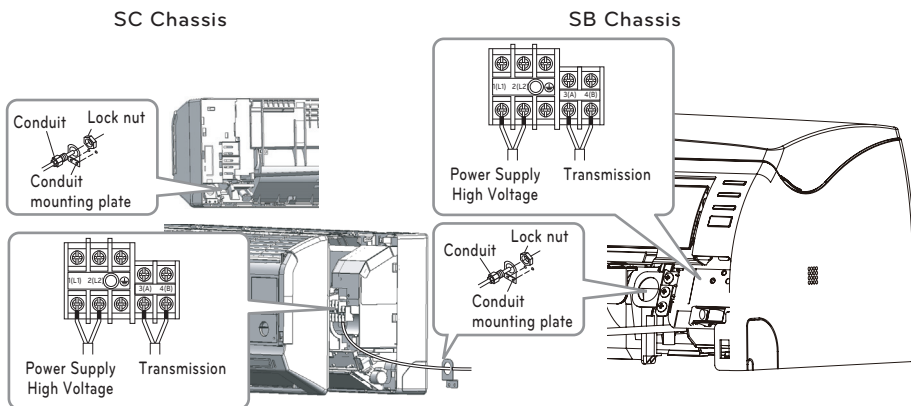


- 2 Attach the Grille onto the cabinet.
 - Grasp lower the left and right side of the Grille and engage four tabs on the top inside edge of the chassis.
 - Press the Grille toward the chassis until it will be back into place.



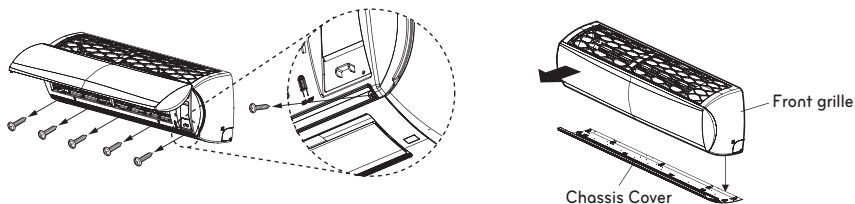
* The feature can be changed according to type of model.

Connection method of the connecting cable(Example)



Connection method of the connecting cable(SV chassis)

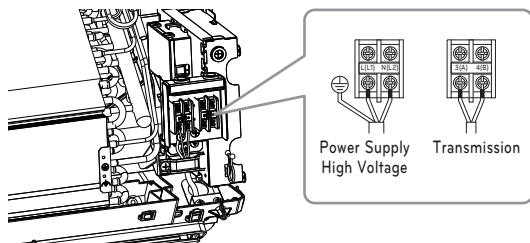
1. Remove the chassis cover and front grille from the unit by loosening 5 screws.



2. Connecting the conduit and lock nut.



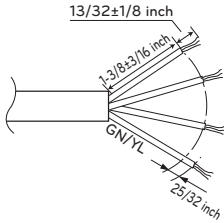
3. Connecting the cable.



4. Reconvoy the chassis cover and front grille in original place.

CAUTION

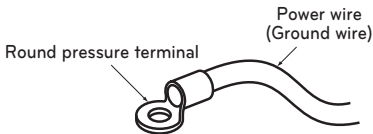
The connecting cable connected to the indoor and outdoor unit should be complied with the following specifications (This equipment shall be provided with a cable set complying with the national regulation).



If the supply cable is damaged, it must be replaced by a special cable or assembly available from the manufacturer of its service agent.

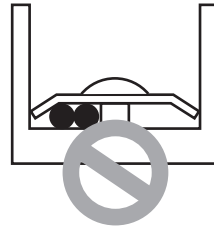
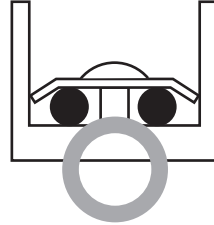
Precautions when laying power and ground wiring

Use round pressure terminals for connections to the power terminal block. When laying ground wiring, you must use round pressure terminals.



When none are available, follow the instructions below.

- Do not connect wiring of different thicknesses to the power terminal block. (Slack in the power wiring may cause abnormal heat.)
- When connecting wiring which is the same thickness, do as shown in the figure below.



- For wiring, use the designated power wire and connect firmly, then secure to prevent outside pressure being exerted on the terminal block.
- Use an appropriate screwdriver for tightening the terminal screws. A screwdriver with a small head will strip the head and make proper tightening impossible.
- Over-tightening the terminal screws may break them.

 **WARNING**

Make sure that the screws of the terminal are free from looseness.

 **CAUTION**

The Power cord connected to the unit should be selected according to the following specifications.

 **CAUTION**

After the confirmation of the above conditions, prepare the wiring as follows:

- 1) Never fail to have separate power specially for the air conditioner. As for the method of wiring, follow the circuit diagram pasted on the inside of control box cover.
- 2) Provide a circuit breaker switch between power source and the unit.
- 3) The screw which fasten the wiring in the casing of electrical fittings are liable to come loose from vibrations to which the unit is subjected during the course of transportation. Check them and make sure that they are all tightly fastened. (If they are loose, it could give rise to burn-out of the wires.)
- 4) Confirm the Specification of power source.
- 5) Confirm that electrical capacity is sufficient.
- 6) Be sure that the starting voltage is maintained at more than 90 percent of the rated voltage marked on the name plate.
- 7) Confirm that the cable thickness is as specified in the power sources specification. (Particularly note the relation between cable length and thickness.)
- 8) Do not install the leakage breaker in a place which is wet or moist. Water or moist may cause short circuit.
- 9) The following troubles would be caused by voltage drop-down.
 - Vibration of a magnetic switch, damage on the contact point there of, fuse breaking, disturbance to the normal function of a overload protection device.
 - Proper starting power is not given to the compressor.

DIP Switch Setting

Indoor Unit

	Function	Description	Setting Off	Setting On	Default
SW1	Communication	N/A (Default)	-	-	Off
SW2	Cycle	N/A (Default)	-	-	Off
SW3	Group Control	Selection of Master or Slave	Master	Slave	Off
SW4	Dry Contact Mode	Selection of Dry Contact Mode	Wired/Wireless remote controller Selection of Manual or Auto operation Mode	Auto	Off
SW5	Installation	Fan continuous operation	Continuous operation Removal	-	Off
SW6	Heater linkage	N/A	-	-	Off
SW7	Ventilator linkage	Selection of Ventilator linkage	Linkage Removal	Working	Off
	Vane selection (Console)	Selection of up/down side Vane	Up side + Down side Vane	Up side Vane Only	
	Region selection	Selection tropical region	General model	Tropical model	
SW8	Etc.	Spare	-	-	Off

⚠ CAUTION

For Multi V Models, DIP switch 1, 2, 6, 8 must be set OFF.

Outdoor Unit

In case that the products meet specific conditions, "Auto addressing" function can start automatically with the improved speed by turning the DIP switch #3 of the outdoor unit and resetting the power.

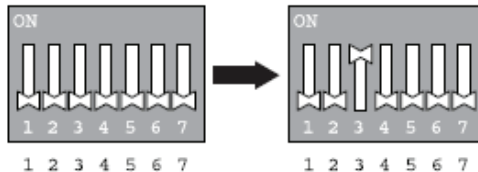
* Specific conditions:

- All names of the indoor units are ARNU****4
- The serial number of Multi V super IV (outdoor units) is after October 2013,

DIP switch 7 segment



Outdoor Unit PCB

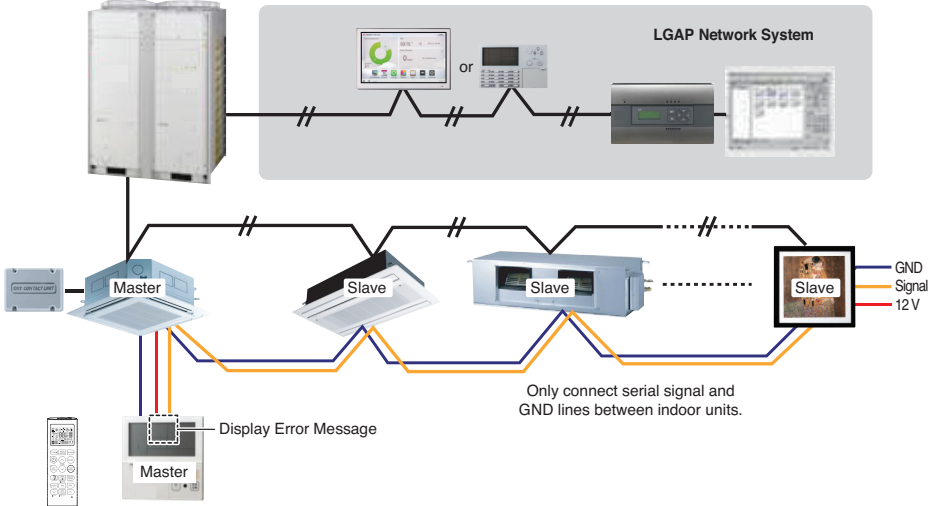


Outdoor Unit DIP Switch

Group Control Setting

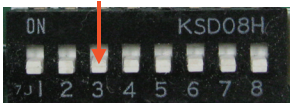
Group Control 1

■ Wired remote controller 1 + Standard Indoor Units

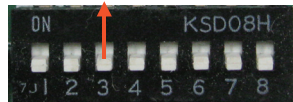


■ DIP Switch in PCB

① Master Setting
- No. 3 Off



② Slave Setting
- No. 3 On



Indoor Unit DIP Switch

Some products have no DIP switch on PCB. It is possible to set indoor units to Master or Slave by using the wireless remote controller instead of DIP switch.

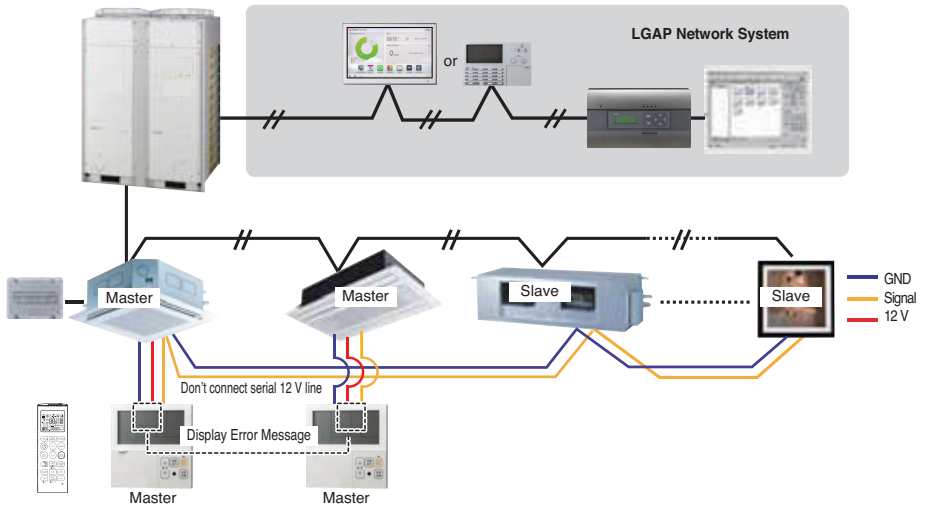
For the details of the setting, please refer to the manual of the wireless remote controller.

1. It is possible to 16 indoor units(Max.) by one wired remote controller.
Set only one indoor unit to Master, set the others to Slave.
2. It is possible to connect with every type of indoor units.
3. It is possible to use wireless remote controller at the same time.
4. It is possible to connect with Dry Contact and Central controller at the same time.
- The Master indoor unit is possible to recognize Dry Contact and Central Controller only.
5. In case that any error occurs at indoor unit, the error code is displayed on the wired remote controller.
It is possible to control the other indoor units except the error units.

- * It is possible to connect indoor units since Feb. 2009.
- * It can be the cause of malfunctions when there is no setting of master and slave.
- * In case of Group Control, it is possible to use following functions.
 - Selection of operation, stop or mode
 - Temperature setting and room temperature check
 - Current time change
 - Control of flow rate (High/Middle/Low)
 - Reservation settings
 - It is not possible at some functions.

Group Control 2

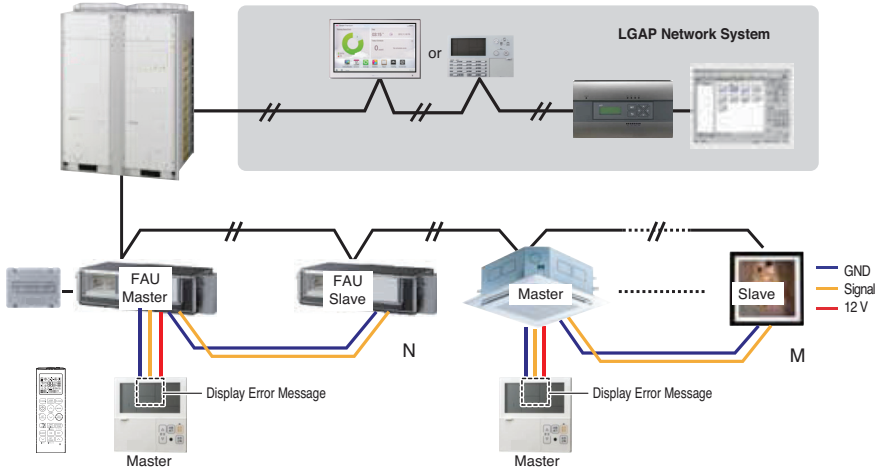
■ Wired remote controllers + Standard Indoor Units



- * It is possible to control 16 indoor units(Max.) with the master wired remote control.
- * Other than those, it is same with the Group Control 1.

Group Control 3

■ Mixture connection with indoor units and Fresh Air Intake Unit



* In case of connecting with standard indoor unit and Fresh Air Intake Unit, separate Fresh Air Intake Unit with standard units. (N, M ≤ 16) (Because setting temperature are different.)

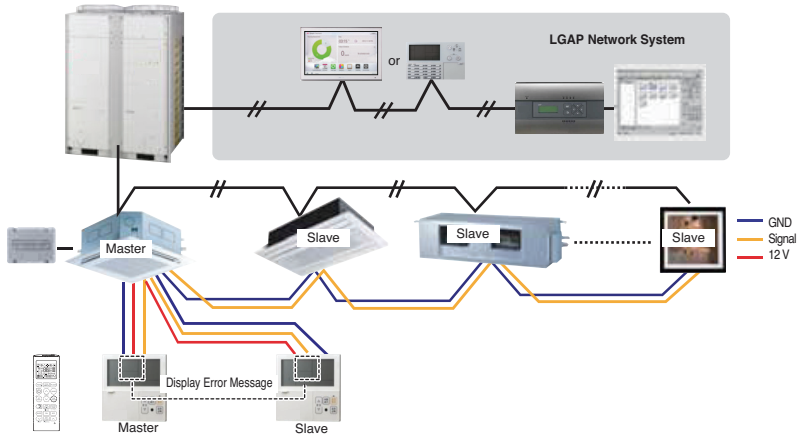
* Other than those, it is same with Group Control 1.



* FAU : Fresh Air Intake Unit
Standard: Standard Indoor Unit

2 Remote Control

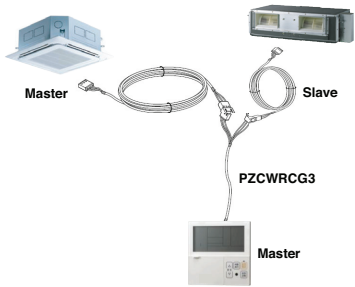
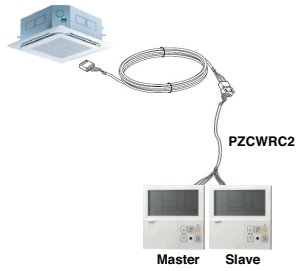
■ Wired remote controller 2 + Indoor unit 1



1. It is possible to connect two wired remote controllers (Max.) with one indoor unit.
Set only one indoor unit to Master, set the others to Slave.
Set only one wired remote controller to Master, set the others to Slave.
2. Every types of indoor unit is possible to connect two remote controller.
3. It is possible to use wireless remote controller at the same time.
4. It is possible to connect with Dry Contact and Central controller at the same time.
5. In case that any error occurs at indoor unit, the error code is displayed on the wired remote controller.
6. There isn't limits of indoor unit function.

Accessories for group control setting

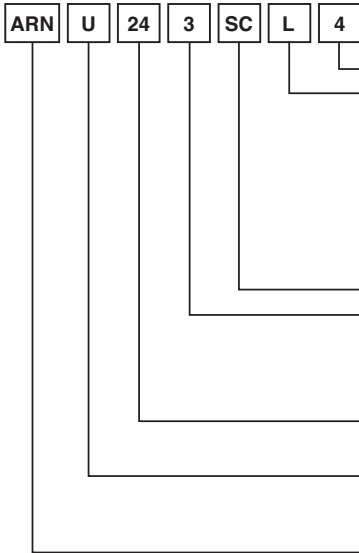
It is possible to set group control by using below accessories.

Indoor unit 2 EA +Wired remote controller	Indoor unit 1 EA +Wired remote controller 2EA
<p>* PZCWRCG3 cable used for connection</p> 	<p>* PZCWRC2 cable used for connection</p> 

⚠ CAUTION

Apply totally enclosed noncombustible conduit in case of local building code Requiring plenum cable usage.

Model Designation



Serial Number

Combinations of functions

A: Basic function L: Neo Plasma (Wall Mounted)

C: Plasma (Ceiling Cassette)

G: Low Static K: High Sensible Heat

U: Floor Standing without Case

SE/S8 - R: Mirror V: Silver B: Blue (ART COOL Type Panel Color)

SF - E: Red V: Silver G: Gold I: Kiss (Photo changeable)

Q: Console Z: Fresh Air Intake Unit

Chassis Name

Electrical Ratings

1: 1 Ø, 115 V, 60 Hz 2: 1 Ø, 220 V, 60 Hz

6: 1 Ø, 220 - 240 V, 50 Hz 7: 1 Ø, 100 V, 50/60 Hz

3: 1 Ø, 208/230 V, 60 Hz G: 1 Ø, 220 - 240 V, 50 Hz/1 Ø, 220 V, 60 Hz

Total Cooling Capacity in Btu/h

EX) 5,000 Btu/h → '05' 18,000 Btu/h → '18'

Combination of Inverter Type and Cooling Only or Heat Pump

N: AC Inverter and H/P V: AC Inverter and C/O

U: DC Inverter and H/P and C/O

MULTIV. System with Indoor Unit using R410A

* LGETA:U Ex) URN

Airborne Noise Emission

The A-weighted sound pressure emitted by this product is below 70 dB.

** The noise level can vary depending on the site.

The figures quoted are emission level and are not necessarily safe working levels. Whilst there is a correlation between the emission and exposure levels, this cannot be used reliably to determine whether or not further precautions are required. Factors that influence the actual level of exposure of the workforce include the characteristics of the work room and the other sources of noise, i.e. the number of equipment and other adjacent processes and the length of time for which an operator is exposed to the noise. Also, the permissible exposure level can vary from country to country. This information, however, will enable the user of the equipment to make a better evaluation of the hazard and risk.

Limiting concentration

Limiting concentration is the limit of Freon gas concentration where immediate measures can be taken without hurting human body when refrigerant leaks in the air. The limiting concentration shall be described in the unit of kg/m³ (lbs/ft³) (Freon gas weight per unit air volume) for facilitating calculation

Limiting concentration: 0.44 kg/m³ (0.027 lbs/ft³) (R410A)

■ Calculate refrigerant concentration

$$\text{Refrigerant concentration} = \frac{\text{Total amount of replenished refrigerant in refrigerant facility [kg(lbs)]}}{\text{Capacity of smallest room where indoor unit is installed [m}^3\text{(ft}^3\text{)]}}$$



US	Please call the installing contractor of your product, as warranty service will be provided by them.
CANADA	Service call Number # : (888) LG Canada, (888) 542-2623 Numéro pour les appels de service : LG Canada, 1-888-542-2623