

INSTALLATION MANUAL FOR ROOM
AIR CONDITIONER
(Split Wall-Mounted Type)

SAFETY PRECAUTIONS

- Please read this installation manual completely before installing the product.
- If the power cord is damaged, replacement work shall be performed by authorised personnel only.
- Installation must be performed in accordance with the requirement of NEC and CEC by authorized personnel only.
- Contact an authorised service technician for repair, maintenance or installation of this unit.
- 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.
- All the pictures in the instructions are for explanation purposes only. The actual shape should prevail.
- The design and specifications are subject to change without prior notice for product improvement. Consult with the sales agency or manufacturer for details.

■ The seriousness is classified by the following indications.

	WARNING	This symbol indicates the possibility of death or serious injury.
	CAUTION	This symbol indicates the possibility of injury or damage to property.

WARNING

- 1) Install according to this installation instructions strictly. If installation is defective, it will cause water leakage, electrical shock, fire.
- 2) Use the attached accessories parts and specified parts for installation, otherwise, it will cause the set to fall, water leakage, electrical shock, fire.
- 3) Install at a strong and firm location which is able to withstand the set's weight. If the strength is not enough or installation is not properly done, the set will drop and cause injury.
- 4) For electrical work, follow the local national wiring standard, regulation and this installation instructions. An independent circuit and single outlet must be used. If electrical circuit capacity is not enough or defect found in electrical work, it will cause electrical shock, fire.
- 5) Use the specified cable and connect tightly and clamp the cable so that no external force will be acted on the terminal. If connection or fixing is not perfect, it will cause heat-up or fire at the connection.
- 6) Wiring routing must be properly arranged so that control board cover is fixed properly. If control board cover is not fixed perfectly, it will cause heat-up at connection point of terminal, fire or electrical shock.
- 7) When carrying out piping connection, take care not to let air substances other than the specified refrigerant go into refrigeration cycle. Otherwise, it will cause lower capacity, abnormal high pressure in the refrigeration cycle, explosion and injury.
- 8) Do not modify the length of the power supply cord or use of extension cord, and do not share the single outlet with other electrical appliances. Otherwise, it will cause fire or electrical shock.

CAUTION

- 1) This equipment must be earthed and installed with earth leakage current breaker. It may cause electrical shock if grounding is not perfect.
- 2) Do not install the unit at place where leakage of flammable gas may occur. In case gas leaks and accumulates at surrounding of the unit, it may cause fire.
- 3) Carry out drainage piping as mentioned in installation instructions. If drainage is not perfect, water may enter the room and damage the furniture.

SELECT THE BEST LOCATION

Indoor unit

- There should not be any heat source or stream near the unit.
- There should not be any obstacles blocking the air circulation.
- A place where air circulation in the room is good.
- A place where drainage can be easily done.
- A place where noise prevention is taken into consideration.
- Do not install the unit near the door way.
- Ensure the spaces indicated by arrows from the wall, ceiling, fence or other obstacles.
- There should not be any direct sunlight. If unavoidable, sunlight prevention should be taken into consideration.

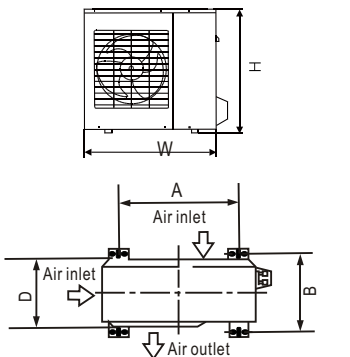
Outdoor unit

- If an awning is built over the unit to prevent direct sunlight or rain, be careful that heat radiation from the condenser is not obstructed.
- There should not be any animal or plant which could be affected by hot air discharged.
- Keep the spaces indicated by arrow from wall ceiling, fence or other obstacles.
- Do not place any obstacles which may cause a short circuit of the discharged air.

Settlement of outdoor unit

- Anchor the outdoor unit with a bolt and nut $\phi 10$ or $\phi 8$ tightly and horizontally on a concrete or rigid mount.

Outdoor unit dimension mm(WxHxD)	Mounting dimensions	
	A(mm)	B(mm)
845x700x320	560	335
900x860x315	590	333
990x965x345	624	366



ACCESSORIES

Number	Name of Accessories			Qty
1	Installation Plate			1
2	Clip Anchor			5-8(dependent on models)
3	Self-tapping Screw AST3.9x25			5-8(dependent on models)
4	Seal(For cooling & heating models only)			1
5	Drain Joint(For cooling & heating models only)			1
6	Connecting pipe Assembly	Liquid side	Φ6.35	Parts you must purchase. The pipe size differ from appliance to appliance. Consult the technician for the proper size.
			Φ9.52	
		Gasside	Φ12.7	
			Φ16	
			Φ19	
7	Remote controller			1
8	Self-tapping Screw B ST2.9x10		optional parts	2
9	Remote controller holder			1

NOTE: Except the above parts provided, the other parts needed during installation you must purchase.

1 FIT THE INSTALLATION PLATE

NOTE:

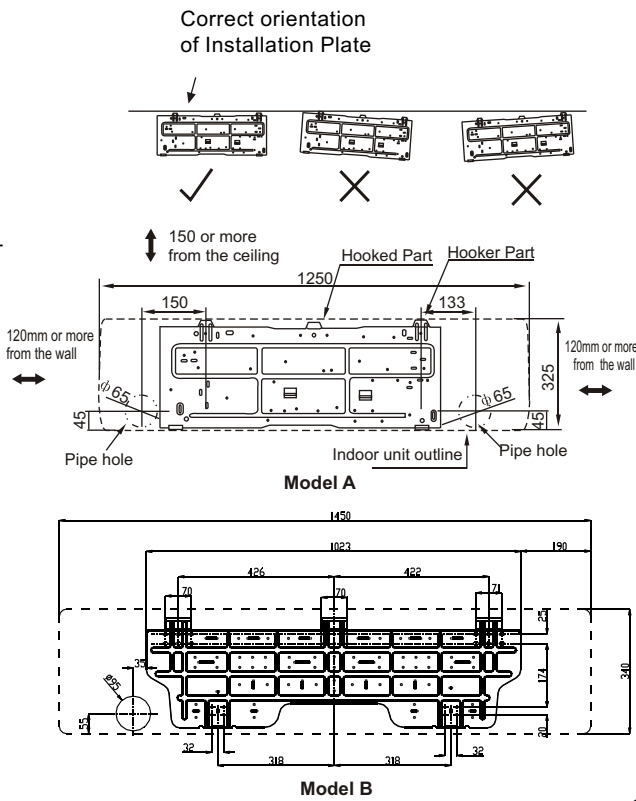
The mounting wall is strong and solid enough to prevent it from the vibration.

● **Fit the Installation Plate**

1. Fit the installation plate horizontally on structural parts of the wall with spaces around the installation plate.
2. If the wall is made of brick, concrete or the like, drill eight (8) 5mm diameter holes in the wall. Insert clip anchor for appropriate mounting screws.
3. Fit the installation plate on the wall with eight (8) type "A" screws.

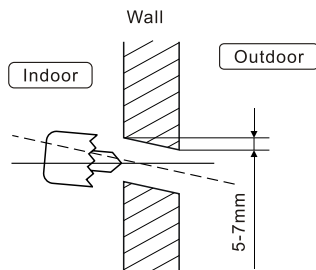
NOTE:

Fit the Installation Plate and drill holes in the wall according to the wall structure and corresponding mounting points on the installation plate. The installation plate provided with the machine differ from appliance to appliance.
(Dimensions are in " mm " unless otherwise stated)



2 DRILL A HOLE IN THE WALL

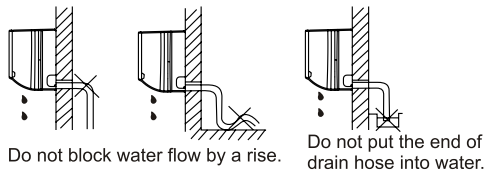
1. Determine hole positions according to left and right side of the installation plate. The hole center is obtained by measuring the distance as shown in the diagram above.
2. Drill the piping plate hole with $\phi 65$ mm hole-core drill.
3. Drill the piping hole at either the right or the left and the hole should be slightly slanted to the outdoor side.
4. Always use wall hole conduit when drilling metal grid, metal plate or the like.



3 CONNECTIVE PIPE AND DRAINAGE INSTALLATION

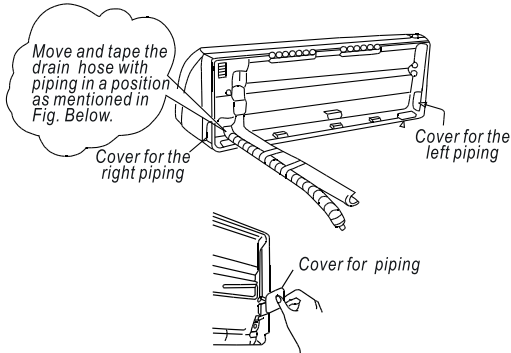
Drainage

1. Run the drain hose sloping downward. Do not install the drain hose as illustrated in Figures.
2. When connecting extension drain hose, insulate the connecting part of extension drain hose with a shield pipe, do not let the drain hose slack.



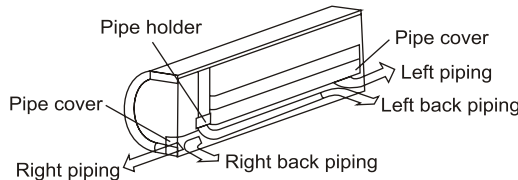
Connective pipe installation

1. For the left-hand and right-hand piping, remove the pipe cover from the side panel.
 2. For the rear-right-hand and rear-left-hand piping, install the piping as shown.
 3. Bundle the tubing, connecting cable, and drain hose with tape securely, evenly as shown in Figure on the right.
- Because the condensed water from rear of the indoor unit is gathered in ponding box and is piped out of room. Do not put anything else in the box.



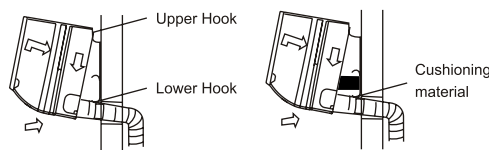
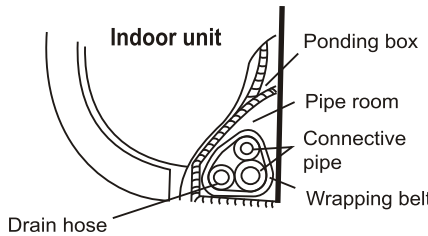
CAUTION

- Connect the indoor unit first, then the outdoor unit.
- Do not allow the piping to let out from the back of the indoor unit.
- Be careful not to let the drain hose slack.
- Heat insulated both of the auxiliary piping.
- Be sure that the drain hose is located at the lowest side of the bundle. Locating at the upper side can cause drain pan to overflow inside the unit.
- Never intercross nor intertwist the power wire with any other wiring.
- Run the drain hose sloped downward to drain out the condensed water smoothly.



Indoor unit installation

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



Outer diam.	Tightening torque(N.cm)	Additional tightening torque(N.cm)
φ 6.35mm	1500 (153kgf.cm)	1600 (163kgf.cm)
φ 9.52mm	2500 (255kgf.cm)	2600 (265kgf.cm)
φ 12.7mm	3500 (357kgf.cm)	3600 (367kgf.cm)
φ 16mm	4500 (459kgf.cm)	4700 (479kgf.cm)
φ 19mm	6500 (663kaf.cm)	6700 (683kaf.cm)