

INSTALLATION MANUAL

Floor-Standing Type

Thank you very much for purchasing our air conditioner,
Before using your air conditioner , please read this manual carefully and keep it for future reference.

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1. PRECAUTIONS

- Be sure to be in conformity with the local, national and international laws and regulations.
- Read "PRECAUTIONS" carefully before installation.
- The following precautions include important safety items. Observe them and never forget.
- Keep this manual with the owner's manual in a handy place for future reference.

The safety precautions listed here are divided into two categories. In either case, important safety information is listed which must be read carefully.



WARNING

Failure to observe a warning may result in death.



CAUTION

Failure to observe a caution may result in injury or damage to the equipment.

After completing the installation, make sure that the unit operates properly during the start-up operation. Please instruct the customer on how to operate the unit and keep it maintained. Also, inform customers that they should store this installation manual along with the owner's manual for future reference.



WARNING

Be sure only trained and qualified service personnel to install, repair or service the equipment.

Improper installation, repair, and maintenance may result in electric shocks, short-circuit, leaks, fire or other damage to the equipment.

Install according to this installation instructions strictly. If installation is defective, it will cause water leakage, electrical shock fire.

When installing the unit in a small room, take measures against to keep refrigerant concentration from exceeding allowable safety limits in the event of refrigerant leakage. Contact the place of purchase for more information. Excessive refrigerant in a closed ambient can lead to oxygen deficiency.

Use the attached accessories parts and specified parts for installation. otherwise, it will cause the set to fall, water leakage, electrical shock fire.

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 to cause injury.

The appliance shall not be installed in the laundry.

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

The appliance must be positioned so that the plug is accessible.

The enclosure of the appliance shall be marked by word, or by symbols, with the direction of the fluid flow.

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 in electrical work, it will cause electrical shock fire.

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.

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.

If the supply cord is damaged, it must be replaced by the manufacture or its service agent or similarly qualified person in order to avoid a hazard.

An all-pole disconnection switch having a contact separation of at least 3mm in all poles should be connected in fixed wiring.

When carrying out piping connection, take care not to let air substances go into refrigeration cycle. Otherwise, it will cause lower capacity, abnormal high pressure in the refrigeration cycle, explosion and injury.

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.

Carry out the specified installation work after taking into account strong winds, typhoons or earthquakes. Improper installation work may result in the equipment falling and causing accidents.

If the refrigerant leaks during installation, ventilate the area immediately.

Toxic gas may be produced if the refrigerant comes into the place contacting with fire.

The temperature of refrigerant circuit will be high, please keep the interconnection cable away from the copper tube.

After completing the installation work, check that the refrigerant does not leak.

Toxic gas may be produced if the refrigerant leaks into the room and comes into contact with a source of fire, such as a fan heater, stove or cooker.



CAUTION

Ground the air conditioner.

Do not connect the ground wire to gas or water pipes, lightning rod or a telephone ground wire. Incomplete grounding may result in electric shocks.

Be sure to install an earth leakage breaker.

Failure to install an earth leakage breaker may result in electric shocks.

Connect the outdoor unit wires, then connect the indoor unit wires.

You are not allowed to connect the air conditioner with the power source until wiring and piping of the air conditioner is done.

While following the instructions in this installation manual, install drain piping in order to ensure proper drainage and insulate piping in order to prevent condensation.

Improper drain piping may result in water leakage and property damage.

Install the indoor and outdoor units, power supply wiring and connecting wires at least 1 meter away from televisions or radios in order to prevent image interference or noise.

Depending on the radio waves, a distance of 1 meter may not be sufficient enough to eliminate the noise.

The appliance is not intended for use by young children or infirm persons without supervision.

Don't install the air conditioner in the following locations:

- There is petrolatum existing.
- There is salty air surrounding (near the coast).
- There is caustic gas (the sulfide, for example) existing in the air (near a hot spring).
- The Volt vibrates violently (in the factories).
- In buses or cabinets.
- In kitchen where it is full of oil gas.
- There is strong electromagnetic wave existing.
- There are inflammable materials or gas.
- There is acid or alkaline liquid evaporating.
- Other special conditions.

2. INSTALLATION INFORMATION

- To install properly, please read this "installation manual" at first.
 - The air conditioner must be installed by qualified persons.
 - When installing the indoor unit or its tubing, please follow this manual as strictly as possible.
 - If the air conditioner is installed on a metal part of the building, it must be electrically insulated according to the relevant standards to electrical appliances.
 - When all the installation work is finished, please turn on the power only after a thorough check.
 - Regret for no further announcement if there is any change of this manual caused by product improvement.
-








INSTALLATION ORDER

- Select the location;
- Install the indoor unit;
- Install the outdoor unit;
- Install the connecting pipe ;
- Connect the drain pipe;
- Wiring;
- Test operation.

3. ACCESSORIES

Please check whether the following fittings are of full scope. If there are some spare fittings , please restore them carefully.

Table 3-1

	NAME	SHAPE	QUANTITY
Installation fittings	1.Hook		2
	2. Remote controller		1
Remote controller & Its Frame	3. Frame		1
	4. Mounting screw(ST2.9×10-C-H)		2
	5. Alkaline dry batteries (AM4)		2
Others	6. Owner's manual		1
	7. Installation manual		1

Cautions on remote controller installation:

- Never throw or beat the controller.
- Before installation, operate the remote controller to determine its location in a reception range.
- Keep the remote controller at least 1m apart from the nearest TV set or stereo equipment. (it is necessary to prevent image disturbances or noise interferences.)
- Do not install the remote controller in a place exposed to direct sunlight or close to a heating source, such as a stove.
- Note that the positive and negative poles are right positions when loading batteries.
- This manual is subject to changes due to technological improvement without further notices.

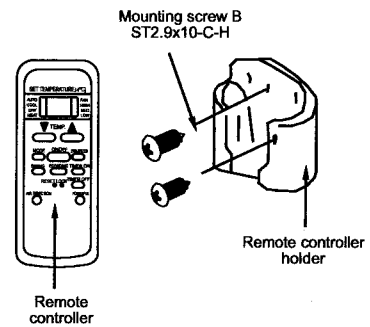




Fig.3-1

4. INSPECTING AND HANDLING THE UNIT

At delivery, the package should be checked and any damage should be reported immediately to the service agent.

When handling the unit, take into account the following:

- 1  Fragile, handle the unit with care.
- 1  Keep the unit upright in order to avoid compressor damage.
- 2 Choose on before hand the path along which the unit is to be brought in.
- 3 Move this unit as originally package as possible.
- 4 When lifting the unit , always use protectors to prevent belt damage and pay attention to the position of the unit's centre of gravity.

5. INDOOR UNIT INSTALLATION

5.1 Installation place

The indoor unit should be installed in a location that meets the following requirements:

- There is enough room for installation and maintenance.
(Refer to Fig.5-1 and Fig.5-2)
- The outlet and the inlet are not impeded, and the influence of external air is the least.
- The air flow can reach throughout the room.
- The connecting pipe and drainpipe could be extracted out easily.
- There is no direct radiation from heaters.



CAUTION

Keep indoor unit, outdoor unit, power supply wiring and transmission wiring at least 1 meter away from televisions and radios. This is to prevent image interference and noise in those electrical appliances. (Noise may be generated depending on the conditions under which the electric wave is generated, even if 1 meter is kept.)

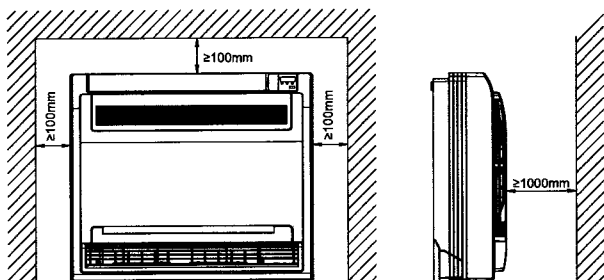


Fig.5-1

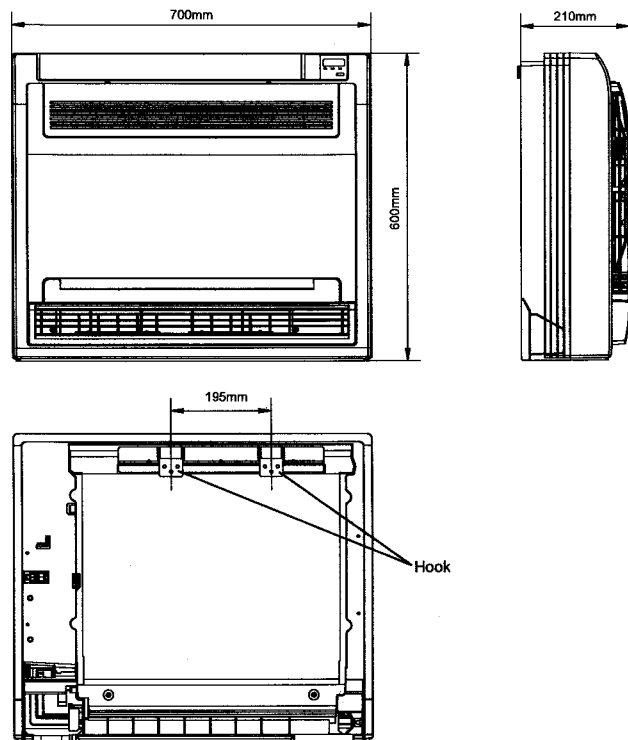


Fig.5-2

5.2 Install the main body

- Fix the hook with tapping screw onto the wall. (Refer to Fig.5-3)

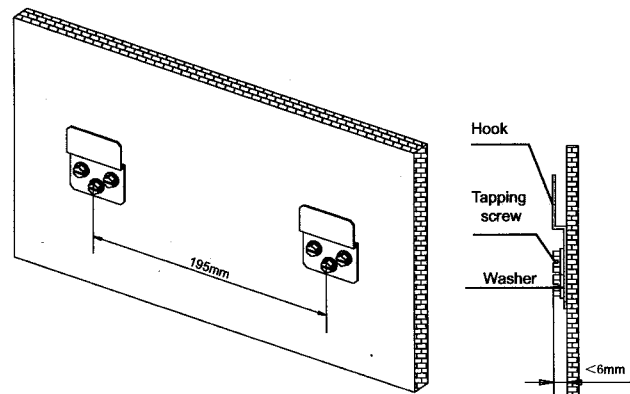


Fig.5-3

- Hang the indoor unit on the hook.
(The bottom of body can touch with floor or suspended, but the body must install vertically.)

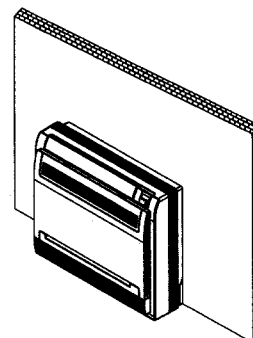


Fig.5-4

6. OUTDOOR UNIT INSTALLATION

6.1 Installation Place

■ The outdoor unit should be installed in the location that meets the following requirements:

- There is enough room for installation and maintenance.
- The air outlet and the air inlet are not impeded, and can not be reached by strong wind.
- It must be a dry and well ventilating place.
- The support is flat and horizontal and can stand the weight of the outdoor unit. And will no additional noise or vibration.
- Your neighborhood will not feel uncomfortable with the noise or expelled air.
- It is easy to install the connecting pipes or cables.
- Determine the air outlet direction where the discharged air is not blocked.
- There is no danger of fire due to leakage of inflammable gas.
- The piping length between the outdoor unit and the indoor unit may not exceed the allowable piping length.
- In the case that the installation place is exposed to strong wind such as a seaside, make sure the fan operating properly by putting the unit lengthwise along the wall or using a dust or shield. (Refer to Fig.6-1)
- If possible, do not install the unit where it is exposed to direct sunlight.
- If necessary, install a blind that does not interfere with the air flow.
- During the heating mode, the water drained off the outdoor unit, The condensate should be well drained away by the drain hole to an appropriate place, so as not to interfere other people.
- Select the position where it will not be subject to snow drifts, accumulation of leaves or other seasonal debris. If unavoidable, please cover it with a shelter.
- Locate the outdoor unit as close to the indoor unit as possible.
- If possible, please remove the obstacles nearby to prevent the performance from being impeded by too little of air circulation.
- The minimum distance between the outdoor unit and obstacles described in the installation chart does not mean that the same is applicable to the situation of an airtight room. Leave open two of the three directions. (Refer to Fig.6-4)

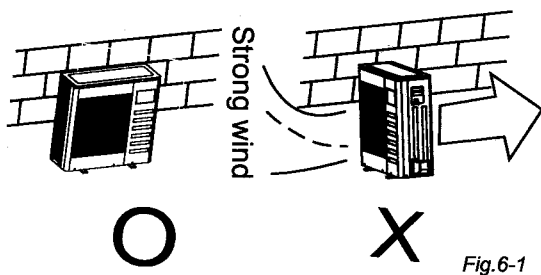


Fig.6-1



NOTE

All the pictures in this manual are for explanation purpose only. They may be slightly different from the air conditioner you purchased (depend on model). The actual shape shall prevail.

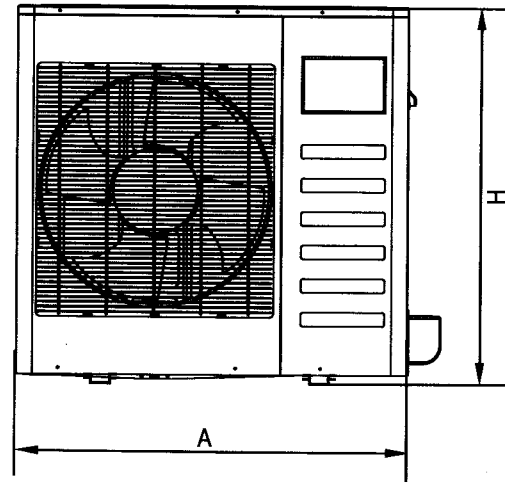


Fig.6-2

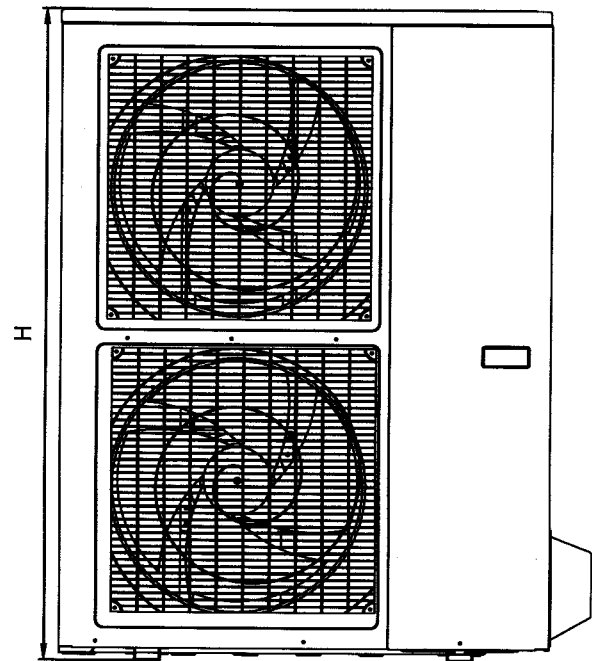


Fig.6-3

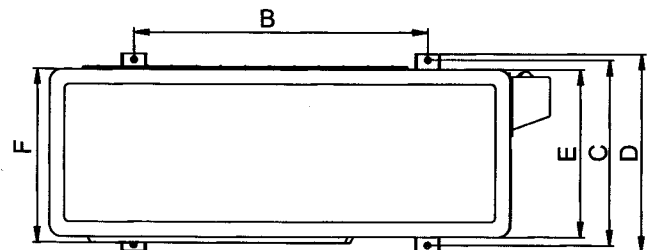


Fig.6-4

Table 6-1

mm

CAPACITY (Btu/h)	A	B	C	D	E	F	H
12000	761	530	290	315	270	279	593
18000	842	560	335	360	312	324	695

Refer to Fig.6-2~Fig.6-4

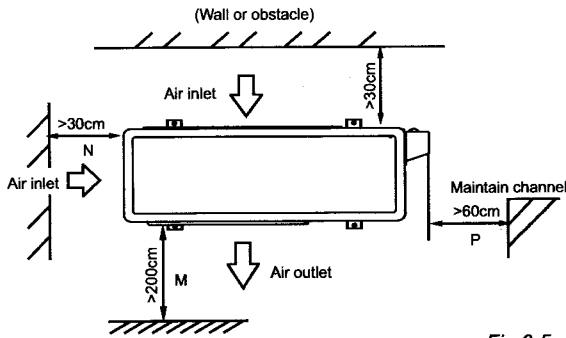


Fig.6-5



NOTE

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6.2 Moving and installation

- Since the gravity center of the unit is not at its physical center, so please be careful when lifting it with a sling.
- Never hold the inlet of the outdoor unit to prevent it from deforming.
- Do not touch the fan with hands or other objects.
- Do not lean it more than 45°, and do not lay it sidelong.
- Make concrete foundation according to the specifications of the outdoor units. (Refer to Fig.6-6)
- Fasten the feet of this unit with bolts firmly to prevent it from collapsing in case of earthquake or strong wind. (Refer to Fig.6-6)

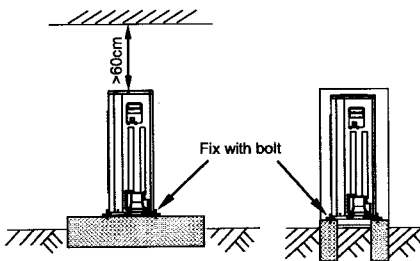


Fig.6-6



NOTE

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7. INSTALL THE CONNECTING PIPE

Check whether the height drop between the indoor unit and outdoor unit, the length of refrigerant pipe, and the number of the bends meet the following requirements:

Table 7-1

Capacity(Btu/h)	12000	18000
The max height drop	5m	10m
The length of refrigerant pipe	Less than 10m	Less than 20m
The number of bends	Less than 5	Less than 8

7.1 The Procedure of Connecting Pipes



CAUTION

All field piping must be provided by a licensed refrigeration technician and must comply with the relevant local and national codes. Do not let air, dust, or other impurities fall in the pipe system during the time of installation. The connecting pipe should not be installed until the indoor and outdoor units have been fixed already. Keep the connecting pipe dry, and do not let moisture in during installation. Execute heat insulation work completely on both sides of the gas piping and the liquid piping. Otherwise, this can sometimes result in water leakage.

- 1 Drill a hole in the wall (suitable just for the size of the wall conduit), then set on the fittings such as the wall conduit and its cover.
- 2 Bind the connecting pipe and the cables together tightly with binding tapes. Pass the bound connecting pipe through the wall conduit from outside. Be careful of the pipe allocation to do no damage to the tubing.
- 3 Connect the pipes. Refer to "How to Connect the pipes" for details.
- 4 Expel the air with a vacuum pump. Refer to "How to expel the air with a vacuum pump" for details.
- 5 open the stop valves of the outdoor unit to make the refrigerant pipe connecting the indoor unit with the outdoor unit in fluent flow.
- 6 Check the leakage. Check all the joints with the leak detector or soap water.
- 7 Cover the joints of the connecting pipe with the soundproof / insulating sheath (fittings), and bind it well with the tapes to prevent leakage.



CAUTION

Be sure to with insulating materials cover all the exposed parts of the flare pipe joints and refrigerant pipe on the liquid-side and the gas-side. Ensure that there is no gap between them. Incomplete insulation may cause water condensation.

■ How to take indoor unit apart to connect the pipes

1 Open the front panel

- Slide the two stoppers on the left and right sides inward until they click. (Refer to Fig.7-1)

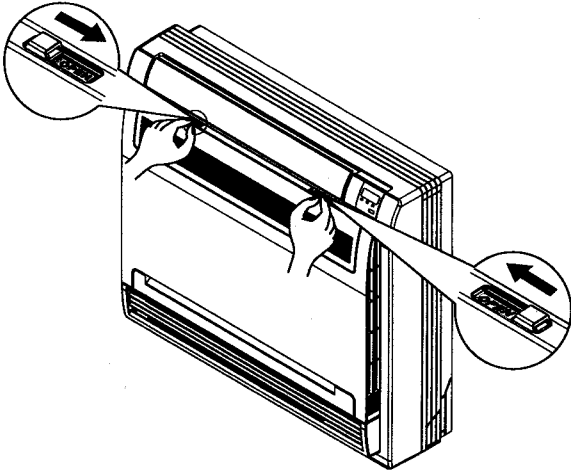


Fig.7-1

2 Remove the front panel .

- Remove the string. (Refer to Fig.7-2)
- Allowing the front panel to fall forward will enable you to remove it.

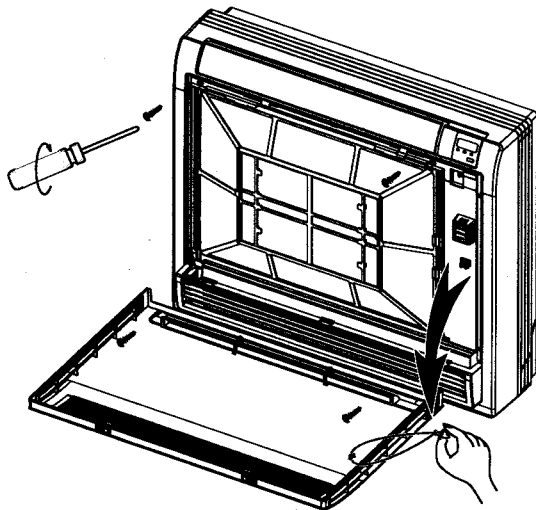


Fig.7-2

3 Remove the face plate .

- Remove the four screws. (Refer to Fig.7-3)
- Opening bottom of face plate for a angle that is 30 degrees, then the top of face plate will be take up. (Refer to Fig.7-3).

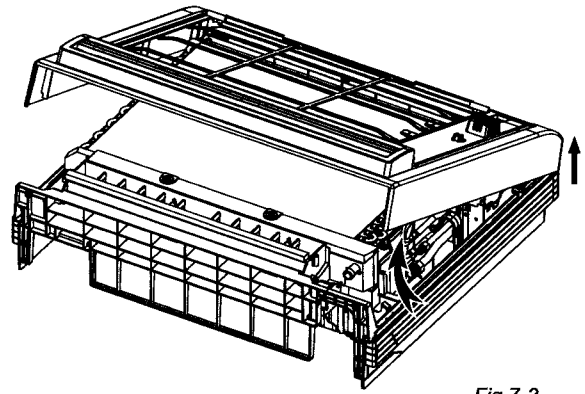


Fig.7-3

■ How to take outdoor unit apart to connect the pipes

Remove the water tray (Refer to Fig.7-4)

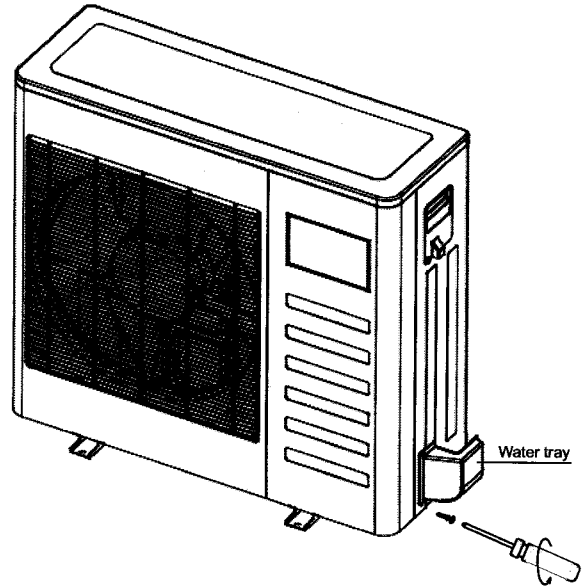


Fig.7-4

■ How to Connect the pipes

1 Flaring

- Cut a pipe with a pipe cutter. (Refer to Fig.7-5)

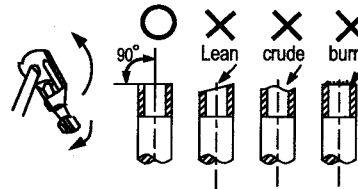


Fig.7-5

- Insert a flare nut into a pipe and flare the pipe.
- Refer to Table 7-2 for the dimension of flare nut spaces.

Table 7-2

Pipe gauge	Tightening torque	Flare dimensin A min (mm) max	Flare shape
Ø6.4	15~16 N.m (153~163 kgf.cm)	8.3 8.7	
Ø9.5	25~26 N.m (255~265 kgf.cm)	12.0 12.4	
Ø12.7	35~36 N.m (357~367 kgf.cm)	15.4 15.8	
Ø15.9	45~47 N.m (459~480 kgf.cm)	18.6 19.0	
Ø19.1	65~67 N.m (663~684 kgf.cm)	22.9 23.3	

2 Connect the indoor unit at first, then the outdoor unit.

- Bend the tubing in proper way. Do not harm to them.

Bend the pipe with thumb



Fig.7-6

- The bending angle should not exceed 90°.
- Bending position is preferably in the middle of the bendable pipe. The larger the bending radius the better it is.
- Do not bend the pipe more than three times.
- When connecting the flare nut, coat the flare both inside and outside with either oil or ester oil and initially tighten by hand 3 or 4 turns before tightening firmly.

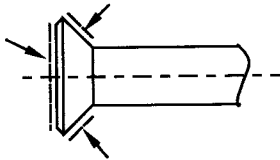


Fig.7-7

- Be sure to use both a spanner and torque wrench together when connecting or disconnecting pipes to /from the unit.

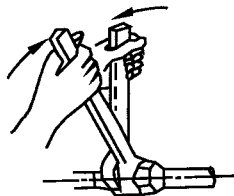


Fig.7-8



CAUTION

Too large torque will harm the bellmouthing and too small will cause leakage. Please determine the torque according to Table 4.

After the connecting work is finished, be sure to check that there is no gas leak.

■ How to expel the air with a vacuum pump

• Stop valve operation introduction

1. Opening stop valve

- Remove the cap and turn the valve counterclock-wise with the hexagon wrench.
- Turn it until the shaft stops. Do not apply excessive force to the stop valve. Doing so may break the valve body, as the valve is not a backseat type. Always use the special tool.
- Make sure to tighten the cap securely.

2. Closing stop valve

- Remove the cap and turn the valve clockwise with the hexagon wrench.
- Securely tighten the valve until the shaft contacts the main body seal.

Make sure to tighten the cap securely.
For the tightening torque, refer to the table below.

Table 7-3

Tightening torque N·M (Turn clockwise to close)				
Stop Valve size	Shaft (valve body)		Cap (Valve lid)	Maintenance nut
Ø6.4	5.4~6.6	Hexagonal wrench 4 mm	13.5~16.5	11.5~13.9
Ø9.5			18~22	
Ø12.7	8.1~9.9	Hexagonal wrench 6 mm	23~27	
Ø15.9	13.5~16.5		36~44	
Ø22.2	27~33	Hexagonal wrench 10 mm	36~44	
Ø25.4				



CAUTION

Always use a charge hose for service port connection.

After tightening the cap, check that no refrigerant leaks are present.

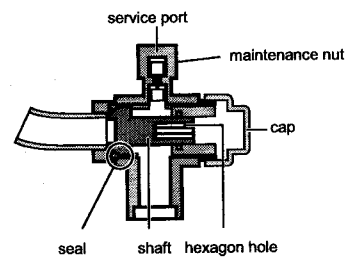


Fig.7-9

• Using the vacuum pump

- Loosen and remove the maintenance nuts of stop valves A and B, and connect the charge hose of the manifold valve to the service port of stop valve A. (Be sure that stop valves A and B are both closed)
- Connect the joint of the charge hose with the vacuum pump.
- Open the Lo-lever of the manifold valve completely.
- Turn on the vacuum pump. At the beginning of pumping, loosen the maintenance nut of stop valve B a little to check whether the air comes in (the sound of the pump changes, and the indicator of compound meter turns below zero). Then fasten the maintenance nut.
- When the pumping has finished, close the Lo-lever of the manifold valve completely and turn off the vacuum pump. Make pumping for 15 minutes or more and check that the compound meter indicates $-76\text{cmHg}(-1 \times 10^5\text{Pa})$
- Loosen and remove the cap of stop valves A and B to open stop valve A and B completely, then fasten the cap.
- Disassemble the charge hose from the service port of stop valve A, and fasten the nut.

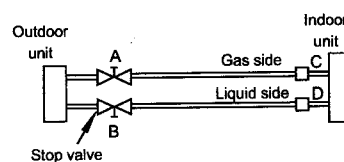


Fig.7-10

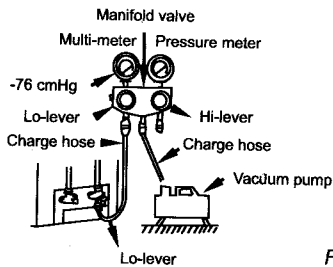


Fig.7-11

7.2 Additional Refrigerant Charge



CAUTION

Refrigerant cannot be charged until field wiring has been completed.

Refrigerant may only be charged after performing the leak test and the vacuum pumping.

When charging a system, care shall be taken that its maximum permissible charge is never exceeded, in view of the danger of liquid hammer.

Charging with an unsuitable substance may cause explosions and accidents, so always ensure that the appropriate refrigerant is charged.

Refrigerant containers shall be opened slowly.

Always use protective gloves and protect your eyes when charging refrigerant.

- The outdoor unit is factory charged with refrigerant. Calculate the added refrigerant according to the diameter and the length of the liquid side pipe of the outdoor unit/indoor unit connection.

Table 7-4

R(g) L(m)	D(mm)	Ø6.4	Ø9.5	Ø12.7
		Less than 5m (One-way)	R22	—
	R410A	—	—	—
Added Refrigerant When Over 5m(One-way)	R22	15g/m×L	30g/m×L	60g/m×L
	R410A	11g/m×(L-5)	30g/m×(L-5)	60g/m×(L-5)

R(g): Additional refrigerant to be charged

L(m): The length of the refrigerant pipe(one-way)

D(mm): Liquid Side Piping Diameter



NOTE

If a negative result is gotten for R from the formulæ at right, no refrigerant needs to be added nor removed.

8. CONNECT THE DRAIN PIPE

Install the drainpipe of the indoor unit

The outlet has PTI screw thread, Please use sealing materials and pipe sheath(fitting) when connecting PVC pipes.



CAUTION

The drain pipe of indoor unit must be heat insulated, or it will condense dew, as well as the connections of the indoor unit.

- Hard PVC binder must be used for pipe connection, and make sure there is no leakage.
- With the connection part to the indoor unit, please be noted not to impose pressure on the side of indoor unit pipes.
- When the declivity of the drain pipe downwards is over 1/100, there should not be any winding.
- The total length of the drain pipe when pulled out transversely shall not exceed 20m, when the pipe is over long, a prop stand must be installed to prevent winding.
- Refer to the figures on the right for the installation of the pipes.

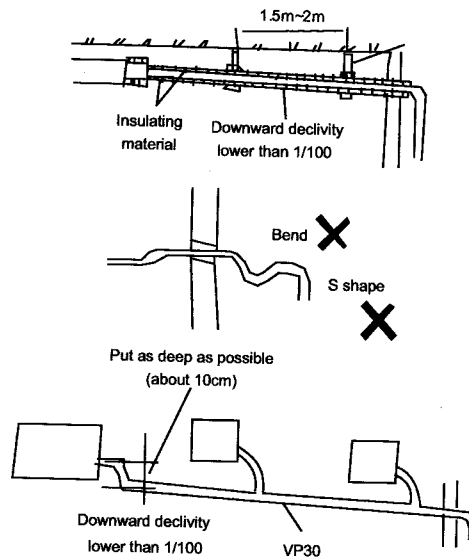


Fig. 8-1

Drainage test

- Check whether the drainpipe is unhindered.
- New built house should have this test done before paving the ceiling.

Install the drain joint of the outdoor unit

Fit the seal into the drain joint, then insert the drain joint into the base pan hole of outdoor, rotate 90° to securely assemble them. Connect the drain joint with an extension drain hose (Locally purchased), in case of the condensate draining off the outdoor unit during the heating mode.(Refer to Fig.8-2)

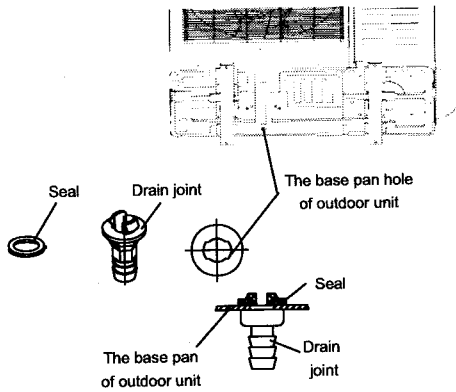


Fig.8-2

NOTE

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9. WIRING

CAUTION

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

The air conditioner should use separate power supply with rated voltage.

The external power supply to the air conditioner should have ground wiring, which is linked to the ground wiring of the indoor and outdoor unit.

The wiring work should be done by qualified persons according to circuit drawing.

An all-pole disconnection device which has at least 3mm separation distance in all pole and a residual current device (RCD) with the rating of above 10mA shall be incorporated in the fixed wiring according to the national rule.

Be sure to locate the power wiring and the signal wiring well to avoid cross-disturbance.

Do not turn on the power until you have checked carefully after wiring.

NOTE

Remark per EMC Directive 89/336/EEC
For to prevent flicker impressions during the start of the compressor (technical process), following installation conditions do apply.

- 1 The power connection for the air conditioner has to be done at the main power distribution. The distribution has to be of a low impedance, normally the required impedance reaches at a 32 A fusing point.
- 2 No other equipment has to be connected with this power line.
- 3 For detailed installation acceptance please refer to your power supplier, if restrictions do apply for products like washing machines, air conditioners or electrical ovens.

4 For power details of the air conditioner refer to the rating plate of the product.

5 For any question contact your local dealer.

9.1 Connect the cable

- The installation bearer of sensing device rotated to another side, and then takes off cover of electrical box. (Take off the electrical box if the capacity is 18000btu/h as well as using network function.)
(Refer to Fig.9-1)

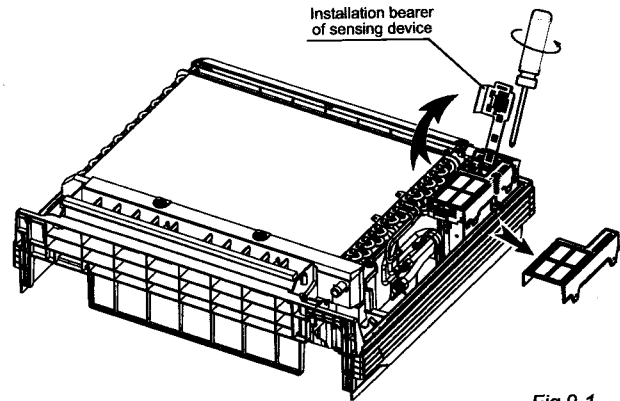


Fig.9-1

- Disassemble the bolts from the cover. (If there isn't a cover on the outdoor unit, disassemble the bolts from the maintenance board, and pull it in the direction of the arrow to remove the protection board.)
(Refer to Fig.9-2)

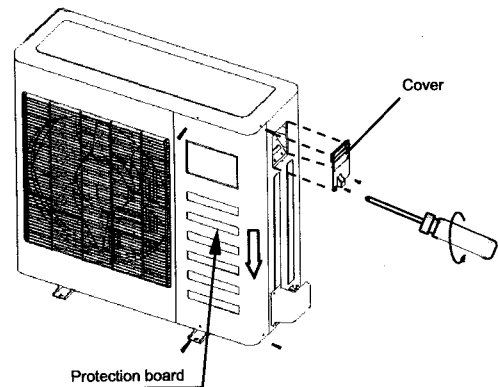


Fig.9-2

NOTE

All the pictures in this manual are for explanation purpose only. They may be slightly different from the air conditioner you purchased (depend on model). The actual shape shall prevail.

- Connect the connective cables to the terminals as identified with their respective matched numbers on the terminal block of indoor and outdoor units.
- Re-install the Indoor unit and outdoor unit

9.2 The Specification of Power

(Refer to Table 9-2)

9.3 Wiring figure

(Refer to Fig9-4~Fig9-7)

9.4 Network address set

(Only unit of 18000Btu/h haso the function that Network address set.)

Every air-conditioner in network has only one network address to distinguish each other. Address code of air-conditioner in LAN is set by code switches S1 & S2 on the Main Control Board of the indoor unit, and the set range is 0-63.

Table 9-1

Toggle switch set			Network address code
S1	S2		
		~	00~15
		~	16~31
		~	32~47
		~	48-63

10. TEST OPERATION

- 1 The test operation must be carried out after the entire installation has been completed.
- 2 Please confirm the following points before the test operation:
 - The indoor unit and outdoor unit are installed properly.
 - Tubing and wiring are correctly completed.
 - The refrigerant pipe system is leakage-checked.
 - The drainage is unimpeded.
 - The heating insulation works well.
 - The ground wiring is connected correctly.
 - The length of the tubing and the added stow capacity of the refrigerant have been recorded.
 - The power voltage fits the rated voltage of the air conditioner.
 - There is no obstacle at the outlet and inlet of the outdoor and indoor units.
 - The gas-side and liquid-side stop valves are both opened.
 - The air conditioner is pre-heated by turning on the power.
- 3 According to the user's requirement, install the remote controller frame where the remote controller's signal can reach the indoor unit smoothly.
- 4 Test operation
 - Set the air conditioner under the mode of "COOLING" with the remote controller, and check the following points. If there is any malfunction, please resolve it according to the chapter "Troubleshooting" in the "Owner's Manual".
 - 1) The indoor unit
 - a. Whether the switch on the remote controller works well.
 - b. Whether the buttons on the remote controller works well.
 - c. Whether the air flow louver moves normally.
 - d. Whether the room temperature is adjusted well.
 - e. Whether the indicator lights normally.
 - f. Whether the temporary buttons works well.
 - g. Whether the drainage is normal.
 - h. Whether there is vibration or abnormal noise during operation.
 - i. Whether the air conditioner heats well in the case of the HEATING/COOLING type.
 - 2) The outdoor unit
 - a. Whether there is vibration or abnormal noise during operation.
 - b. Whether the generated wind, noise, or condensed of by the air conditioner have influenced your neighborhood.
 - c. Whether any of the refrigerant is leaked.



CAUTION

A protection feature prevents the air conditioner from being activated for approximately 3 minutes when it is restarted immediately after shut off.

The Specification of Power

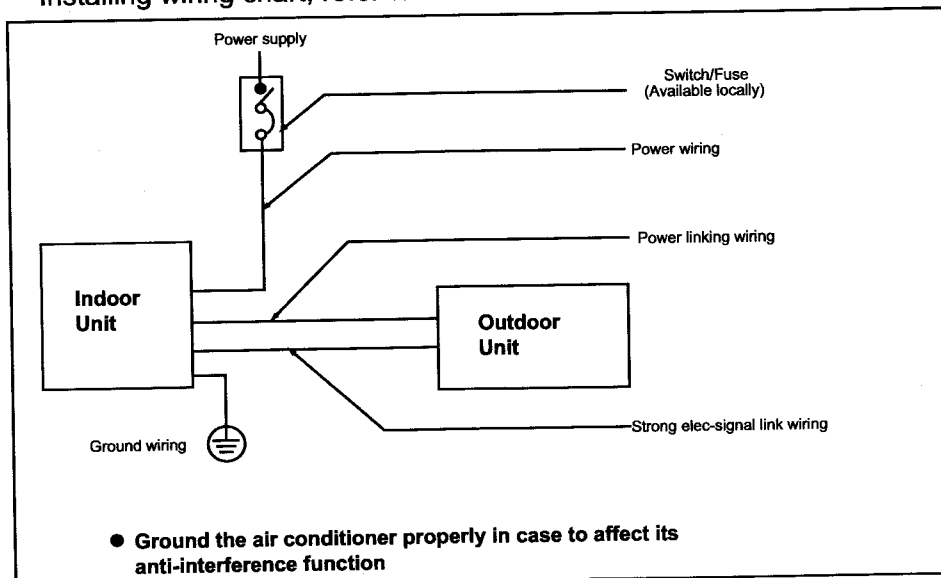
Table 9-2

TYPE(for R22)		12000Btu/h (Cooling & Heating)	18000Btu/h (Cooling & Heating)	
POWER	PHASE	1-PHASE	1-PHASE	
	FREQUENCY AND VOLT	220-240V~, 50Hz	220-240V~, 50Hz	
CIRCUIT BREAKER/FUSE (A)		20/16	20/16	
INDOOR UNIT POWER WIRING(mm ²)		3x1.5	—	
INDOOR/OUTDOOR CONNECTING WIRING (mm ²)	GROUND WIRING	1.5	2.5	
	OUTDOOR UNIT POWER WIRING	—	3x2.5	
	STRONG ELECTRIC SIGNAL	4x1.5	3x1.5	
	WEAK ELECTRIC SIGNAL	—	3x0.5	

Wiring figure

■ Fig.9-4

Installing wiring chart, refer to link circuit chart for details.

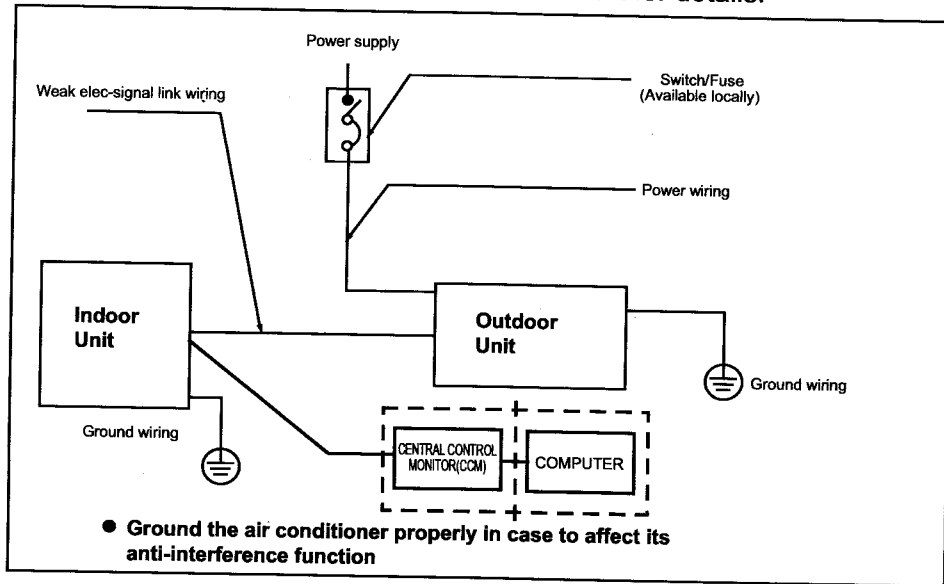


- Ground the air conditioner properly in case to affect its anti-interference function

(For 12000Btu/h)

■ Fig.9-5

Installing wiring chart, refer to link circuit chart for details.



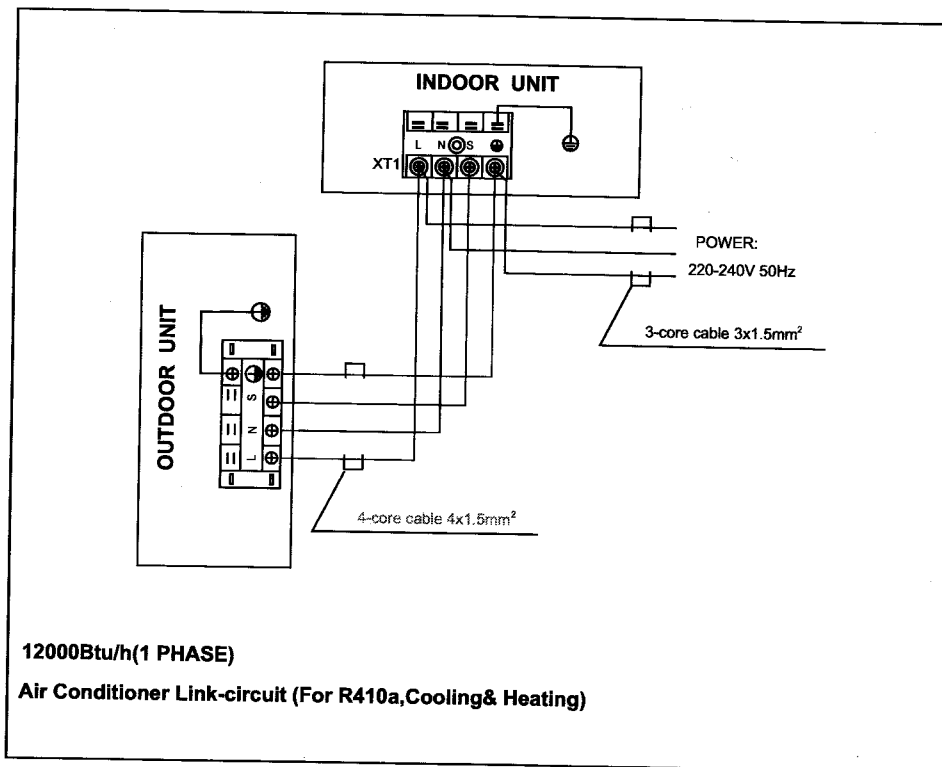
(For 18000Btu/h)



CAUTION

When wiring, please choose the corresponding chart, or it may cause damage.

■ Fig.9-6



■ Fig.9-7

