

Read the precautions in this manual carefully before operating the unit.



This appliance is filled with R32.

Keep this manual where the user can easily find it.

WARNING:

- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance must be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odour.
- The appliance must be installed, operated and stored in a room with a floor area larger than 3 m².
- 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.
- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mentao capabilities or lack of experience and knowledge if they have been given superivision or instruction concering 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.
- The wiring method should be in line with the local wiring standard.
- All the cables shall have got the European authentication certificate. During installation, when the connecting cables break off, it must be assured that the grouding wire is the last one to be broken off. The explosion-proof breaker of the air conditioner should be all-pole switch. Distance between its two
- contacts should not be no less than 3mm. Such means for disconnection must be incorporated in the wiring.
- Make sure installation is done according to local wiring regulation by professional persons.
- Make sure ground connection is correct and reliable.
- A leakage explosion-proof breaker must be installed.
- Do not use a refrigerant other than the one indicated on the outdoor unit(R32) when installing, moving or repairing. Using other refrigerants may cause trouble or damage to the unit, and personal injury.



No fire source around the place of installation





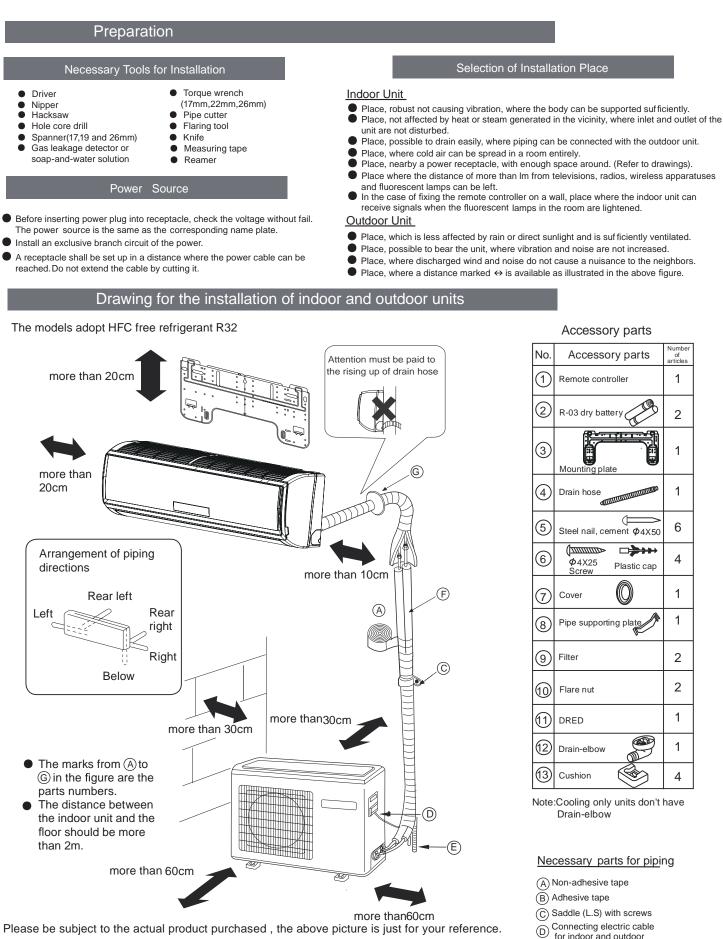


Read operator' manual

Read technical manual

Operator' manual; operating instructions

Installation Manual of Room Air Conditioner



Please be subject to the actual product purchased, the above picture is just for your reference.

Read this manual before installation

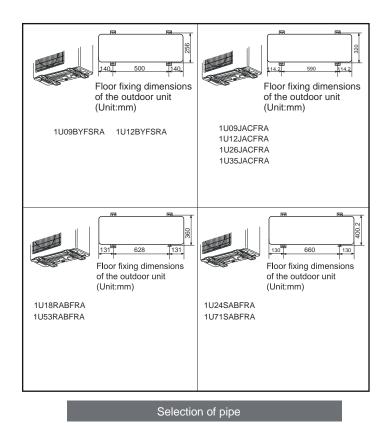
Explain sufficiently the operating means to the user according to this manual

for indoor and outdoor

(F) Heating insulating material

E Drain hose

G Piping hole cover



	Liquid pipe	Ф 6.35x0.8mm
FOR 09K 12K	Gas pipe	\oplus 9.52x0.8mm
FOR 18K	Liquid pipe	Φ 6.35x0.8mm
	Gas pipe	Ф 12.7x0.8mm
FOR 24K	Liquid pipe	Ф 6.35x0.8mm
	Gas pipe	

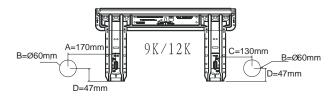
Indoor unit

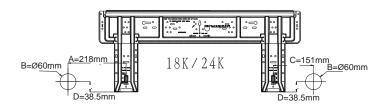
Fitting of the Mounting Plate and Positioning of the wall Hole

When the mounting plate is first fixed

 Carry out, based on the neighboring pillars or lintels, a proper leveling for the plate to be fixed against the wall, then temporarily fasten the plate with one steel nail.

- Make sure once more the proper level of the plate, by hanging a thread with a weight from the central top of the plate, then fasten securely the plate with the attachment steel nail.
- 3. Find the wall hole location A using a measuring tape

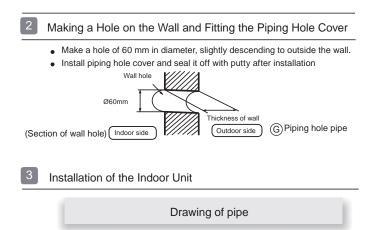




When the mounting plate is fixed side bar and lintel

• Fix to side bar and lintel a mounting bar, Which is separately sold, and then fasten the plate to the fixed mounting bar.

Refer to the previous article, "When the mounting plate is first fixed ", for the position of wall hole.



[Rear piping]

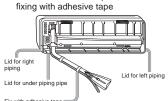
Draw pipes and the drain hose, then fasten them with the adhesive tape

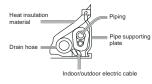
- [Left · Left-rear piping]
 - In case of left side piping, cut away, with a nipper, the lid for left piping.
 - In case of left-rear piping, bend the pipes according to the piping direction to the mark of hole for left-rear piping which is marked on heat insulation materials.

1. Insert the drain hose into the dent of heat insulation materials of indoor unit.

 Insert the indoor/outdoor electric cable from backside of indoor unit, and pull it out on the front side, then connect, them

Coat the flaring seal face with refrigerant oil and connect pipes.
 Cover the connection part with heat insulation materials closely, and make sure





Fix with adhesive tape

Indoor/outdoor electric cable and drain hose must be bound with refrigerant piping by protecting tape.

[Other direction piping]

- Cut away, with a nipper, the lid for piping according to the piping direction and then bend the pipe according to theposition of wall hole. When bending, be careful not to crash pipes.
- Connect beforehand the indoor/outdoor electric cable, and then pull out the connected to the heat insulation of connecting part specially.

Fixing the indoor unit body

• Hang surely the unit body onto the upper notches of the mounting plate. Move the body from side to side to verify its secure fixing.



mounting plate

• In order to fix the body onto the mounting plate,hold up the body aslant from the underside and then put it down perpendicularly.

Unloading of indoor unit body

• When you unload the indoor unit,please use your hand to arise the body to leave agraffe, then lift the bottom of the body outward slightly and lift the unit aslant until it leaves the mounting plate.

agraffe mounting plate

Connecting the indoor/outdoor Electric Cable

Removing the wiring cover

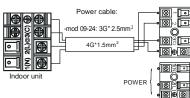
Remove terminal cover at right bottom corner of indoor unit, then take off wiring cover by removing its screws.

When connecting the cable after installing the indoor unit

- 1. Insert from outside the room cable into left side of the wall hole, in which the pipe has already existed.
- 2. Pull out the cable on the front side, and connect the cable making a loop.

When connecting the cable before installing the indoor unit

- Insert the cable from the back side of the unit, then pull it out on the front side.
- Loosen the screws and insert the cable ends fully into terminal block, then tighten the screws
- Pull the cable slightly to make sure the cables have been properly inserted and tightened
- After the cable connection, never fail to fasten the connected cable with the wiring cover.



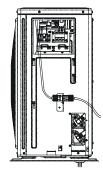
Note:

When connecting the cable, confirm the terminal number of indoor and outdoor units carefully. If wiring is not correct, proper operation can not be carried out and will cause defect.

> ≥ 4G*1.5mm⁴ Connecting wiring

- 1. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person. The type of connecting wire is H05RN-F or H07RN-F.
- 2. If the fuse on PC board is broken please change it with the type of T. 3.15A/250V.
- 3. The wiring method should be in line with the local wiring standard.
- 4. After installation, the power plug should be easily reached.
- 5. A breaker should be incorporated into fixed wiring. The breaker should be all-pole switch and the distance between its two contacts should be not less than 3mm.

6.Please consult your reseller and/or installer to determine if you have a DRED appliance. Connect output from your home's electricity power meter (where available) to the RJ45 connector on the outdoor unit, as shown. (This function is unavailable on some models.)



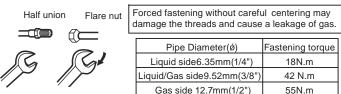
Outdoor unit

Installation of Outdoor Unit

Install according to Drawing for the installation of indoor and outdoor units

Connection of pipes

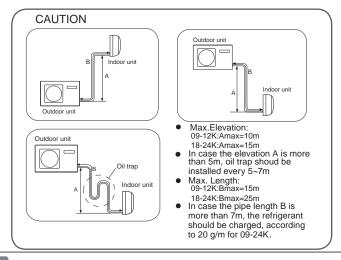
- To bend a pipe, give the roundness as large as possible not to crush the pipe, and the bending radius should be 30 to 40 mm or longer.
- Connecting the pipe of gas side first makes working easier.
- The connection pipe is specialized for R410A.



Spanner Toraue wrench

Pipe Diameter(ø)	Fastening torque
Liquid side6.35mm(1/4")	18N.m
Liquid/Gas side9.52mm(3/8")	42 N.m
Gas side 12.7mm(1/2")	55N.m
Gas side 15.88mm(5/8")	60 N.m

Be careful that matters, such as wastes of sands, etc. shall not enter the pipe. The standard pipe length is 5m. If it is over 7m, the function of the unit will be affected. If the pipe has to be lengthened, the refrigerant should be charged, according to 20 g/m. But the charge of refrigerant must be conducted by profes-sional air conditioner engineer. Before adding additional refrigerant, perform air purging from the refrigerant pipes and indoor unit using a vacuum pump, then charge additional refrigerant.



Connection

- Use the same method on indoor unit. Loosen the screws on terminal block and insert the plugs fully into terminal block, then tighten the screws
- Insert the cable according to terminal number in the same manner as the indoor unit
- If wiring is not correct, proper operation can not be carried out and controller
- may be damaged.
 Fix the cable with a clamp.

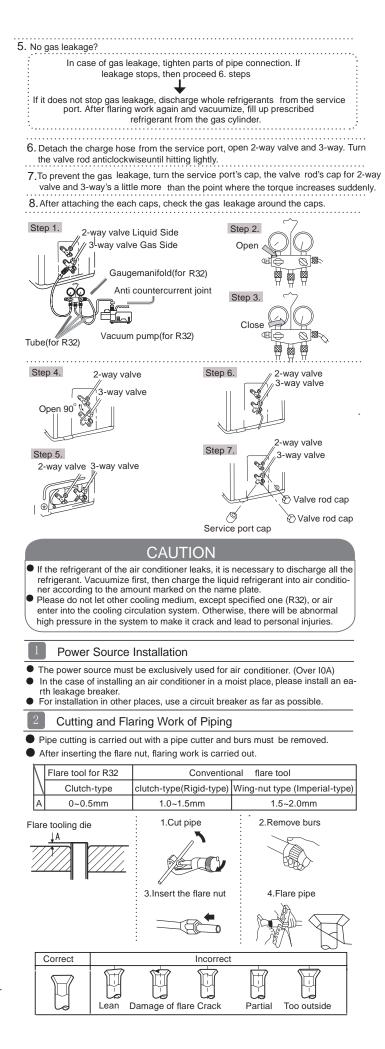
Attaching Drain-Elbow

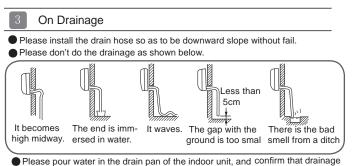
If the drain-elbow is used. please attach it as figure. (Note: Only for heat pump unit.)



Purging Method: To use vacuum pump

- 1. Detach the service port's cap of 3-way valve, the valve rod's cap for 2-way valve and 3-way's, connect the service port into the projection of charge hose (low) for gaugemanifold. Then connect the projection of charge hose (center) for gaugemanifold into vacuum pump.
- 2. Open the handle at low in gaugemanifold, operate vacuum pump. If the scalemoves of gause (low) reach vacuum condition in a moment, check 1. again.
- 3. Vacuumize for over 15min. And check the level gauge which should read -0.1MPa (76 cm Hg) at low pressure side. After the completion of vacuumizing, close the handle 'Lo' in gaugemanifold and stop the operation of the vacuum pump. Check condition of the scale and hold it for 1-2min. If the scale-moves back in spite of tightening, make flaring work again, the return to the beginning of 3 .
- 4. Open the valve rod for the 2-way valve to an angle of anticlockwise 90 degrees. After 6 seconds, close the 2-way valve and make the inspection of gas leakage.

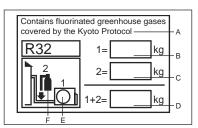




is carried out surely to outdoor. In case that the attached drain hose is in a room, please apply heat insulation to

In case that the attached drain hose is in a room, please apply heat insulation to it without fail.

Refrigerant charge label



This product contains fluorinated greenhouse gases covered by the Kyoto Protocol. Do not vent into the atmosphere. Refrigerant type:R32

GWP* value:675

GWP=global warming potential

Please fill in with indelible ink,

- 1 the factory refrigerant charge of the product
- 2 the additional refrigerant amount charged in the field and • 1+2 the total refrigerant charge
- on the refrigerant charge label supplied with the product.

The filled out label must be adhered in the proximity of the product charging port (e.g. onto the inside of the stop value cover).

A contains fluorinated greenhouse gases covered by the Kyoto Protocol

- B factory refrigerant charge of the product: see unit name plate
- C additional refrigerant amount charged in the field
- D total refrigerant charge
- E outdoor unit
- F refrigerant cylinder and manifold for charging

Check for Installation and Test Run

Please kindly explain to our customers how to operate through the instruction manual.

Check Items for Test Run

Put check mark in boxes

- Gas leak from pipe connecting?
- Heat insulation of pipe connecting?
- Are the connecting wirings of indoor and outdoor firmly inserted to the terminal block?
- Is the connecting wiring of indoor and outdoor firmly fixed?
- Is drainage securely carried out?
- Is the earth line securely connected?
- Is the indoor unit securely fixed?
- □ Is power source voltage abided by the code?
- □Is there any noise? □Is the lamp normally lighting?
- Are cooling and heating (when in heat pump) performed normally?
- Is the operation of room temperature regulator normal?