DAIKIN

DAIKIN ROOM AIR CONDITIONER 3P484684-3A M17P011A

OPERATION MANUAL

(The Installation Manual is on the back side.)

MODELS: STK24SRV16

Safety Precautions

- Keep this manual where the user can easily find it.
- Read the precautions in this manual carefully before operating the unit.
- The precautions described herein are classified as WARNING and CAUTION. They both contain important information regarding safety. Be sure to observe all precautions without fail.

⚠ WARNING
Failure to follow these instructions properly may result in personal injury or loss of life.
⚠ CAUTION
Failure to follow these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

Never attempt.

Be sure to follow the instructions.

Be sure to establish an earth connection.

- After reading, keep this manual in a convenient place so that you can refer to it whenever necessary. If the equipment is transferred to a new user, be sure also to hand over the manual.

⚠ WARNING

- To avoid fire, explosion or injury, do not operate the unit when harmful gases (e.g. flammable or corrosive) are detected near the unit.
- Be aware that prolonged, direct exposure to cool air from the air conditioner, or to air that is too cool, can be harmful to your physical condition and health.
- Do not place objects, including rods, your fingers, etc., in the air inlet or outlet. Product damage may result due to contact with the air conditioner's high-speed fan blades.
- Do not attempt to repair, dismantle, reinstall or modify the air conditioner yourself as this may result in water leakage, electric shock or fire hazards.
- Do not use flammable spray near the air conditioner, or otherwise fire may result.
- 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.
- To avoid electric shock, do not operate with wet hands.
- Beware of fire in case of refrigerant leakage. If the air conditioner is not operating correctly, i.e. not generating cool air, refrigerant leakage could be the cause. Consult your service centre for assistance. The refrigerant within the air conditioner is safe and normally does not leak. However, in the event of a leakage, contact with a naked burner, heater or cooker may result in generation of noxious gas. Do not use the air conditioner until a qualified service person confirms that the leakage has been repaired.
- Do not attempt to install or repair the air conditioner yourself. Improper workmanship may result in water leakage, electric shock or fire hazards. Please contact your local service centre or qualified personnel for installation and maintenance work.
- If the air conditioner is malfunctioning (giving off a burning odour, etc.), turn off power to the unit and contact your local service centre. Continued operation under such circumstances may result in a failure, electric shock or fire hazards.
- Be sure to install an earth leakage circuit breaker. Failure to install the earth leakage circuit breaker may result in electric shock or fire.
- Be sure to earth the unit. Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead. Imperfect earthing may result in electric shock.

⚠ CAUTION

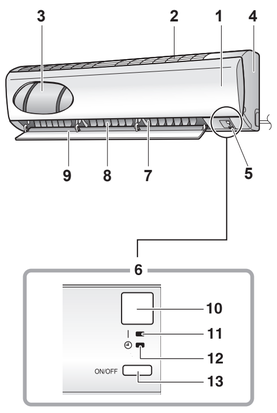
- Do not use the air conditioner for purposes other than those for which it is intended. Do not use the air conditioner for cooling precision instruments, food, plants, animals or works of art as this may adversely affect the performance, quality and/or longevity of the object concerned.
- Do not expose plants or animals directly to the airflow from the unit as this may cause adverse effects.
- Do not place appliances that produce naked flames in places exposed to the airflow from the unit as this may impair combustion of the burner.
- Do not block the air inlets nor outlets. Impaired airflow may result in insufficient performance or trouble.
- Do not sit on the outdoor unit, put things on the unit, or pull the unit. Doing so may cause accidents, such as falling or toppling down, thus resulting in injury, product malfunctioning, or product damage.
- Do not place objects that are susceptible to moisture directly beneath the indoor or outdoor units. Under certain conditions, condensation on the main unit or refrigerant pipes, air filter dirt or drain blockage may cause dripping, resulting in fouling or failure of the object concerned.
- After prolonged use, check the unit stand and its mounts for damage. If they are left in a damaged condition, the unit may fall and cause injury.
- To avoid injury, do not touch the air inlet or aluminium fins of the indoor or outdoor units.
- The appliance is not intended for use by unattended young children or infirm persons. Impairment of bodily functions and harm to health may result.
- Children should be supervised to ensure that they do not play with the unit or its remote controller. Accidental operation by a child may result in impairment of bodily functions and harm health.
- Avoid impacts to the indoor and outdoor units, or otherwise product damage may result.
- Do not place flammable items, such as spray cans, within 1m of the air outlet. The spray cans may explode as a result of hot air from the indoor or outdoor units.
- Be careful not to let pets urinate on the air conditioner. Urination on the air conditioner may result in electric shock or fire.
- Do not wash the air conditioner with water, as this may result in electric shock or fire.
- Do not place water containers (vases, etc.) above the unit, as this may result in electric shock or fire hazards if they should topple over.
- Do not insert the batteries in the wrong polarity (+/-) orientation as this may result in short circuiting, fire, or battery leakage.
- To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.
- Before cleaning, be sure to stop unit operation and turn off the circuit breaker. Otherwise, an electric shock and injury may result.
- Only connect the air conditioner to the specified power supply circuit. Power supplies other than the one specified may result in electric shock, overheating and fires.
- Arrange the drain hose to ensure smooth drainage. Imperfect drainage may cause wetting of the building, furniture, etc.
- Do not place objects in direct proximity of the outdoor unit and do not let leaves and other debris accumulate around the unit. Leaves are a hotbed for small animals which can enter the unit. Once inside the unit, such animals can cause malfunctions, smoke or fire if they come into contact with electrical parts.
- Do not place objects around the indoor unit. Doing so may have an adverse influence on the performance, product quality, and life of the air conditioner.
- This appliance is not intended to be used by persons with reduced physical, sensory or mental capabilities, or with lack of operation knowledge, unless they have been given supervision or instruction concerning the appliance use by person responsible for their safety. Keep out of children's reach to ensure that they do not play with the appliance.

FTPK008-IN

Read before Operation

Name of Parts 1

■ Indoor Unit



1. **Front panel**
2. **Air inlet**
3. **Air filter**
4. **Model name**
5. **Indoor temperature sensor:**
   - Detects the air temperature around the unit.
6. **Display**
7. **Air outlet**
8. **Louvres (vertical blades):**
   - The louvres are inside of the air outlet.
9. **Flaps (horizontal blades)**
10. **Signal receiver:**
    - Receives signals from the remote controller.
    - When the unit receives a signal, you will hear a beep sound.

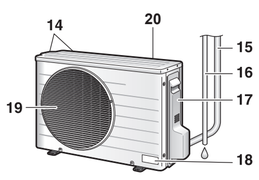
Case	Sound type
Operation start	beep-beep
Settings changed	beep
Operation stop	long beep

11. **OPERATION lamp (green)**
12. **TIMER lamp (orange)**
13. **Indoor unit ON/OFF switch:**
    - Press this switch once to start operation. Press once again to stop it.
    - For the operation mode setting, refer to the following table.

Mode	Temperature setting	Airflow rate
COOL	22°C	AUTO

    - This switch can be used when the remote controller is missing.
14. **Air inlet (back and side)**
15. **Refrigerant pipes and inter-unit wire**
16. **Drain hose**
17. **Earth terminal (inside)**
18. **Model name**
19. **Air outlet**
20. **Outdoor temperature sensor (back)**

■ Outdoor Unit

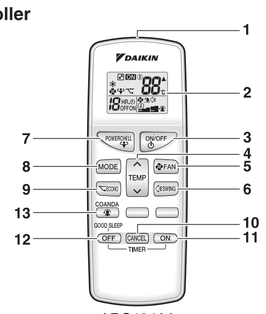


Appearance of the indoor/outdoor unit may differ between different models.

Read before Operation

Name of Parts 2

■ Remote Controller



<ARC484A6>

1. **Signal transmitter:**
   - It sends signals to the indoor unit.
2. **Display (LCD):**
   - It displays the current settings. (In this illustration, each section is shown with its displays on for the purpose of explanation.)
3. **ON/OFF button:**
   - Press this button once to start operation. Press once again to stop it.
4. **TEMPERATURE adjustment button:**
   - It changes the temperature setting.
5. **FAN setting button:**
   - It selects the airflow rate setting.
6. **SWING button:**
   - Adjusting the airflow direction.
7. **POWER CHILL button:**
   POWER CHILL operation
8. **MODE selector button:**
   - It selects the operation mode. (DRY/COOL/FAN)
9. **ECONO button**
10. **TIMER CANCEL button:**
    - It cancels the timer setting.
11. **ON TIMER button**
12. **GOOD SLEEP OFF TIMER button**
13. **COANDA button:**
    COANDA operation

NOTE

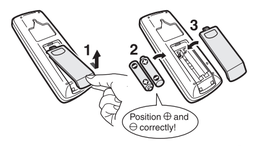
■ **Notes on remote controller**
- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult your service centre if that is the case.
- If the remote controller activates other electric devices, move them away or consult your service centre.

Read before Operation

Preparation before Operation

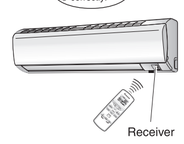
■ To set the batteries

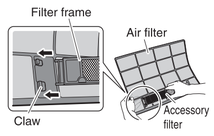
1. **Remove the back cover by sliding and then slightly lifting it.**
2. **Set 2 dry batteries (AAA).**
3. **Return the back cover to the previous position.**



■ To operate the remote controller

- To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is about 7m.





■ To install the Accessory filter

- Hold the filter frame and hook it on the 4 claws of the air filter.
- When installing the Accessory filter, refer to "**Care and Cleaning**", and pull out the air filters.

■ Turn on the circuit breaker

After the power is turned on, the flap of the indoor unit closes to set the reference position.

NOTE

■ **Tips for saving energy**
- Be careful not to cool the room too much. Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain. Blocking sunlight and air from outdoors increases the cooling effect.
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks.

■ **Notes on batteries**
- Do not use a leaking battery.
- When replacing the batteries, use batteries of the same type, and replace both old batteries together.
- When the system is not used for a long time, take the batteries out.
- If the remote controller display begins to fade and the degradation of reception performance occurs within a year, however, replace both batteries with new, dry batteries (AAA).
- The attached batteries are provided for the initial use of the system. The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

Operation

DRY · COOL · FAN Operation

The air conditioner operates with the operation mode of your choice.
From the next time on, the air conditioner will operate with the same operation mode.

■ To start operation

1. **Press MODE and select an operation mode.**
   - Each pressing of the button changes the mode setting in sequence.

   DRY → COOL → FAN

2. **Press ON/OFF.**
   - "ON" is displayed on the LCD.
   - The OPERATION lamp lights green.

■ To stop operation

3. **Press ON/OFF again.**
   - "ON" disappears from the LCD.
   - Then OPERATION lamp goes off.

■ To change the temperature setting

4. **Press TEMP.**
   - Press ∧ to raise the temperature and press ∨ to lower the temperature.

COOL operation	DRY or FAN operation
18-32°C	The temperature setting cannot be changed.

NOTE

■ **Note on COOL operation**
- This air conditioner cools the room by releasing heat in the room outdoors. Therefore, cooling performance may fall in higher outdoor temperatures.

■ **Note on DRY operation**
- Eliminates humidity while maintaining the indoor temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.

■ **Note on FAN operation**
- This mode is valid for fan only.

■ **Recommended temperature setting**
- For cooling: 26-28°C

Operation

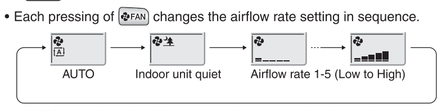
Adjusting the Airflow Rate / SMELL PROOF Operation

Adjusting the airflow rate

You can adjust the airflow rate to increase your comfort.

■ To change the airflow rate setting

Press FAN.
- Each pressing of FAN changes the airflow rate setting in sequence.



- In DRY operation, the airflow rate setting cannot be changed.

SMELL PROOF operation

The SMELL PROOF operation prevents unpleasant odour inside the indoor unit. This function is available in both DRY and COOL operation.

■ To use SMELL PROOF operation

1. **Before starting the operation, press FAN to set to Auto.**
2. **Press MODE to select the DRY or COOL operation.**
3. **Press ON/OFF.**
   - Air starts circulating about 1 minute after the operation is started. However, if the POWER CHILL operation is started, air starts circulating immediately.

NOTE

■ **Note on airflow rate setting**
- At smaller airflow rates, the cooling effect is also smaller.

■ **Note on SMELL PROOF operation**
- SMELL PROOF operation can prevent some odours, but not all.

■ **Notes on the operating conditions**
- The air conditioner always consumes a small amount of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, turn off the circuit breaker.
- Operation outside the humidity or temperature range described in the table may cause a safety device to disable the system.

Mode	Operating conditions	If operation is continued out of this range
COOL	Outdoor temperature: 19.4-46°C Indoor temperature: 18-32°C Indoor humidity: 80% max.	• A safety device may activate to stop the operation. • Dew may form on the indoor unit and drip from it when COOL or DRY operation is selected.
DRY		

Operation

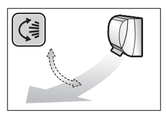
Adjusting the Airflow Direction

You can adjust the airflow direction to increase your comfort.

Upper and lower airflow direction

■ To start auto swing

Press SWING.
- "" is displayed on the LCD.
- The flap (horizontal blade) will begin to swing.



■ To set the flap at desired position

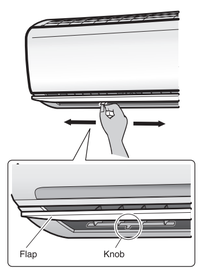
- This function is effective while flap is in auto swing mode.

Press SWING when the flap has reached the desired position.
- The flap will stop moving.
- "" disappears from the LCD.

Right and left airflow direction

■ To adjust the louvers (vertical blades)

Hold the knob and move the louvers.
(You will find a knob on the left-side and the right-side blades.)
- When the unit is installed in the corner of a room, the direction of the louvers should be facing away from the wall.
  If they face the wall, the wall will block off the wind, causing the cooling efficiency to drop.



⚠ CAUTION

- Always use a remote controller to adjust the angles of the flap. If you attempt to move the flap forcibly with hand when it is swinging, the mechanism may be broken.
- Be careful when adjusting the louvers. Inside the air outlet, a fan is rotating at a high speed.

Operation

COANDA / POWER CHILL Operation

COANDA Operation

Directs airflow upward. This function prevents air from blowing directly at users.

■ To start COANDA operation

1. **Press COANDA.**
   - The flaps position will change, preventing air from blowing directly on the occupants of the room.
   - "" is displayed on the LCD. The flaps will go up.

■ To cancel COANDA operation

2. **Press COANDA again.**
   - The flaps will return to the memory position from before COANDA mode.
   - "" disappears from the LCD.

POWER CHILL Operation

POWER CHILL operation quickly maximises the cooling effect in any operation mode. In this mode, the air conditioner operates at maximum capacity.

■ To start POWER CHILL operation

1. **Press POWERCHILL.**
   - POWER CHILL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWER CHILL operation.
   - "" is displayed on the LCD.

■ To cancel POWER CHILL operation

2. **Press POWERCHILL again.**
   - "" disappears from the LCD.

NOTE

■ **Notes on COANDA operation**
- The flaps position will change, preventing air from blowing directly on the occupants of the room.
- If the up and down airflow direction is selected, the COANDA operation will be cancelled.
- The airflow rate can be set to any level. However, a low airflow rate may result in the downward flow of cold air, and in air blowing at people.

■ **Notes on POWER CHILL operation**
- When using POWER CHILL operation, there are some functions which are not available.
- POWER CHILL operation can only be set when the unit is running.
- POWER CHILL operation will not increase the capacity of the air conditioner if the air conditioner is already in operation with its maximum capacity demonstrated.
- **In COOL operation**
  To maximise the cooling effect, the capacity of outdoor unit is increased and the airflow rate becomes fixed at the maximum setting. The temperature and airflow settings cannot be changed.
- **In DRY operation**
  The temperature setting is lowered by 2.5°C and the airflow rate is slightly increased.
- **In FAN operation**
  The airflow rate is fixed at the maximum setting.

Operation

ECONO / TIMER Operation

TIMER Operation

Timer functions are useful for automatically switching the air conditioner on or off in the morning or at night. You can also use the ON TIMER and GOOD SLEEP OFF TIMER together.

■ To use ON TIMER operation

1. **Press ON.**

   HR. ON "HR. ON" is displayed on the LCD.

   Each pressing of ON changes the time setting by 1 hour.
   The time can be set between 1 and 12 hours.
   - The TIMER lamp lights orange.

■ To use GOOD SLEEP OFF TIMER operation

1. **Press OFF.**

   HR. OFF "HR. OFF" is displayed on the LCD.

   Each pressing of OFF changes the time setting by 1 hour.
   The time can be set between 1 and 9 hours.
   - The TIMER lamp lights orange.

- Once GOOD SLEEP OFF TIMER operation starts, the set temperature will increase gradually by 2°C in the next 2 hours to prevent excessive cooling during sleeping hours.

■ To cancel TIMER operation

2. **Press CANCEL.**
   - "HR. OFF" disappears from the LCD.
   - The TIMER lamp goes off.

■ To combine ON TIMER and GOOD SLEEP OFF TIMER

- A sample setting for combining the 2 timers is shown below.
- "ON" and "OFF" are displayed on the LCD.

ECONO Operation

ECONO operation enables efficient operation by limiting the maximum power consumption. This function is useful to prevent the circuit breaker from tripping when the unit operates alongside other appliances on the same circuit.

■ To start ECONO operation

1. **Press ECONO during operation.**
   - "" is displayed on the LCD.

■ To cancel ECONO operation

2. **Press ECONO again.**
   - "" disappears from the LCD.

NOTE

■ **Note on TIMER operation**
- Once you set ON / GOOD SLEEP OFF TIMER, the time setting is kept in the memory. The memory is cleared when the remote controller batteries are replaced.

■ **In the following cases, set the timer again.**
- After the circuit breaker has turned off.
- After a power failure.
- After replacing the batteries in the remote controller.

■ **Notes on ECONO operation**
- ECONO operation can only be set when the unit is running. Pressing ON/OFF causes the settings to be cancelled, and "" disappears from the LCD.
- ECONO operation functions in COOL and DRY operation.
- POWER CHILL and ECONO operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- This operation is performed with lower power and therefore may not provide a sufficient cooling effect.

Care

Care and Cleaning 1

⚠ CAUTION **Before cleaning, be sure to stop the operation and turn off the circuit breaker.**

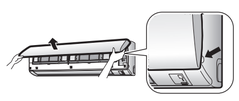
Units

■ Indoor unit and remote controller

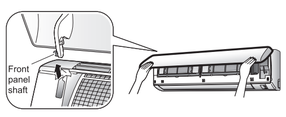
1. **Wipe them with a dry soft cloth.**

■ Front panel

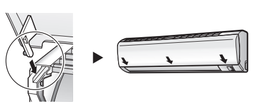
1. **Open the front panel.**
   - Hold the front panel by the indentations in the main unit and open the front panel.



2. **Remove the front panel.**
   - Slide the front panel to either the left or right and pulling it toward you. This will disconnect the front panel shaft on one side.
   - Disconnect the front panel shaft on the other side in the same manner.
   - You can also remove the front panel by pushing it open until the front panel shaft is disconnected.



3. **Clean the front panel.**
   - Wipe it with a soft cloth soaked in water.
   - Only neutral detergent may be used.
   - In case of washing the panel with water, wipe it with dry soft cloth, dry it up in the shade after washing.
4. **Attach the front panel.**
   - Align the front panel shaft on the left and right of the front panel with the slots, then push them all the way in.
   - Close the front panel slowly.
   - Press the front panel at both sides and the centre.



▲ CAUTION

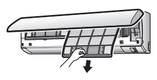
- Do not touch the aluminium fins of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 40°C, benzine, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hard stuff.
- After cleaning, make sure that the front panel is securely fixed.

Care

Care and Cleaning 2

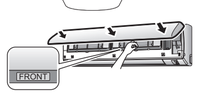
Air filter

1. **Pull out the air filters.**
   - Open the front panel.
   - Push the filter tab at the center of each air filter a little upwards, then pull it down.



2. **Clean or replace each filter.**
   Wash the air filters with water or clean them with vacuum cleaner.
   - If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.
   - Be sure to remove the accessory filter (optional part).
   - It is recommended to clean the air filters every 2 weeks.

3. **Set the air filter as they were and close the front panel.**
   - Insert claws of the filters into slots of the front panel. Close the front panel slowly and push the panel at the 3 points.
   - Press the front panel at both sides and the centre.



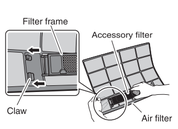
Optional filter

Item	Part No.
Titanium apatite deodorizing air-purifying filter (with frame) 1 set (*)	KAF970A45
Ag-ion filter (with frame) 1 set	KAF057A41
Multi Function Filter (with frame) 1 set	KAF001A500
Micro-filter - PM2.5 (with frame) 1 set (*)	KAF250A502
Mirco-filter - PM0.1 (with frame) 1 set	KAF010A503

* Included with the unit in accessories bag

[Installation]

Hold the filter frame and hook it on the 4 claws of the air filter.



■ Titanium apatite photocatalytic/Multi function/ Air-purifying filter

[Maintenance]

Filter can be renewed by washing it with water once every 6 months. We recommend replacing it once every 3 years.

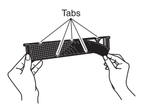
1. **Take off the filter.**
2. **Vacuum dusts, and soak in lukewarm water or water for about 10 to 15 minutes if dirt is heavy.**
   - Do not remove the filter from frame when washing with water.
3. **After washing, shake off remaining water and dry in the shade.**
   - Do not wring out the filter when removing water from it.

Care

Care and Cleaning 3

[Replacement]

1. **Remove the filter from the filter frame and attach a new one.**
   - Do not throw away the filter frame. Reuse the filter frame when replacing the filter.
   - When attaching the filter, check that the filter is set in the tabs.



■ Ag-ion filter / Micro filter PM 2.5 & 0.1

[Maintenance]

The filter can be renewed by cleaning it with a vacuum cleaner. We recommend replacing it once every 6.5 years.

1. **Take off the filter.**
2. **Vacuum dust.**
   - Do not wash the filter as this will reduce its efficiency.

NOTE

- When applying for the filter for the first time, specify "with frame".
- To order an optional filter, contact the service shop where you bought the air conditioner.
- Dispose of the old filter as non-flammable waste.
  Dispose of the old filter frame in accordance with your local waste sorting procedures.
- Operation with dirty filters: (1) cannot deodorise the air. (2) cannot clean the air. (3) results in poor cooling. (4) may cause odour.

■ Before a long idle period

1. **Operate the FAN only for several hours on a fine day to dry out the inside.**
   - Press MODE and select FAN operation. • Press ON/OFF and start the operation.
2. **After operation stops, turn off the circuit breaker for the room air conditioner.**
3. **Clean the air filters and set them again.**
4. **Take out batteries from the remote controller.**

We recommend periodical maintenance.
In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodical maintenance by a specialist aside from regular cleaning by the user. For specialist maintenance, contact the service shop where you bought the air conditioner. The maintenance cost must be born by the user.

Troubleshooting

Troubleshooting 1

These cases are not problems.

The following cases are not air conditioner troubles but have some reasons. You may just continue using it.

Case	Explanation
Operation does not start soon. • When "ON/OFF" button was pressed soon after operation was stopped. • When the mode was reselected.	• This is to protect the air conditioner. You should wait for about 3 minutes.
Air does not come out.	• If the operation is started when the airflow setting is "Auto", the SMELL PROOF operation starts running to prevent unpleasant odour inside the indoor unit. Wait for about 1 minute. (Except when POWER CHILL operation is set.) Refer to "**Adjusting the Airflow Rate / SMELL PROOF Operation**".
The flaps do not start swinging immediately.	• The air conditioner is adjusting the position of the flaps. The flaps will start moving soon.
Operation stopped suddenly. (OPERATION lamp is on.)	• To protect the system, the air conditioner may stop operating after sudden large voltage fluctuations. It automatically resumes operation in about 3 minutes. Voltage range protection: 160V-265V
A sound is heard.	■ **A sound like flowing water** • This sound is generated because the refrigerant in the air conditioner is flowing. • This is a pumping sound of the water in the air conditioner and can be heard when the water is pumped out from the air conditioner during COOL or DRY operation. ■ **Blowing sound** • This sound is generated when the flow of the refrigerant in the air conditioner is switched over. ■ **Ticking sound** • This sound is generated when the cabinet and frame of the air conditioner slightly expand or shrink as a result of temperature changes. ■ **Clopping sound** • This sound is heard from the inside of the air conditioner when the exhaust fan is activated while the room doors are closed. Open the window or turn off the exhaust fan.
The outdoor unit emits water or steam.	■ **In COOL or DRY operation** • Moisture in the air condenses into water on the cool surface of the outdoor unit piping and drips.
Mist comes out of the indoor unit.	• This happens when the air in the room is cooled into mist by the cold airflow during COOL operation.

Troubleshooting

Troubleshooting 2

Case	Explanation
The indoor unit gives out odour.	• The room odour absorbed in the unit is discharged with the airflow. We recommend you to have the indoor unit cleaned. Please consult your service centre.
The outdoor fan rotates while the air conditioner is not in operation.	■ **Immediately after the air conditioner is stopped:** • The outdoor unit fan continues rotating for about another 1 minute to protect the system. ■ **While the air conditioner is not in operation:** • When the outdoor temperature is high, the outdoor unit fan may start rotating to protect the system.
Remote controller does not work properly.	■ **No remote controller signals are displayed.** ■ **The remote controller sensitivity is low.** ■ **The display is low in contrast or blacked out.** ■ **The display runs out of control.** • The batteries are dying and the remote controller is malfunctioning. Replace both batteries with new, dry batteries (AAA). For details, refer to "**To insert the batteries**" of this manual.

Check again.

Please check again before requesting repairs.

Case	Explanation
The air conditioner does not operate. (OPERATION lamp is off.)	• Has the circuit breaker been tripped or the fuse blown? • Is there a power failure? • Are batteries set in the remote controller? • Is the timer setting correct?
The room does not cool down.	• Is the airflow rate setting appropriate? If the airflow rate setting is too low, increase it. • Is the set temperature appropriate? • Is the adjustment of the airflow direction appropriate? • Are the air filters dirty? • Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit? • Is a window or door open? • Is the air conditioner in ECONO operation or GOOD SLEEP OFF TIMER operation?
Operation stops suddenly. (OPERATION lamp is blinking.)	• Are the air filters dirty? Clean the air filters. • Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit? Stop operation and after turning off the circuit breaker, remove the obstruction. Then restart operation with the remote controller. If the OPERATION lamp is still blinking, check the error code and consult your service centre. • If the lamps stop blinking after the above steps, there is no malfunction.
An abnormal functioning happens during operation.	• The air conditioner may malfunction with lightning or radio waves. Turn off the circuit breaker, turn it on again and try operating the air conditioner with the remote controller.

Troubleshooting

Troubleshooting 3

Call your service centre immediately.

⚠ WARNING

■ When an abnormality (such as a burning smell) occurs, stop operation and turn off the circuit breaker.
Continued operation in an abnormal condition may result in problems, electric shock or fire.
Consult your service centre.

■ Do not attempt to repair or modify the air conditioner by yourself.
Incorrect work may result in electric shock or fire.
Consult your service centre.

If one of the following symptoms takes place, call your service centre immediately.

- ■ **The power cord is abnormally hot or damaged.**
- ■ **An abnormal sound is heard during operation.**
- ■ **The circuit breaker, a fuse, or the earth leakage circuit breaker cuts off the operation frequently.**
- ■ **A switch or a button often fails to work properly.**
- ■ **There is a burning smell.**
- ■ **Water leaks from the indoor unit.**

▶ Turn off the circuit breaker and call your service centre.

■ After a power failure	■ Lightning
The air conditioner automatically resumes operation in about 3 minutes. You should just wait for a while.	If there is a risk lightning could strike in the neighbourhood, stop operation and turn off the circuit breaker to protect the system.

Disposal requirements

Your air conditioning product is marked with this symbol. This means that electrical and electronic products shall not be mixed with unsorted household waste.

Do not try to dismantle the system yourself: the dismantling of the air conditioning system, treatment of the refrigerant, of oil and of other parts must be done by a qualified installer in accordance with relevant local and national legislation.

Air conditioners must be treated at a specialized treatment facility for re-use, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. Please contact the installer or local authority for more information.

Batteries must be removed from the remote controller and disposed of separately in accordance with relevant local and national legislation.

Troubleshooting

Troubleshooting 4

Fault diagnosis by remote controller

The remote controller can receive relevant error codes from the indoor unit.

1. **When CANCEL is held down for about 5 seconds, "" blinks in the temperature display section.**
2. **Press CANCEL repeatedly until a long beep is produced.**
   - The code indication changes as shown below, and notifies with a long beep.

	CODE	MEANING
SYSTEM	00	NORMAL
	UA	INDOOR-OUTDOOR UNIT COMBINATION FAULT
	U0	REFRIGERANT SHORTAGE
	U2	DROP VOLTAGE OR MAIN CIRCUIT OVERVOLTAGE
	U4	FAILURE OF TRANSMISSION (BETWEEN INDOOR UNIT AND OUTDOOR UNIT)
INDOOR UNIT	A1	INDOOR PCB DEFECTIVENESS
	A5	FREEZE-UP PROTECTOR
	A6	FAN MOTOR FAULT
	C4	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	C9	FAULTY SUCTION AIR TEMPERATURE SENSOR
OUTDOOR UNIT	E1	CIRCUIT BOARD FAULT
	E5	OL STARTED
	E6	FAULTY COMPRESSOR START UP
	E7	DC FAN MOTOR FAULT
	E8	OVERCURRENT INPUT
	F3	HIGH TEMPERATURE DISCHARGE PIPE CONTROL
	F6	HIGH PRESSURE CONTROL (IN COOLING)
	F8	OPERATION HALT DUE TO COMPRESSOR INTERNAL TEMPERATURE ABNORMALITY
	H0	SENSOR FAULT
	H6	OPERATION HALT DUE TO FAULTY POSITION DETECTION SENSOR
	H8	DC CURRENT SENSOR FAULT
	H9	FAULTY SUCTION AIR TEMPERATURE SENSOR
	J3	FAULTY DISCHARGE PIPE TEMPERATURE SENSOR
	J6	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	L3	ELECTRICAL PARTS HEAT FAULT
	L4	HIGH TEMPERATURE AT INVERTER CIRCUIT HEATSINK
	L5	OUTPUT OVERCURRENT
	P4	FAULTY INVERTER CIRCUIT HEATSINK TEMPERATURE SENSOR

NOTE

- A short beep indicates non-corresponding codes.
- To cancel the code display, hold down CANCEL for about 5 seconds.
  The code display also cancels itself if the button is not pressed for 1 minute.

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DAIKIN

3P484684-3A M17P012A

DAIKIN AIR CONDITIONER
INSTALLATION MANUAL

Two-dimensional bar code is a code for manufacturing.

SAFETY PRECAUTIONS

- The precautions described herein are classified as WARNING and CAUTION. They both contain important information regarding safety. Be sure to observe all precautions without fail.
- Meaning of WARNING and CAUTION notices

⚠ WARNING	Failure to follow these instructions properly may result in personal injury or loss of life.
⚠ CAUTION	Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

- The safety marks shown in this manual have the following meanings:

❗	Be sure to follow the instructions.	⏚	Be sure to establish an earth connection.	⃠	Never attempt.

- After completing installation, conduct a trial operation to check for faults and explain to the customer how to operate the air conditioner and take care of it with the aid of the operation manual.

⚠ WARNING

- Ask your dealer or qualified personnel to carry out installation work.
  Do not attempt to install the air conditioner yourself. Improper installation may result in water leakage, electric shocks or fire.
- Install the air conditioner in accordance with the instructions in this installation manual. Improper installation may result in water leakage, electric shocks or fire.
- Be sure to use only the specified accessories and parts for installation work. Failure to use the specified parts may result in the unit falling, water leakage, electric shocks or fire.
- Install the air conditioner on a foundation strong enough to withstand the weight of the unit. A foundation of insufficient strength may result in the equipment falling and causing injury.
- Electrical work must be performed in accordance with relevant local and national regulations and with instructions in this installation manual. Be sure to use a dedicated power supply circuit only. Insufficiency of power circuit capacity and improper workmanship may result in electric shocks or fire.
- Use a cable of suitable length. Do not use tapped wires or an extension lead, as this may cause overheating, electric shocks or fire.
- Make sure that all wiring is secured, the specified wires are used, and that there is no strain on the terminal connections or wires. Improper connections or securing of wires may result in abnormal heat build-up or fire.
- When wiring the power supply and connecting the wiring between the indoor and outdoor units, position the wires so that the control box lid can be securely fastened. Improper positioning of the control box lid may result in electric shocks, fire or over heating terminals.
- If refrigerant gas leaks during installation, ventilate the area immediately. ❗
  Toxic gas may be produced if the refrigerant comes into contact with fire.
- After completing installation, check for refrigerant gas leakage. Toxic gas may be produced if the refrigerant gas leaks into the room and comes into contact with a source of fire, such as a fan heater, stove or cooker. ❗
- When installing or relocating the air conditioner, be sure to bleed the refrigerant circuit to ensure it is free of air, and use only the specified refrigerant (R32). The presence of air or other foreign matter in the refrigerant circuit causes abnormal pressure rise, which may result in equipment damage and even injury.
- During installation, attach the refrigerant piping securely before running the compressor. If the refrigerant pipes are not attached and the stop valve is open when the compressor is run, air will be sucked in, causing abnormal pressure in the refrigeration cycle, which may result in equipment damage and even injury.
- During pump-down, stop the compressor before removing the refrigerant piping. If the compressor is still running and the stop valve is open during pump-down, air will be sucked in when the refrigerant piping is removed, causing abnormal pressure in the refrigeration cycle, which may result in equipment damage and even injury.
- Be sure to earth the air conditioner. ⏚
  Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead. Imperfect earthing may result in electric shocks.
- Be sure to install an earth leakage circuit breaker. Failure to install an earth leakage circuit breaker may result in electric shocks or fire.
- Do not pump down when the refrigerant has leaked, otherwise the compressor may be damaged. ❗

⚠ CAUTION

- Do not install the air conditioner at any place where there is a danger of flammable gas leakage. ⃠
  In the event of a gas leakage, build-up of gas near the air conditioner may cause a fire to break out.
- While following the instructions in this installation manual, install drain piping to ensure proper drainage and insulate piping to prevent condensation. Improper drain piping may result in indoor water leakage and property damage.
- Tighten the flare nut according to the specified method such as with a torque wrench. If the flare nut is too tight, it may crack after prolonged use, causing refrigerant leakage.
- Take adequate steps to prevent the outdoor unit being used as a shelter by small animals.
  Small animals making contact with electrical parts can cause malfunctions, smoke or fire. Please instruct the customer to keep the area around the unit clean.
- The temperature of refrigerant circuit will be high, please keep the inter-unit wires away from copper pipes that are not thermally insulated.

N002

ACCESSORIES

Ⓐ~Ⓛ

Ⓐ Mounting plate	1	Ⓔ Dry battery (AAA)	2	Ⓙ Liquid Pipe (3.5 m)	1
Ⓑ Mounting plate fixing screw M4 × 25L	7	Ⓕ Indoor unit fixing screw M4 × 12L	2	Ⓚ Gas Pipe (3.5 m)	1
Ⓒ Wireless remote controller	1	Ⓖ Operation/installation manual	1	Ⓛ 4 core wire (4.2 m)	1
Ⓓ Tie Wrap	6	Ⓗ Product warranty	1		

CHOOSING AN INSTALLATION SITE

- Before choosing the installation site, obtain user approval.

Indoor unit

The indoor unit should be sited in a place where:
- the restrictions on installation specified in the indoor unit installation drawings are met,
- both air intake and exhaust have clear paths of air,
- the unit is not in the path of direct sunlight,
- the unit is away from the source of heat or steam,
- there is no source of machine oil vapour (this may shorten indoor unit life),
- cool air is circulated throughout the room,
- the unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote controller range,
- the unit is at least 1 metre away from any television or radio set (unit may cause interference with the picture or sound),
- install at the recommended height (1.8m).

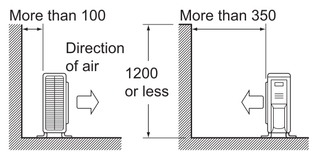
Outdoor unit

The outdoor unit should be sited in a place where:
- the restrictions on installation specified in the outdoor unit installation drawings are met,
- drain water causes no trouble or problem in particular,
- both air intake and exhaust have clear paths of air (they should be free of snow in snowy districts),
- the unit is in a clear path of air but not directly exposed to rain, strong winds, or direct sunlight,
- there is no fear of inflammable gas leakage,
- the unit is no directly exposed to salt, sulfidized gases, or machine oil vapour (they may shorten outdoor unit life),
- operating sound or hot airflow does not cause trouble to neighbours,
- the unit is at least 3 metres away from any television or radio antenna.

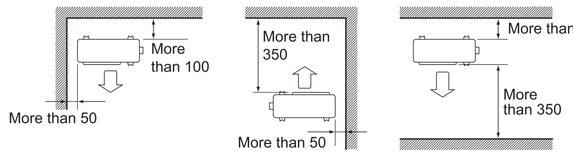
OUTDOOR UNIT INSTALLATION GUIDELINES

- Where a wall or other obstacle is in the path of outdoor unit's intake or exhaust airflow, follow the installation guidelines below.

Wall facing one side — Side view



Walls facing two sides — Top view



unit: mm

⚠ **CAUTION**

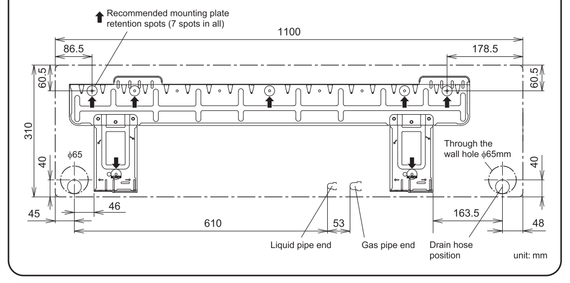
When carrying the outdoor unit during installation, wear gloves to avoid injury.

INDOOR UNIT

1 INSTALLING THE MOUNTING PLATE

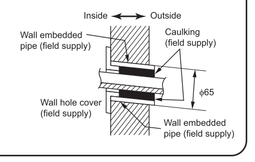
- The mounting plate should be installed on a wall which can support the weight of the indoor unit.
  1) Temporarily secure the mounting plate to the wall, make sure that the panel is completely level, and mark the boring points on the wall.
  2) Secure the mounting plate to the wall with screws.

Recommended mounting-plate retention spots and Dimensions



2 BORING A WALL HOLE AND INSTALLING WALL EMBEDDED PIPE

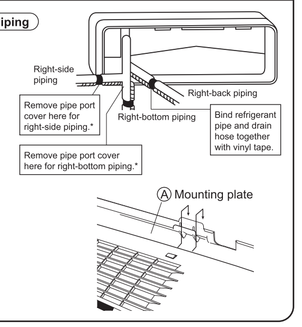
- For walls containing metal frame or metal board, be sure to use a wall embedded pipe and wall hole cover in the feed-through hole to prevent possible heat, electrical shock, or fire.
- Be sure to caulk the gaps around the pipes with caulking material to prevent water leakage.
  1) Bore a feed-through hole of 65mm in the wall so it has a down slope toward the outside.
  2) Insert a wall embedded pipe into the hole.
  3) Insert a wall hole cover into wall pipe.
  4) After completing refrigerant piping, wiring, and drain piping, caulk pipe hole gap with putty.



3-1 INSTALLING THE INDOOR UNIT

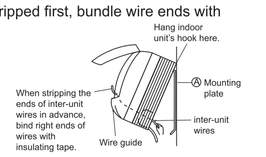
Right-Side, Right-Back, or Right-Bottom Piping

1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.
   * Caulk the gap between the pipe and the front grille with putty.
2) Pass the drain hose and refrigerant pipes through the wall hole, then set the indoor unit on the mounting plate hooks.
3) Open the front grille, then open the service lid. (Refer to INSTALLATION TIPS.)



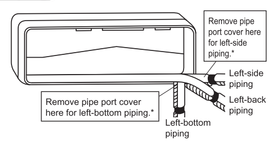
3-2 INSTALLING THE INDOOR UNIT

4) Pass the inter-unit wires from the outdoor unit through the feed-through wall hole and then through the back of the indoor unit. Pull them through the front side. Bend the ends of tie wires upward in advance for easier work. (If the inter-unit wire ends are to be stripped first, bundle wire ends with adhesive tape.)
5) Press the bottom frame of the indoor unit with both hands to set it on the mounting plate hooks. Make sure the wires do not catch on the edge of the indoor unit.

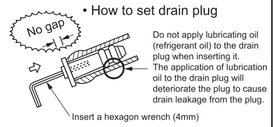


Left-Side, Left-Back, or Left Bottom Piping

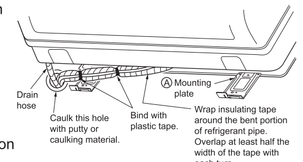
1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.
   * Caulk the gap between the pipe and the front grille with putty.
2) Be sure to connect the drain hose to the drain port in place of a drain plug.
3) Shape the refrigerant pipes.

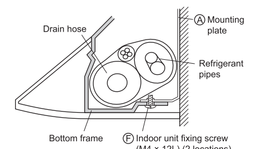


• How to set drain plug



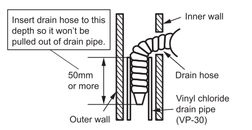
4) Pass drain hose and refrigerant pipes through the wall hole, then set the indoor unit on mounting plate hooks.
5) Pull in the inter-unit wires.
6) Connect the refrigerant pipes.
7) Wrap the refrigerant pipes and drain hose together with insulation tape (field supply) as right figure, in case of setting the drain hose through the back of the indoor unit.
8) While exercising care so that the inter-unit wires do not catch indoor unit, press the bottom edge of indoor unit with both hands until it is firmly caught by the mounting plate hooks. Secure indoor unit to the mounting plate with the screws (M4 × 12L).





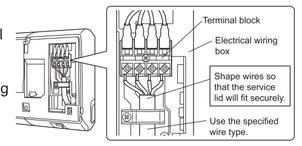
Wall Embedded Piping

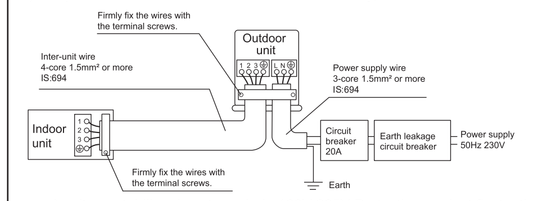
Follow the instructions given under left-side, left-back, or left bottom piping.
- Insert the drain hose to this depth so it won't be pulled out of the drain pipe.



4 WIRING

1) Strip wire ends (15mm).
2) Match wire colours with terminal numbers on indoor and outdoor unit's terminal blocks and firmly screw wires to the corresponding terminals.
3) Connect the earth wires to the corresponding terminals.
   Attach the earth wire so that it is not connected to the fan motor connector.
4) Pull wires to make sure that they are securely latched up, then retain wires with wire retainer.
5) Shape the wires so that the service lid fits securely, then close service lid.



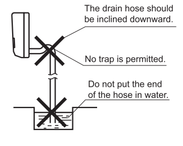


- A voltage stabilizer is not needed : 160V-265V Protection against fluctuation

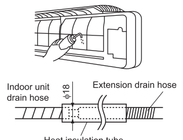
⚠ **WARNING**
- Do not use tapped wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire.
- Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc., from the terminal block.) Doing so may cause electric shock or fire.

5 DRAIN PIPING

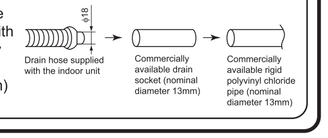
1) Connect the drain hose, as described right.



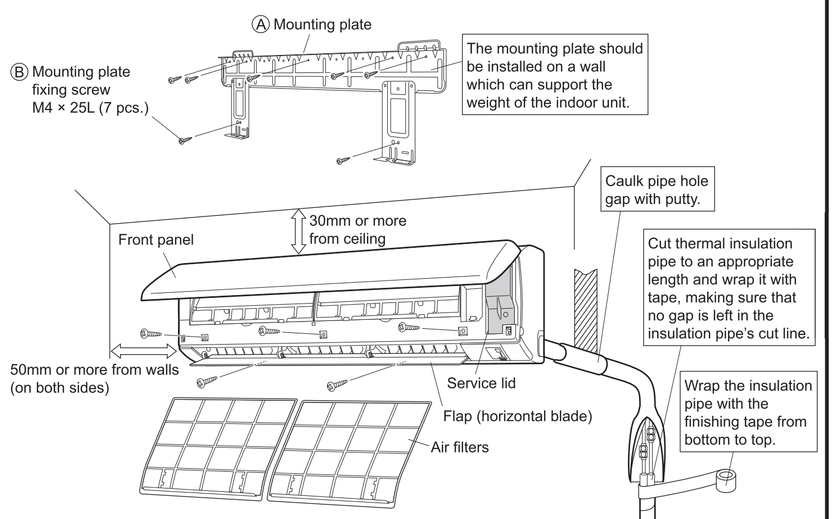
2) Remove the air filters and pour some water into the drain pan to check the water flows smoothly.
3) When drain hose requires extension, obtain an extension hose commercially available.
   Be sure to thermally insulate the indoor section of the extension hose.



4) When connecting a rigid polyvinyl chloride pipe (nominal diameter 13mm) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 13mm) as a joint.



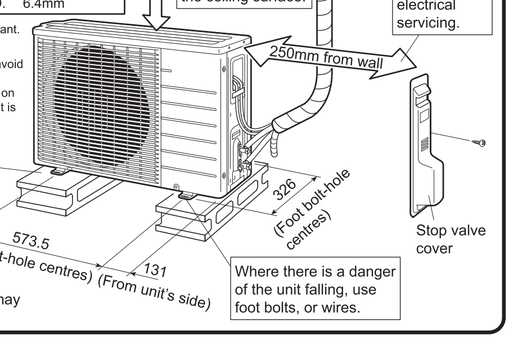
INDOOR/OUTDOOR UNIT INSTALLATION DRAWINGS



Model	50/60 class	71 class
Max. allowable piping length	30m	
** Min. allowable piping length	3m	
Max. allowable piping height	20m	
* Additional refrigerant required for refrigerant pipe exceeding 10m in length.	20g/m	
Gas pipe	O.D. 12.7mm	O.D. 15.9mm
Liquid pipe	O.D. 6.4mm	

* Be sure to add the proper amount of additional refrigerant. Failure to do so may result in reduced performance.

** The suggested shortest pipe length is 3m, in order to avoid noise from the outdoor unit and vibration. (Mechanical noise and vibration may occur depending on how the unit is installed and the environment in which it is used.)



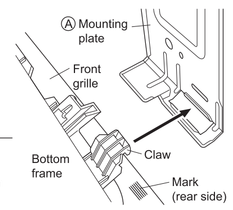
unit: mm

Appearance of the indoor and outdoor units may differ from some models.

INSTALLATION TIPS

■ **Installing and Removing the indoor unit.**

- **Installation method**
  Hook the claws of the bottom frame to the mounting plate. If the claws are difficult to hook, remove the front grille.
- **Removal method**
  Push up the marked area (at the lower part of the front grille) to release the claws. If it is difficult to release, remove the front grille.

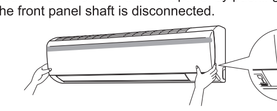


⚠ **CAUTION**

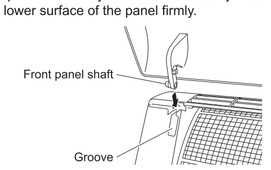
Do not hold the midsection of the bottom of the front grille when carrying the indoor unit.

■ **Removing and installing the front panel.**

- **Removal method**
  Hold the front panel by the indentations in the main unit and open the panel. Slide the front panel sideways to disengage the front panel shaft.
  Then pull the front panel toward you to remove it.
  You can also remove the front panel by pushing it open until the front panel shaft is disconnected.

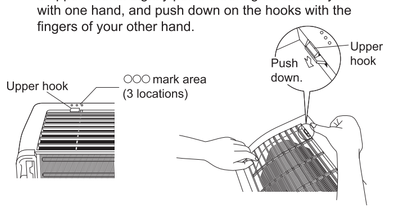


- **Installation method**
  Align the front panel shaft of the front panel with the grooves, and push all the way in. Then close slowly. Push the centre of the lower surface of the panel firmly.



■ **Removing and installing the front grille.**

- **Removal method**
  1) Remove the front panel to remove the air filter.
  2) Remove the flap (horizontal blade).
  3) Remove the front grille. (5 screws)
  4) In front of the ○○○ mark of the front grille, there are 3 upper hooks. Lightly pull the front grille toward you with one hand, and push down on the hooks with the fingers of your other hand.



<When there is no work space because the unit is close to ceiling>

⚠ **CAUTION**

Be sure to wear protection gloves.

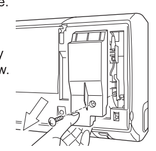
Place both hands under the centre of the front grille, and while pushing up, pull it toward you.

- **Installation method**
  1) Install the front grille and firmly engage the upper hooks (3 locations).
  2) Install 5 screws of the front grille.
  3) Install the air filter and then mount the front panel.

■ **Opening the service lid.**

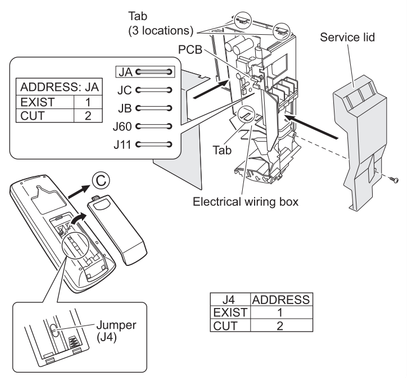
The service lid is opening/closing type.

- **Opening method**
  1) Remove the service lid screws.
  2) Pull out the service lid diagonally down in the direction of the arrow.
  3) Pull down.



■ **How to set the different addresses.**

When two indoor units are installed in one room, the two wireless remote controllers can be set for different addresses.
1) Remove the front grille. (5 screws)
2) Remove the service lid. (1 screw)
3) Remove the electrical wiring cover. (3 tabs)
4) Pull out the PCB.
5) Cut the address jumper (JA) on the printed circuit board.
6) Cut the address jumper (J4) in the remote controller.



J4	ADDRESS
EXIST	1
CUT	2

OUTDOOR UNIT

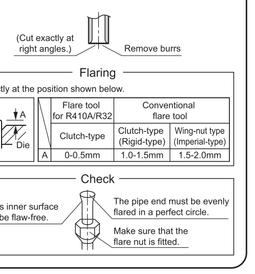
1 INSTALLING THE OUTDOOR UNIT

2 FLARING THE PIPE END

1) Cut the pipe end with a pipe cutter.
2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
3) Put the flare nut on the pipe.
4) Flare the pipe.
5) Check that the flaring is properly made.

⚠ **WARNING**

Incomplete flaring may cause refrigerant gas leakage.



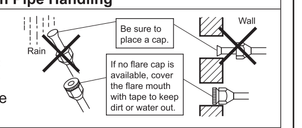
3 REFRIGERANT PIPING

1) To prevent gas leakage, apply refrigeration oil to the inner surface of the flare.
2) Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
   • Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.

Flare nut tightening torque		
Gas side		Liquid side
50/60 class	71 class	6.4mm
12.7mm	15.9mm	
35-43N•m (357-439kgf•cm)	61.8-75.4N•m (630-770kgf•cm)	15-19N•m (153-194kgf•cm)
Valve cap tightening torque		
Gas side		Liquid side
50/60 class	71 class	6.4mm
12.7mm	15.9mm	
25-31N•m (255-316kgf•cm)	48.1-59.7N•m (490-610kgf•cm)	21-25N•m (214-255kgf•cm)
Service port cap tightening torque		
10.8-14.7N•m (110-150kgf•cm)		

Cautions on Pipe Handling

- Protect the open end of the pipe against dust and moisture.
- All pipe bends should be as gentle as possible. Use a pipe bender for bending. (Bending radius should be 30 to 40mm or larger.)

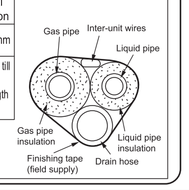


Selection of Copper and Heat Insulation materials

When using commercial copper pipes and fittings, observe the following:
- Insulation material : Polyethylene foam
  Heat transfer rate ：0.041 to 0.052W/m²K (0.035 to 0.045kcal/m²h°C)
- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas side		Liquid side	Gas pipe thermal insulation	Liquid pipe thermal insulation
50/60 class	71 class	O.D. 6.4mm	I.D. 14-16mm	I.D. 8-10mm
O.D. 12.7mm	O.D.15.9mm			
Minimum bend radius			6.5mm or more thickness till 3.5m Cu Pipe length & over 3.5m Cu pipe length use 10mm thickness	
40mm or more	50mm or more	30mm or more		
Thickness 0.7mm or more (C1220T-O)	Thickness 0.8mm or more (C1220T-O)	Thickness 0.7mm (C1220T-O)		

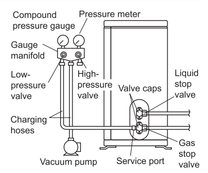
- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.



4 PURGING AIR AND CHECKING GAS LEAKAGE

⚠ **WARNING**
- Do not mix any substance other than the specified refrigerant (R32) into the refrigeration cycle.
- When refrigerant gas leaks occur, ventilate the room as soon and as much as possible.
- To prevent air pollution, a vacuum pump should be used for air purging wherever possible.

- If using additional refrigerant, perform air purging from the refrigerant pipes and indoor unit using a vacuum pump, then charge additional refrigerant.
- Use a hexagonal wrench to operate the stop valve rod.
- All refrigerant pipe joints should be tightened with a torque wrench at the specified tightening torque.



1) Connect projection side (on which pin is pressed) of charging hose (which comes from gauge manifold) to gas stop valve's service port.
2) Fully open gauge manifold's low-pressure valve (Lo) and completely close its high-pressure valve (Hi). (High-pressure valve subsequently requires no operation.)
3) Do vacuum pumping and make sure that the compound pressure gauge reads –0.1MPa (–76cmHg) *1.
4) Close gauge manifold's low-pressure valve (Lo) and stop vacuum pump. (Keep this state for a few minutes to make sure that the compound pressure gauge pointer does not swing back.) *2.
5) Remove covers from liquid stop value and gas stop valve.
6) Turn the liquid stop valve's rod 90 degrees counterclockwise with a hexagonal wrench to open valve. Close it after 5 seconds, and check for gas leakage. Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods. After the check is complete, wipe all soapy water off.
7) Disconnect charging hose from gas stop valve's service port, then fully open liquid and gas stop valves. (Do not attempt to turn valve rod beyond its stop.)
8) Tighten valve caps and service port caps for the liquid and gas stop valves with a torque wrench at the specified torques.

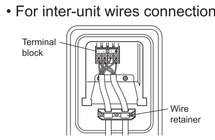
*1. Pipe length vs. vacuum pump run time

Pipe length	Up to 15m	More than 15m
Run time	Not less than 10 min.	Not less than 15 min.

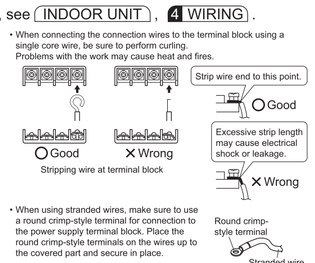
*2. If the compound pressure gauge pointer swings back, refrigerant may have water content or a loose pipe joint may exists. Check all pipe joints and retighten nuts as needed, then repeat steps 2) through 4).

5 WIRING

- For inter-unit wires connections, see INDOOR UNIT , 4 WIRING .



- Regarding the interconnecting and power cables.



⚠ **WARNING**

Never use short cables for connecting end of conductor to each other.

6 DRAIN WORK

- If the drain port is covered by a mounting base or floor surface, place additional foot bases of at least 30mm in height under the outdoor unit's feet.

TRIAL OPERATION AND TESTING

Trial Operation and Testing

1) Check that the inter-unit wires are correctly connected.
2) Measure the supply voltage and make sure that it falls in the specified range.
3) Trial operation should be carried out in cooling mode.
   Select the lowest programmable temperature.
   • Trial operation in cooling mode may be disabled depending on the room temperature. Use the remote controller for trial operation as described below.
   • After trial operation is complete, set the temperature to a normal level (26° to 28°C).
   • For protection, the unit disables restart operation for 3 minutes after it is turned off.
4) Carry out the test operation in accordance with the operation manual to ensure that all functions and parts, such as louver movement, are working properly.
   • The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
   • If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

Trial operation from Remote Controller

1) Press "MODE" button and select the cooling mode.
2) Press "ON/OFF" button to turn on the system.
3) Press both of "TEMP" button and "MODE" button at the same time.
4) Press "TEMP" button, select " 7 " , and press "MODE" button for confirmation.
   • Trial operation will stop automatically after about 30 minutes. To stop the operation, press "ON/OFF" button.

Test Items

Test Items	Symptom	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Draining line is properly installed.	Water leakage	
System is properly earthed.	Electrical leakage	
The specified wires are used for inter-unit wire connections.	Inoperative or burn damage	
Indoor or outdoor unit's air intake or exhaust has clear path of air.	Incomplete cooling function	
Stop valves are opened.	Incomplete cooling function	
Indoor unit properly receives remote controller commands.	Inoperative	

PUMP DOWN OPERATION

In order to protect the environment, be sure to pump down when relocating or disposing of the unit.
1) Remove the valve caps from liquid stop valve and gas stop valve.
2) Carry out forced cooling operation.
3) After 5 to 10 minutes, close the liquid stop valve with a hexagonal wrench.
4) After 2 to 3 minutes, close the gas stop valve and stop forced cooling operation.

Forced cooling operation

■ **Using the indoor unit ON/OFF switch**
Press the indoor unit ON/OFF switch for at least 5 seconds. (The operation will start.)
- Forced cooling operation will stop automatically after about 15 minutes. To stop the operation, press the indoor unit ON/OFF switch.

■ **Using the main unit's remote controller**
1) Press "MODE" button and select the cooling mode.
2) Press "ON/OFF" button to turn on the system.
3) Press both of "TEMP" button and "MODE" button at the same time.
4) Press "TEMP" button, select " 7 " , and press "MODE" button for confirmation.
   • Forced cooling operation will stop automatically after about 30 minutes. To stop the operaion, press "ON/OFF" button.

⚠ **WARNING**

Do not pump down when the refrigerant has leaked, otherwise the compressor may be damaged.