CANDY

SPLIT TYPE ROOM AIR CONDITIONER
OPERATION MANUAL

English

Italiano

Español

Português

Hrvatski

Polski

български

Ελληνικά

- Please read this operation manual before using the air conditioner. Keep this operation manual for future reference This appliance is filled with R32.

Model List:

CY-09QBIN

CY-12QBIN

CY-18QBIN

CY-09RAIN

CY-12RAIN

CY-18RAIN

CY-24RAIN

CY-09RAIN-M

CY-12RAIN-M

Note: All the illustrations in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail. They are subject to change without notice for future improuement.

Contents

English

|	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 unit 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 odor.
- 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 a qualified person in order to avoid a hazard.
- This appliance can be used by children and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance.
- The wiring method should be in line with the local wiring standard.
- All the cables shall have the European authentication certificate. During installation, when the connecting cables are being installed, it must be assured that the Earthing wire is the first one to be connected. 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.
- The type of connecting wire is H07RN-F.

Parts and Functions

■Indoor Unit
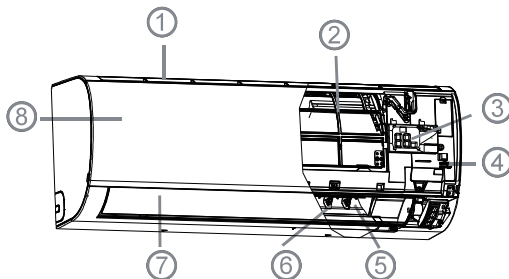
1.Inlet

2.Air Purifying Filter(inside)

3.Display board

4.Emergency Switch

5.Outlet

6.Vertical blade (adjust left and right air flow)

7.Horizontal flap (adjust up and down air flow. Don't adjust it manually)
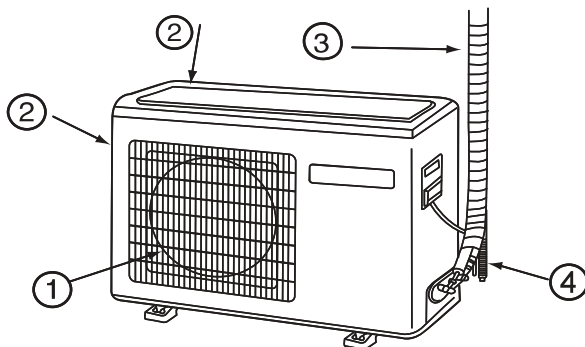
8.Inlet grille

Display board

1.Signal receiver

2.Setting temp.display

3.Wi-Fi

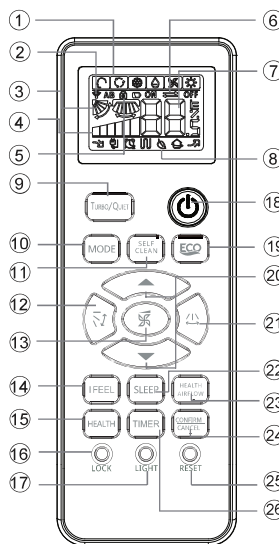Actual inlet grille may vary from the one shown in the manual according to the product purchased

■ Outdoor Unit

1.OUTLET

2.INLET

3.CONNECTING PIPING AND ELECTRICAL WIRING

4.DRAIN HOSE

Please be subject to the actual produce purchased the above picture is just from your reference.

■Remote controller

Operation mode	QUIET	SLEEP	ECO	HEALTH	TURBO
Remote controller					

9. TURBO/QUIET button

10. MODE button

11. SELF CLEAN button

12. SWING up/down button

13. FAN SPEED button

14. I FEEL button

15. HEALTH button

16. LOCK button

17. LIGHT button

Control the lightening and extinguishing of the indoor LED display board.

18. POWER ON/OFF button

19. ECO button

20. TEMP button

21. SWING left/right button

22. SLEEP button

23. Healthy airflow button

24.CANCEL/CONFIRM button

Function: Setting and cancel to the timer and other additional functions

25. RESET button

When the remote controller appears abnormal, press this button 3s to reset the remote.

26. TIMER button

1.Mode display

Operation mode	AUTO	COOL	DRY	FAN	HEAT
Remote controller					

2.Signal sending display

3.SWING display

4.FAN SPEED display

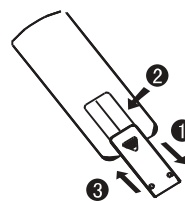| LO	MED	HI	AUTO
			Display circulated

5.LOCK display

6.TIMER OFF display

TIMER ON display

7.TEMP display

8.Additional functions display

■ Loading of the battery

1.Remove the battery cover

2.Load the batteries as illustrated. 2 R-03 batteries, resetting key(cylinder); Be sure that the loading is in line with the " + "/'-"

3.Load the battery, then put on the cover back again.

Note

•The distance between the signal transmission head and the receiver hole should be within 7m without any obstacle as well.

•When electronic-started type fluorescent lamp or change- over type fluorescent lamp or wireless telephone is installed in the room, the receiver can to be disturbed in receiving the signals,so, the distance to the indoor unit should be shorter.

•Full display or unclear display during operation indicates the batteries have been used up. Please change batteries.

•If the remote controller can't run normally during operation, please remove the batteries and reload several minutes later.

Hint: Remove the batteries in case won't be in use for a long period. If there is any display after taking-out, just press reset key.

English

Operation

■Base Operation

Remote controller

1. Unit start

Press ON/OFF on the remote controller, unit starts.

2.Select operation mode

Press MODE button: For each press, the mode changes as follows:

AUTO mode --->Cooling mode --->Heating mode --->DRY mode--->FAN mode

3.Select temp. setting

Press ⌃ / ⌄ button

⌃ Every time the button is pressed, temp. setting increases 1°C, if kept depressed, it will increase rapidly

⌄ Every time the button is pressed, temp. setting decreases 1°C, if kept depressed, it will decrease rapidly

Select a desired temperature.

4.Fan speed selection

Press FAN button. For each press, fan speed changes as follows:

Remote controller:

LO → MED → HI → AUTO Display circulated

Air conditioner is running under displayed fan speed.

When FAN is set to AUTO, the air conditioner automatically adjusts the fan speed according to room temperature.

Mode	Remote controller	Note
AUTO		Under the mode of auto operation, air conditioner will automatically select Cool or Heat operation according to room temperature. When FAN is set to AUTO the air conditioner automatically adjusts the fan speed according to room temperature.
COOL		Cooling only unit do not have displays and functions related with heating
DRY		In DRY mode, when room temperature becomes lower than temp. setting+2 °C, unit will run intermittently at LOW speed regardless of FAN setting.
HEAT		In HEAT mode, warm air will blow out after a short period of the time due to cold-draft prevention function. When FAN is set to AUTO, the air conditioner automatically adjusts the fan speed according to room temperature.
FAN		In FAN operation mode, the unit will not operate in COOL or HEAT mode but only in FAN mode, AUTO is not available in FAN mode. And temp. setting is disabled. In FAN mode, sleep operation is not available.

■Emergency operation and test operation

Emergency Operation:
● Use this operation only when the remote controller is defective or lost, and with function of emergency running, air conditioner can run automatically for a while.
● When the emergency operation switch is pressed, the "Pi" sound is heard once, which means the start of this operation.
● When power switch is turning on for the first time and emergency operation starts, the unit will run automatically in the following modes:

Room temperature	Designated temperature	Timer mode	Fan speed	Operation mode
Above 24 ºC	24 ºC	No	AUTO	COOL
Below 24 ºC	24 ºC	No	AUTO	HEAT

● It is impossible to change the settings of temp. and fan speed. It is also not possible to operate in TIMER or DRY mode.

Test operation:
Test operation switch is the same as emergency switch.
● Use this switch in the test operation when the room temperature is below 16 °C , do not use it in the normal operation.
● Continue to press the test operation switch for more than 5 seconds. After you hear the "Pi" sound twice,release your finger from the switch: the cooling operation starts with the air flow speed "Hi".

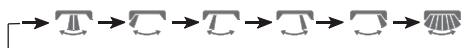## ■Air Flow Direction Adjustment

1. Up and down air flow adjustment
Vertical flap

COOL/DRY/AUTO/FAN

HEAT

(Initial state)
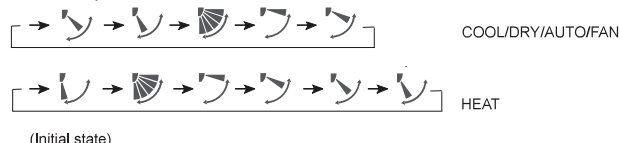
2.Left and right air flow adjustment

For each press of ⬠ button, remote controller displays as follows:

Remote controller:

Note: In some model: The remote has the button ⬠ , but the AC doesn't have the left and right air flow auto adjustment function, this condition change the direction of vertical blades manually.This function is available for the following models:

CY-09QBIN CY-12QBIN CY-18QBIN

Cautions:

● When adjusting the flap by hand,turn off the unit.

● When humidity is high,condensate water might occur at air outlet if all vertical louvers are adjusted to left or right.

● It is advisable not to keep horizontal flap at downward position for a long time in COOL or DRY mode ,otherwise, condensate water might occur.

● When system is restarted by the remote controller it will automatically memorise the previous set swing position.
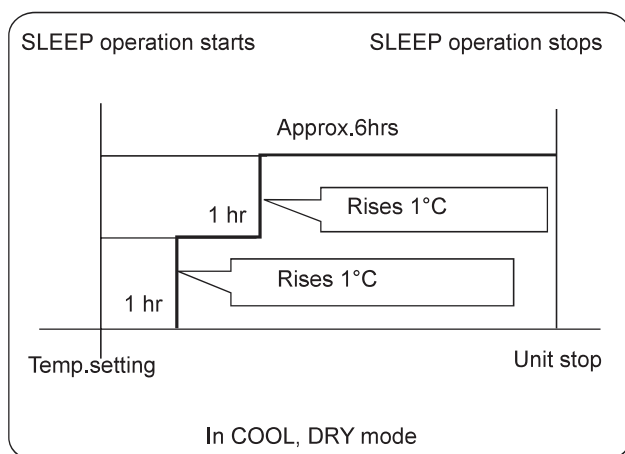
Operation

■Sleep Operation

Press [SLEEP] button, the remote controller will show ⌚ and then achieve to the sleep function. Press again this [SLEEP] button , the sleep function will be cancelled.
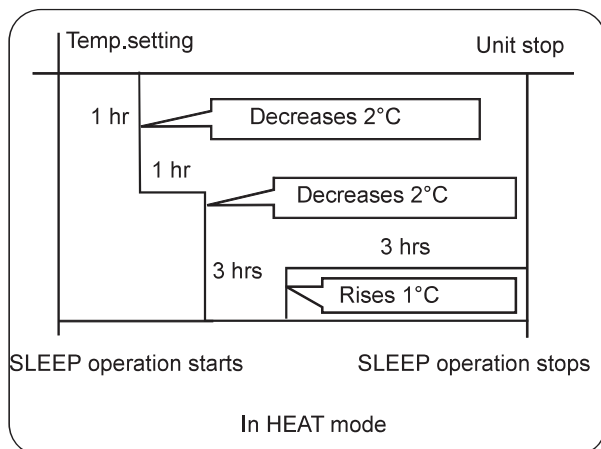
Operation Mode

1. In COOL, DRY mode

1 hour after SLEEP mode starts, temp. will become 1°C higher than temp. setting. After another 1 hour, temp. rises by 1°C further. The unit will run for further 6 hours then stops Temp. is higher than temp. setting so that room temperature won't be too low for your sleep.

```
SLEEP operation starts          SLEEP operation stops

                    Approx.6hrs

              1 hr  ┌──── Rises 1°C

                    ┌──── Rises 1°C
              1 hr

Temp.setting                        Unit stop

                In COOL, DRY mode
```

2.In HEAT mode

1 hour after SLEEP mode starts, temp will become 2°C lower than temp. setting. After another 1 hour, temp decrease by 2°C further. After more another 3 hours, temp. rises by 1°C further. The unit will run for further 3 hours then stops.Temp.is lower than temp. setting so that room temperature won't be too high for your sleep.

```
Temp.setting                    Unit stop

  1 hr ┌──── Decreases 2°C

    1 hr  ┌──── Decreases 2°C

                    3 hrs
      3 hrs  ┌──── Rises 1°C

SLEEP operation starts     SLEEP operation stops

             In HEAT mode
```

3.In AUTO mode

The unit operators in corresponding sleep mode witch adapted to the automatically selected operation mode.

4.In FAN mode

It has no SLEEP function.

5.Set the wind speed change when sleeping

Set the wind speed to low if the unit will be on during sleep times.

Note:

When the TIMER ON mode is set already, the SLEEP mode can not be set at the same time. If setting the TIMER ON mode while the SLEEP mode is already set, the SLEEP mode will be cancelled; TIMER OFF mode and SLEEP mode can be set at the same time. The unit remains power on before the set off time.

■TURBO/QUIET Operation

When you need rapid heating or cooling, you can choose the Turbo function .You can use Quiet function when silence is needed for rest or reading.

Press the [TURBO/QUIET] button, you can switch the "Turbo" and"Quiet" function easily. Every press,the remote controller will switch as below:

```
  ┌───  ↗   →   ↘   →   cancel ──┐
  │                              │
  │     TURBO      QUIET         │
  └──────────────────────────────┘
```

Note

When running in Turbo, the fan speed is the highest,when running in Quiet,the fan speed is super slow.

Operation

<div style="float:left">English</div>

■ Timer On/Off On-Off Operation

1.In remote controller turn-off mode

Press [TIMER] button, the remote controller will show "ON", after 10 seconds the time display will be blank.

2.In remote controller turn-on mode

Press [TIMER] button, the remote controller will show "OFF", after 10 seconds the time display will be blank.

3.Press [TIMER] button to set time

Press the button for each time, setting time in the first 12 hours increased by 0.5 hour every time, after 12 hours, increase by 1 hour every time.

If the button is kept pressed, time will change quickly.

4.Confirm timer setting

After adjust the time, press [CONFIRM CANCEL] button and confirm the time ON or OFF button will not flash any more.

5.Cancel timer setting

Press the [CONFIRM CANCEL] button by times until the time display eliminated.

Note:

After replacing batteries or a power failure happens, time setting should be reset.

■ Healthy airflow Operation

1.Press (⏻) to starting

Setting the comfort work conditions.

2.The setting of healthy airflow function [HEALTH AIRFLOW]

1) Press the button of health airflow, ⌐ appears on the display. Avoid the strong airflow blows direct to the body.

2) Press the button of health airflow again, ⌐ appears on the display. Avoid the strong airflow blows direct to the body.

3.The cancel of the healthy airflow function

Press the button of health airflow again, both the inlet and outlet grills of the air conditioner are opened, and the unit goes on working under the condition before the setting of airflow function. After stopping, the outlet grille will close automatically.

Notice: Do not direct the flap by hand. Otherwise, the grille will run incorrectly. If the grille is not run correctly, stop for a minute and then start, adjusting by remote controller.

Note:

1.After setting the healthy airflow function, the position grill is fixed.

2.In heating, it is better to select the ⌐ mode.

3.In cooling, it is better to select the ⌐ mode.

4.In cooling and dry, using the air conditioner for a long time under the high air humidity, condensate water may occur at the grille .

■ Wi-Fi function description

If the model has Wi-Fi function, press the "LIGHT" button for 5s to emit the Wi-Fi binding signal. Once in the binding mode, the APP will show how to bind.

The system architecture diagram
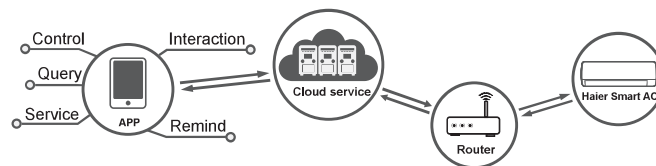
The application environment

Smart mobile phone and wireless router are necessary for the application.

Wireless router must be able to connect to the Internet.

Smart mobile phone requires IOS or Android system:

IOS system
must support IOS 9.0 or above

Android system
must support Android 5.0 or above

Configuration method

Scan the QR code below to download "hOn" APP. Other Download options: Please search hOn APP on:

● App Store (IOS)

● Google Play (Android)

● Huawei AppGallery (Android)

After App Download, please register, connect the air conditioner and enjoy using hOn to manage your device. Please refer to the HELP section inside the APP for more details about how to register, connect the unit, and other operations

Operation

■I FEEL Operation

Press [I FEEL] button

1. Only for COOLING, HEATING or AUTO mode(other modes cannot be implemented).

2. Place the remote controller within the acceptable range of air conditioner. Press the [I FEEL] button,the remote control displays the " 🖸 " icon. The remote controller sends the circulation temperature date to the indoor unit every 3 minutes, and the air conditioner runs according to this data.

3. Exit "I FEEL " mode when power off , press the [I FEEL] button or switch other modes.

■SELF-CLEAN Operation
(only applicable to mono models)

■Functional description:

the purpose of this function is to clean the evaporator.

■Entry and exit:

When the SELF CLEAN function is required, you have two ways to achieve it.

If you have a [SELF CLEAN] button , press this button to enter this function, then the display will show "CL" on the panel of the indoor unit and on the remote controller.

If you do not have a [SELF CLEAN] button ,please access in the hOn APP.

Maximum running time in this function is no more than 21 minutes. This function will exit automatically with the " Pi " sound twice, then the unit return to original state. During SELF CLEAN operation, pressing the button repeatedly will not exit the process. Press ON/OFF button to exit this mode.

NOTE:

1.This function is invalid in TIMER / SLEEP mode.

2.After this mode starts, the air volume may reduce, have no airflow, or even cold airflow blowing.

3.It is normal if the unit makes some sound when the air expands with heat and contracts with cold.

4.The "CL" display time may last differently on the remote controller and panel.

5.If the outside ambient temperature is below zero, error code "F25 "may be show up during self-cleaning operation, which is normal protection, please turn off the power and restart after 10 seconds.

6.The best condition to run this mode is temperature is between 20°C~27°C , the humidity is between 35%~60% indoors, and the temperature is between 25°C~38°C (cooling season)outdoors.

7.It is hard for the air to frost if the air is too dry (humidity<20%). The condensate water may increase if the humidity of the air is too high (humidity>70%) .

■Steri Clean Operation

When the 56°C Steri-clean function is required, please access in the hOn APP.

Introduction to Steri Clean

Stage 1 - Self Clean: to remove dirt away. This function freezes the evaporator with moisture in the air, and removes dirt during the melting process.The hydrophilic aluminium coating with smaller angel (α≈5°)helps increase water drainage efficiency.

Stage 2 - 56°C high temperature sterilisation: It utilizes smart temperature monitoring and frequency control technology to adjust the compressor operation, so that we maintain the evaporator temperature at high temperature for over 30mins to kill any bacteria and virus inside the air conditioner.

Stage 3 - Rapid evaporator cooling to enhance the sterilisation performance. The foil surface is coated with silver nano-particles which has an anti-bacterial efficiency up to 99%.

Attention:

1.The function lasts 60-80 minutes.

2.Hot air may come out during the process when evaporator is heated to 56°C or maintains at 56°C in summer.

3.This function may cause changes in room air temperature in winter.

4.When outdoor ambient temperature is above 36°C, the function cannot be performed. Instead, Self Clean function will be turned on and lasts 21mins when Steri Clean is turned on.

English

6

Operation

■ 3-Level-Eco Operation

The 3-Level-Eco function is an active energy-saving function, which can be activated by pressing the ECO button on the remote controller (ECO). The cycle goes as: L1→L2→L3→exit.

Press the ECO button once to enter L1 mode,

Press the ECO button again in L1 mode to enter L2 mode,

Press the ECO button again in L2 mode to enter L3 mode,

Continue to press the ECO button in L3 mode to exit this function.

After each press of the ECO button, the remote controller screen and air conditioning panel display L1/L2/L3 respectively for five seconds, and then return to the previous display.

The maximum energy-saving rate is 20% in L1 mode, 35% in L2 mode, and 55% in L3 mode.

Remark:

1.The indoor unit fan speed will be adjusted according to energy saving logic after entering the ECO function.

2.Capacity may decrease when ECO function is selected. If this does not meet your requirement, please exit the function.

3.The energy-saving effect will be weakened when the outdoor ambient temperature is too low or too high.

4.This function is only available for 1by1(mono) models and is invalid for 1by2~1by5(multi) models.

5.The energy-saving rate is from laboratory comparison data between normal running in high wind speed without the 3-Level-Eco function selected and running with this function selected.

EUROPEAN REGULATIONS CONFORMITY FOR THE MODELS

Climate: T1 Voltage:220-240V

CE

All the products are in conformity with the following European provision:

2014/53/EU (RED) 2014/517/EU (F-GAS) 2010/30/EU (ENERGY)
2009/125/EC (ENERGY)   2006/1907/EC (REACH)

RoHS

The products are fulfilled with the requirements in the directive 2011/65/EU of the European parliament and of council on the Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment (EU RoHS Directive)

WEEE

In accordance with the directive 2012/19/EU of the European parliament, herewith we inform the consumer about the disposal requirements of the electrical and electronic products.

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 part 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 reuse, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative cons-equences for the environment and human health. Please contact the installer or local authority for more information. Battery must be removed from the remote controller and disposed of separately in accordance with relevant local and national legislation.

Wi-Fi

- Wireless maximum transmit power (20dBm)
- Wireless operating frequency range (2400~2483.5MHz)

IMPORTANT INFORMATION REGARDING THE REFRIGERANT USED

This product contains fluorinated greenhouse gases .Do not vent into the atmosphere.

Refrigerant type: R32

GWP=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

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

Indoor Unit Installation

Necessary Tools for Installation

- Driver
- Nipper
- Hacksaw
- Hole core drill
- Spanner(17,19 and 26mm)
- Gas leakage detector or soap-and-water solution

- Torque wrench (17mm, 22mm, 26mm)
- Pipe cutter
- Flaring tool
- Knife
- Measuring tape
- Reamer

Power Source

- Before inserting power into receptacle, check the voltage without fail.
- The power supply is the same as the corresponding nameplate.
- Install an exclusive branch circuit of the power.
- A receptacle shall be set up in a distance where the power cable can be reached. Do not extend the cable by cutting it.

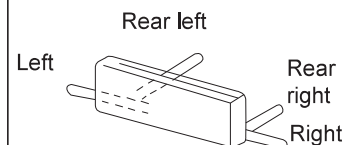## Selection of Installation Place

- Place, robust not causing vibration, where the body can be supported sufficiently.
- Place, not affected by heat or steam generated in the vicinity, where inlet and outlet of the unit are not disturbed.
- Place, possible to drain easily, where piping can be connected with the outdoor unit.
- Place, where cold air can be spread in a room entirely.
- Place, nearby a power receptacle, with enough space around.
- Place where the distance of more than 1m from televisions, radios, wireless apparatuses and fluorescent lamps can be left.
- In the case of fixing the remote controller on a wall, place where the indoor unit can receive signals when the fluorescent lamps in the room are lightened.

Drawing for the installation of indoor units

The models adopt HFC refrigerant R32.

more than 15 cm

more than 10cm

Attention must be paid to the rising up of drain hose.

more than 10cm
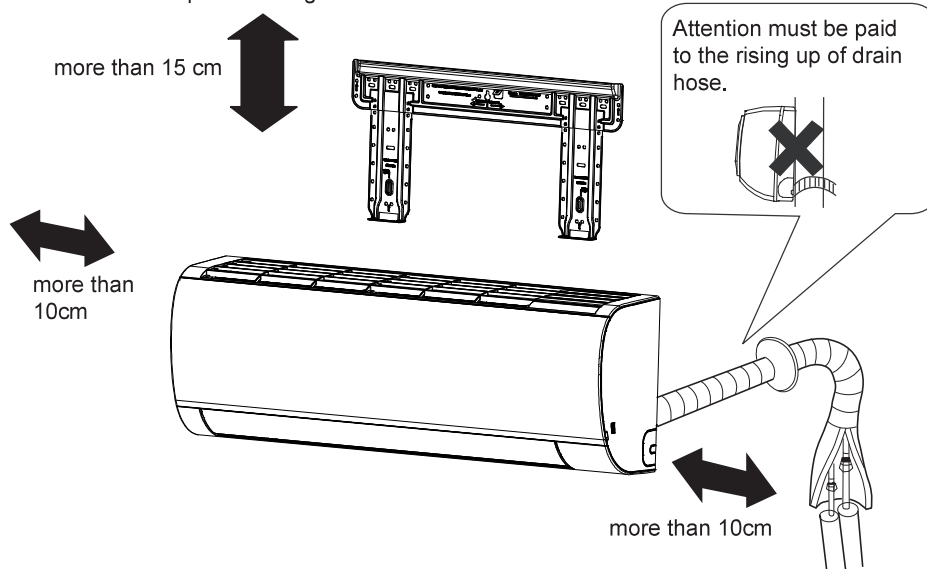
Arrangement of piping directions.

Rear left

Left

Rear right

Right

The distance between the indoor unit and the floor should be more than 2m.

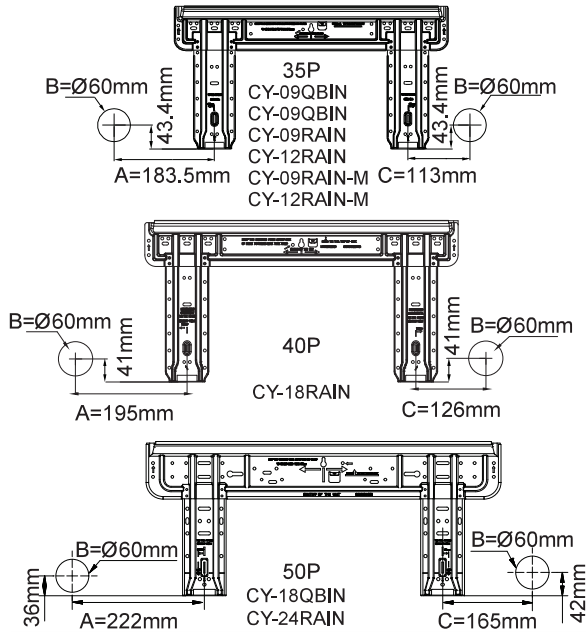Please be subject to the actual product purchased, the above picture is just for your reference.

If using the left side drain pipe, make sure the hole is got through.

Indoor Unit Installation

1 Fitting of the Mounting Plate and Positioning of the wall Hole

When the mounting plate is first fixed

1.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.

2.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/C using a measuring tape.

B=Ø60mm 43.4mm
35P
CY-09QBIN
CY-09QBIN
CY-09RAIN
CY-12RAIN
CY-09RAIN-M
CY-12RAIN-M
B=Ø60mm 43.4mm
A=183.5mm   C=113mm

B=Ø60mm 41mm
40P
CY-18RAIN
B=Ø60mm 41mm
A=195mm   C=126mm

B=Ø60mm 36mm
50P
CY-18QBIN
CY-24RAIN
B=Ø60mm 42mm
A=222mm   C=165mm

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.

2 Making a Hole on the Wall and Fitting the Piping Hole Cover

●Make a hole of 60 mm in diameter, slightly descending to outside the wall.

●Install piping hole cover and seal it off with putty after installation
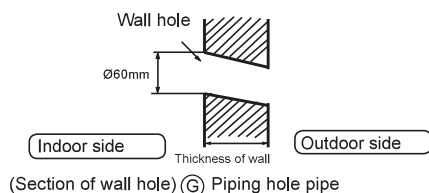
Wall hole
Ø60mm
Indoor side   Outdoor side
Thickness of wall
(Section of wall hole) Ⓖ Piping hole pipe

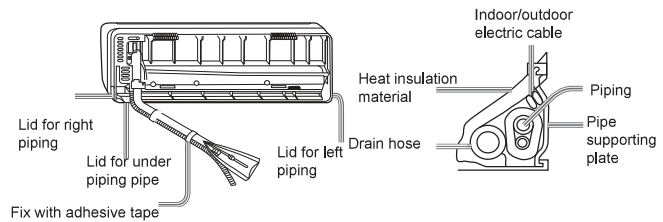**3** Installation of the Indoor Unit

Drawing of pipe

[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.
2.Insert the indoor/outdoor electric cable from backside of indoor unit, and pull it out on the front side, then connect them.
3.Coat the flaring seal face with refrigerant oil and connect pipes. Cover the connection part with heat insulation materials closely, and make sure fixing with adhesive tape.

Indoor/outdoor electric cable
Heat insulation material
Lid for right piping
Lid for under piping pipe
Lid for left piping
Drain hose
Piping
Pipe supporting plate
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 the position 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.
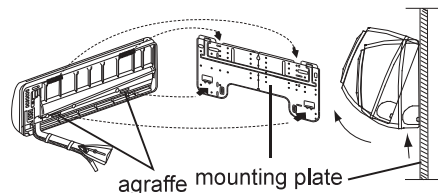
Fixing the indoor unit body

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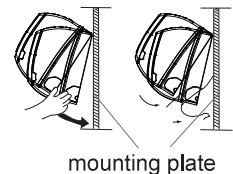
mounting plate

### 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

4 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.
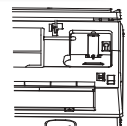
When connecting the cable after installing the indoor unit

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

Indoor unit
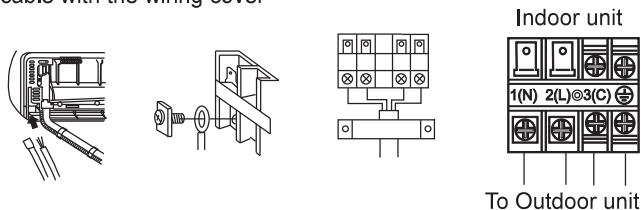
To Outdoor unit

Note:

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

Connecting wiring	4G1.0mm²

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 H07RN-F.

2.If the fuse on PC board is broken please change it with the type of T.3.15A/250VAC (Indoor).

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.
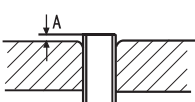
5 Power Source Installation

●The power source must be exclusively used for air conditioner.
●In the case of installing an air conditioner in a moist place, please install an earth leakage breaker.
●For installation in other places, use a circuit breaker as far as possible.

6 Cutting and Flaring Work of Piping

●Pipe cutting is carried out with a pipe cutter and burs must be removed.
● After inserting the flare nut, flaring work is carried out.

	Flare tool	Conventional flare tool	
	Clutch-type	clutch-type (Rigid-type)	Wing-nut type (Imperial-type)
A	0~0.5 mm	1.0~1.5 mm	1.5~2.0 mm

Flare tooling die

↓A

1. Cut pipe

3. Insert the flare nut

2. Remove burs

4. Flare pipe

Correct	Incorrect				
	Lean	Damage of flare	Crack	Partial	Too outside

7 On Drainage

●Please install the drain hose so as to be downward slope without fail.

●Please don't do the drainage as shown below

It becomes high midway.	The end is immersed in water	It waves.	Less than 5cm The gap with the ground is too small.	There is the bad smell from a ditch
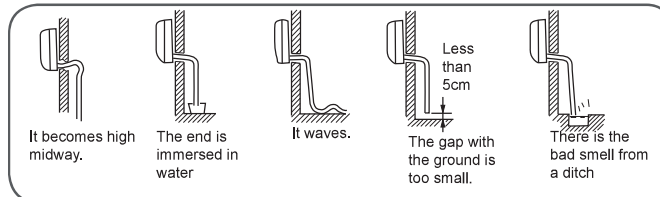
●Please pour water in the drain pan of the indoor unit, and confirm that drainage is carried out surely to outdoor.

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

8 On Drainage

Code indication	Trouble description	Analyze and diagnose
E1	Room temperature sensor failure	Faulty connector connection; Faulty thermistor; Faulty PCB;
E2	Heat-exchange sensor failure	
E4	Indoor EEPROM error	Faulty EEPROM data; Faulty EEPROM ; Faulty PCB
E7	Communication fault between indoor and outdoor units	Indoor unit- outdoor unit signal transm ission error due to wiring error; Faulty PCB;
E14	Indoor fan motor malfunction	Operation halt due to breaking of w ire inside the fan motor; Operation halt due to breaking of the fan motor lead wires; Detection error due to faulty indoor unit PCB;

9 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?