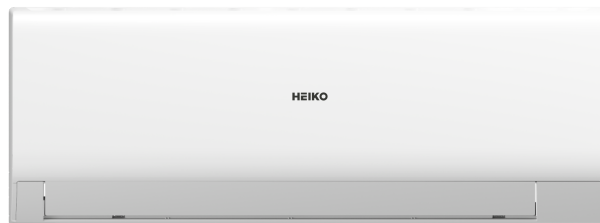


## MORA USER MANUAL



English

JS025-M1

JS035-M1

JS050-M1

JS062-M1

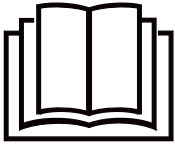
- Please read this manual before installation. The unit is filled with R32. Keep this manual in an easily accessible place.





# Contents

WARNING .....	2
Parts and Functions.....	4
Functions .....	5
Indoor Unit Installation.....	11
Maintenance .....	14
Trouble Shooting .....	14
Cautions .....	15



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 products other than those recommended by the manufacturer to speed up the defrosting process or for cleaning.
- The unit must be stored in a room where there are no permanent sources of ignition (e.g: an open flame, a gas appliance in operation or an electric heater in operation).
- 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 m<sup>2</sup>.
- 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 aged from 8 years and above 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. Cleaning and user maintenance shall not be made by children without supervision.
- The wiring method should be in line with the local wiring standard.
- All cables must have the European Certificate of Authenticity. During installation, when connecting the cables, ensure that the earth wire is connected first. The explosion-proof switch of the air conditioner must be an all-pole switch. The distance between its two contacts should not be less than 3 mm. Such means of disconnection must be incorporated in into the wiring.
- Ensure that installation is carried out by qualified personnel in accordance with local wiring regulations.
- 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.
- A warning that the required ventilation openings must be kept free of any obstructions.
- A notice that servicing shall be performed only as recommended by the manufacturer;
- A warning that ducts connected to equipment must not contain potential ignition sources.
- All handling, installation, servicing and disposal shall be done by qualified persons.

English



No fire source around the place of installation



Cotton clothes



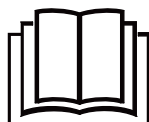
Anti-static gloves



BEWARE ELECTROSTATICS



Goggles



Read operator' manual



Read technical manual



Operator' manual; operating instructions

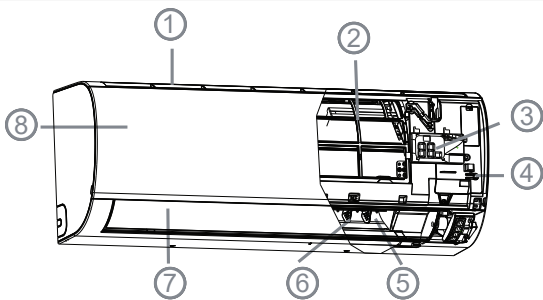
- The area of the room in which R32 refrigerant air conditioner is installed cannot be less than the minimum area specified in the table below, to avoid potential safety problems due to out-of-limit of refrigerant concentration inside the room caused by leakage of refrigerant from refrigeration system of the indoor unit.

### Minimum Room Area

Type	LFL kg/m <sup>3</sup>	Total Mass Charged/kg					
		Minimum Room Area/m <sup>2</sup>					
		Minimum Mounting Height/m					
R32	0.307	1.781	2.519	3.708	4.932	6.170	7.965
		3	6	13	23	36	60
		1.8					

# Parts and Functions

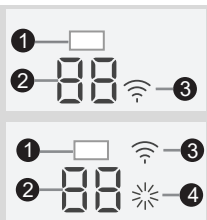
## Indoor Unit



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 (adjusts up and down air flow. Don't adjust it manually)
8. Front panel

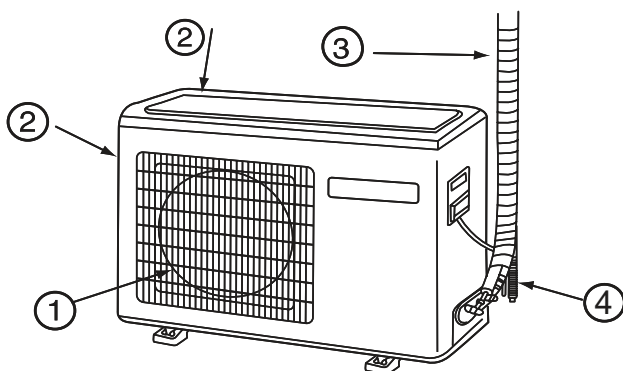
### Display board

1. Signal receiver
2. Temp. display
3. Wi-Fi
4. Operation mode indicator (lights up when the compressor is on.)



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

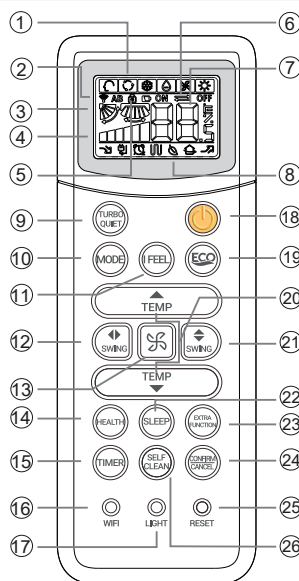
## Outdoor Unit



1. OUTLET
2. INLET
3. CONNECTING PIPING AND ELECTRICAL WIRING
4. DRAIN HOSE

The picture above is purely for reference, please refer to the actual purchased product.

## Remote Controller



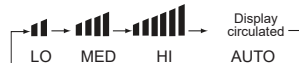
Operation mode	QUIET	SLEEP	ECO	HEALTH	TURBO
Remote controller					

9. TURBO/QUIET button
10. MODE button
11. I FEEL button
12. SWING left/right button
13. FAN SPEED button
14. HEALTH button
15. TIMER button
16. WIFI button
17. LIGHT button Controls the lightening and extinguishing of the indoor LED display board.
18. POWER ON/OFF button
19. ECO button
20. TEMP button
21. SWING up/down button
22. SLEEP button
23. EXTRA FUNCTION button Position 1: A-B yard Position 2: Healthy airflow 1 Position 3: Healthy airflow 2 Position 4: 10° heating Position 5: °F/°C conversion Position 6: Mould Proof
24. CANCEL/CONFIRM button Use this button to cancel timer and/or other active additional functions
25. RESET button When the remote's display shows abnormal appearance, press this button for 3s to reset it.
26. SELF CLEAN button

### 1. Mode

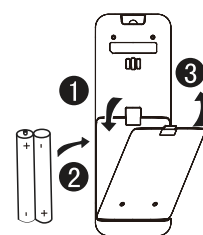
Operation mode	AUTO	COOL	DRY	FAN	HEAT
Remote controller					

2. Signal sending
3. SWING
4. FAN SPEED



5. LOCK
6. TIMER OFF  
TIMER ON
7. TEMP
8. Additional functions

## Loading the Battery



1. Remove the battery cover
2. Load the batteries as illustrated, making sure they are in line with the +/- signs. Battery type: R-03, resetting key (cylinder)
3. Load the battery, then put on the cover back again.

### Note:

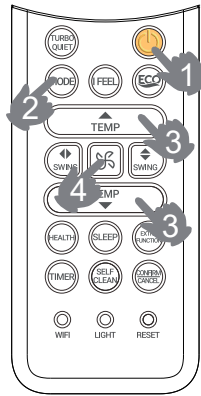
- The distance between the signal transmission head and the receiver hole should be within 7m without any obstacle as well.
- When an electronic-started or change-over fluorescent lamp is installed in the room or there is a wireless telephone, the receiver may be disturbed/not properly receive signals. The distance to the indoor unit must, therefore, be shorter to allow proper functioning.
- 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.

# Functions

## Base Functions

Remote controller



### 1. Starting the unit

By pressing ON/OFF on the remote controller, the unit starts operating.

### 2. Selecting operation mode

MODE button: for each press, the operating mode changes as follows:

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

### 3. Setting temperature

By pressing / button

Every time the button is pressed, the temp. setting will increase of 1°C; when the button is kept pressed, the temp. setting increases more rapidly

Every time the button is pressed, the temp. setting will decrease of 1°C; when the button is kept pressed, the temp. setting decreases more rapidly

Select a desired temperature.

### 4. Fan speed selection

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

Remote controller:



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.

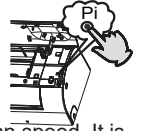
Mode	Remote controller display	Note
AUTO		When AUTO mode is selected, the air conditioner automatically adjusts the fan speed and the operation mode (Cooling/Heating) according to room temperature.
COOL		In COOLING mode, the air conditioner will blow out cold air.
DRY		In DRY mode, if the room temperature is lower than temp. setting of about 2 °C, the unit will run intermittently at LOW fan speed regardless of the selected fan setting.
HEAT		In HEATING mode, warm air will blow out just right after a short time frame when the AC is still blowing cold air (draft prevention function).
FAN		In FAN operation mode, the unit will only use the fan and not operate in any mode. When this mode is active, AUTO mode and SLEEP mode are not available and temp. setting is disabled.

## Emergency Operation and Test Operation

### Emergency Operation:

- Use this operation only when the remote controller is defective or lost; when emergency operation is running, the air conditioner will 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 °C	24 °C	No	AUTO	COOL
Below 24 °C	24 °C	No	AUTO	HEAT

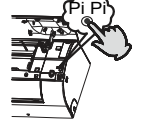


- It is not possible to change the settings of temp. and fan speed. It is also not possible to operate in TIMER or DRY mode.

### 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 standard 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 at fan speed set "Hi".



## Air Flow Direction Adjustment

### 1. Up and down air flow adjustment

Vertical flap



COOL/DRY/AUTO/FAN



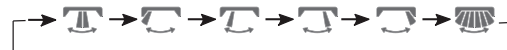
HEAT

(Initial state)

### 2. Left and right air flow adjustment

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

Remote controller:



Note: in some models, although the remote has the button



, the AC doesn't have the left and right air flow auto adjustment function, This function allows to change the direction of vertical blades manually .

Cautions:

- When adjusting the flap by hand, turn off the unit.
- When humidity is high, condensed water might drop from the flaps when adjusting them.
- 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 the system is restarted by the remote controller, the AC will automatically memorise the previous set swing position.
- This function is unavailable on some models. For more details, please contact your dealer.

# Functions

## SLEEP Function

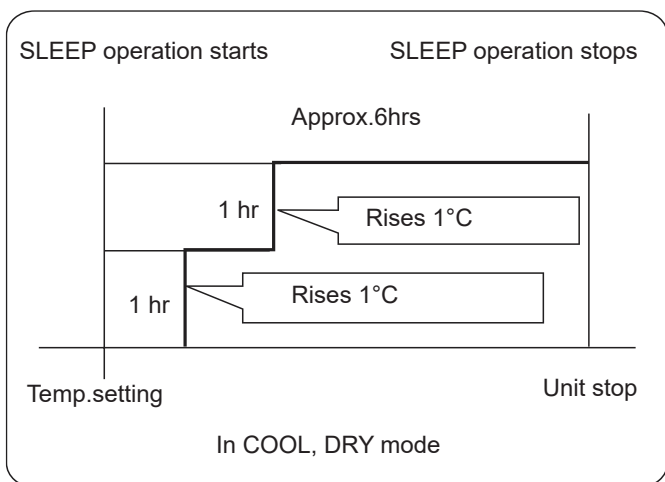
By pressing  button, the sleep function will be activated and the remote controller will show . By pressing the button again, the sleep function will be deactivated.



Sleep function in different operation modes

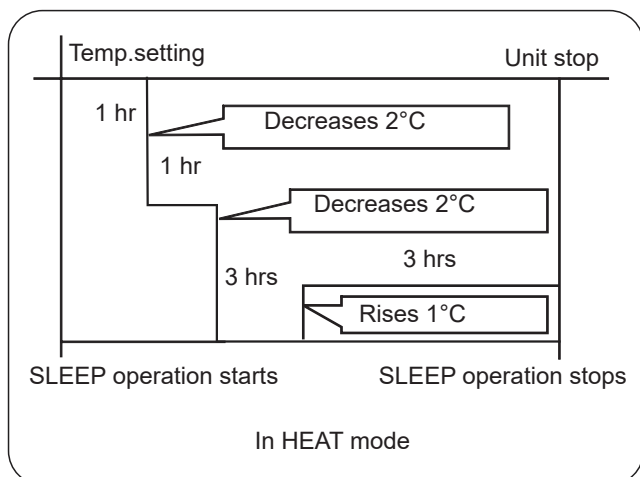
### 1. In COOL or DRY mode

1 hour after SLEEP mode starts, temp. will be kept 1°C higher than temp. setting. After another 1 hour, working temp. rises by 1°C further. The unit will run for further 6 hours, then stops. Having the temperature higher than the set is to prevent the room temperature being too low for your sleep.



### 2. In HEATING mode

1 hour after SLEEP mode starts, temp. will be kept 2°C lower than temp. setting. After another 1 hour, working temp. drops by 2°C further. After 3 more hours, the temperature will be increased by 1°C. The unit will run for further 3 hours, then stops. Having the temperature lower than the set is to prevent the room temperature being too high for your sleep.



### 3. In AUTO mode

The unit operates in sleep mode corresponding to the selected operating mode.

### 4. In FAN mode

It is not possible to activate 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 has been previously set, the SLEEP mode cannot be activated at the same time. If the timer is set while the SLEEP mode is already active, the sleep function will be turned off.

## TURBO/QUIET

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  button, you can switch from "Turbo" and "Quiet" function easily. To each button press, the remote controller will show as below:




Note:

When running in Turbo, the fan speed is set at "Hi"; when running in Quiet, the fan speed is set at "Lo".

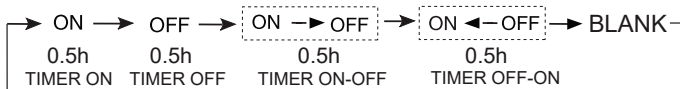
# Functions

## Timer On/Off On-Off

1. After the unit starts, select your desired operation mode.


2. Press  button to enter in TIMER mode. Every time the button is pressed, display changes as follows:


Remote controller:



Then select your desired TIMER mode (TIMER ON or TIMER OFF or TIMER ON-OFF). "ON" or "OFF" will flash.


3. Press  /  button to set the timer:

 By each press of this button, setting time in the first 12 hours increases by 0.5 hour; after 12 hours, increases by 1 hour.


 By each press of this button, setting time in the first 12 hours decreases by 0.5 hour every time; after 12 hours, decreased by 1 hour.

It can be adjusted within 24 hours.

4. Confirm timer setting

After adjusting the desired timer, press  button and confirm the timer; the button will not flash anymore.


5. Cancel timer setting

Press the  button until the time is no longer displayed.

Hints:


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

## Healthy Airflow

1. Press  to start the air conditioner


Set the optimal working conditions (Cooling/Heating/Fan etc.)

2. How to set healthy airflow function



Press  button to enter additional options.

Press this button repeatedly: the swings will change position as follows



Then, choose the desired swing location by pressing the  button to confirm.


3. Cancel healthy airflow function


Press  button as described above, then press  button to cancel.

Notice: Do not change the flap's direction by hand, otherwise the grille will run incorrectly. If the grille does not run correctly, stop for a minute and then start, adjusting it by the remote controller.

Note:

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

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

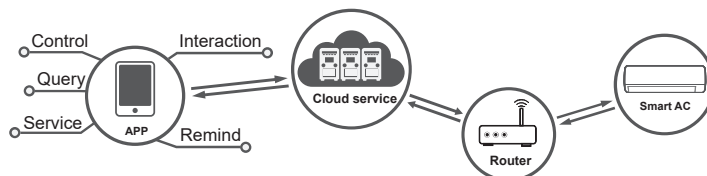
3. In cooling, it is better to select the  mode.

4. In cooling and dry, using the air conditioner for a long time might lead to formation of condensed air on the flaps.

## Wi-Fi

If the model has Wi-Fi function, press the "WIFI" button for 3s 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 "Intelligent Air" APP. Other Download options: Please search Intelligent Air APP on:

- App Store (IOS)
- Google Play (Android)



After App Download, please register, connect the air conditioner and enjoy using "Intelligent Air" APP to manage your device.

Scan the QR code below to enter into the Wi-Fi.





# Functions

## I FEEL

This function can be activated only with COOLING, HEATING or AUTO mode

1. Point the remote controller towards the air conditioner.

Press the  button; the remote control displays the "" icon. The remote controller sends the temperature data to the indoor unit every 3 minutes, which will run the selected mode accordingly.

2. To exit "I FEEL" mode, press the  button or switch to other modes.

NOTE:


When activating I FEEL, please put the remote controller near the user. Do not put the remote controller near any object at high or low temperature to avoid detecting inaccurate ambient temperature. When I FEEL function is turned on, the remote controller should be put within the area where indoor unit can receive the signal sent by the remote controller.

## SELF-CLEAN

(Only applicable to mono models.)

The purpose of this function is to clean the evaporator.

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

1. If you have a  button, press it to activate the Function;

"CL" will be shown on both the panel of the indoor unit and on the remote controller.

2. If you do not have a  button, you can activate it via the Intelligent Air APP.

Maximum running time for this function is 21 minutes. This function will exit automatically with the "Pi" sound twice, then the unit returns to original working mode. 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 cannot be activated under TIMER / SLEEP mode.

2. After this function starts, the air volume may be reduced, there might be no airflow, or even cold air could come out the AC.

3. It is normal if the unit makes some noise 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 shown up during self-cleaning operation. Please turn off the power and restart the AC after 10 seconds.

6. The best conditions to run this mode are: indoor temperature between 20°C and 27°C, humidity between 35% and 60% (indoor), outdoor temperature between 25°C and 38°C (cooling season).

7. Some condensed water may appear if the humidity is >70%.

## 56 °C STERI-CLEAN

(Only applicable to mono models.)

When the 56°C Steri-clean function is required, please access in the Intelligent Air 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 angle ( $\alpha \approx 5^\circ$ ) 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.

# Functions

## ■ ECO

(Only applicable to mono models.)

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

Press the ECO button once to start 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, then return to the previous display.

The maximum energy-saving rate is 52%. Remarks:

- 1.The indoor unit fan speed will be adjusted according to energy saving logic after activating the ECO function.
- 2.Cooling/Heating capacity may decrease when ECO function is selected. If this does not meet your requirements, please exit the function.
- 3.The energy-saving effect is lower when the outdoor ambient temperature is too low or too high.
- 4.This function is only available for 1by1 (mono) configurations.
- 5.The energy-saving estimations have been made from laboratory comparison data between normal running in high fan speed without the 3-Level-Eco function 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 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, the 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 reuse, 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. Battery must be removed from the remote controller and disposed of separately in accordance with relevant local and national legislation.

### Wi-Fi

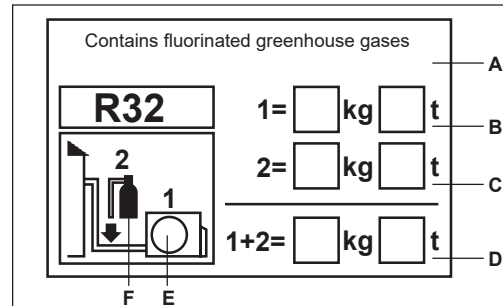
- Wireless maximum transmit power (20dBm)
- Wireless operating frequency range (2400~2483.5MHz)

Exposed network interfaces and services via network interfaces in factory default state.

Network interface	Network service	Description
WLAN interface	HTTPS service DHCP service 53127 UDP port 64385 UDP port	The WLAN interface, HTTPS service and DHCP service are for network connection or network configuration.  53127 /UDP port and 64385 /UDP port are used to implement network provisioning functionality.
Bluetooth interface	/	The Bluetooth interface is for network configuration

The device will collect and store the Wi-Fi account password you entered, solely for the purpose of network connectivity.

## 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

$tCO_2 = \text{the total refrigerant charge} \times \text{GWP} / 1000$

Please indicate with indelible ink:

- 1 the refrigerant charge of the product from factory
- 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 valve 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.

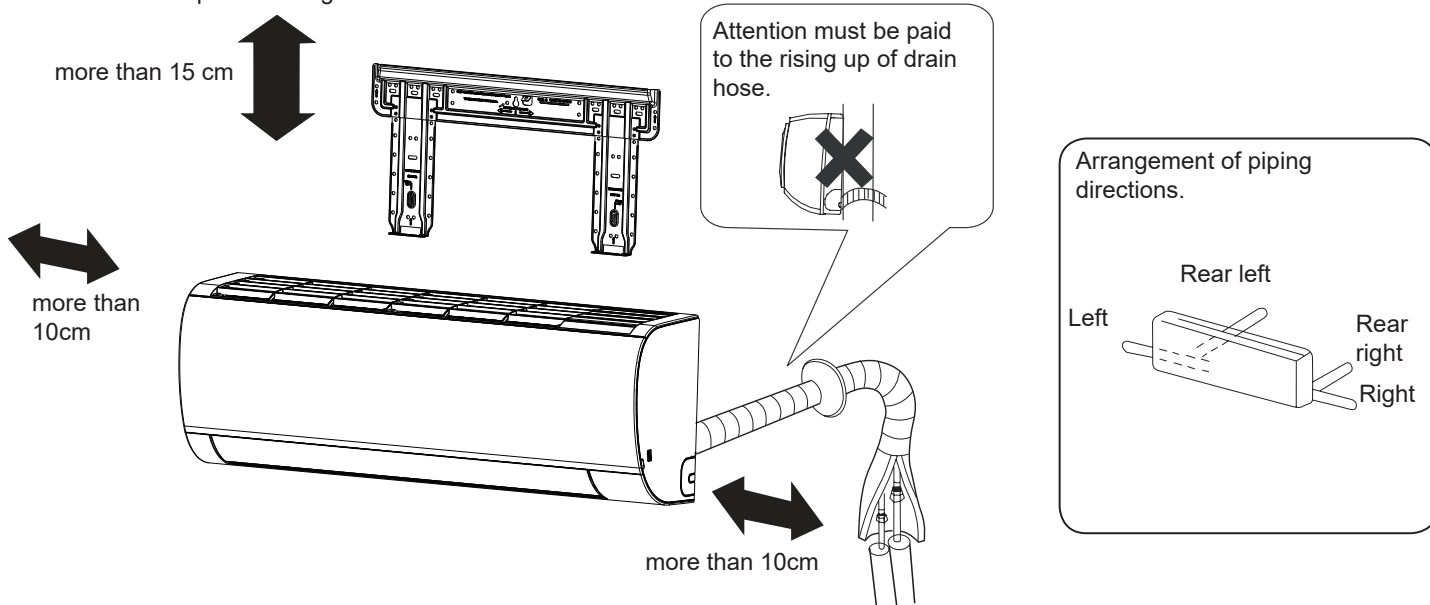
## Selection of Installation Place

The installation place must:

- be robust enough not to cause vibration and where the unit can be supported sufficiently
- be not affected by heat or steam generated in its proximity
- make possible to drain easily: piping can be connected with ease with the outdoor unit
- ensure cold air can be spread in the entire room
- be nearby a power receptacle, with enough space around it
- guarantee the distance of more than 1m from televisions, radios, wireless apparatuses and fluorescent lamps
- ensure the indoor unit can receive signals when the fluorescent lamps in the room are lightened in the case of fixing the remote controller on a wall

## Installation of indoor units - Drawings

The models adopt HFC refrigerant R32.



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

Please refer to the actual purchased product; the above picture is just for your reference.



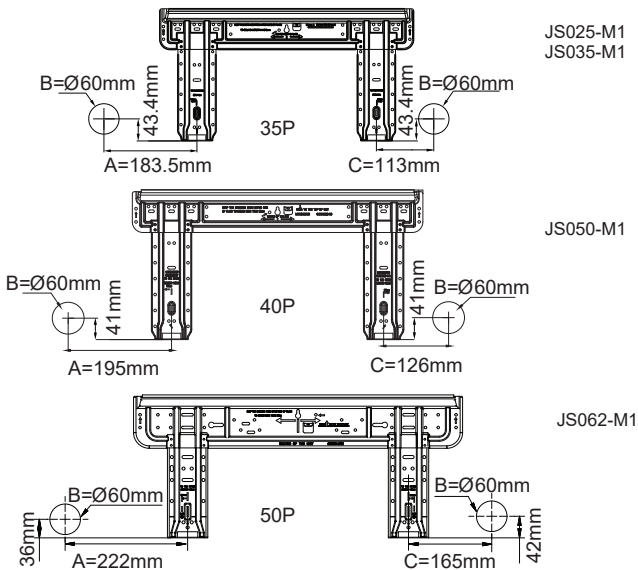
If using the left side drain pipe, make sure the hole is not obstruct.

# Indoor Unit Installation

## 1 Fitting of the mounting plate and positioning of the wall hole

Fix first the mounting plate

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.

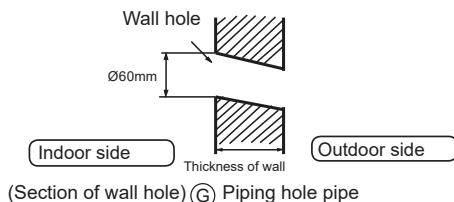


Once the mounting plate is fixed, fix to the side bar and lintel

- Fix to side bar and lintel a mounting bar (sold separately) and then fasten the plate to the fixed mounting bar.
- Refer to the previous section 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



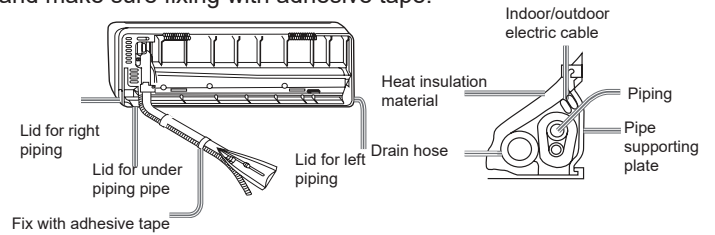
## 3 Installation of the Indoor Unit

Drawing of pipe

1. Rear piping
  - Draw pipes and the drain hose, then fasten them with the adhesive tape.

### 1. Left/Left-rear piping

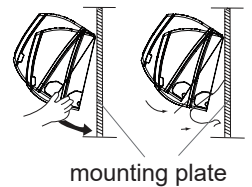
- In case of left side piping, cut away with a nipper the lid for left piping.
  - In case of left-rear piping, bend the pipes according to the piping direction to the mark of hole for left-rear piping which is marked on heat insulation materials.
1. Insert the drain hose into the dent of heat insulation materials of indoor unit.
  2. Insert the indoor/outdoor electric cable from the backside of the indoor unit, 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 and drain hose must be bound with refrigerant piping by protecting tape.
2. 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, then pull out the part connected to the heat insulation.

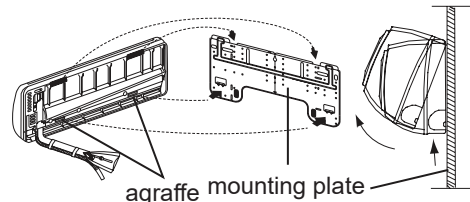
Fixing the indoor unit body

- Hang firmly 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



Unloading of indoor unit body

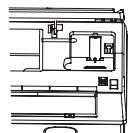
- When you unload the indoor unit, please use your hand to arise the body to leave agraffe, then lift the bottom of the body slightly outwards and lift the unit aslant until it leaves the mounting plate.



## 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.

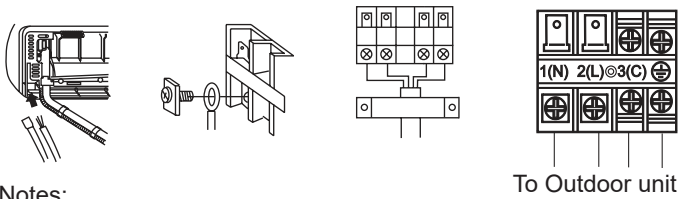


### Connecting the cable after installing the indoor unit

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

### Connecting the cable before installing the indoor unit

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



Notes:

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 4G1.0mm<sup>2</sup>

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.

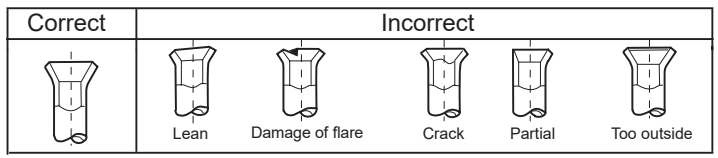
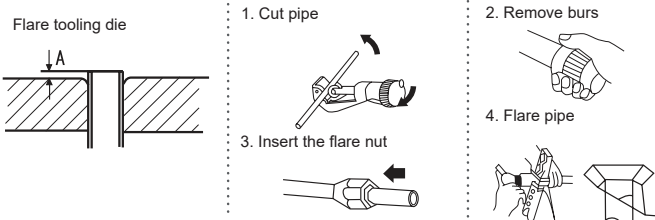
### 5 Power Source Installation

- The power source must be exclusively used for the 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

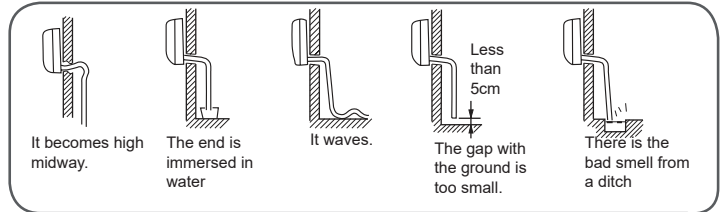
- Pipe cutting is carried out with a pipe cutter and burs must be removed.
- After inserting the flare nut, flaring work is carried out.

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



### 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



- 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, heat insulation must be applied to it.

### 8 On Drainage

Code indication	Trouble description	Analyze and diagnose
E1	Room temperature sensor failure	Faulty connector connection; Faulty thermistor;
E2	Heat-exchange sensor failure	Faulty PCB;
E4	Indoor EEPROM error	Faulty EEPROM data; Faulty EEPROM ; Faulty PCB
E7	Communication fault between indoor and outdoor units	Indoor unit- outdoor unit signal transmission error due to wiring error; Faulty PCB;
E14	Indoor fan motor malfunction	Operation halt due to breaking of wire 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.

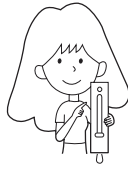
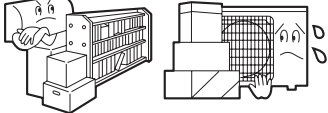

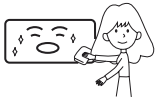
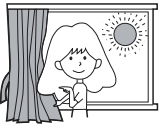
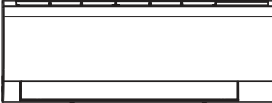
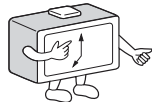


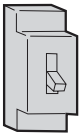
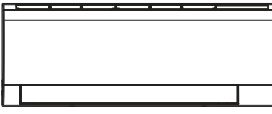
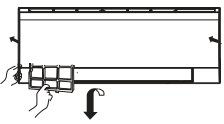
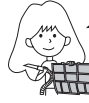
#### Check Items for Test Run

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?






# Maintenance

## For Smart Use of The Air Conditioner

<p>Setting of proper room temperature.</p>  <p>Proper temperature</p>	<p>Do not block the air inlet or outlet.</p> 	<p>Remote Controller</p> <p>Do not use water, wipe the controller with a dry cloth. Do not use glass cleaner or chemical cloth.</p> 	<p>Indoor Body</p> <p>wipe the air conditioner by using a soft and dry cloth. For serious stains, use a neutral detergent diluted with water. Wring the water out of the cloth before wiping, then wipe off the detergent completely.</p> 
<p>Close doors and windows during operation.</p>  <p>During cooling operation prevent the penetration of direct sunlight with curtain or blind.</p>	<p>Use the timer effectively.</p>  	<p><b>Do not</b> use the following for cleaning</p>   <p><b>Do not</b> use <b>any</b> chemicals or chemically treated cloths to clean the unit</p> <p><b>Do not</b> use benzene, paint thinner, polishing powder or other solvents to clean the unit. They can cause the plastic surface to crack or deform.</p> <p>Hot water over 40 °C (104 °F) may cause discoloring or deformation.</p>	
<p>If the unit is not to be used for a long time, turn off the power supply main switch.</p>  <p>OFF</p>	<p>Use the louvers effectively</p> 	<p><b>Air Filter cleaning</b></p> <ol style="list-style-type: none"> <li>Open the inlet grille by pulling it upward.</li> <li>Remove the filter.</li> </ol> <p>Push up the filter's center tab slightly until it is released from the stopper, and remove the filter downward.</p>  <ol style="list-style-type: none"> <li>Clean the filter.</li> </ol> <p>Use a vacuum cleaner to remove dust, or wash the filter with water. After washing, dry the filter completely in the shade.</p> <ol style="list-style-type: none"> <li>Re-insert the filter</li> </ol> <p>Attach the filter correctly so that the "FRONT" indication is facing to the front. Make sure that the filter is completely fixed behind the stopper. If the right and left filters are not attached correctly, that may cause defects.</p>  <p>Once every two weeks</p> <ol style="list-style-type: none"> <li>Close the inlet grille.</li> </ol>	

# Trouble Shooting

Before asking for service, check the following first.

	Phenomenon	Cause or check points		Phenomenon	Cause or check points
Normal Performance inspection	The system does not restart immediately.	<ul style="list-style-type: none"> <li>When unit is stopped, it won't restart immediately until 3 minutes have elapsed to protect the system.</li> <li>When the electric plug is pulled out and reinserted, the protection circuit will work for 3 minutes to protect the air conditioner.</li> </ul> 	Multiple check	In dry mode, fan speed can't be changed.	<ul style="list-style-type: none"> <li>In DRY mode, when room temperature becomes lower than temp. setting of 2 °C, the unit will run intermittently at LOW fan speed regardless of initial fan setting.</li> </ul>
	Noise is heard	<ul style="list-style-type: none"> <li>During unit operation or at stop, a swishing or gurgling noise may be heard. In the first 2-3 minutes after unit start, this noise is more noticeable. (This noise is generated by refrigerant flowing in the system.)</li> <li>During unit operation, a cracking noise may be heard. This noise is generated by the casing expanding or shrinking because of temperature changes.</li> <li>Should there be a big noise from air flow in unit operation, air filter may be too dirty.</li> </ul> 		 <ul style="list-style-type: none"> <li>Is power plug inserted?</li> <li>Is there a power failure?</li> <li>Is fuse blown out?</li> </ul>	
	Smells are generated.	<ul style="list-style-type: none"> <li>This is because the system circulates smells from the interior air such as the smell of furniture, paint, cigarettes.</li> </ul>		 <ul style="list-style-type: none"> <li>Is the air filter dirty? Normally it should be cleaned every 15 days.</li> <li>Are there any obstacles before inlet and outlet?</li> <li>Is temperature set correctly?</li> <li>Are there some doors or windows left open?</li> <li>Is there any direct sunlight through the window during the cooling operation? (Use curtain)</li> <li>Are there too much heat sources or too many people in the room during cooling operation?</li> </ul>	
	Mist or steam are blown out.	<ul style="list-style-type: none"> <li>During COOL or DRY operation, indoor unit may blow out mist. This is due to the sudden cooling of indoor air.</li> </ul> 			

# Cautions

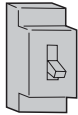
## ⚠ WARNING

Please call Sales/Service Shop for the installation.

Do not attempt to install the air conditioner by yourself because improper installation may cause electric shock, fire, water leakage.

## ⚠ CAUTION

When abnormalities such as burnt smells are present, immediately switch the power button off and contact sales shop.

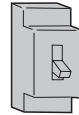


OFF



STRICT ENFORCEMENT

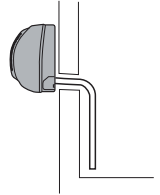
Use an exclusive power source with a circuit breaker



Check proper installation of the drainage securely



STRICT ENFORCEMENT



Connect power supply cord to the outlet completely



STRICT ENFORCEMENT

Use the proper voltage



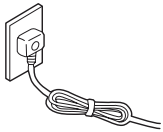
STRICT ENFORCEMENT

1. Do not use extended power supply cord or connected halfway cord.  
2. Do not install in any place where there is any possibility of inflammable gas leakage around the unit.  
3. Do not expose the unit to vapor or oil steam.



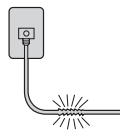
PROHIBITION

Do not use power supply cord in a bundle.



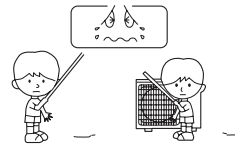
PROHIBITION

Take care not to damage the power supply cord.



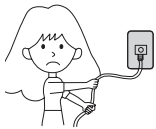
PROHIBITION

Do not insert objects into the air inlet or outlet.



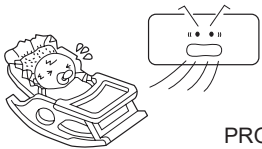
PROHIBITION

Do not start or stop the operation by disconnecting the power supply cord and so on.



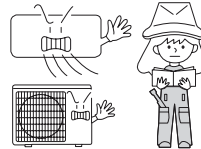
PROHIBITION

Do not channel the air flow directly at people, especially at infants or the aged.

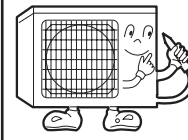


PROHIBITION

Do not try to repair or reconstruct by yourself.



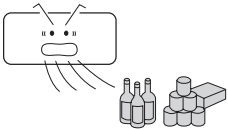
Connect the ground cable



earthing

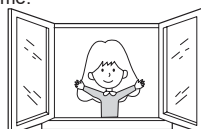
## ⚠ CAUTION

Do not use for the purpose of storage of food, art work, precise equipment, breeding, or cultivation.



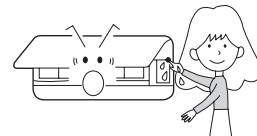
PROHIBITION

Take fresh air occasionally especially when more than one gas-based appliance is running at the same time.



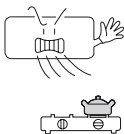
STRICT ENFORCEMENT

Do not operate the switch with wet hands.



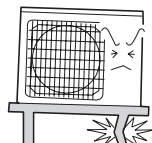
PROHIBITION

Do not install the unit near a fireplace or other heating sources.



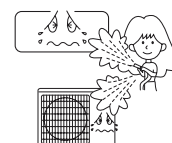
PROHIBITION

Ensure proper conditions of the installation stand.



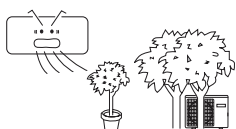
PROHIBITION

Do not pour water onto the unit for cleaning.



PROHIBITION

Do not place animals or plants in the direct path of the air flow.



PROHIBITION

Do not place any objects on / do not climb on the unit.

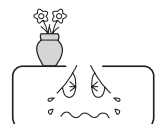


PROHIBITION

Do not place flower vases or any water containers on the top of the unit.



PROHIBITION



# Cautions

● Do not obstruct or cover the ventilation grille of the air conditioner. Do not put fingers or any other things into the inlet/outlet and swing louver.

● This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instructions concerning the proper use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Specifications:

● The refrigerating circuit is leak-proof.

The machine is adaptive in following situation:

1. Applicable ambient temperature range:

Cooling	Indoor	Maximum: D.B/W.B 35°C/24°C Minimum: D.B/W.B 21°C/15°C
	Outdoor	Maximum: D.B/W.B 43°C/26°C Minimum: D.B -20°C
Heating	Indoor	Maximum: D.B 27°C Minimum: D.B 10°C
	Outdoor	Maximum: D.B/W.B 24°C/18°C Minimum: D.B -20°C

2. If the power supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person.

3. If the fuse of indoor unit on PC board is broken, please change it with the type: T. 3.15A/ 250V. If the fuse of outdoor unit is broken, change it with the type: T.25A/250V.

4. The wiring method should be in line with the local wiring standards.

5. After installation, the power plug should be easily reached.

6. The waste battery should be disposed properly.

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

8. Children should be supervised to ensure that they do not play with the appliance.

9. Please employ the proper power plug, which has to fit into the power supply cord.

10. The power plug and connecting cable must respect the local standards and must be certified accordingly.

11. In order to protect the units, please turn off the A/C first, and at least 30 seconds later cut off the power.

**Generalny Dystrybutor Systemów  
Klimatyzacji i Pomp Ciepła HEIKO**

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**Tel. +48 782 887 887**

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