

# OWNER'S MANUAL

# AIR CONDITIONER

Please read this manual carefully before operating your set and retain it for future reference.

## MODELS: WALL MOUNTED

K07EHC NTE1 K07EHC UTE1

K09EHC NTE1 K09EHC UTE1

K12EHC NTE1 K12EHC UTE1

The equipment complies with requirements of the Technical Regulation, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

## TIPS FOR SAVING ENERGY

Here are some tips that will help you minimize the power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool excessively indoors. This may be harmful for your health and may consume more electricity.
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly, in a short period of time.
- Open windows regularly for ventilation as the indoor air quality may deteriorate if the air conditioner is used for many hours.
- Clean the Air filter once every 2 weeks. Dust and impurities collected in the Air filter may block the air flow or weaken the cooling / dehumidifying functions.

### *For your records*

Staple your receipt to this page in case you need it to prove the date of purchase or for warranty purposes. Write the model number and the serial number here:

Model number : \_\_\_\_\_

Serial number : \_\_\_\_\_

You can find them on a label on the side of each unit.

Dealer's name : \_\_\_\_\_

Date of purchase : \_\_\_\_\_

# IMPORTANT SAFETY INSTRUCTIONS

## **READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.**

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product

### **! WARNING**

It can result in serious injury or death when the directions are ignored

### **! CAUTION**

It can result in minor injury or product damage when the directions are ignored

### **! WARNING**

- Installation or repairs made by unqualified persons can result in hazards to you and others.
- Air conditioner Shall be installed in accordance with national wiring regulations.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.
- 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 instruction concerning 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.
- When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.

### **Installation**

- Use a standard circuit breaker and fuse conforming with the rating of the air conditioner. Failure to do so may result in electric shock or product failure.
- Contact an authorized service center when you install or relocate the air conditioner. Failure to do so may result in serious injury or product failure.
- Always use a power plug and socket with a ground terminal. Failure to do so may result in electric shock or product failure
- Install the panel and the cover of the control box safely. Failure to do so may result in explosion or fire.
- Install a dedicated electric outlet and circuit breaker before you use the air conditioner. Failure to do so may result in electric shock or product failure.
- Use a standard circuit breaker and fuse conforming with the rating of the air conditioner. Failure to do so may result in electric shock or product failure.
- Do not modify or extend the power cable. If the power cable or cord has scratches or skin peeled off or deteriorated then it must be replaced. It may result in fire or electric shock.
- Be cautious when you unpack or install the air conditioner. Failure to do so may result in serious injury or product failure.
- Contact an authorized service center when you install or relocate the air conditioner. Failure to do so may result in serious injury or product failure.

## 4 IMPORTANT SAFETY INSTRUCTIONS

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- Do not install the air conditioner on an unstable surface or where there may be a danger of it falling. It may result in death, serious injury, or product failure.
- Use inflammable gas (nitrogen) to inspect leak and to purge air, using compressed air or flammable gas may cause fire or explosion.
- Please keep the protective film of reset switch. It is used to protect the PCB from ESD damage.

### Operation

- Do not let the air conditioner run for a long time when the humidity is very high or when a door or window has been left open. Failure to do so may result in product failure.
- Make sure that the power cord is not pulled or damaged while the air conditioner is operating. Failure to do so may result in fire, electric shock, or product failure.
- Do not place any objects on the power cord. It may result in electric shock or product failure.
- Do not turn on or off the air conditioner by plugging in or unplugging the power plug. It may result in fire or electric shock.
- Do not touch, operate or repair the air conditioner with wet hands. It may result in electric shock or product failure.
- Do not place a heater or other heating appliances near the power cable. It may result in fire, electric shock, or product failure.
- Do not allow water to run into the air conditioner. It may result in explosion or fire.
- Do not leave flammable substances such as gasoline, benzene and thinner near the air conditioner. It may result in explosion or fire.
- Do not use the air conditioner for an extended period of time in a small place without ventilation. Ventilate the place regularly. Failure to do so may result in explosion or fire.
- When there is a gas leak, ventilate sufficiently before using the air conditioner again. Failure to do so may result in explosion or fire.
- Unplug the power plug if there is a noise, smell or smoke coming from the air conditioner. Failure to do so may result in explosion or fire.
- Stop operating and close the window in storm or hurricane. If possible remove the product from the window before hurricane arrives
- Do not touch the electrostatic filter after opening the front grille. Failure to do so may result in electric shock or product failure.
- Contact an authorized service center when the air conditioner is submerged into water due to flooding. Failure to do so may result in explosion or fire.
- Be cautious water could not enter the product.
- Make sure to ventilate sufficiently when this air conditioner and a heating appliance such as a heater are used simultaneously. Failure to do so may result in fire, serious injury, or product failure.
- Turn the main power off and unplug the power plug when you clean or repair the air conditioner. Failure to do so may result in death, serious injury, or product failure.
- Unplug the power plug when the air conditioner is not used for an extended period of time. Failure to do so may result in product failure.
- Do not place any objects on the air conditioner. It may result in product failure.

### **WARNING**

- For inner cleaning, contact an Authorized Service Center or a dealer. Do not use harsh detergent that causes corrosion or damage on the unit. Harsh detergent may also cause failure of product, fire, or electronic shock.



## CAUTION

### Installation

- Make sure to check if there is a refrigerant leak after you install or repair the air conditioner. Failure to do so may result in product failure.
- Install the drain hose properly for smooth drainage of condensed water. Failure to do so may result in product failure.
- Keep level even when installing the product.
- Install the air conditioner where the noise from the outdoor unit or the exhaust gas will not inconvenience the neighbors. Failure to do so may result in conflict between neighbors.
- When transporting the equipment, there should be at least 2 or more people, or a forklift. It may result in serious injury.
- Do not install the air conditioner where it will be exposed to sea wind (salt spray) directly. It may result in product failure.

### Operation

- Do not expose people, animals or plants to the cold or hot wind from the air conditioner. It may result in serious injury.
- Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system. It may result in death, fire or electric shock.
- Do not block the inlet or outlet of air flow. It may result in explosion or product failure.
- Do not use strong cleaning agents or solvents when you clean the air conditioner, or spray water. Use a smooth cloth. It may result in serious injury or product failure.
- Never touch the metal parts of the air conditioner when you remove the Air filter. It may result in serious injury or product failure.
- Do not place any objects on the air conditioner. It may result in product failure.
- Always insert the filter securely after cleaning. Clean the filter every two weeks or more often if necessary.
- Do not insert hands or other objects through the air inlet or outlet while the air conditioner is operating. It may result in electric shock.
- Do not drink the water drained from the air conditioner. It may result in serious health complications.
- Use a sturdy stool or ladder when you clean, maintain or repair the air conditioner at a height. Failure to do so may result in serious injury or product failure.
- Do not mix the batteries for the remote control with other types of batteries or mix new batteries with used batteries. Failure to do so may result in product failure.
- Do not recharge or disassemble the batteries. Failure to do so may result in explosion, fire or serious injury.
- Stop using the remote control if there is a battery fluid leak. If your cloth or skin is exposed to the battery fluid from a leak, wash it off with clean water. Failure to do so may result in serious injury.
- If you swallow the battery fluid from a leak, wash out the inside of your mouth thoroughly and then consult a doctor. Failure to do so may result in serious health complications.

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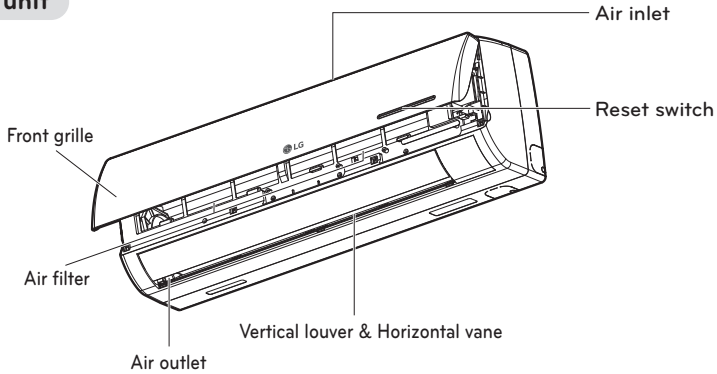
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# BEFORE USE

## Components

### Indoor unit



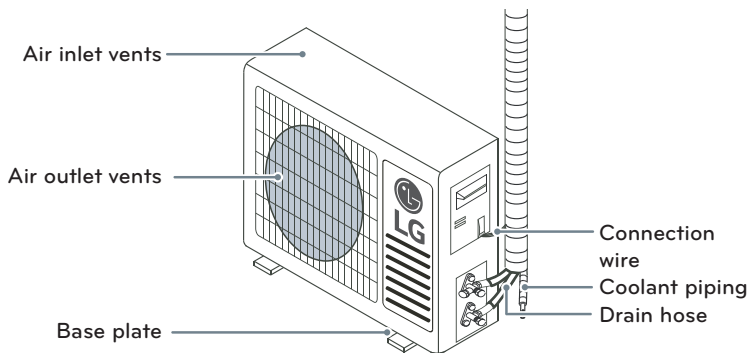
\* Please keep the protective film of reset switch. It is used to protect the PCB from ESD damage.

\* The feature can be changed according to type of model.

### ! NOTE

The number of operation lamps and their locations may vary, depending on the model of the air conditioner.

### Outdoor unit

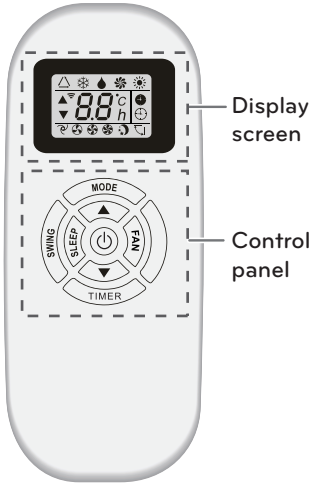


\* The feature can be changed according to type of model.

## Using the remote control

You can operate the air conditioner more conveniently with the remote control. You will find the buttons for the additional functions under the cover of the remote control.

### Wireless remote control



Control panel	Display screen	Description
		<b>Sleep mode auto button*:</b> SLEEP indicator
		<b>Temperature adjustment buttons:</b> Increase the temperature or time by 1 unit, Decrease the temperature or time by 1 unit
	-	<b>Reset switch:</b> Turns the power on/off.
		<b>Indoor fan speed button:</b> LOW FAN SPEED indicator, MIDDLE FAN SPEED indicator, HIGH FAN SPEED indicator. AUTO FAN SPEED indicator.
		<b>Operation mode selection button*:</b> Selects the operation mode. AUTO mode indicator (△) / COOLING indicator (❄️) / DEHUMIDIFYING indicator (💧) / FAN ONLY OPERATION indicator (🌀) / HEATING indicator (☀️)
		<b>Air flow direction button:</b> FLAP SWING indicator
		To set automatic switching-on/off

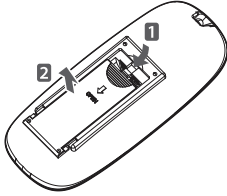
\* Some functions may not be supported, depending on the model.



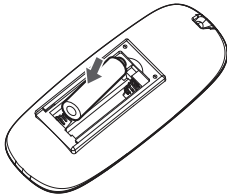
## Inserting batteries

Insert batteries before using the remote control. The battery type used is AAA (1.5 V)

1 Remove the battery cover.



2 Insert the new batteries and make sure that the + and - terminals of the batteries are installed correctly.



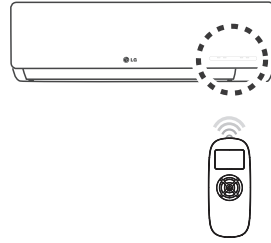
3 Reattach the battery cover.

### ! NOTE

If the display screen of the remote control starts to fade, replace the batteries.

## Operating method

Point the remote control towards the signal receiver at the bottom of the air conditioner to operate it.





### ! NOTE

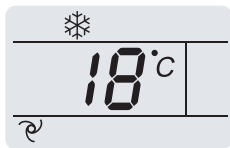
- The remote control may operate other electronic devices if pointed towards them. Make sure to point the remote control towards the signal receiver of the air conditioner.
- For proper operation, use a soft cloth to clean the signal transmitter and receiver.



## BASIC FUNCTIONS

### Cooling your room

#### (Cooling operation)



- 1 Press  to turn on the power.
- 2 Press  repeatedly to select the cooling operation.
  - ❄️ is displayed on the display screen.

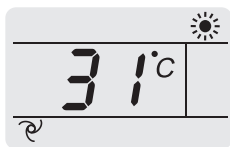




- 3 Press  or  to set the desired temperature.
  - The temperature range is 18°C (64°F) ~ 31°C (88°F)

### Heating your room

#### (Heating operation)

- 1 Press  to turn on the power.
- 2 Press  repeatedly to select the heating operation.
  - ☀️ is displayed on the display screen.



- 3 Press  or  to set the desired temperature.
  - The temperature range is 16°C(60.8°F) ~ 31°C (88°F)



#### ! NOTE

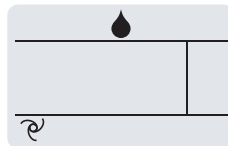
Cooling-only models do not support this function.

### Removing humidity

#### (Dehumidifying operation)

This mode removes excess moisture from an environment with high humidity or in the rainy season, in order to prevent mold from setting in. This mode adjusts the room temperature and the fan speed automatically to maintain the optimal level of humidity.

- 1 Press  to turn on the power.
- 2 Press  repeatedly to select the dehumidifying operation.
  - 💧 is displayed on the display screen.






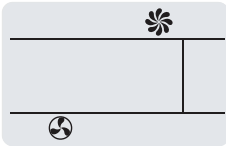
#### ! NOTE


- In this mode you cannot adjust the desired temperature, as it is adjusted automatically. Also, the desired temperature is not displayed on the display screen.

## Airing your room (Air Circulation operation)

This mode only circulates the indoor air without changing the room temperature.


- 1 Press  to turn on the power.
- 2 Press  repeatedly to select the air circulation operation.
  -  is displayed on the display screen.




- 3 Press  to adjust the fan speed.


\* In this mode, can't use auto fan speed.

## Adjusting the air flow direction


To adjust the direction of the air flow horizontally, press  repeatedly and select the desired direction.




- Select  to adjust the direction of the air flow automatically.





### ! NOTE

- Adjusting the air flow direction vertically may not be supported, depending on the model.
- Adjusting the air deflector arbitrarily may cause product failure.
- If you restart the air conditioner, it starts to operate with the previously set direction of air flow, so the air deflector may not match the icon displayed on the remote control. When this occurs, press  to adjust the direction of the air flow again.

## Adjusting the fan speed


Press  repeatedly to adjust the fan speed.

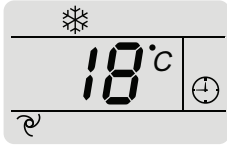
- Select    if you want natural air.  
The fan speed adjusts automatically.



Remark	Speed
	High
	Medium
	Low
	Auto

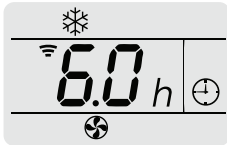
## Turning on the air conditioner automatically at a set time

To activate the time on, the air conditioner should be off.

- 1 Press **(TIMER)**.  
- The  below flickers at the bottom of the display screen.





- 2 Press **(MODE)** to select the mode
- 3 Press  or  to select the temperature (in Cool, Heat Mode).
- 4 Press **(FAN)** to select the wind speed (in Auto, Cool, Fan, Heat Mode.)
- 5 Press **(TIMER)**.



- 6 Press  or  to select the minutes
- 7 Press **(TIMER)**.

## Turning off the air conditioner automatically at a set time

To activate the time off, the air conditioner should be on.


- 1 Press .
- 2 Press **(TIMER)**.  
- The  below flickers at the bottom of the display screen.

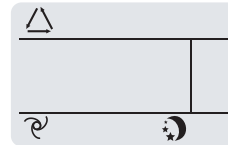


- 3 Press  or  to select the minutes.
- 4 Press **(TIMER)**.

## Setting sleep mode

Use the sleep mode to turn off the air conditioner automatically when you go to sleep.

- 1 Press  to turn on the power.
- 2 Press **(SLEEP)**



### ! NOTE

In cooling or auto mode, the set temperature will automatically raise by 1 every 60 minutes, to achieve a total rise of 2 during the first 2 hours of work.

In heating mode the set temperature is gradually decreased by 2 during the first 2 hours of work.

After 10 hours running in sleep mode the air conditioner is switched off automatically.

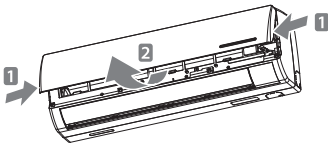
# ADVANCED FUNCTIONS

The air conditioner offers some additional advanced functions.

## Operating the air conditioner without the remote control

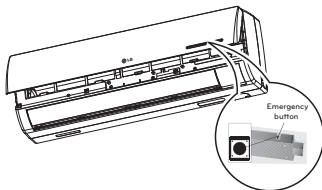
You can use the reset switch of the indoor unit to operate the air conditioner when the remote control is unavailable. However, the fan speed is set to high.

- 1 Open the front cover.
  - Lift up both sides of the cover slightly.



\* The feature can be changed according to type of model.

- 2 Press the reset switch.



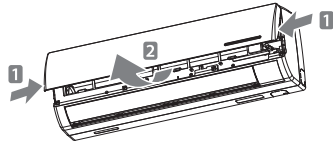
\* The feature can be changed according to type of model.

## Restarting the air conditioner automatically

When the air conditioner is turned on again after a power failure, this function restores the previous settings. This function is a factory default setting.

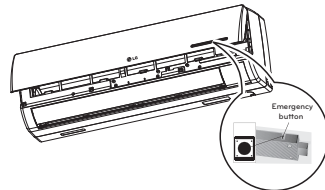
### Disabling auto restart

- 1 Open the front cover.
  - Lift up both sides of the cover slightly.



\* The feature can be changed according to type of model.

- 2 Press the reset switch and hold it for 10 seconds.
  - The unit will beep 4 and the lamp will blink 1 times.



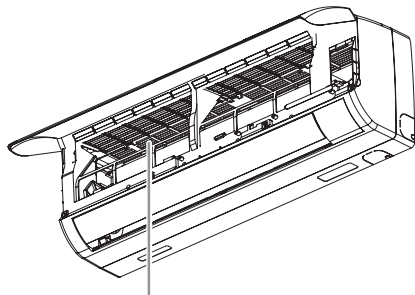
\* The feature can be changed according to type of model.

- To re-enable the function, press the reset switch and hold it for 10 seconds. The unit will beep 3 times and the lamp will blink 1 times.

## MAINTENANCE

Clean the product regularly to maintain optimal performance and to prevent possible breakdown.

\* This may not be provided, depending on the model.



Air filter

\* The feature can be changed according to type of model.

Item	Cleaning interval	Cleaning method
Air filter	2 weeks	See "Cleaning the Air filter."
Carbon filter	1month	See "Cleaning the carbon Filter"
Indoor unit surface	Regularly	Use a soft, dry cloth. Do not use bleach or abrasives.
Outdoor unit	Regularly	Use steam to clean the heat exchanger coils and the panel vents (consult with technician).

### ⚠ CAUTION

- Turn off the power and unplug the power cord before you perform any maintenance; otherwise it may cause electric shock.
- Never use water that is hotter than 40°C when you clean the filters. It may cause deformation or discoloration.
- Never use volatile substances when you clean the filters. They may damage the surface of the product.

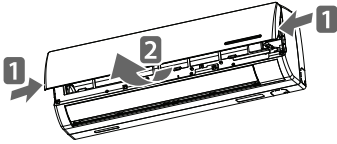
### ! NOTE

- The location and shape of the filters may differ, depending on the model.
- Make sure to clean the heat exchanger coils of the outdoor unit regularly, as dirt collected in the coils may decrease the operational efficiency or increase energy costs.

## Cleaning the Air filter

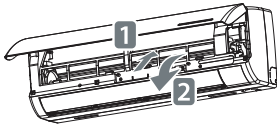
Clean the Air filter once every 2 weeks or more if necessary.

- 1 Turn off the power and unplug the power cord.
- 2 Open the front cover.
  - Lift up both sides of the cover slightly.



\* The feature can be changed according to type of model.

- 3 Hold the knob of the Air filter, lift it up slightly and remove it from the unit.

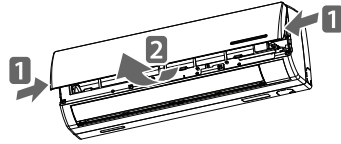


\* The feature can be changed according to type of model.

- 4 Clean the filter with a vacuum cleaner or with warm water.
  - If dirt is difficult to remove, wash the filter in lukewarm water with detergent.
- 5 Dry the filter in the shade.

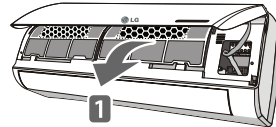
## Cleaning the carbon filter

- 1 Turn off the power and unplug the power cord.
- 2 Open the front cover.
  - Lift up both sides of the cover slightly.



\* The feature can be changed according to type of model.

- 3 Remove the carbon filter from Air filter.
- 4 Clean the carbon filter with a vacuum cleaner, Do not wash it with water



\* We suggest changing the Carbon Filter every 2 years

\* The location of the filters may differ, depending on the model.

\* The feature can be changed according to type of model.

# TROUBLESHOOTING

## Self-diagnosis function

In case of error, the display on the indoor unit shown the following error codes:

Code	RUN lamp	Description of the trouble
E1	flashes once	The fault of indoor temperature sensor
E2	flashes twice	The fault of indoor pipe temperature sensor
E6	flashes 6 times	Malfunction of indoor fan motor

## Before requesting service

Please check the following before you contact the service center. If the problem persists, contact your local service center.

Problem	Possible causes	Corrective action
There is a burning smell and a strange sound coming from the unit.		Turn off the air conditioner, unplug the power cord and contact the service center.
Water leaks from the indoor unit even when the humidity level is low.		
The power cord is damaged or generating excessive heat.		
A switch, a circuit breaker (safety, ground) or a fuse is not operated properly.		
The air conditioner does not work.	The air conditioner is unplugged.	Check whether the power cord is plugged into the outlet.
	A fuse is blown or the power supply is blocked.	Replace the fuse or check if the circuit breaker has tripped.
	A power failure has occurred.	Turn off the air conditioner when a power failure occurs. When the power is restored, wait 3 minutes, and then turn on the air conditioner.
	The voltage is too high or too low.	Check if the circuit breaker has tripped.
	The air conditioner turned off automatically at a preset time.	Press the power button again.



Problem	Possible causes	Corrective action
The air conditioner does not generate cool air.	Air is not circulating properly.	Make sure that there are no curtains, blinds or furniture blocking the front of the air conditioner.
	The Air filter is dirty.	Clean the air filter once every 2 weeks. See "Cleaning Air filter" for more information.
	Cold air is escaping from the room.	Make sure that no cold air is escaping through ventilation points in the room.
	The desired temperature is higher than the set temperature.	Set the desired temperature to a level lower than the current temperature.
	There is a heating source nearby.	Avoid using a heat generator such as an electric oven or a gas burner while the air conditioner is in operation.
	Air circulation operation is selected.	In the air circulation operation, air blows from the air conditioner without cooling or heating the indoor air. Switch the operation mode to the cooling operation.
It is not possible to adjust the fan speed.	The auto operation, jet operation or dehumidifying operation is selected.	In some operation modes, such as the jet or dehumidifying operation modes, you cannot adjust the fan speed. Select an operation mode in which you can adjust the fan speed.
It is not possible to adjust the temperature.	The air circulation operation or jet operation is selected.	In some operation modes, such as the air circulation or jet operation mode, you cannot adjust the temperature. Select an operation mode in which you can adjust the temperature.

## Operation ranges

For Heat & Cool model, heating operation range follows the below table.

Heating operation range	outdoor temperature
	0 ~ 24°C

\* When the outdoor temperature drops below 0°C, heating capacity may drop slightly depending on the operation condition.

**ERPR information:**

Dofin, Ltd.,

Boiarkino, Ozersky area, Moscow region, 140573, Russia

Production date and origin can be found on the box label

