OWNER'S MANUAL

AIR CONDITIONER



Read this owner's manual thoroughly before operating the appliance and keep it handy for reference at all times.

TYPE: WALL MOUNTED

EN ENGLISH ID BAHASA INDONESIA

MOT Registration No. : PMKG.438.09.2021

H07TN4

H09TN4

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H05TN4

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TABLE OF CONTENTS

This manual may contain images or content different from the model you purchased. This manual is subject to revision by the manufacturer.

SAFETY INSTRUCTIONS 3
- IMPORTANT SAFETY INSTRUCTIONS 4

NAMES OF PARTS 11
- Indoor Unit 11
- Outdoor Unit 11

INDOOR UNIT DISPLAY 12

EMERGENCY & AUTO-RESTART FUNCTION 13
- Auto-Restart Function 13
- Emergency Function 13

REMOTE CONTROLLER 14
- Using Wireless Remote Control 14
- Replacement of Batteries 15

OPERATING INSTRUCTIONS 16
- Cooling Mode 16
- Dry Mode 16
- Fan Mode (Not Fan Button) 17
- Auto Mode 17
- Display Function (Indoor Display) 18
- Eco Function 18
- Turbo Function 19
- Sleep Function 19
- Timer Function 20

PROTECTION 21

MAINTENANCE 22
- Antidust Filters 22
- Cleaning the Heat Exchanger 22
- End of Season Maintenance 22
- Replacing the Batteries 22

TROUBLESHOOTING 23

SPECIFICATION 25

SAFETY INSTRUCTIONS

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.

The guidelines are separated into ‘WARNING’ and ‘CAUTION’ as described below.

⚠ This symbol is displayed to indicate matters and operations that can cause risk. Read the part with this symbol carefully and follow the instructions in order to avoid risk.

⚠ WARNING

This indicates that the failure to follow the instructions can cause serious injury or death.

⚠ CAUTION

This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

The following symbols are displayed on indoor and outdoor units.


This symbol indicates that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposure to an external ignition source, there is a risk of fire.


This symbol indicates that the Operation Manual should be read carefully.


This symbol indicates that a service personnel should be handling this equipment with reference to the Installation Manual.


This symbol indicates that information is available such as the Operating Manual or Installation Manual.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:

Children in the Household

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.

Installation

- Do not install the air conditioner on an unstable surface or in a place where there is danger of it falling.
- Contact an authorized service center when installing or relocating the air conditioner.
- Install the panel and the cover of the control box safely.

- Do not install the air conditioner in a place where flammable liquids or gases such as gasoline, propane, paint thinner, etc., are stored.
- Make sure that the pipe and the power cable connecting the indoor and outdoor units are not pulled too tight when installing the air conditioner.
- Use standard circuit breaker and fuse that conform to the rating of the air conditioner.
- Do not input air or gas into the system except with the specific refrigerant.
- Use non-flammable gas (nitrogen) to check for leak and to purge air; using compressed air or flammable gas may cause fire or explosion.
- The indoor/outdoor wiring connections must be secured tightly, and the cable should be routed properly so that there is no force pulling the cable from the connection terminals. Improper or loose connections can cause heat generation or fire.
- Install dedicated electric outlet and circuit breaker before using the air conditioner.
- Do not connect the ground wire to a gas pipe, a lightning rod, or a telephone ground wire.
- Keep any required ventilation openings clear of obstruction.
- Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- Do not install the unit in potentially explosive atmospheres.

Operation

- Be sure to use only those parts listed in the service parts list. Never attempt to modify the equipment.
- Make sure that children do not climb on or hit the outdoor unit.
- Dispose of the batteries in a place where there is no danger of fire.
- Use only the refrigerant specified on the air conditioner label.

- Cut off the power supply if there is any noise, smell, or smoke coming from the air conditioner.
- Do not leave flammable substances such as gasoline, benzene, or thinner near the air conditioner.
- Contact an authorized service center when the air conditioner is submerged by flood waters.
- Do not use the air conditioner for an extended period of time in a small place without proper ventilation.
- In the event of a gas leak (such as Freon, propane gas, LP gas, etc.) ventilate sufficiently before using the air conditioner again.
- Be sure to ventilate sufficiently when the air conditioner and a heating appliance such as a heater are used simultaneously.
- Do not block the inlet or outlet of air flow.
- Do not insert hands or other objects through the air inlet or outlet while the air conditioner is operating.
- Make sure that the power cable is neither dirty, loose, nor broken.
- Never touch, operate, or repair the air conditioner with wet hands.
- Do not place any objects on the power cable.
- Do not place a heater or other heating appliances near the power cable.
- Do not modify or extend the power cable. Scratches or peeling insulation on the power cables may result in fire or electric shock, and should be replaced.
- Cut off the power supply immediately in the event of a blackout or a thunderstorm.

- Take care to ensure that power cable could not be pulled out or damaged during operation.
- Do not touch refrigerant pipe, water pipe and any internal parts while the unit is operating or immediately after operation.

Maintenance

- Do not clean the appliance by spraying water directly onto the product.
- Before cleaning or performing maintenance, disconnect the power supply and wait until the fan stops.

Technical Safety

- Installation or repairs made by unauthorized persons can pose hazards to you and others.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.
- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
- The information contained in the manual is intended for use by a qualified service technician who is familiar with the safety procedures and equipped with the proper tools and test instruments.
- Failure to read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

- The appliance shall be installed in accordance with national wiring regulations.
- When the power cord is to be replaced, the replacement work shall be performed by authorized personnel using only genuine replacement parts.
- This appliance must be properly grounded to minimize risk of electric shock.
- Do not cut or remove the grounding prong from the power plug.
- Attaching the earth wire to the power outlet cover screw does not ground the appliance unless the cover screw is metal, uninsulated, and the power outlet is grounded through house wiring.
- If you have any doubt whether the air conditioner is properly grounded, have the power outlet and circuit checked by a qualified electrician.
- The refrigerant and insulation blowing gas used in the appliance require special disposal procedures. Consult a service agent or a similarly qualified person before disposing of them.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- The appliance shall be stored in a room without continuously operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric heater).
- The appliance shall be stored so as to prevent mechanical damage from occurring.

⚠ CAUTION

To reduce the risk of minor injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

Installation

- Do not install the air conditioner in an area where it is directly exposed to sea wind (salt spray).
- Install the drain hose properly for the smooth drainage of water condensation.
- Exercise caution when unpacking or installing the air conditioner.
- Do not touch the leaking refrigerant during installation or repair.
- Transport the air conditioner with two or more people or use a forklift.
- Install the outdoor unit such that it is protected from direct sunlight. Do not place the indoor unit in a place where it is directly exposed to sunlight via the windows.
- Safely dispose of packing materials such as screws, nails, plastic bag or batteries using proper packaging after installation or repair.
- Install the air conditioner in a place where the noise from the outdoor unit or the exhaust fumes will not inconvenience the neighbors. Failure to do so may result in conflict with the neighbors.

Operation

- Remove the batteries if the remote control is not to be used for an extended period of time.

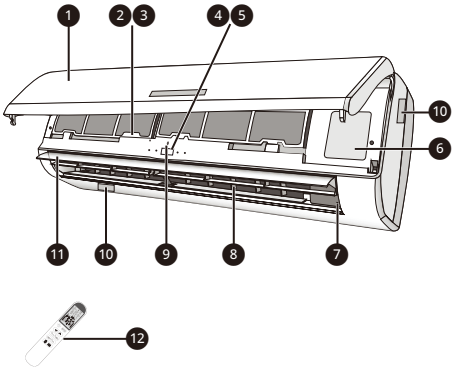
- Make sure that the filter is installed before operating the air conditioner.
- Be sure to check if there is a refrigerant leak after installing or repairing the air conditioner.
- Do not place any object on the air conditioner.
- Never mix different types of batteries, or old and new batteries for the remote control.
- Do not let the air conditioner run for a long time when humidity is very high or when a door or a window has been left open.
- Stop using the remote control if there is a fluid leak in the battery. If your clothes or skin are exposed to the leaking battery fluid, wash off with clean water.
- Do not expose people, animals, or plants to the cold or hot wind from the air conditioner for extended periods of time.
- If the leaking battery fluid has been swallowed, rinse the inside of the mouth thoroughly and consult a doctor.
- Do not drink the water drained from the air conditioner.
- Do not use the product for special purposes, such as preserving foods, works of art, and etc. It is an air conditioner for consumer purposes, not a precision refrigeration system. There is risk of damage or loss of property.
- Do not recharge or disassemble the batteries.

Maintenance

- Never touch the metal parts of the air conditioner when removing the air filter.
- Use a sturdy stool or ladder when cleaning, maintaining, or repairing the air conditioner at a height.
- Never use strong cleaning agents or solvents when cleaning the air conditioner or spray water. Use a smooth cloth.
- To clean the interior, contact an authorized service center or dealer. Using harsh detergents may cause corrosion or damage to the unit.

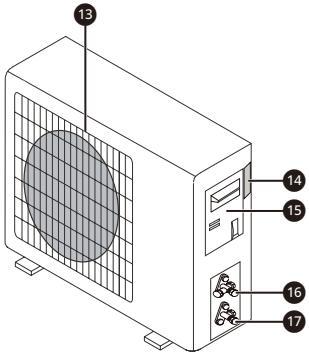
NAMES OF PARTS

Indoor Unit



1. Front panel
2. Air filter
3. Optional filter (if installed)
4. LED Display
5. Signal receiver
6. Terminal block cover
7. Ionizer generator (if installed)
8. Deflectors
9. Emergency button
10. Indoor unit rating label (Stick position optional)
11. Airflow direction louver
12. Remote controller

Outdoor Unit



13. Air outlet grille
14. Outdoor unit rating label
15. Terminal block cover
16. Gas valve
17. Liquid valve

NOTE

- The above figures are only intended to be a simple diagram of the appliance and may not correspond to the appearance of the units that have been purchased.

INDOOR UNIT DISPLAY

Display

No.	Led		Function
1	Temperature display (if present)/Error code	88	• Lights up during timer operation when the air conditioner is operational. • Displays the malfunction code when fault occurs.

Auto-Restart Function

The appliance is preset auto-restart function by manufacturer. In case of a sudden power failure, the module memorizes the setting conditions before the power failure. When the power restores, the unit restarts automatically with all the previous settings preserved by the memory function.

To deactivate the AUTO-RESTART function, proceed as follows:

1 Switch the air conditioner off and plug it off.

2 Press the emergency button meanwhile plug it in.

3 Keep pressing the emergency button for more than 10 seconds until you hear four short beeps from the unit. The AUTO-RESTART function is deactivate.

- To activate the AUTO-RESTART function, follow the same procedure until you hear three short beeps from the unit.

Emergency Function

If the remote controller fails to work or maintenance necessary, proceed as follows:

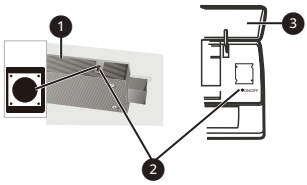
Open and lift the front panel up to an angleto reach the emergency button.

1 One press of the emergency button (one beep) will lead to the forced COOLING operation.

2 Two press of the emergency button within 3 seconds (two beeps) will lead to the forced HEATING operation.

3 To switch off the unit, you just need to press the button again (a single long beep).

4 After 30 minutes in forced operation, the air conditioner will automatically start working in 23 °C cooling mode, auto fan speed.



1. Display PCB
2. Emergency button
3. Front panel

⚠ WARNING

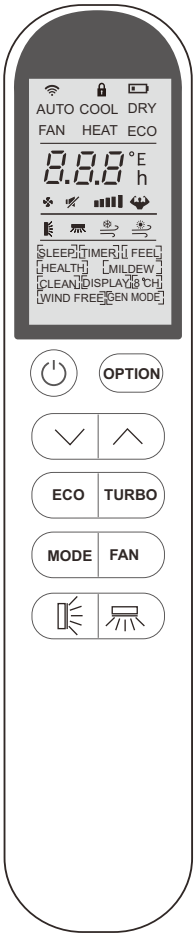
- The shape and position of the emergency button may be different according to the model, but their function is the same.

NOTE

- The external static pressure of heat pumps is 0 Pa for all models.
- The emergency button in some models could be on the right part of the unit under the front panel.

Using Wireless Remote Control

You can operate the air conditioner more conveniently with the remote control.



Symbols	Meaning
AUTO	Mode Auto function indicator
COOL	Mode Cooling indicator
DRY	Mode Dry indicator
FAN	Mode Fan indicator
ECO	ECO function indicator
23.5 h **[TIMER]**	Timer indicator
28.5 °C	Temperature indicator
Flashing	Fan speed indicator: Auto low low mid mid high
	Mute indicator
	SUPER indicator
	Flap swing angle indicator
	Deflector swing angle indicator (Optional)
[SLEEP] [TIMER] [DISPLAY]	Optional functions indicator

NOTE

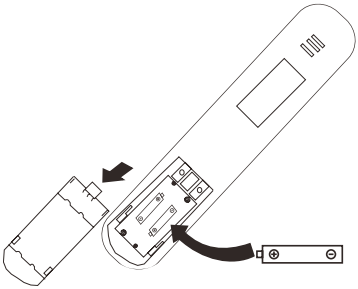
- Some functions may not be supported, depending on the model.

Replacement of Batteries

Remove the battery cover plate from the rear of the remote controller, by sliding it in the direction of the arrow.

Install the batteries according the direction (+ and -) shown on the Remote Controller.

Reinstall the battery cover by sliding it into place.



⚠ WARNING

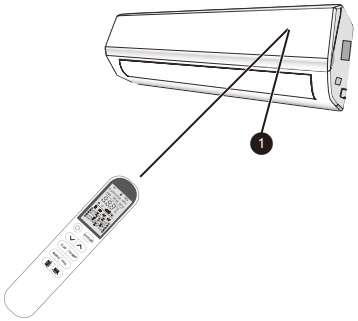
- Use 2 LRO 3 AAA (1.5V) batteries. Do not use rechargeable batteries. Replace the old batteries with new ones of the same type when the display is no longer legible.
- Do not dispose batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

NOTE

- Child-lock: Press ⌄ and ⌃ together to active.
- Display ON/OFF: Long press ECO button.
- Please remove batteries to avoid leakage damage when not using for a long time.

⚠ WARNING

1. Direct the remote controller toward the air conditioner.
2. Check that there are no objects between the remote control and the signal receptor in the indoor unit.
3. Never leave the remote controller exposed to the rays of the sun.
4. Keep the remote controller at a distance of at least 1m from the television or other electrical appliances.



1 Signal receptor

Cooling Mode

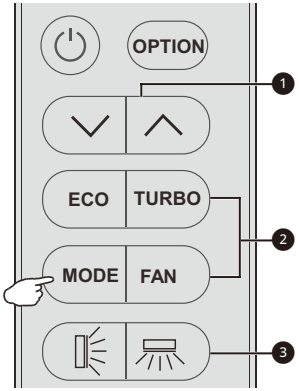
COOL

The cooling function allows the air conditioner to cool the room and at the same time reduces air humidity.

To activate the cooling function (COOL), press the **MODE** button until the symbol COOL appears on the display.

The cooling function is activated by setting the button ⌄ or ⌃ at a temperature lower than that of the room.

To optimize the function of the air conditioner, adjust the temperature (❶), the speed (❷) and the direction of the air flow (❸) by pressing the button indicated.

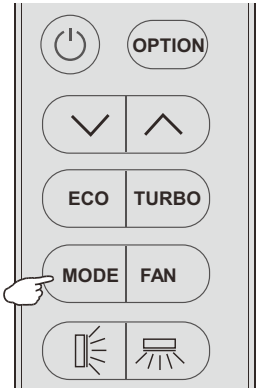


Dry Mode

DRY

This function reduces the humidity of the air to make the room more comfortable.

To set the DRY mode, press **MODE** until DRY appears in the display. An automatic function of alternating cooling cycles and air fan is activated.

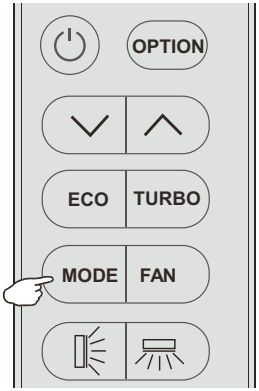


Fan Mode (Not Fan Button)

FAN

The air conditioner works in only ventilation.

To set the FAN mode, Press **MODE** until FAN appears on the display.



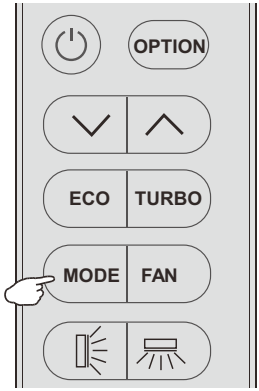
Auto Mode

AUTO

Automatic mode.

To activate the AUTO mode of operation, press the **MODE** button on the remote controller until the symbol **AUTO** appears on the display.

In AUTO mode, the air conditioner will run automatically according to the room temperature.



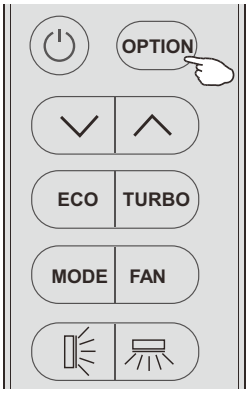
Display Function (Indoor Display)

DISPLAY

Switch on/off the LED display on panel.

Press **OPTION** at the fist time, select the DISPLAY by pressing the button ⌄ or ⌃ until symbol DISPLAY is flashing; Press **OPTION** again to switch off the LED display on the panel, and **DISPLAY** appears on the remote controller display.

Do it again to switch on the LED display.



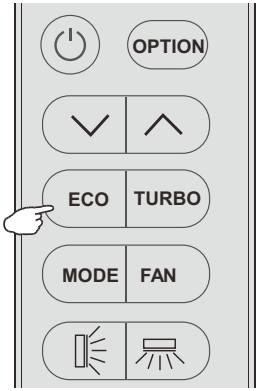
Eco Function

ECO

The air conditioner works in economic mode.

Only in Heating or Cooling model, press ECO button and symbol ECO will appear on the display, the air conditioner will work in energy saving process.

To cancel this function, pressing the MODE to switch other mode or pressing the ECO button again.



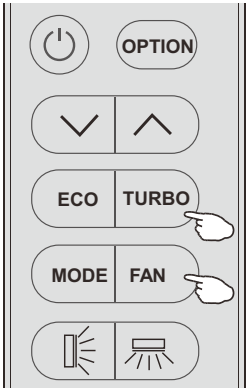
Turbo Function

TURBO

To activate turbo function, pressing the button TURBO or pressing the button FAN until symbol appears on the display.

To cancel this function, pressing the FAN to switch other fan speed or pressing the TURBO button again.

In AUTO/HEAT/COOL/FAN mode, when you select TURBO feature, it will use the highest fan setting to blow strong airflow.



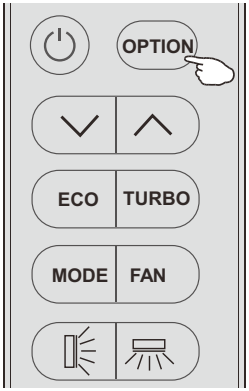
Sleep Function

SLEEP

Press **OPTION** at the fist time, select the SLEEP by pressing the button or until symbol SLEEP is flashing; Press **OPTION** again to activate the SLEEP function, and **SLEEP** appears on the display.

Do it again to deactivate this function.

After 10 hours running in sleep mode, the air conditioner will return to the previous setting mode.



Timer Function

TIMER

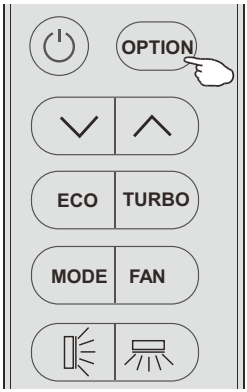
To set the automatic switch-on/off of the air conditioner.

For timer on, before proceeding with the time: Switch the conditioner off (with the key ⏻). Program the working mode with the button **MODE** and the fan speed with the button **FAN**.

Timer setting/change/cancel:

1 Press **OPTION** at the fist time, select the timer by pressing the button ∨ or ∧ until symbol TIMER is flashing;

2 Press **OPTION** again, the data symbol like 6.0 h and TIMER will be flashing;



3 **To set the timer or change the timer:**

- Press the button ∨ or ∧ to set the expected timer (Increase or decrease at half-hour intervals) the symbols ***h*** and TIMER both are flashing.
- Press OPTION or waiting for 5 seconds without any operation to confirm the timer, the pre-setting timer like 6.0 h and symbol **TIMER** will be on the display.

To cancel the timer (if TIMER is on)

- Press OPTION or waiting for 5 seconds without any operation to cancel the timer.

4 A sample for the Timer-on as Figure1, Timer-off as Figure2.



Figure1, Timer-on when switch off



Figure2, Timer-off when switch on

NOTE

- All processing should be operated in 5 seconds, otherwise the processing will be cancelled.

PROTECTION

The air conditioner is programmed for comfortable and suitable living conditions, if it is used in abnormal conditioner as below, certain safety protection features might come into effect.

For T1 Climate Condition Models:

No.	Mode	Ambient temperature
1	Cooling	Outdoor temperature is over 43 °C
		Room temperature is below 21 °C
2	Dry	Room temperature is below 18 °C

For Tropical (T3) Climate Condition Models:

No.	Mode	Ambient temperature
1	Cooling	Outdoor temperature is over 52 °C
		Room temperature is below 21 °C
2	Dry	Room temperature is below 18 °C

⚠ WARNING

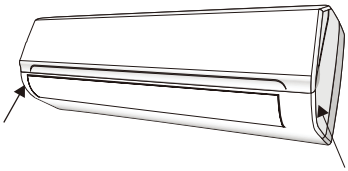
- The unit does not operate immediately if it is turned on after being turned off or after changing the mode during operation. This is a normal self-protection action, you need wait for about 3 minutes.
- The capacity and efficiency are according to the test conducted at full-load operation.
- The highest speed of indoor fan motor and the maximum open angle of the flaps and deflectors are requested.

Periodic maintenance is essential for keeping your air conditioner efficient.

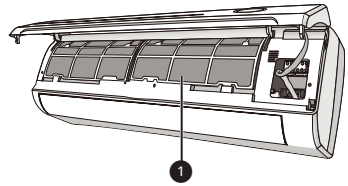
Before carrying out any maintenance, disconnect the power supply by taking the plug out from the socket.

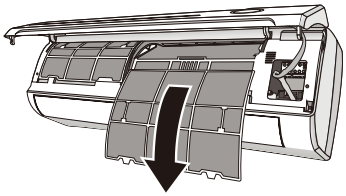
Antidust Filters

1 Open the front panel following the direction of the arrow.



2 Keeping the front panel raised with one hand, take out the air filter with the other hand.





1 Antidust filter

3 Clean the filter with water; if the filter is soiled with oil, it can be washed with warm water (not exceeding 45 °C).
Leave to dry in a cool and dry place.

4 Keeping the front panel raised with one hand, insert the air filter with the other hand.

5 Close.

NOTE

- The electrostatic and the deodorant filter (if installed) cannot be washed or regenerated and must be replaced with new filters after every 6 months.

Cleaning the Heat Exchanger

1 Open the front panel of the unit and life it till its greatest stroke and then unhooking it from the hinges to make the cleaning easier.

2 Clean the indoor unit using a cloth with the water (not higher than 40 °C) and neutral soap. Never use aggressive solvents or detergents.

3 If the outdoor unit is clogged, remove the leaves and the waste and remove the dust with air jet or a bit of water.

End of Season Maintenance

1 Disconnect the automatic switch or the plug.

2 Clean and replace the filters.

3 On a sunny day let the conditioner work in ventilation for some hours, so that the inside of the unit can dry completely.

Replacing the Batteries

When: There is no confirmation beep heard from the indoor unit. The LCD doesn't act.

How: Take off the cover at back. Place the new batteries respecting the symbols + and -.

NOTE

- Use only new batteries. Remove the batteries from the remote controller when the conditioner is not in operation.

⚠ WARNING

- Do not throw batteries into common rubbish, they should be disposed of in the special containers situated in the collection points.

Malfunction	Possible Causes
The appliance does not operate.	Power failure/plug pulled out.
	Damaged indoor/outdoor unit fan motor.
	Faulty compressor thermomagnetic circuit breaker.
	Faulty protective device or fuses.
	Loose connections or plug pulled out.
	It sometimes stops operating to protect the appliance.
	Voltage higher or lower than the voltage range.
	Active TIMER-ON function.
	Damaged electronic control board.
Strange odour.	Air filter dirty.
Noise of running water.	Back flow of liquid in the refrigerant circulation.
A fine mist comes from the air outlet.	This occurs when the air in the room becomes very cold, for example in the “COOLING” or “DEHUMIDIFYING/DRY” modes.
A strange noise can be heard.	This noise is made by the expansion or contraction of the front panel due to variations in temperature and does not indicate a problem.
Insufficient airflow, either hot or cold.	Inappropriate temperature setting.
	Air inlet or outlet of indoor or outdoor unit has been blocked.
	Air filter is blocked.
	Fan speed set at minimum.
	Other sources of heat in the room.
	No refrigerant.
The appliance does not respond to commands.	Remote control is not near enough to indoor unit.
	Battery in remote controller may have been exhausted.
	Obstacles between remote control and signal receiver in indoor unit.
The display is off.	Active LED function.
	Power failure.

⚠ WARNING

- Switch off the air conditioner immediately and cut off the power supply in the event of:
  - Strange noises during operation.
  - Faulty electronic control board.
  - Faulty fuses or switches.
  - Spraying water or objects inside the appliance.
  - Overheated cables or plugs.
  - Very strong smells coming from the appliance.

Error Signals on the Display

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

	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.

SPECIFICATION

Model	Weight	Dimensions (W x H x D)	Current	Voltage
H05TN4.NCAX2	6.8 kg	698 × 255 × 190 mm	1.9 A	220-240V~50Hz
H05TN4.UCAX2	20 kg	600 × 500 × 232 mm		
H07TN4.NCAX	7.8 kg	698 × 255 × 190 mm	2.9 A	220-240V~50Hz
H07TN4.UCAX	23 kg	777 × 498 × 290 mm		
H09TN4.NCAX	8.5 kg	811 × 292 × 203 mm	3.9 A	220-240V~50Hz
H09TN4.UCAX	23 kg	777 × 498 × 290 mm		

Memo

Memo

Memo



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