

Introduction of Inverter Air Conditioners



Basic Information

Features

Electric control

Protection

Comfort

Energy saving

Convenience

Reliability

Health



GENERAL

Comfort

- Turbo
- Follow me
- Do not disturb

Energy Saving

- Sleep mode
- *8C Heating / Freezing Protection*
- *25 stages compressor frequency control*

Convenience

- Wi-Fi Control
- 2-way drainage
- Louver position memory

Reliability

- Refrigerant leakage detection
 - Fireproof electric box
 - *Low ambient cooling*
 - *Emergency using function*

Health

- Dual filters
- High density filters
- Self-cleaning

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TURBO



Indoor fan turns to turbo speed.

- In cooling mode, the unit will turn back to previous setting mode after running for 30 minutes.
- In heating mode, the unit will keep running with turbo function.

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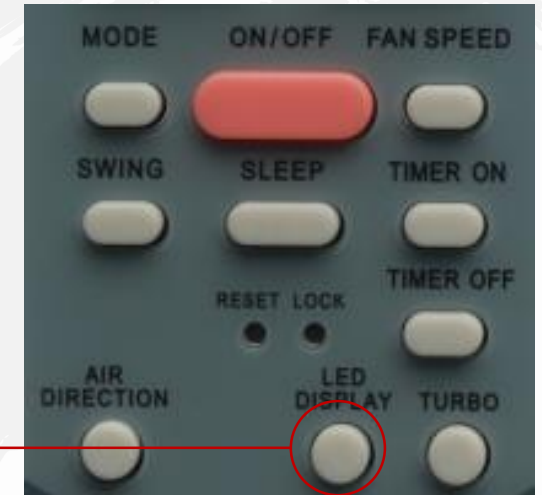
DO NOT DISTURB



OFF



OFF



Turn off the ring and display, which gives you a quiet and comfortable sleep.

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FOLLOW ME (OPTIONAL)

Ordinary temperature sensor location



The Follow me temperature sensor is build-in to the remote control

With this function, the room temperature sensor built in remote controller is activated and replaces the one in indoor unit. Then the air conditioner will regulate the room temperature based on the temperature around the remote controller, just like the air conditioner is following the user.

Pressing the “Follow me” button on remote controller to active this function. Then the remote controller will send PCB the signal every three minutes. If the PCB doesn't receive the signal for 7 minutes or pressing “Follow me” button again, the follow me function will terminate.

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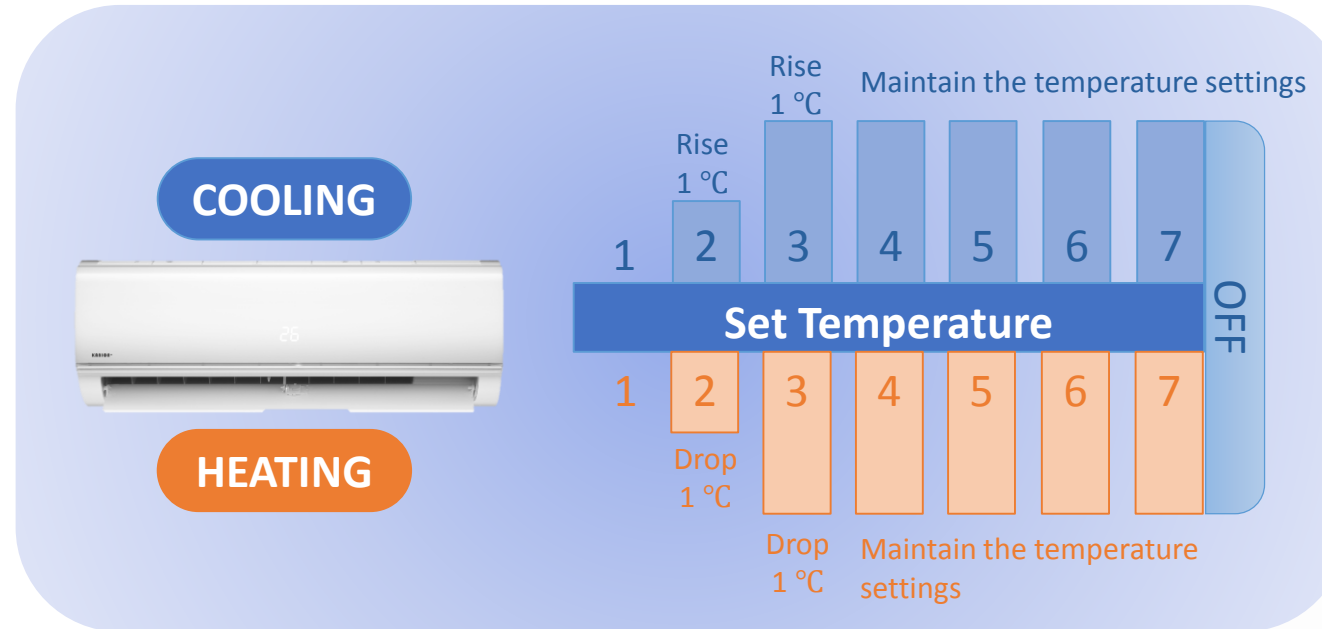
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SLEEP MODE



In cooling mode, the setting temperature rises 1°C (no more than 30°C) every one hour, 2 hours later the rising stops and indoor fan is fixed at low speed.

In heating mode, the setting temperature descends 1°C (no less than 17°C) every one hour, 2 hours later the descending stops and indoor fan is fixed at low speed, and anti-cold-air function is available.

The unit will quit this mode and turn back to previous setting mode running after 7 hours in sleep mode.



8 °C HEATING / FREEZING PROTECTION (OPTIONAL)



Electrical control logical

- Press the 8 °C heating button on remote controller to active this function.
- Off condition:
Press the 8 °C heating button again or A/C receives the signals of Power on/off, setting mode, setting temperature, setting fan speed, timer on, timer off, sleep mode, forced operation or follow me.
- 8 °C heating function can be memorized if the power fails.
- Anti-cold wind function is inactive.

- **Advantage for end-user:** In heating operation, the present temperature of the air conditioner can be as lower as 8°C (why 8°C heating? **energy saving concerned**), which keeps the room temperature steady at 8°C and prevents household things freezing **when the house is unoccupied** for a long time in winter.

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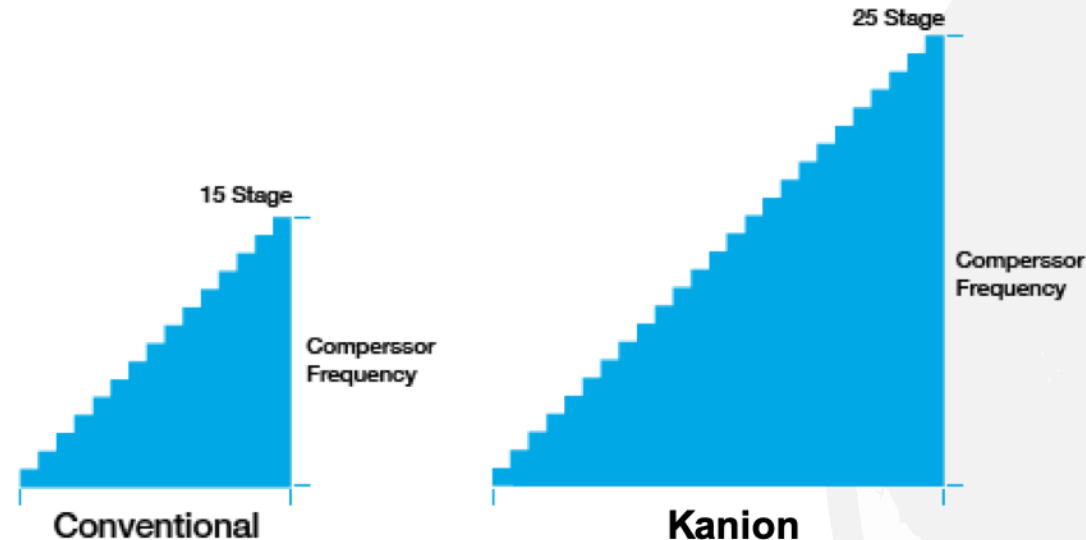
Reliability

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25 STAGES COMPRESSOR FREQUENCY CONTROL

- Increase compressor frequency series from 10 stages (F1~F10) to 25 stages (F1~F25)
- More comfortable and energy saving due to smooth and accurate control.



Note: for cooling mode, the frequencies increase from 8 grades to 16 grades
for heating mode, the frequencies increase from 10 grades to 25 grades

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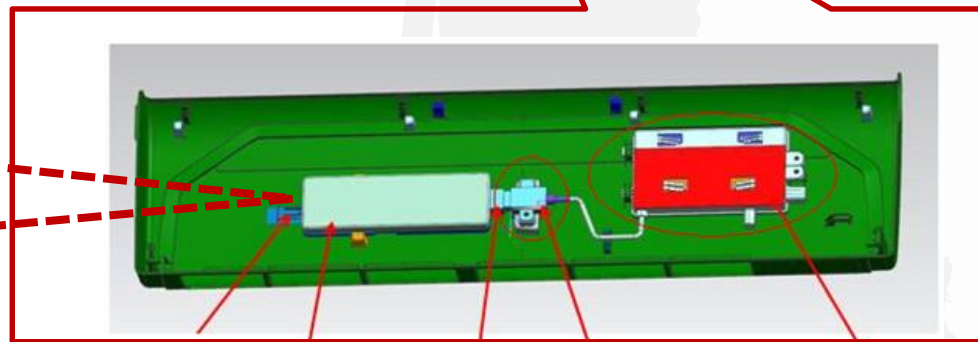
Convenience

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Wi-Fi CONTROL(optional)



Wi-Fi
Module

USB
Connection

Display
Board

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KANION^{co}
feels like home

2-WAY DRAINAGE SYSTEM



Both left and right sides of indoor unit are possible for drainage hose connection, convenient for installation.

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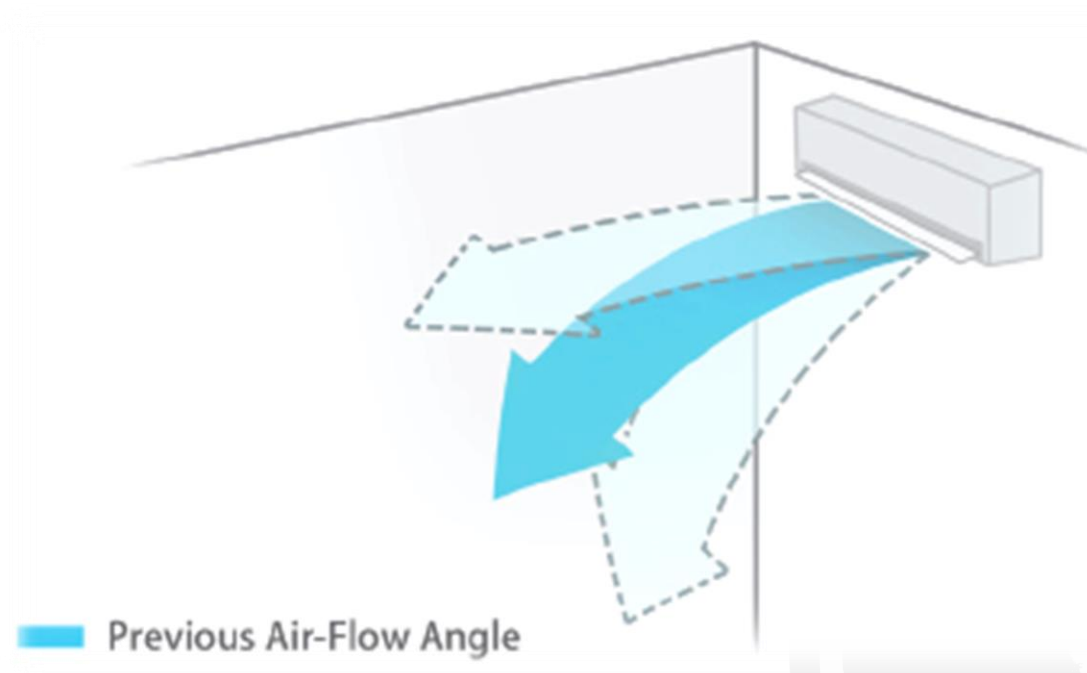
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LOUVER POSITION MEMORY



When you start the unit next time, the angle of horizontal louver will automatically move to the same position as you set last time.



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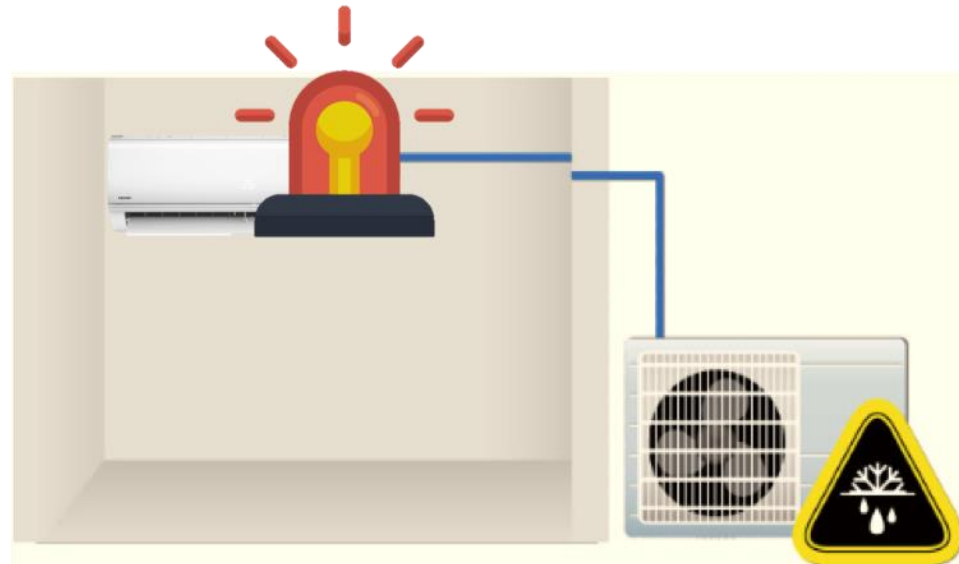
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REFRIGERANT LEAKAGE DTECTION



Only available in cooling mode.

Active condition:

Record initial evaporator coil temp. T_2 as T-cool when the compressor starts.

In the beginning 5 minutes after the compressor starts up, if T_2 isn't 2°C lower than T-cool in continuous 4 seconds and this situation happens 3 times, the A/C will stop and digital display will show "EC".

The refrigerant leakage detect function can better prevent the compressor being damaged by refrigerant leakage or compressor overload.

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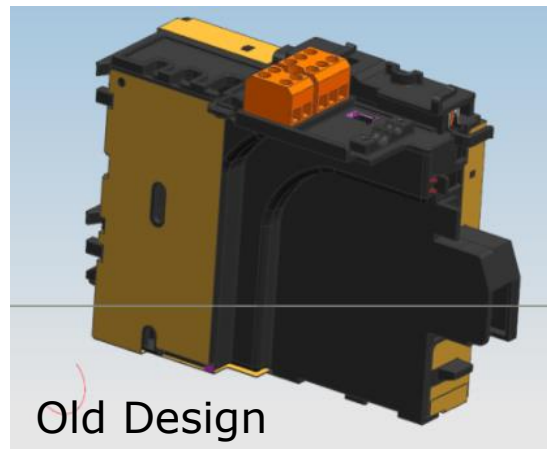
Reliability

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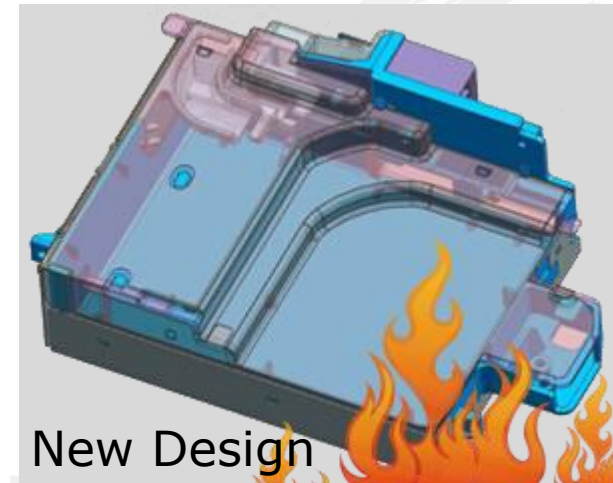


FIREPROOF ELECTRIC BOX

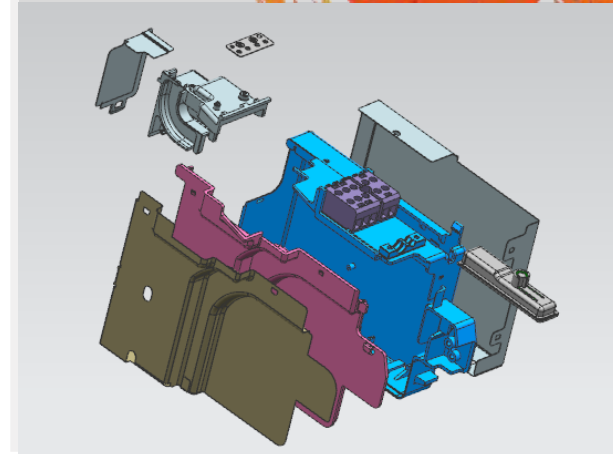
- Safety with fire-proof design
- In case of inner fire due to electric spark accident



Old Design



New Design



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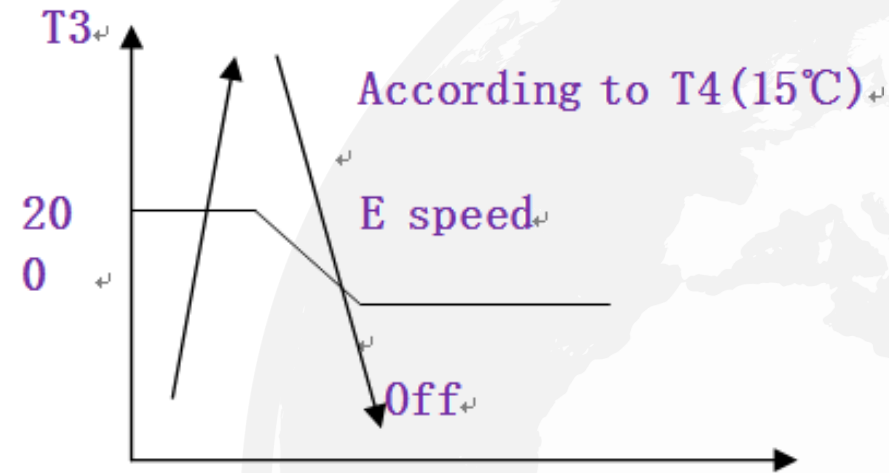
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LOW AMBIENT COOLING



With low ambient cooling function, the outdoor fan speed can be changed according to the condenser temperature and AC can run smoothly under the temperature as low as -15 °C.

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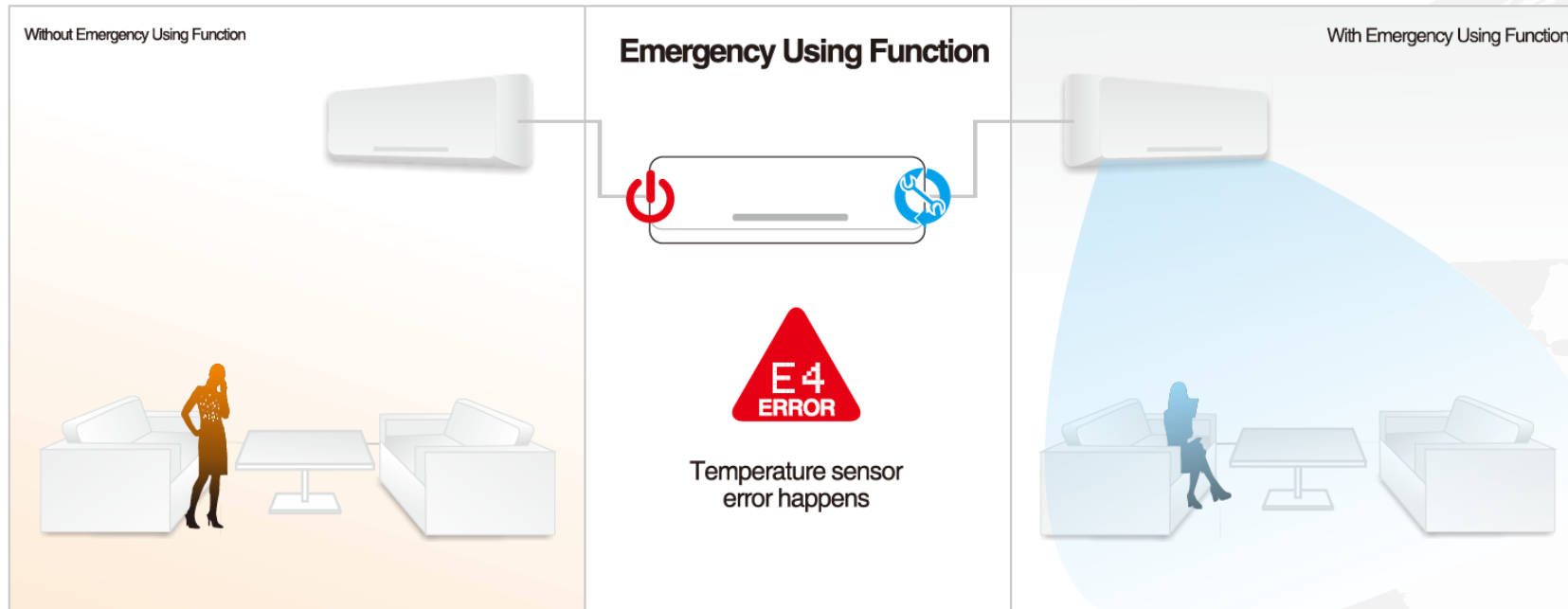
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EMERGENCY USING FUNCTION



Normally, when temperature error happens, the air-conditioner will display error code and stop immediately. With this function, when temperature error happens, the air-conditioner will display error code and continue running in a proper status instead of stopping immediately, which keeps the unit in emergency working.

Note: when two or more sensors are abnormal, the unit will stop.

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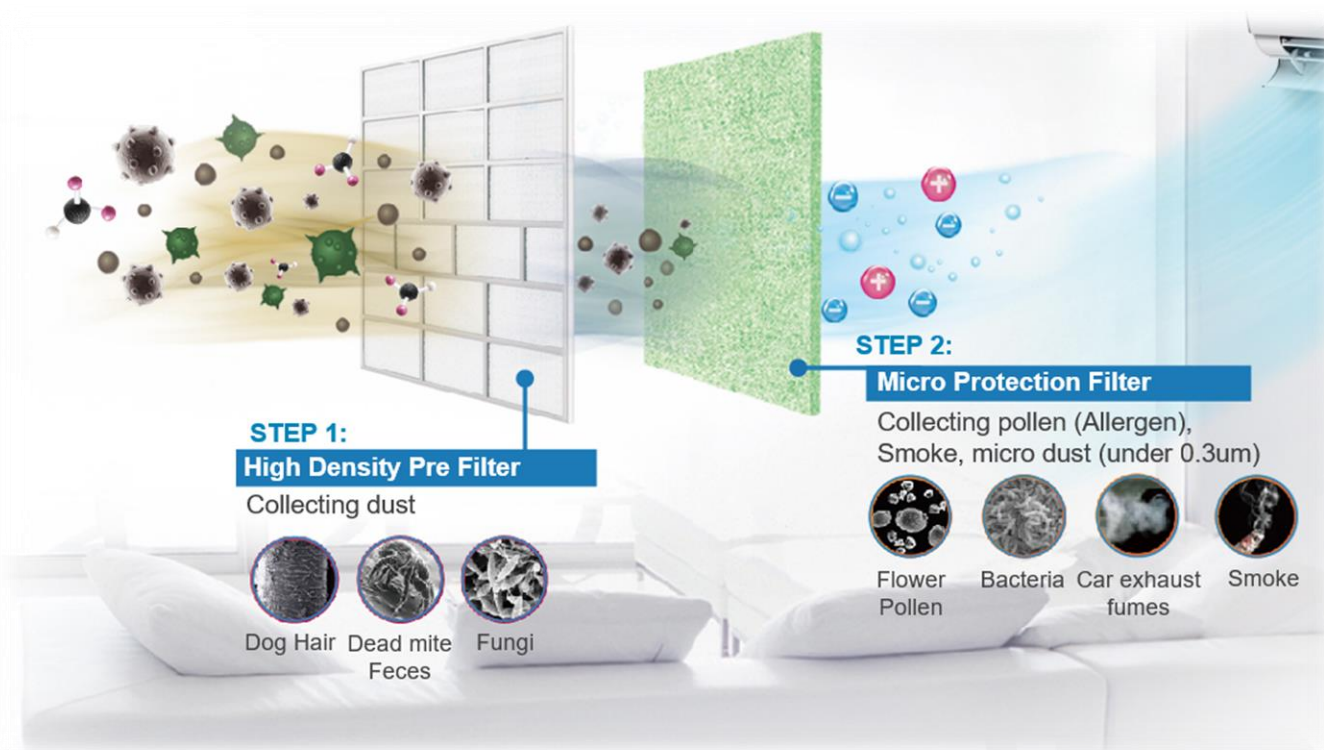
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DUAL FILTERS



Kanion air conditioners contain two filters which provide dual protection. The first dust filter removes large harmful particles such as pollen, dog hair, and dust. The second active carbon filter adsorbs small harmful particles such as mites and smoke. These two filters work together to remove harmful substances.

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HIGH DENSITY FILTERS

Smoother, and 50% higher in dust clean rate.



Ordinary filter



HD filter



Comfort

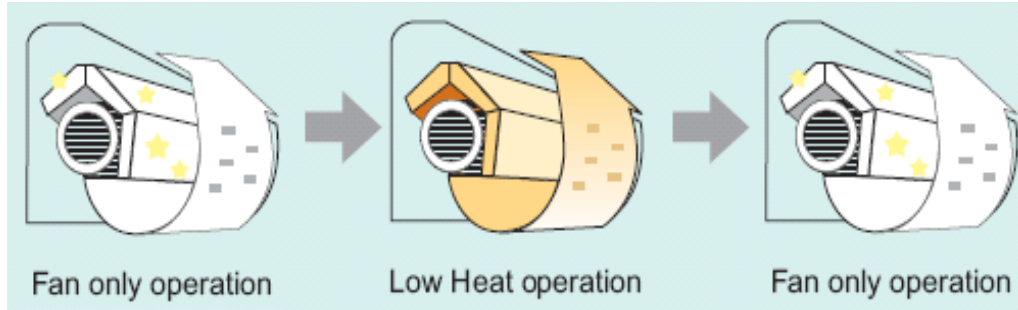
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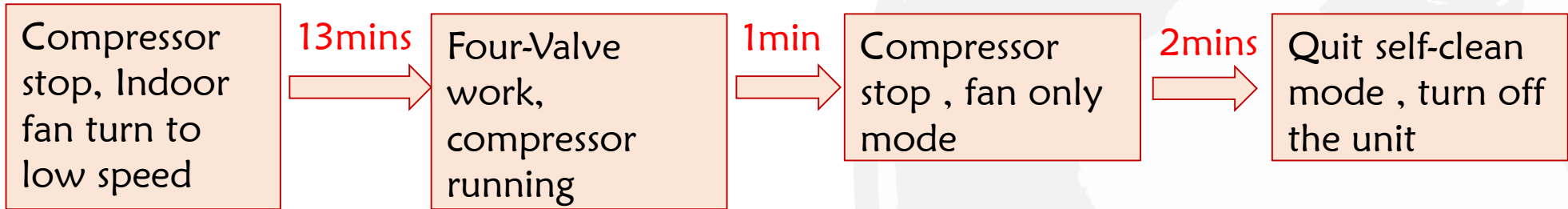
Health

SELF-CLEAN FUNCTION



- Self Clean function enables drying the indoor coil after Cool or Dry mode to avoid mold.
- Press CLEAN button in Cool (including cooling in auto mode and forced cooling mode) or Dry mode to enable self clean function, “SC” will show in indoor display.

Heating Pump model



Cooling Only model

