



**LOMO**

**Inverter 28/36K CH**

**LOVE OUR MODERN LIFE**

*GREE MAKING BETTER AIR CONDITIONERS*

Appearance

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Highlights Compact Tech



Plastic Injection Tectorial Tech



High quality ABS



## Modern Panel Design---B4



High-gloss & non-marking plastic injection tech

Various decorative bar color

Hidden LED displayer

## Changeable appearance

### Changeable decorative bar color

- Silver
- Champagne

### Changeable display location

- Hidden displayer  
(Right side of panel)
- No hidden displayer  
(Left corner of front case)



## Remote Controller-YAC1FB6

### Buttons on remote controller



- 1 ON/OFF button
- 2 MODE button
- 3 FAN button
- 4 TURBO button
- 5 ▲/ ▼ button
- 6 button
- 7 button
- 8 SLEEP button
- 9 I FEEL button
- 10 TIMER ON / TIMER OFF button
- 11 CLOCK button
- 12 QUIET button
- 13 WiFi button
- 14 LIGHT button
- 15 button
- 16 TEMP button

# Features

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## Gree G10 Inverter Technology



Ultra low frequency torque control



Environment-friendly R410A refrigerant



High reliability assurance



Ultra low noise control



High-speed DSP chip



Computer simulation control



Wide frequency precise control



Power factor correction technology



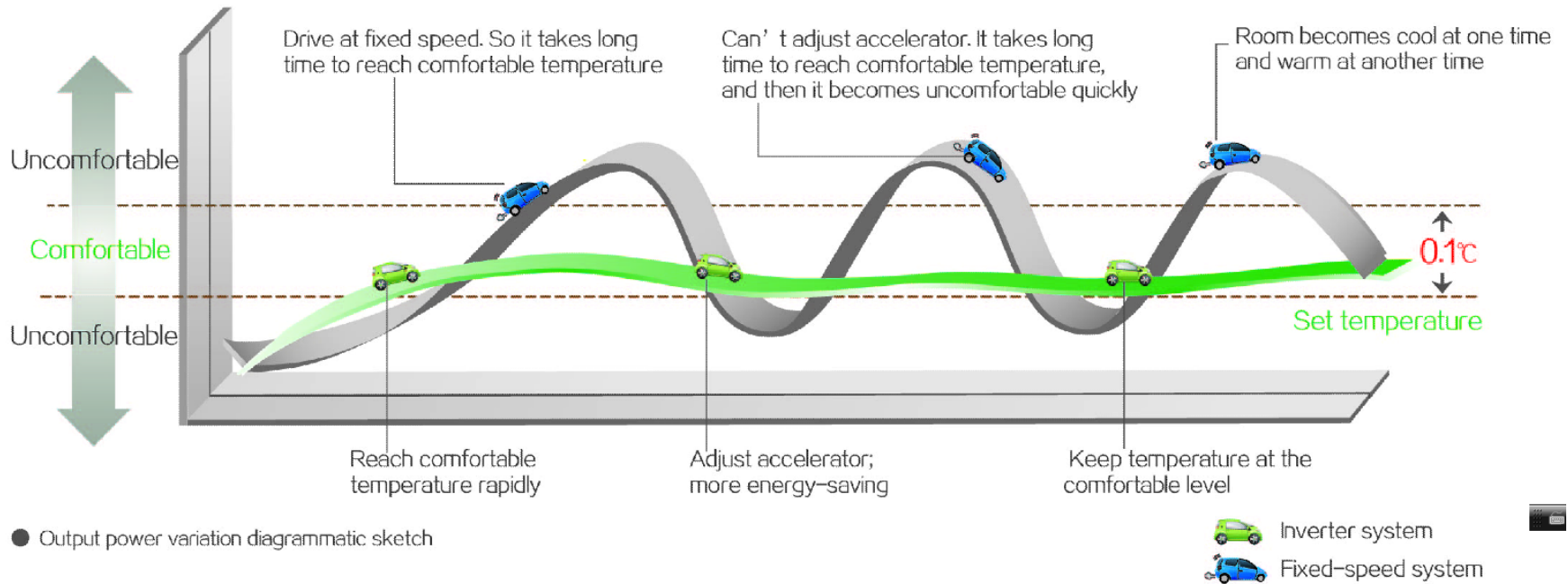
UHF flux-weakening control



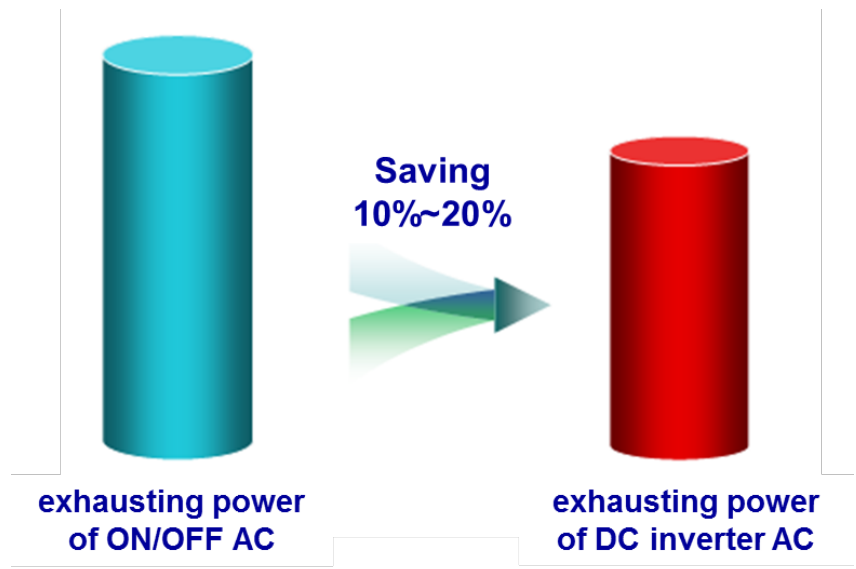
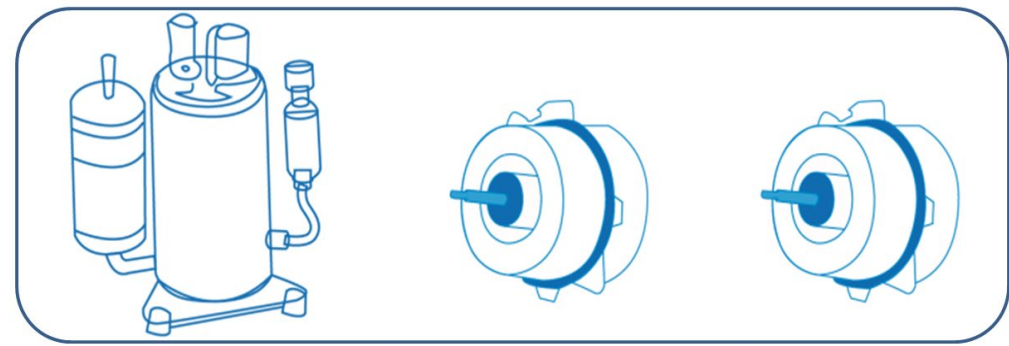
Automatic voltage adaptation



## How Inverter Saves Energy



**3DC Inverter:** DC compressor, DC motor for IDU & ODU



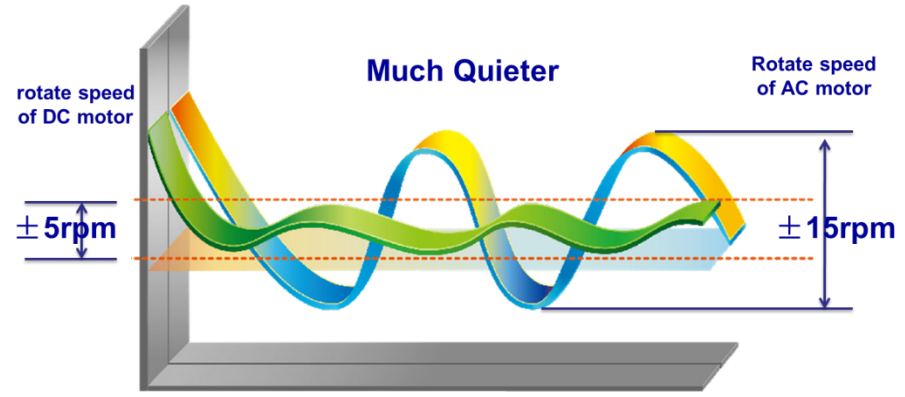
**Energy saving**  
Power consumption of on/off and DC inverter saving 10%-20%.

## AC motor efficiency

## DC motor efficiency



**More efficient and energy saving**  
DC motor efficiency is 40% higher than AC motor.



**More stable and quiet**  
Make your environment much quieter, and establish excellent sleeping quality.



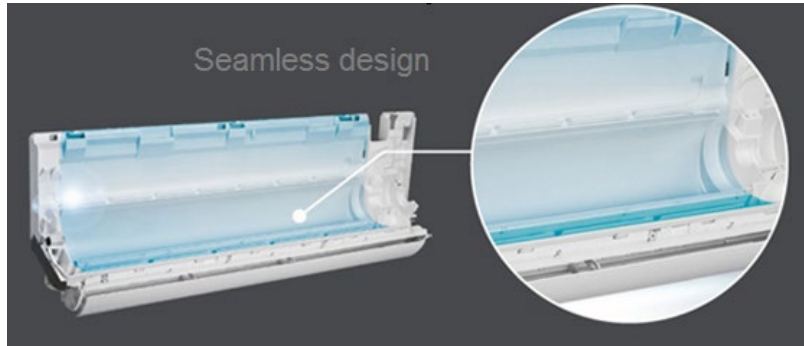
## Dual side water outlet

Left or right side water outlet, easy for installation.



## Self-diagnosis

The unit shows error code automatically to facilitate maintenance when it does not work well.



## Integrated design

Integrated rear base and water tray design, avoid water leakage and reduce noise.



## Fire-proof electric box

Electric box sealed by metal casing could prevent fire in case of short-circuit.

High quality fan blade motor can satisfy both inverter or on/off models.

**High quality fan motor  
ensure large air volume**



Seal motor (IU)

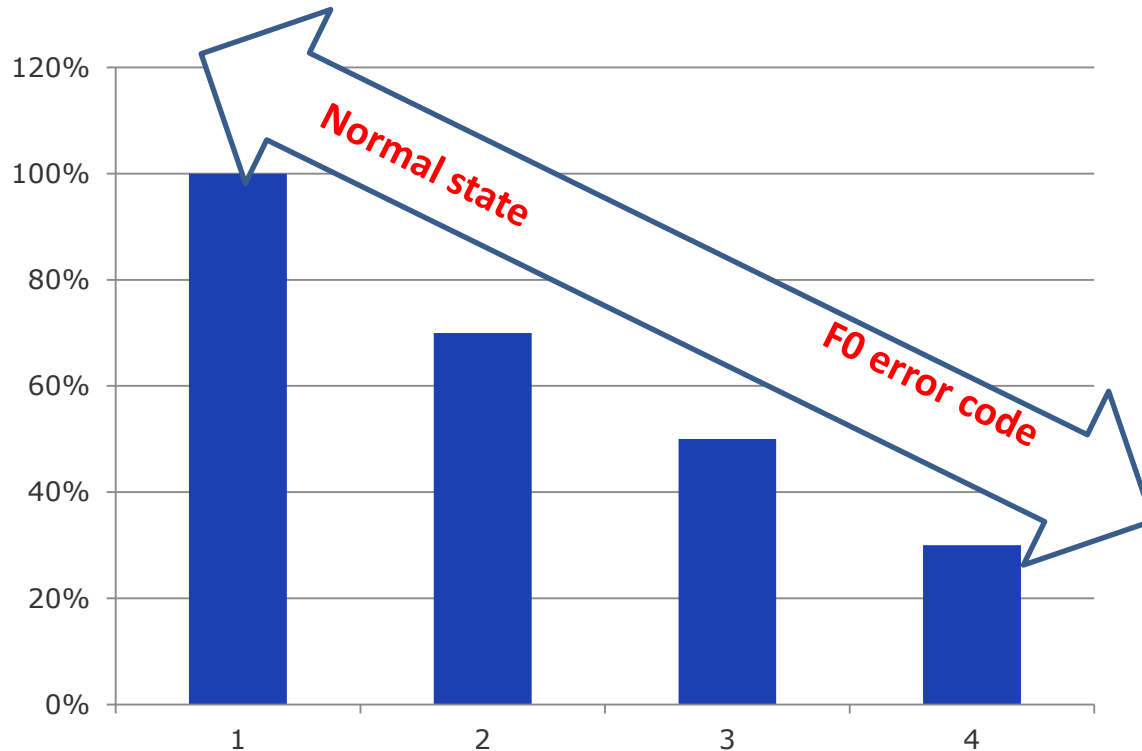


Seal motor (OU)

**Multi-  
protection**

**Insect prevention, waterproof, dustproof, shockproof, low noise & low power consumption.**

## Refrigerant Leakage protection



Once the refrigerant is below **30%**, the model will display **F0** error code.

When the refrigerant is over **70%**, the model will keep normal state.

Error code shown.  
Stop working automatically.  
Prevent compressor from damage due to refrigerant leakage.  
Keep the unit safer.

## High Quality Packing

### -Gree drop test standard:

1. Drop height: 1200 mm
2. Drop sequence: 1 corner, 3 arises, 6 sides; drop 10 times in total

### -Competitor test standard:

Drop height: 800-1000 mm





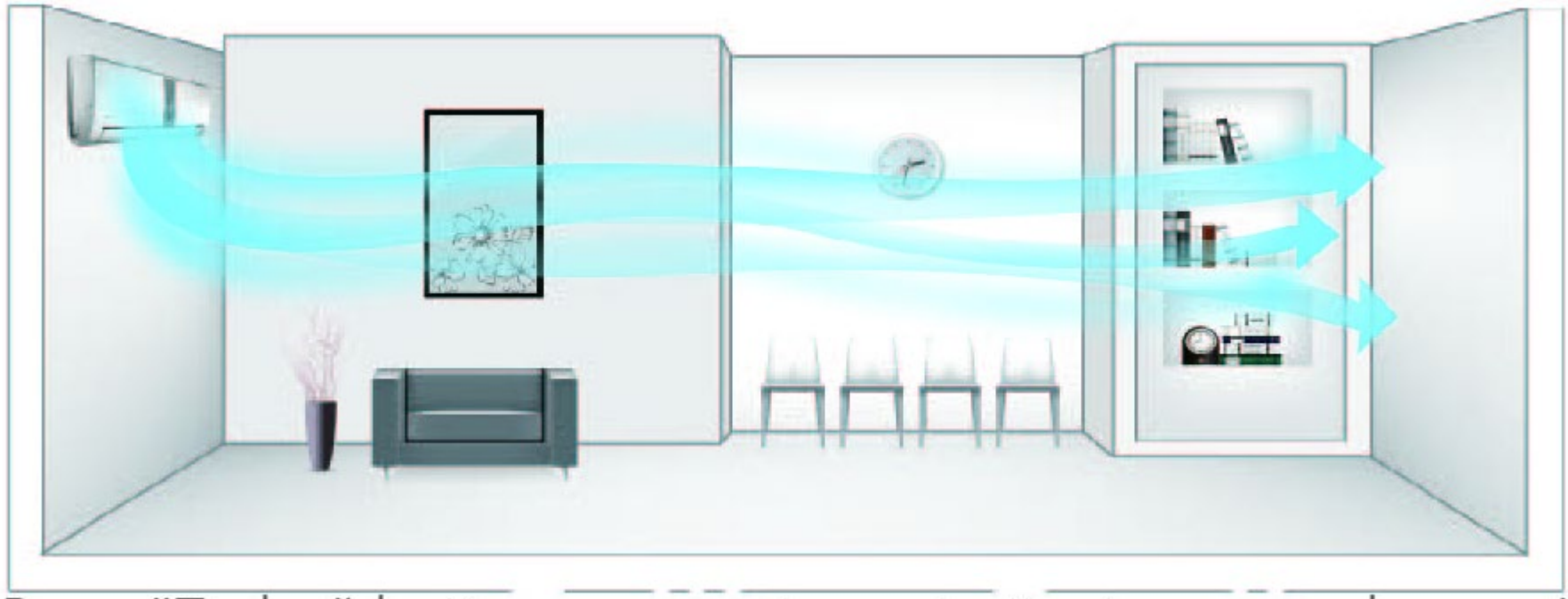
Function

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## Turbo



Press “Turbo” button to make a larger air flow, which enables the indoor temperature to reach the set temp. in the shorter time.



## Wide working temp

### -28K Lomo inverter

Cooling temp range: 18-48 °C

Heating temp range: -7-24 °C

### -36K Lomo inverter

Cooling temp range: 18-43 °C

Heating temp range: 2-24 °C

## Comfortable

-Horizontal cooling

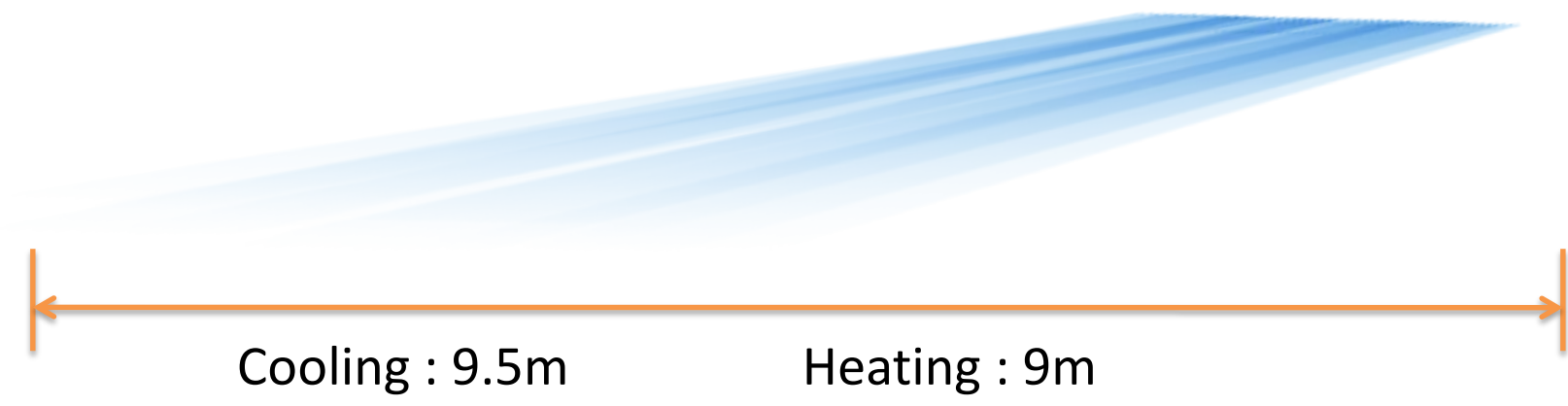
Airflow from ceiling to ground

-Waterfall heating

Airflow warm from toe to tip.

# Comfortable lifestyle

## Long Distance (Air blowing)



## Wide angle swing

Louver angle can be adjusted step by step by pressing swing button on remoter.



## Timer & Clock

- Set the clock with real time.



## Lock

- To lock the buttons to avoid improper operation.

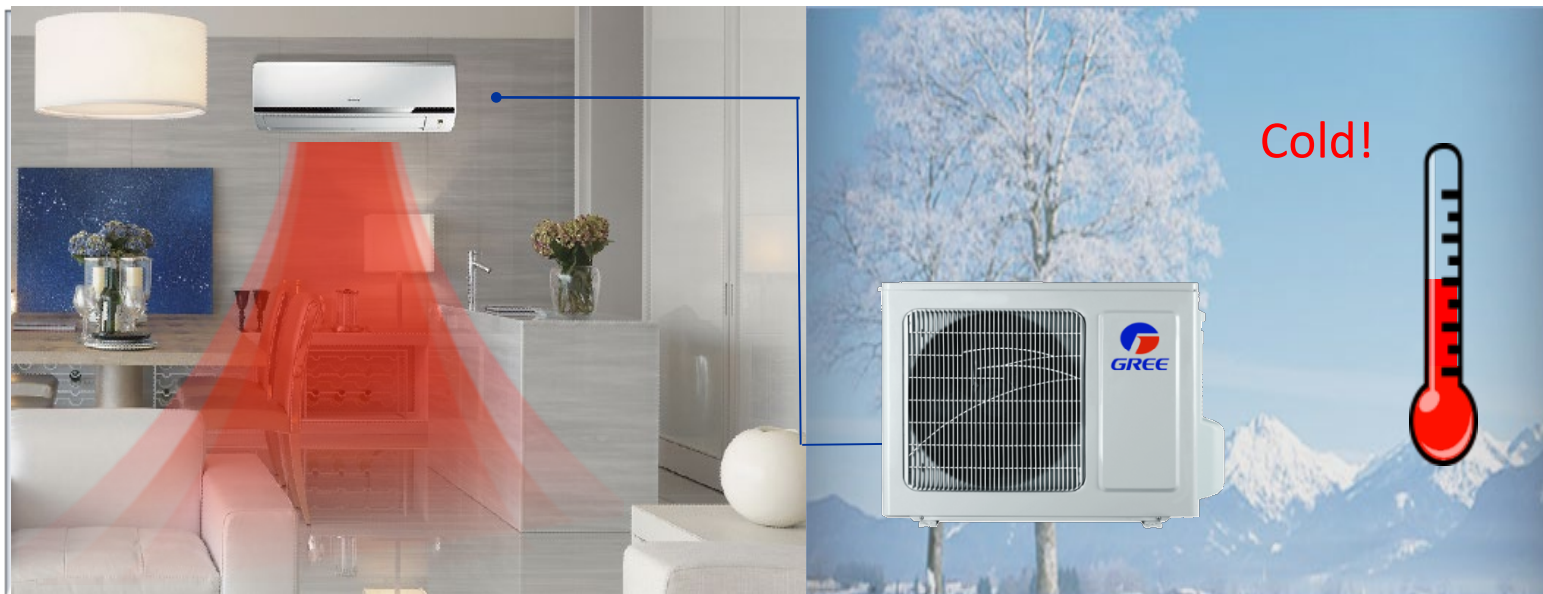


## Light

- To enjoy peaceful sleep without LED light disturb; Press this button to turn off the LCD light.

## 8°C heating (For 28K)

Maintain the room temp. steadily at 8 °C and prevent the room from freezing by heating operation when nobody is at home for long in winter.



## Intelligent auto-restart

Auto-restart according it memory after power recovered.

Restart in succession randomly to avoid impact of electricity supply.  
(Suitable for engineering project)



## Soft start

Adjusting the startup voltage and capacity of compressor to lower its starting current, enabling the compressor to start smoothly, restraining the impact on distribution network and postponing the wastage on compressor.

Better protection to the PCB board.

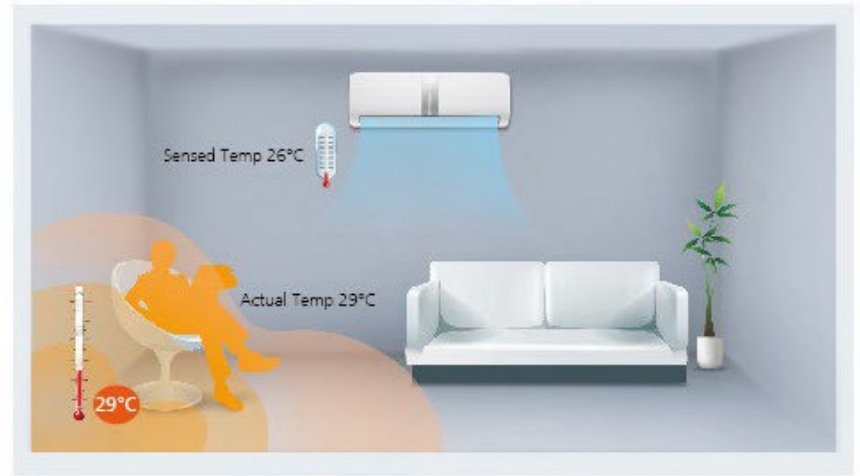


## I feel (28K-standard, 36K-optional)

The mini sensor in the remote controller can sense its surrounding temperature, and transmit the signal back to adjust the air flow volume and temp. accordingly so as to provide maximum comfort.



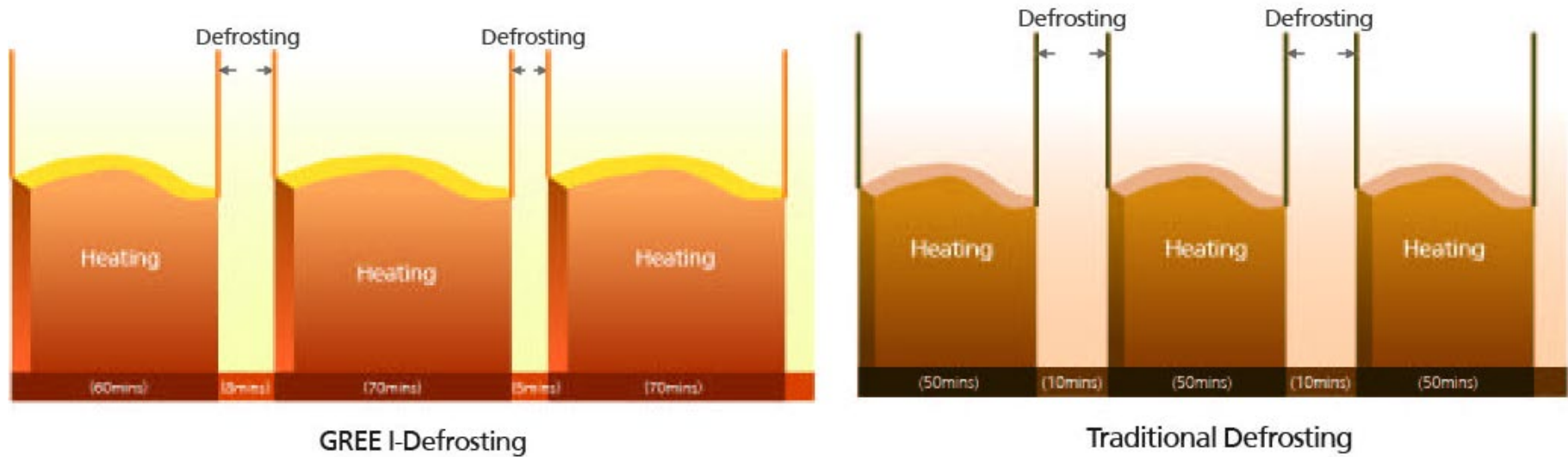
Remoter with I Feel



Remoter without I Feel



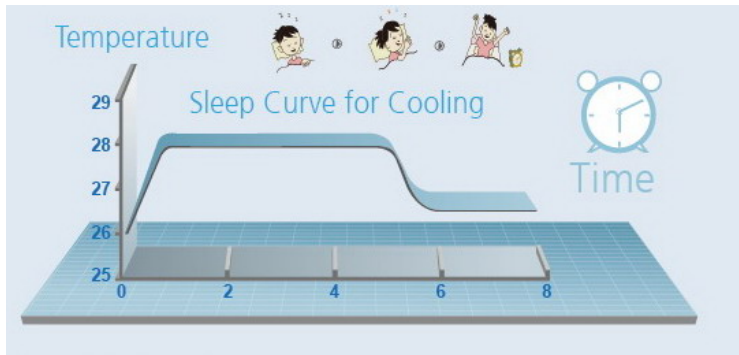
## Intelligent Defrosting



Maximize warm comfort with shorter defrosting time.

Traditional defrosting works by setting time. E.g. defrosting process is on for 10 mins for every 50 mins.

Gree I-Defrosting is only performed when needed, which reduces energy waste by eliminating the unnecessary defrosting process.



## 3 Sleep Curves (Only for 28k)

### Mode 1:

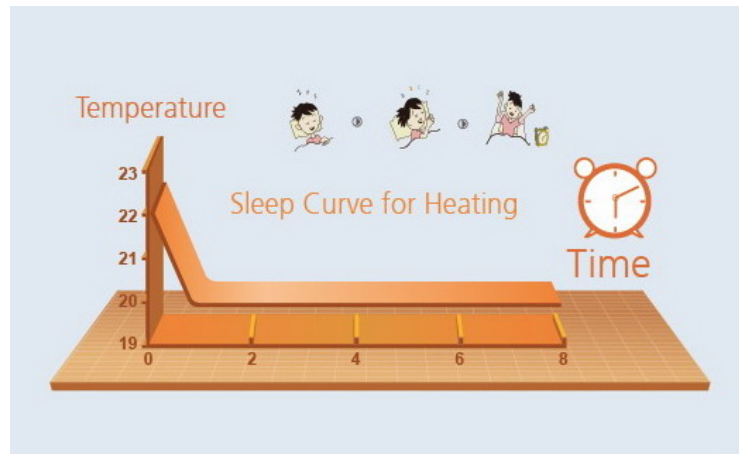
Indoor temp automatically rises (when cooling)  
Or drops (when heating)

### Mode 2:

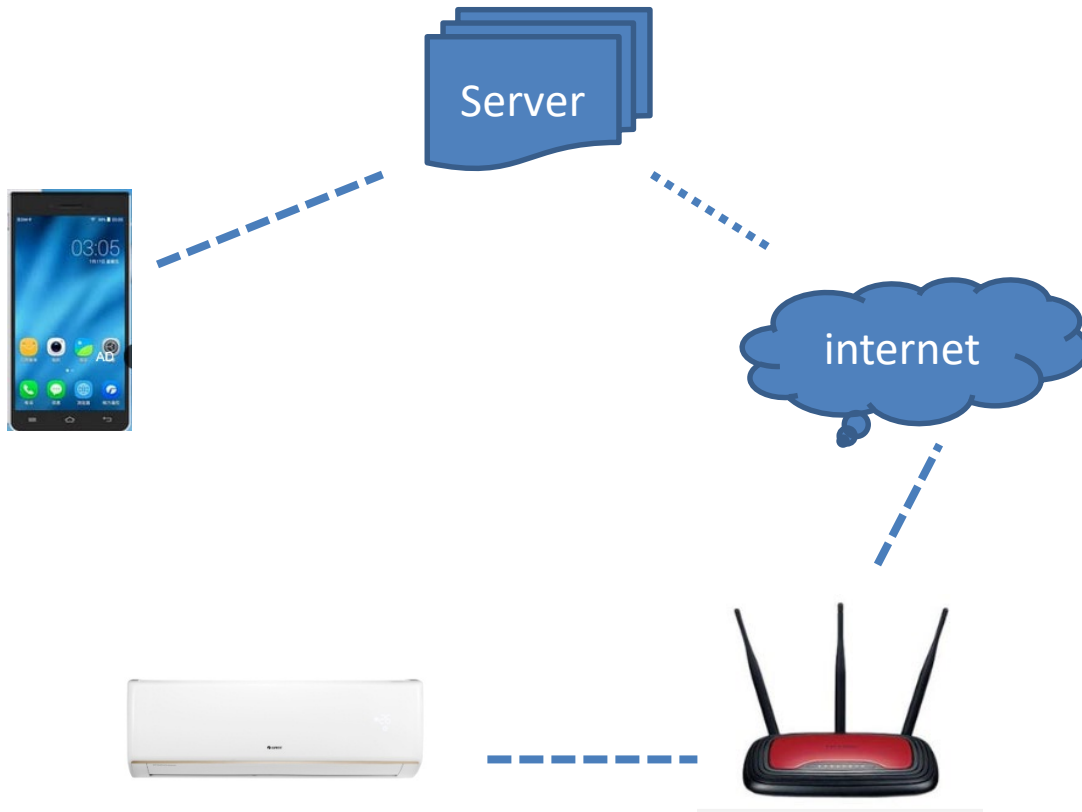
Featuring unique refreshment function, the  
Temp is automatically adjusted to be a little  
Lower before you wake up.

### Mode 3:

You could design your won sleep curve under  
DIY mode.



## Smart WIFI Function (Only for 28K)



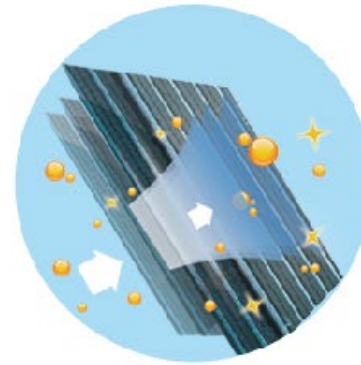
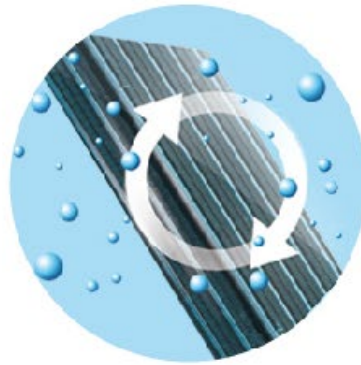
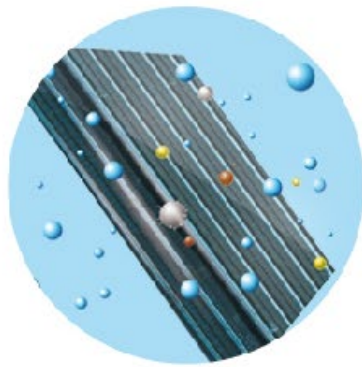
Gree brand APP



APP Name:  
Gree +

Gree smart home

## Auto Clean -X Fan



① Water still exists in air conditioner after power off

② Air louver keeps operating

③ Keep clean and dry inside the unit

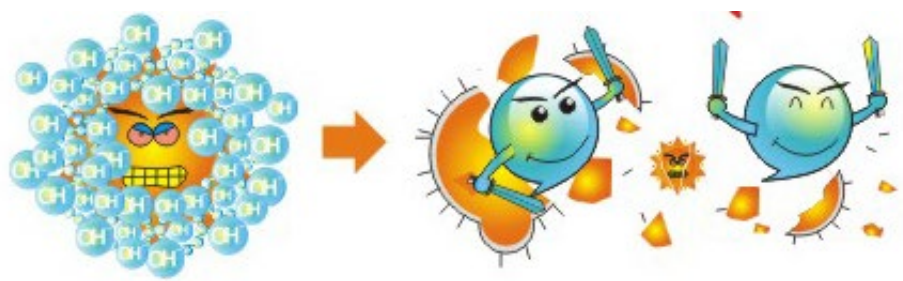
Cross fan continues to dry inside of IDU.  
After switching off the unit so as to keep clean and healthy.

## Health function-Cold plasma (Optional)

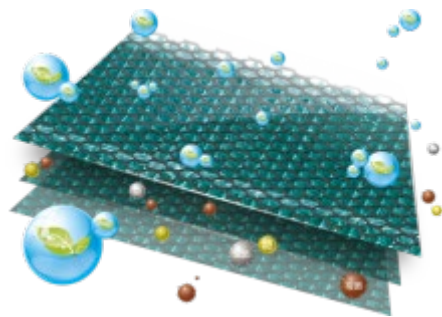
**Step 1:** Cold plasma generator releases plasma (both positive and negative plasma)  
From the air outlet to every corner of the room in the unique way.



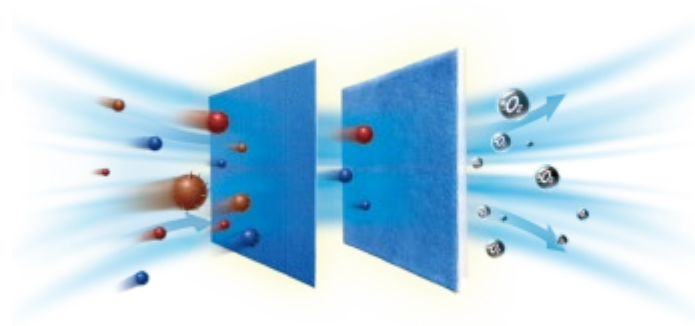
**Step 2:** Through the chemistry action, plasma widely kills various bacteria which cause food poisoning, food decaying, human infectious syndrome and anaphylaxis.



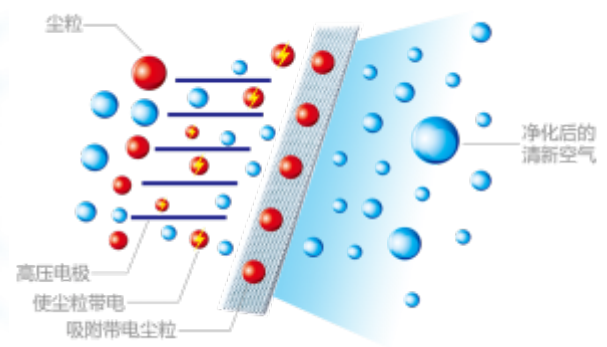
## Purify air—Healthy filter (optional)



**Catechin Filter**



**Photocatalytic Filter**



**Silver Ion Filter**

Parameter

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# Parameter list

## LOMO Inverter 28K/36K

		Model	GWH28QE-K3DNB4E	GWH36QF-D3DNB2N
		Parameter		
Cooling capacity (Btu/h)			27006	32414
Heating capacity (Btu/h)			27125	33437.6
Power			220-240V/50HZ	220-240V/50/60HZ
EER/COP(W/W)			3.52/3.50	2.44/2.97
Sound Power level (IDU) (dB(A))			65/61/58/55/52/50/48	66/61/57/51
Sound Power (ODU) (dB(A))			71	71
Refrigerant		R410A		
Dimension (IDU) (mm)			1078×325×246	1350×326×253
Dimension (ODU)(mm)			980×790×427	980×790×427
Loading Quantity	20ft		42	38
	40DV		87	78
	40HQ		107	99