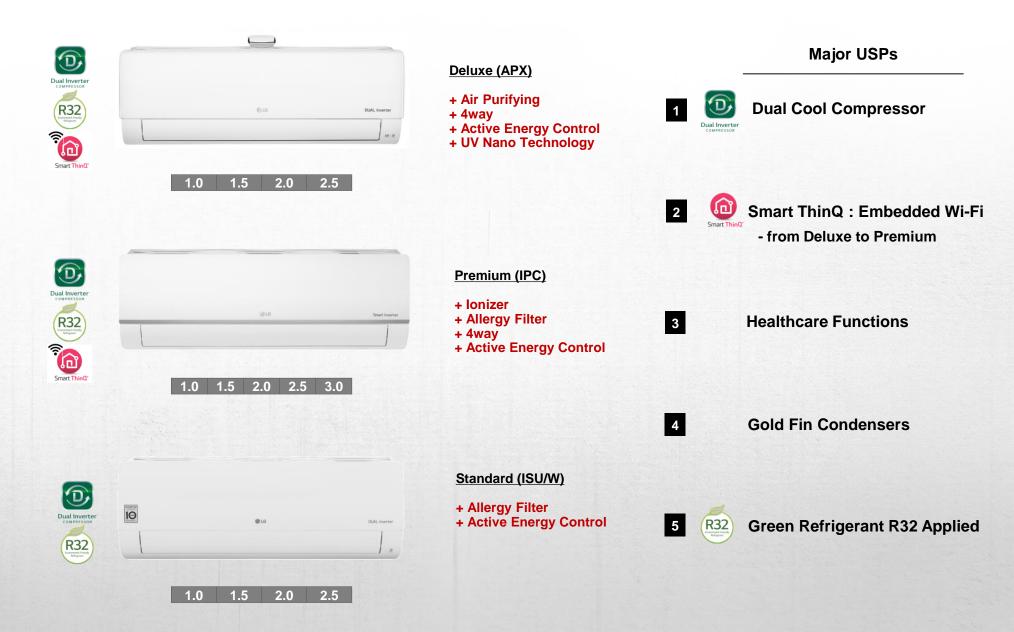


Product Lineup







Rey features Performance comparison

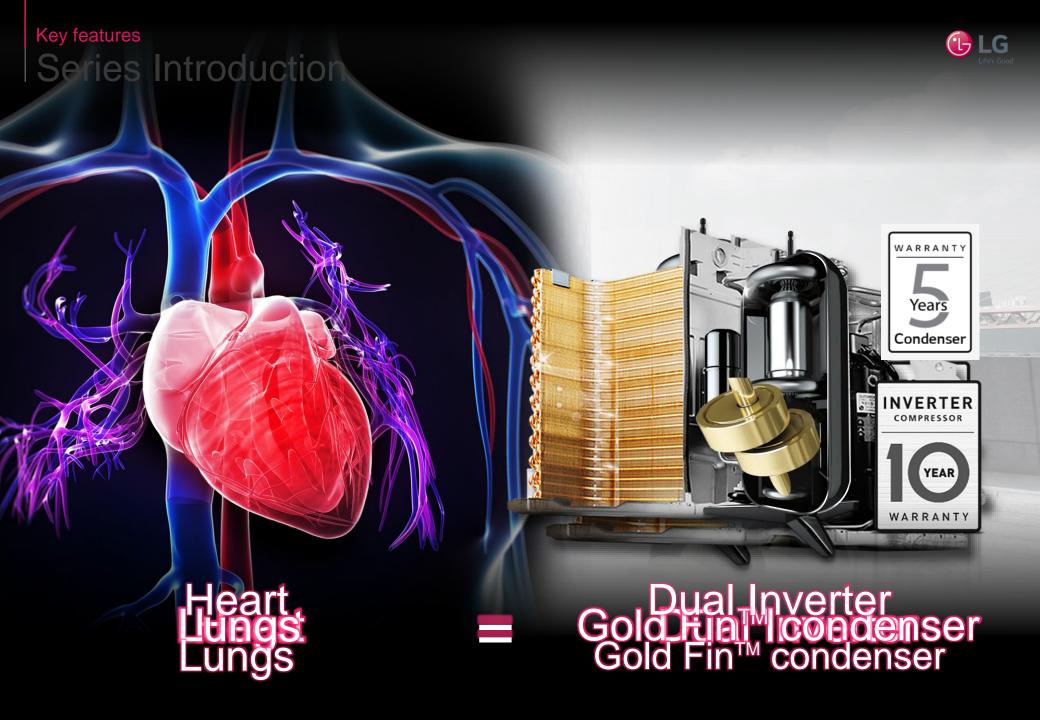
LG DUALCOOL offers the best performance in any environment

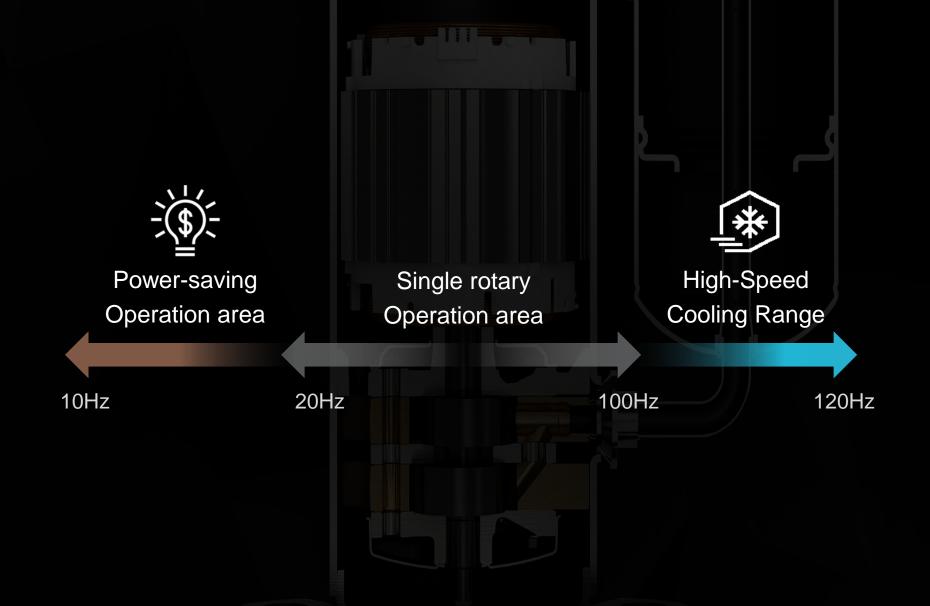
DIFFERENT ACTION!



SINGLE INVERTER"

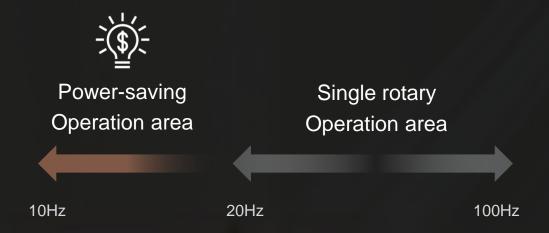
DUAL INVERTER" "LG DUALCOOL"











70% ENERGY SAVING & OPTIMUM TEMPERATURE











Energy Saving & Power Cooling

LG's highly efficient advanced inverter technology and innovative energy saving technology provides powerful performance while minimizing energy consumption.



Dual Inverter



Dual Inverter Compressor

Maximum Efficiency & Cooling

How it works

Varied-Speed Dual Rotary

A compressor motor with a wider rotational frequency saves more energy and has a higher speed cooling range than conventional compressor.

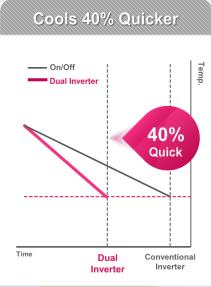






Test Result







TUV Rheinland, Verification on Fast Cooling & Power Saving Rate





Active Energy Control



Active Energy Control allows users to adjust energy consumption levels and total cooling capacity by controlling the maximum frequency of the compressor motor

Concept

LG lets you take an active part in conserving energy and saving money with active changes to the Energy Control function, according to the situation.



AND HOOM

ROOM



Power cooling

20m Windblast

Bigger Skew Fan

A 25% larger skew fan expels more powerful blasts of air.

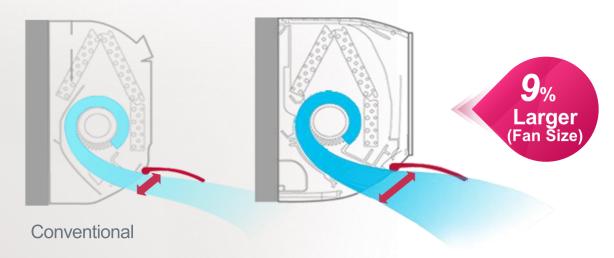




Wider Outlet

An optimally designed larger outlet fills spaces with cooler air faster and farther.







Power cooling

20m Windblast

Test Result



Test Specification

Ambient temperature: 25±3

Voltage: 220-240V~

Test Method: 33919-4520-4701 "LG Air Flow Analysis Standard"

Certificate



TUV Rheinland, Verification Certifying 20m Airflow

20m







Jet Cool



The optimized design of the air outlet provides more powerful airflow, which cools the room by up to 5 degrees in just 3 minutes.

Concept

Jet cool is able to reach temperature settings up to 3 times faster than other air conditioners, the optimized air outlet design increases the velocity of internal circulation by up to 20%.





16°C Set



Conventional lowest setting temp. 18°C is reduced to 16°C, so you can have more fast cooling.

Concept

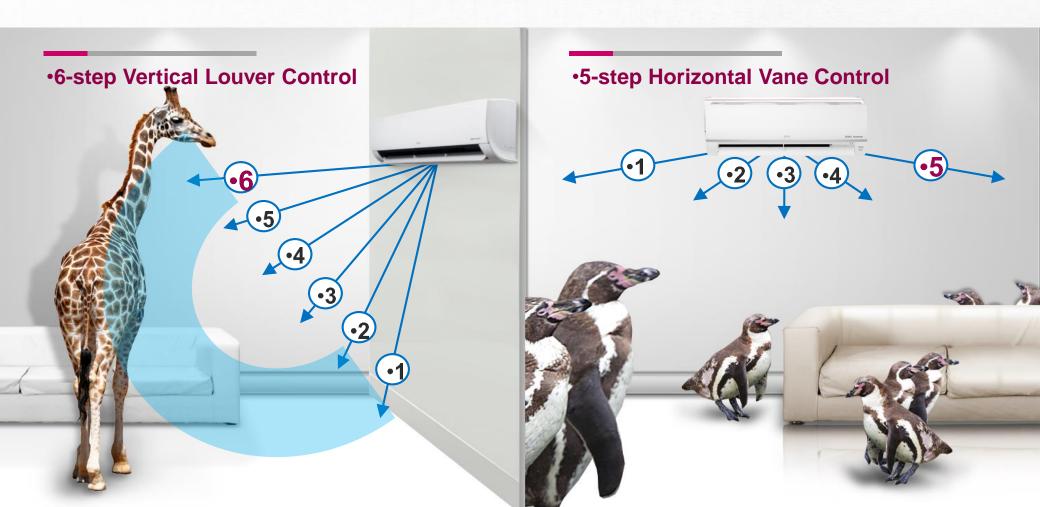
You can to set the lowest setting temp. is 16°C







How it works





(100%) R32 Refrigerant





Inverter Durability

LG

Improved durability of LG air conditioner.

Excellent Durability

10 Year Inverter Compressor Warranty

The Compressor is to the Air Conditioner the same as the engine is to the vehicle with the 10 Year Warranty on the Compressor.



Gold Fin ™

LG's exclusive anti-corrosion coating protects the heat exchanger from corrosion and wear that results from prolonged exposure to harsh climate.

5 Year Condenser Warranty

Ultimate Durability with the 5 Year Warranty on the Condenser. (Indoor & Outdoor)

Volt Care (High & Low Voltage Safe)

Upgraded LG PCB
(Power Circuit Board)
Ensure safety against highvoltage or power surges and
ultimately strengthening the airconditioner's durability. (450V)







Gold Fin™

Patented Anticorrosion Coating

Sand and dirt can blow into and damage an air conditioner, causing it to breakdown and decreasing the life of the product.



Test Result

Test result 360 hrs. after being exposed to sodium chloride

Conventional Fin









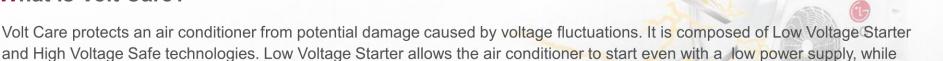
Volt Care (High & Low Voltage Safe)

High Voltage Safe protects the unit and keeps it running efficiently.

ULG

Extreme Durability

What is Volt Care?

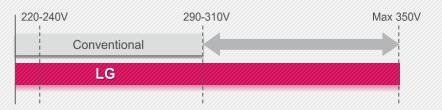


Benefit & Test Result

High Voltage Safe

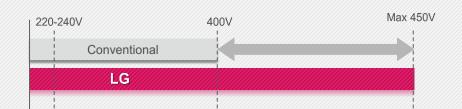
Operation Range

Volt Care ensures full functionality even when electrical current jumps to 350 V. This system provides an operational range that is 20-25% wider than that of most competing models.



PCB Spike

The upgraded PCB can withstand spikes in voltage as high as 400-450 V—around 14% more than the average residential air conditioner.

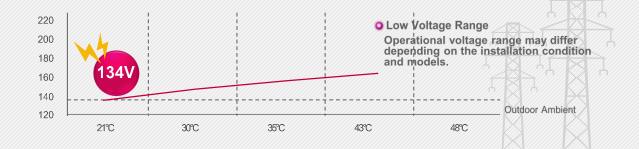


Low Voltage Starter

Operational Voltage Range Test Result

The Low Voltage Starter enables an air conditioner to operate continuously at lower voltage.

*Operational voltage range may differ depending on the installation condition and models.







Ionizer

Sterilizes Up to 99.9% Bacteria & Deodorizes

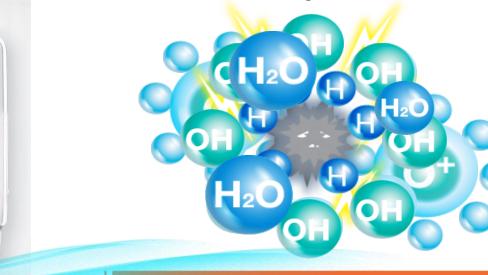


What is ionizer

Over 3 million ion sterilize not only the air going though the air conditioner, but all surrounding harmful substances and even odor.

How it Works

Through a 5-step process, ionizer function has been proven to sterilize over 99% of adhering bacteria within 60 minute.



Complete Sterilization

• (b)(a) aldio all surpression its light through the light and the light





Dual Protection Filter



The Antibacterial Air Filter is the first line of defense, designed to initially capture dust particles over 10µm in size then eliminate finer particles, bacteria from various other sources.

Concept

The Anti Bacterial Air Filter is the first step for dust and bacteria removal in your AC. It was designed to capture dust particles over 10µm in size, and then remove finer/smaller particles and bacteria from other sources.

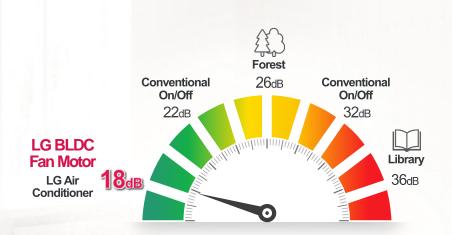




Low Noise(18dB)

Pain point

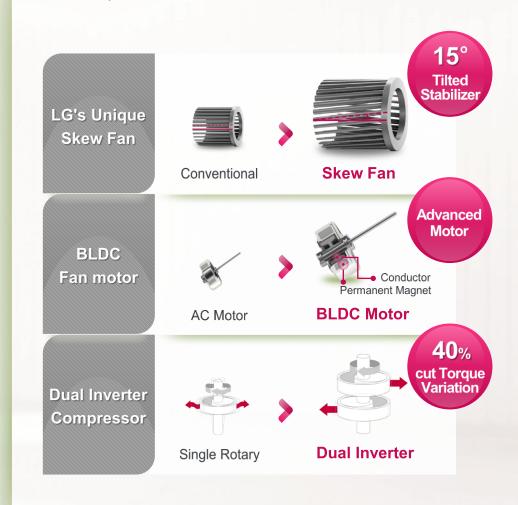
- Air conditioners can sometimes disrupt living environments if they are too noisy
- especially during the night when their sound is more easily heard.





Noise Control Technology

Ultra Quiet 18dB







Pain point

Having the air conditioner turned on while asleep can lower body temperature or cause discomfort, especially if the outflowing air is blowing directly onto a room's occupants.

1 Touch Soft Air adjusts vane angle to prevent this, providing ultimate sleeping comfort

How it works

Comfort Vane

This option conveniently sets an ACs louvers to a preset position so that outflowing air is directed away from a room's occupancy

Benefit

- Convenient Control
 Enjoy utmost comfort in just one click
- Cool and Healthy Air
 Prevents sudden drops in body temperature.



-Cooling & heating without uncomfortable airflow.

-Optimized for gentle airflow cooling.

Scene 2

Declines to a maximum 0° angle



- -Sets vane angle to lowest position.
- -Cooling & heating without uncomfortable airflow.
- -Optimized for gentle airflow heating.





Smart ThinQ(Wi-Fi Control)

Easily access and control an air conditioner's functions from anywhere





Smart ThinQ(Wi-Fi Control)



Wi-Fi Connectivity

Access your air conditioner at anytime and from anywhere with a Wi-Fi equipped device and LG's exclusive air conditioning control app.







Improved Convenience

AC Control from Anywhere















Smart Diagnosis

AC Diagnosis via Smartphone

Using Smart Diagnosis

Pushing the Smart Diagnosis button (Pushing



button for 5 seconds) on the remote

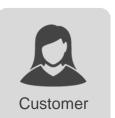
By using Smartphones

Transmit Captured Image of Smart Diagnosis (Android/iOS)











Run Smart Diagnosis app and press "Receive" button for acoustic communication signal



Press Smart Diagnosis button to receive acoustic communication signal transmitted by the indoor unit through the app



Receive data from the product and screen shot



Transfer captured image to the service technician





Review received image



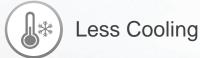


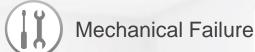
Low Refrigerant Detection





Low Refrigerant Cause





Easy Detection

When low level of refrigerant is detected, alternately show CH and 36 on the display.

Longer Life Span of AC

Why LG Inverter?



" DUAL Benefits "



Benefits for Customer (End-User)



More Energy Saving (Max 70% Saving)

with Dual Inverter Compressor



More & Faster Cooling (Max 40% Faster)

with Dual Inverter Compressor



More Durability

- 10 Year Compressor Warranty Program
- 5 Year Condenser Warranty Program
- Gold Fin Condensers



More Convenience

- Low Noise 18dB
- Wi-Fi Control
- Precise Temperature Control
- Comfort Air
- Healthcare



Benefits for Customer Installer / ASC



Easy Maintenance

- Low Refrigerant Detection
- Smart Diagnosis



Easy Installation

- Compact & Slim Indoor Unit







2019 Product Lineup







0.8 1.0 1.0 1.5 2.0 2.5



0.8 1.0 1.5 2.0



Inverter (WC/WL)

- + Energy Saving up to 70%
- + Fast Cooling up to 30%
- + Low Noise 44dB
- + 4way swing (manual)

Major USPs

Enhanced Inverter Lineup



Premium (PC)

- + 4way swing (manual)
- + Remote Control

Smart ThinQ: Embedded Wi-Fi

Green Refrigerant R32 Applied

5 **Timer and Remote Models**

Standard (LC)

- + 4way swing (manual) + Manual Timer



Dual Inverter Compressor Technology



What is Dual Inverter Compressor

LG Inverter units adjust and constantly vary the compressor speed to maintain the desire temperature with minimal fluctuations to ensure your comfort is not compromised. LG compressor also powerful yet silent in performance while greatly lowering energy consumption by as much as 70%.

How it works

Varied-Speed Dual Rotary

A compressor motor with a wider rotational frequency saves more energy and has a higher speed cooling range than conventional compressor.

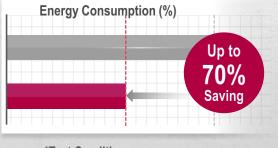






Inverter operation at low Hz enables energy saving up to 70%.





*Test Condition Indoor : 18°C

Outdoor: 35°C

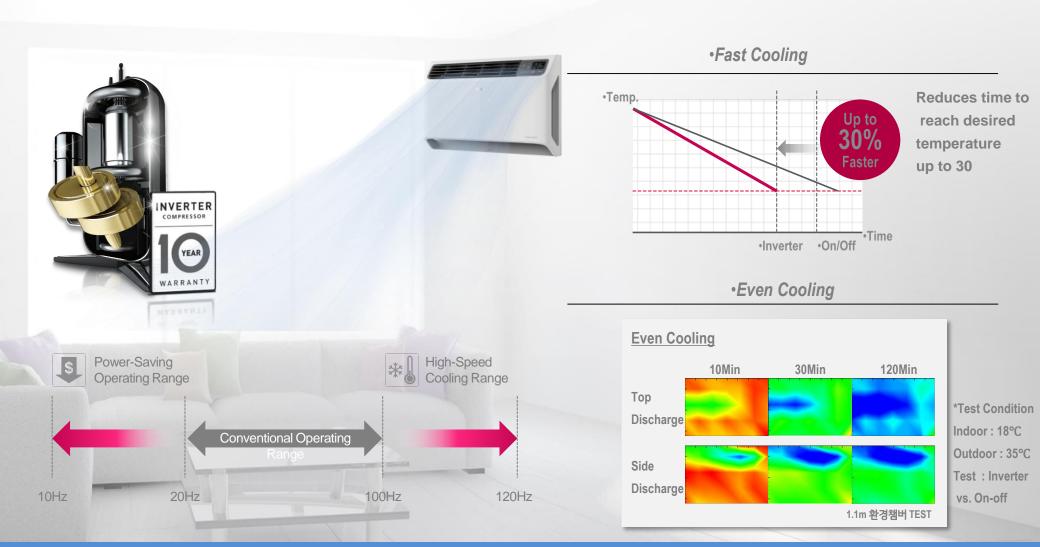
Test: Inverter vs. On-off



Fast cooling up to 30%



Keep cool this summer with new large top air discharge that allow you to feel the air in all the corners of the room. Now cooling is more faster and powerful, and keeping the space cool and comfortable.





Superior Cooling Capacity



LG DUAL Inverter compressor 1.0 HP model can cool up to 12,000 KJ same as on/off 12,000 KJ (1.5HP)

Inverter (1.0HP)





Cooling Capacity (Max) 12,000 Kj/Hr

Non Inverter (1.5HP)





Single Rotary

Cooling Capacity (Max) 12,500 Kj/Hr



Energy Saving Mode



In this mode the compressor and fan turn off when the set temperature is achieved. Approximately every 3 minutes the fan turns on to allow the unit sensor to accurately determine if more cooling is needed.



X You can save electric charge by set this mode



It can be entered by Remote Controller

When the compressor stops cooling, the fan also stop.

The fan will turn on approximately every 3 minutes and check the room air to determine if cooling is needed.

.



Even Air Flow



4-way deflection disperses cool air quickly and effectively in multiple directions to each corner of the room.

- Inverter Comfort Air flow
- ✓ Minimized temperature fluctuation due to Dual Inverter's low Hz operation
 - Pleasant cooling compared to on-off which turns on & off frequently



16°C Set



Conventional lowest setting temp. 18°C is reduced to 16°C, so you can have more fast cooling.

Concept

You can to set the lowest setting temp. is 16°C





Auto Clean Function

In the Cooling and Dry Mode, moisture generated inside the indoor unit is removed.









Convenience



Clean Filter

- ☐ The LED lights up to notify you that the filter needs to be cleaned.
- → After cleaning the filter, press "Temp∧∨" together to turn off 'Clean Filter' light. (Filter reset must be done from unit control panel not remote control).



* This feature is a JUST Reminder to clean the air filter for more efficient operation.

The LED light turns on after 250 hours of operation

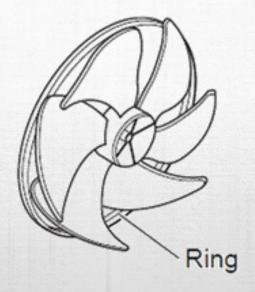
Convenience



Slinger Fan

This air conditioner is equipped with a slinger fan.

The fan's outer ring picks up the condensed water from the base pan if the water level gets high enough. The water is then picked up by the fan and expelled through the condenser, making the air conditioner more efficient.



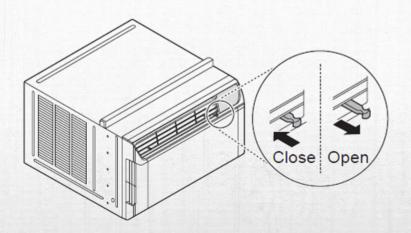
Convenience



Ventilation

☐ Push the ventilation level in to the closed position to maintain the best cooling performance.

Pull the ventilation lever out to open the vent and draw fresh air into the room.



Does the ventilation lever open?

The ventilation lever must be in the CLOSE position in order to maintain the best cooling condition. Otherwise hot air will come into the room.

 \rightarrow Put the ventilation lever at the "CLOSE" position

When you want to come the fresh air into the room, set the ventilation lever at the "OPEN" position and set the fan mode



Smart ThinQ(Wi-Fi Control)

Easily access and control an air conditioner's functions from anywhere





Thank You