

**TCL** AIR CONDITIONER

**TCL** AC FreshIN

# FRESH AIR CONDITIONER A NEW GENERATION OF AC

Remove Odors | Optimize Humidity | Enjoy Cleaner Air



# TCL FreshIN Series A New Generation of AC

Leading The Fresh Air AC  
Industry

With the premise of smart health, we aim  
to fulfill users' needs for comfortable and  
healthy indoor air.

Third Generation  
Inverter Fresh Air Conditioner

Smart and Health-conscious

Second Generation  
Inverter Air Conditioner

Energy-saving and Comfortable

First Generation  
Fixed Frequency Air Conditioner

Cooling and Heating



# TCL FreshIN Series A New Generation of AC



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# Addressing Air Quality Issues

## Safeguarding Health



### Remove Odors

FreshIN can effectively remove Indoor foul air, resulting in a refreshing, odor-free indoor environment upon waking up



### Optimize Humidity

Fresh air improves indoor air humidity, reducing occurrences of dry mouth and throat.



### Enjoy Cleaner Air

Fresh air makes breathing smoother and ensures adequate oxygen supply.

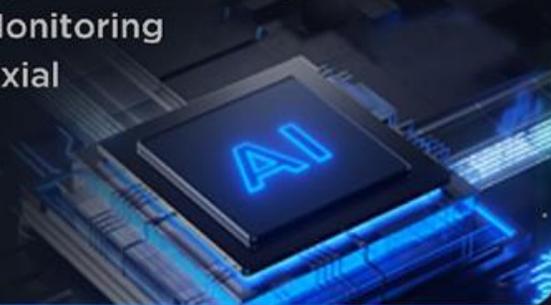


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# User Experience Upgrades

## Energy-saving

- Super Energy-saving AI Big Data Model Algorithm
- Electricity Consumption Monitoring
- 108mm Large Diameter Axial Flow Fan



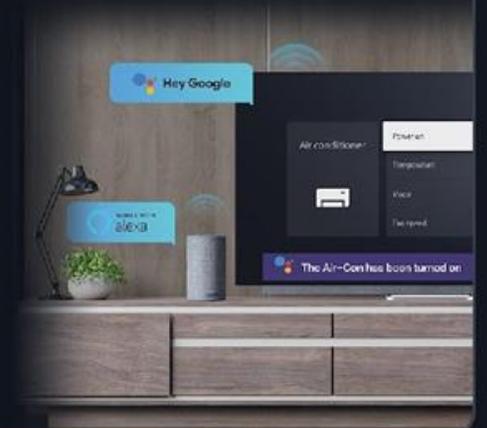
## Health-conscious

- FreshIN Technology
- Visible Air Quality
- QuadruPuri Filters
- Increasing Oxygen & Humidity Levels
- 16dB Fresh Air
- Gentle Breeze
- Stable Indoor Temperature



## User-centric

- Smart Control
- Off-line Voice Control
- Stable Operation at 151°F High Temp.
- Stable Heating at -13°F Low Temp.





**HEALTH-  
CONSCIOUS**

# FreshIN Technology

Featuring the patented design of liftable fresh air inlet – “FreshIN”, the AC will let you know when the fresh air comes into your room and direct the fresh air through the top panel.



Liftable Fresh Air Inlet  
Fresh Air Right Away



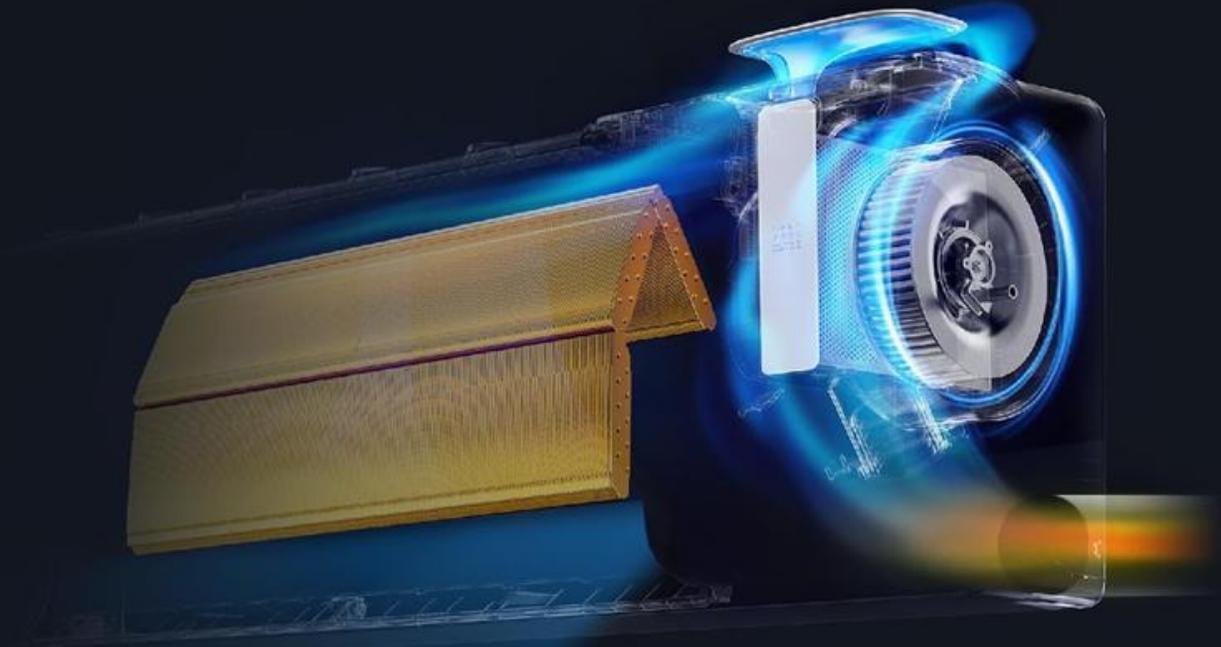
Precise Air Flow  
Faster Fresh Air Delivery



Stable Temp. Fresh Air  
No More Sudden Cold or Hot



Independent fresh air  
Super Energy-saving





## Visible Air Quality

Stay informed about the air you breathe with our air conditioner's real-time air quality display. Equipped with an integrated TVOC sensor, it can instantly detect various common harmful particles in your space, enabling you to maintain a healthy indoor environment.



Good  
(Blue)



Moderate  
(Yellow)



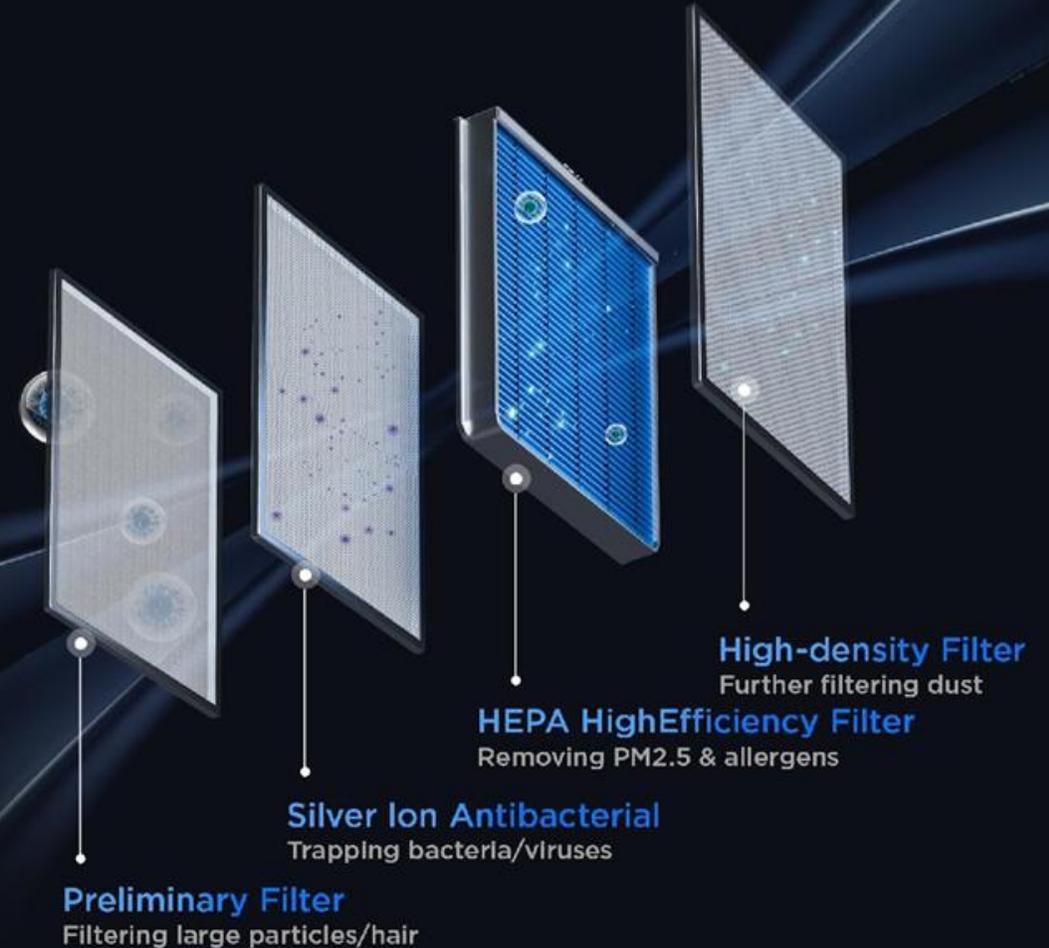
Unhealthy  
(Orange)

# QuadruPuri Filters

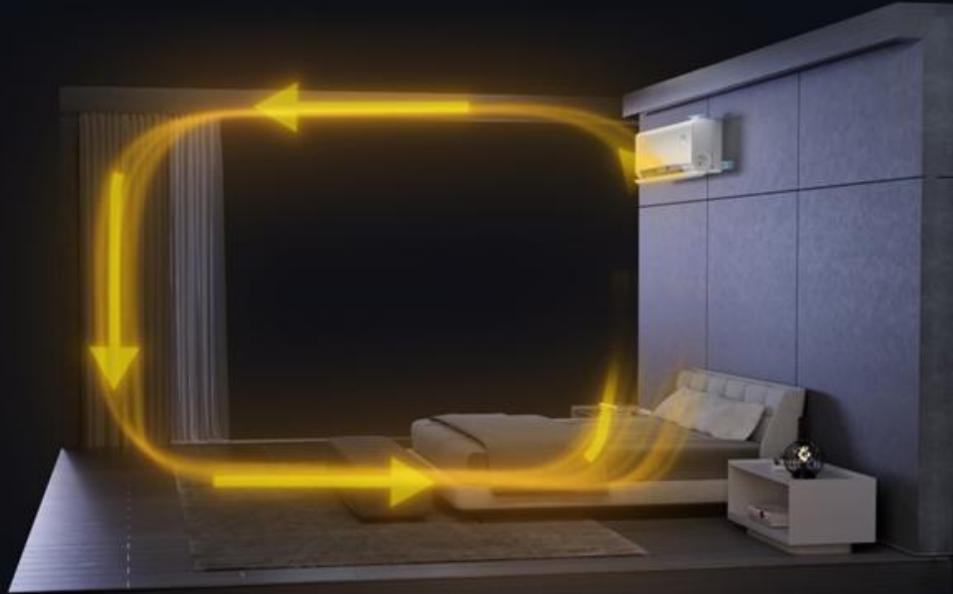
The fresh air will pass through quadruple purification filters including the preliminary filter, silver ion antibacterial layer, HEPA high efficiency filter and high-density filter to ensure efficient air purification.

## Filter Life Span Reminder

Reminds you when <20%, to ensure the fresh air is always clean and fresh.



**<40%**  
humidity | **2 hours**  
AC ON



**>45%**  
humidity | **2 hours**  
AC ON



## Increasing Oxygen & Humidity Levels

Without Fresh Air,  
Humidity decreases to **< 40%**

With Fresh Air,  
Humidity increases to **> 45%**

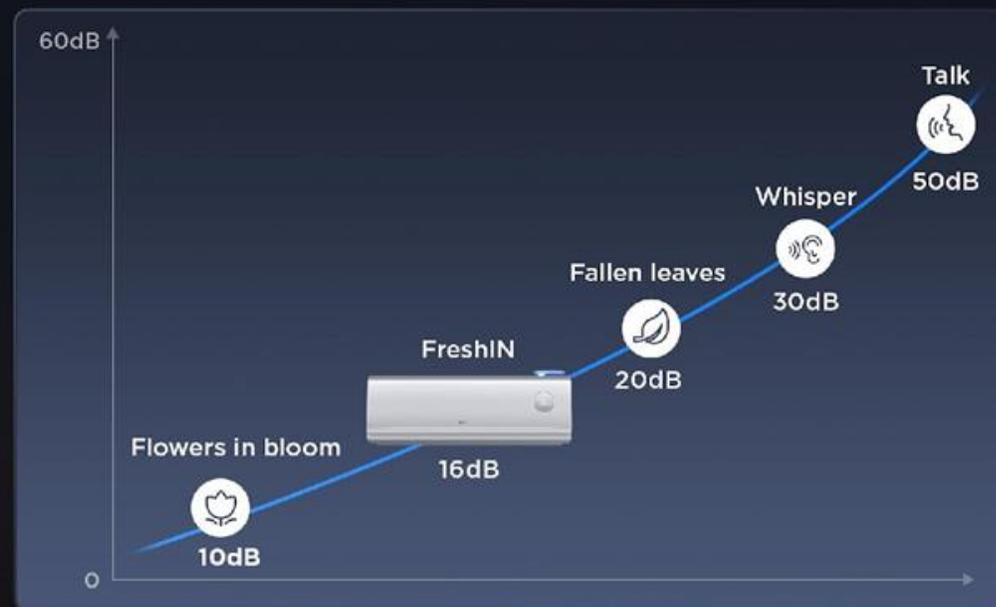
# 16 dB

Silent fresh air



## 16dB Fresh Air Enjoy Deep Sleep

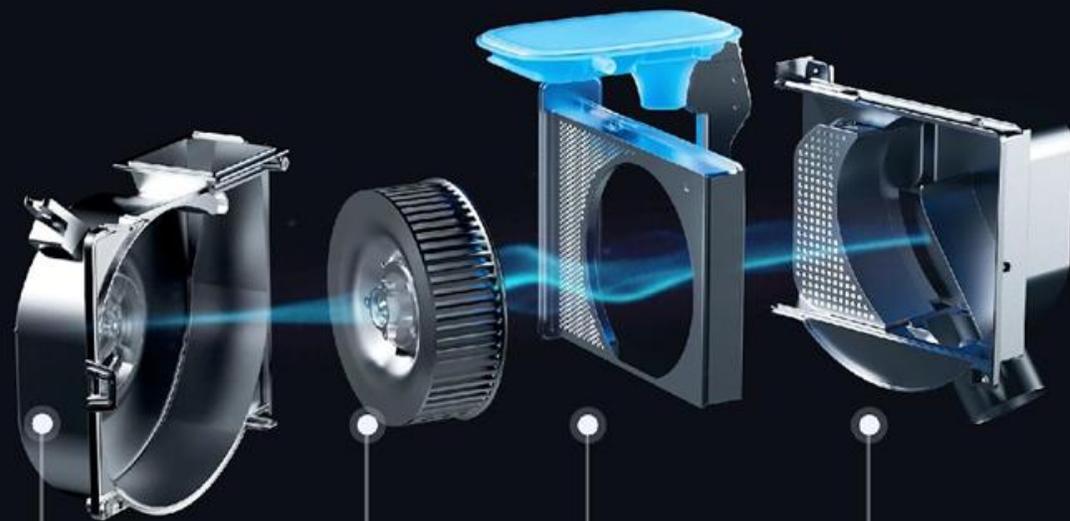
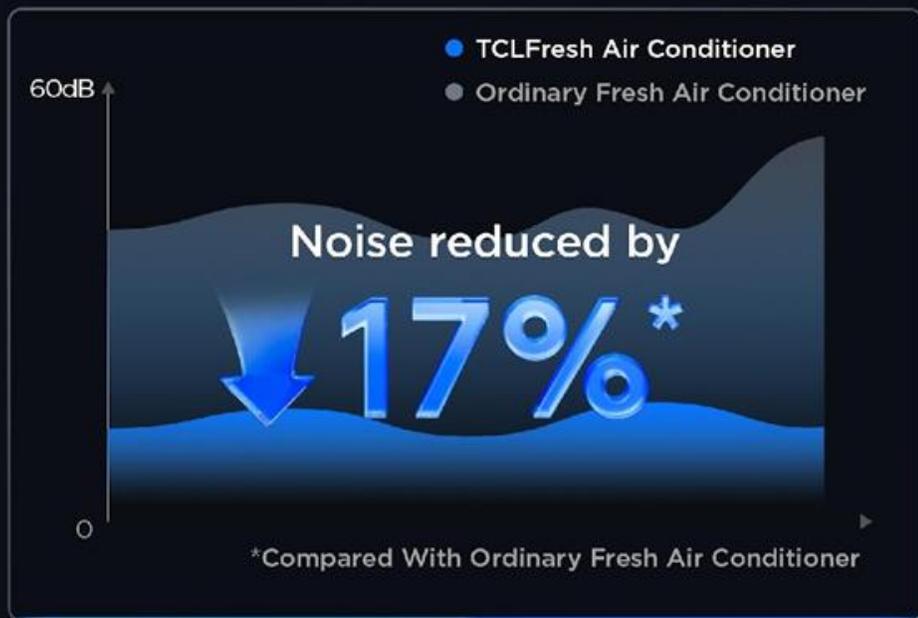
With noise levels as low as 16 dB, fresh air comes into your room as undisturbed as breathing, creating a serene and peaceful sleeping environment.



# Quadruple Noise Reduction System

## Reduces Noise to

**16dB**  
Quadruple upgraded airflow design, activating the fresh air function while reducing noise by 17%, creating a more comfortable and peaceful sleep environment.



Secondary volute tongue  
Abnormal noise reduction design

Dual-layer micro-hole  
soundproof chamber design

High-static pressure, long blade channel  
Silent fan design

Efficient air intake chamber  
Flow guidance noise reduction design

# Gentle Breeze

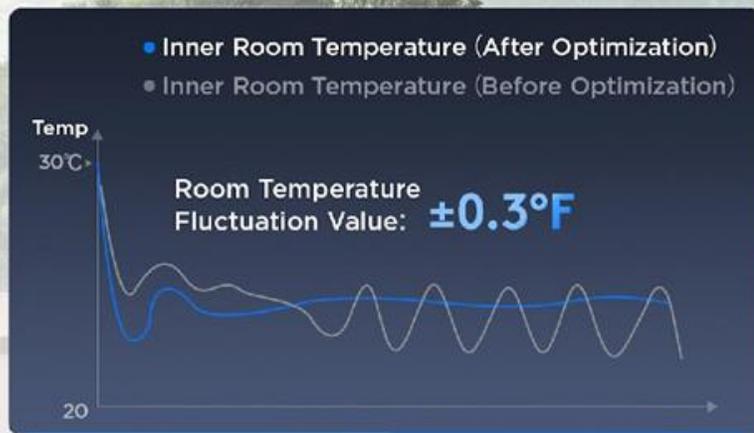
Powerful airflow passes through 1222 micro-holes, gently diffusing into a smooth laminar airflow.

The large air guide plate ensures a gentle, shower-like dispersion of air, preventing any direct blasts of cold air.



# Stable Indoor Temperature

After the fresh air being drawn into inside through the heat exchanger, it will be cooled down or warmed up and come out as the same indoor temperature with  $\pm 0.3^{\circ}\text{F}$  precision control to avoid uncomfortable temperature fluctuation.

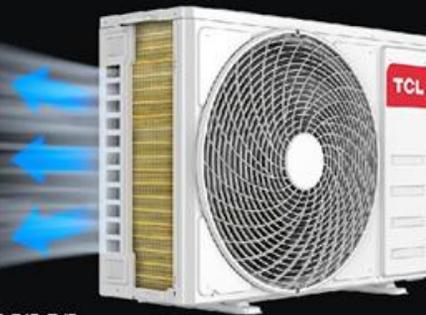


# Self-cleaning of Both Outdoor And Indoor Units

The evaporator undergoes self-cleaning via high-temperature drying and sterilizing at 133°F to eradicate bacteria. Additionally, automatic cleaning through the outdoor unit's reverse function expels dust, ensuring a cleaner air conditioning airflow and promoting healthier breathing.

## Outdoor Unit Self-cleaning

Experience effortless cleaning with our advanced technology. Our innovative Reverse Clean technology effectively removes dust and debris from the outdoor unit, ensuring clog-free air conditioners, which can boost the cooling efficiency of your unit and prolong its lifespan.



## 4-Step Self-cleaning



Dewing



Frosting



Defrosting



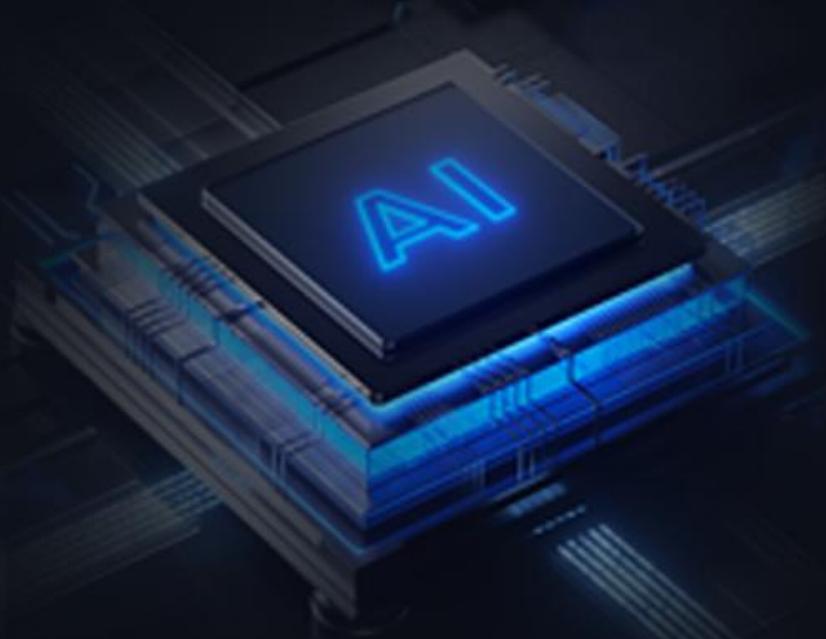
Drying And 133°F Sterilizing

**ENERGY-SAVING**



# Super Energy-saving AI Big Data Model Algorithm

AI energy-saving technology relies on data gathered from indoor temperature fluctuations. This enables the compressor to proactively adjust its operation frequency, allocating the majority of cooling power towards temperature regulation rather than unnecessary dehumidification and over cooling.



## AI Big Data Model Algorithm

Electricity  
consumption

- Super Energy-saving
- Normal Operation / kw.h

Up to **30%\*** Energy-saving



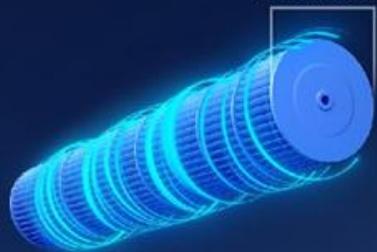
# 4.25inch Large Diameter Axial Flow Fan

Enhance air circulation with 108mm large-diameter axial flow fan, ensuring a steady flow of cool air and more energy-efficient operation.

## TCL FreshIN

Large fan diameter  
More circulating air volume

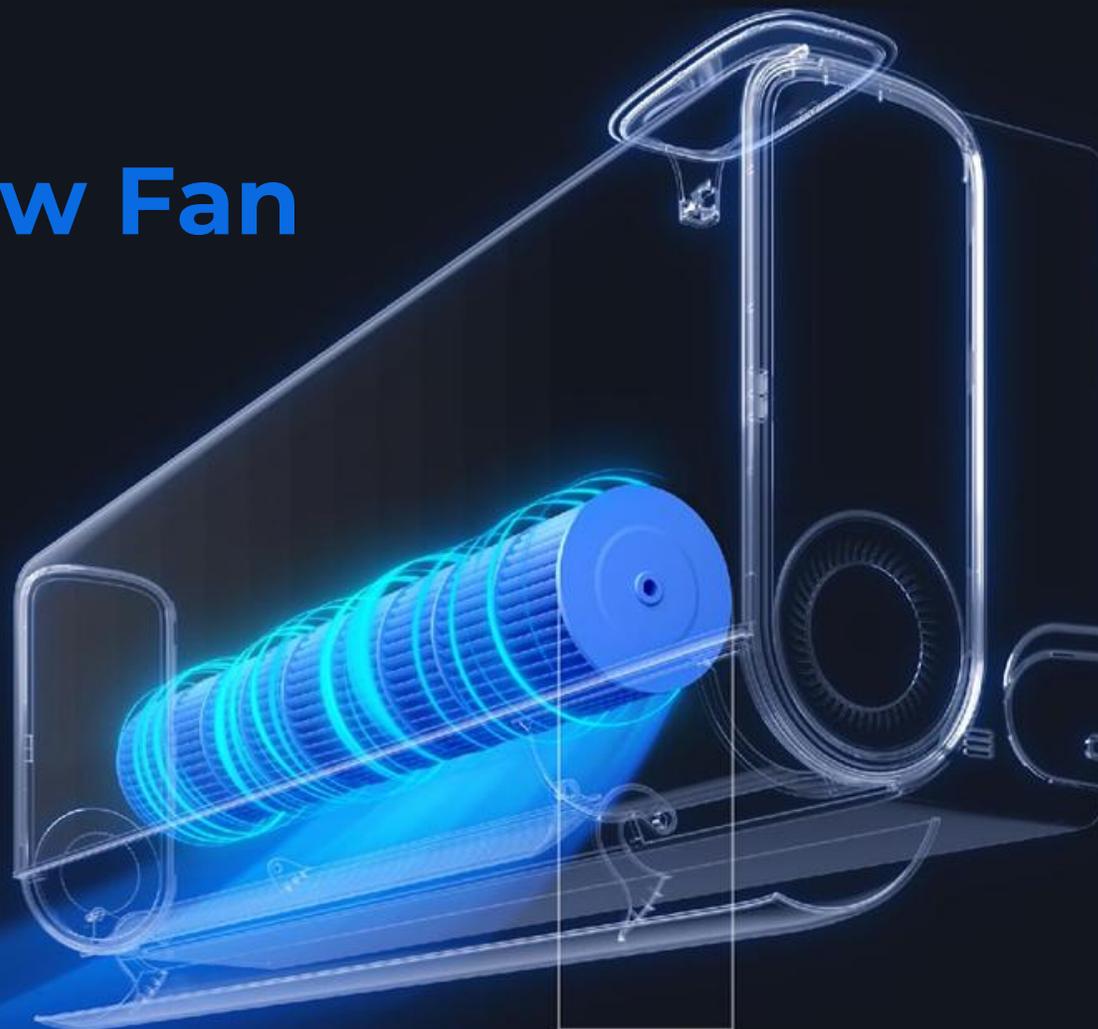
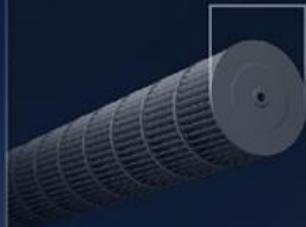
4.25inch



## Ordinary Conditioner

Small fan diameter  
Less circulating air volume

3.86inch



4.25inch

Large Diameter Axial Flow Fan

# Electricity Consumption Monitoring

TCL Home app provides users with a chart table displaying their electricity consumption. This feature allows users to track their AC usage and stay aware of their monthly costs.



**USER-CENTRIC**





🔊 OK, the temperature is raised

Hey, TCL. I feel cold

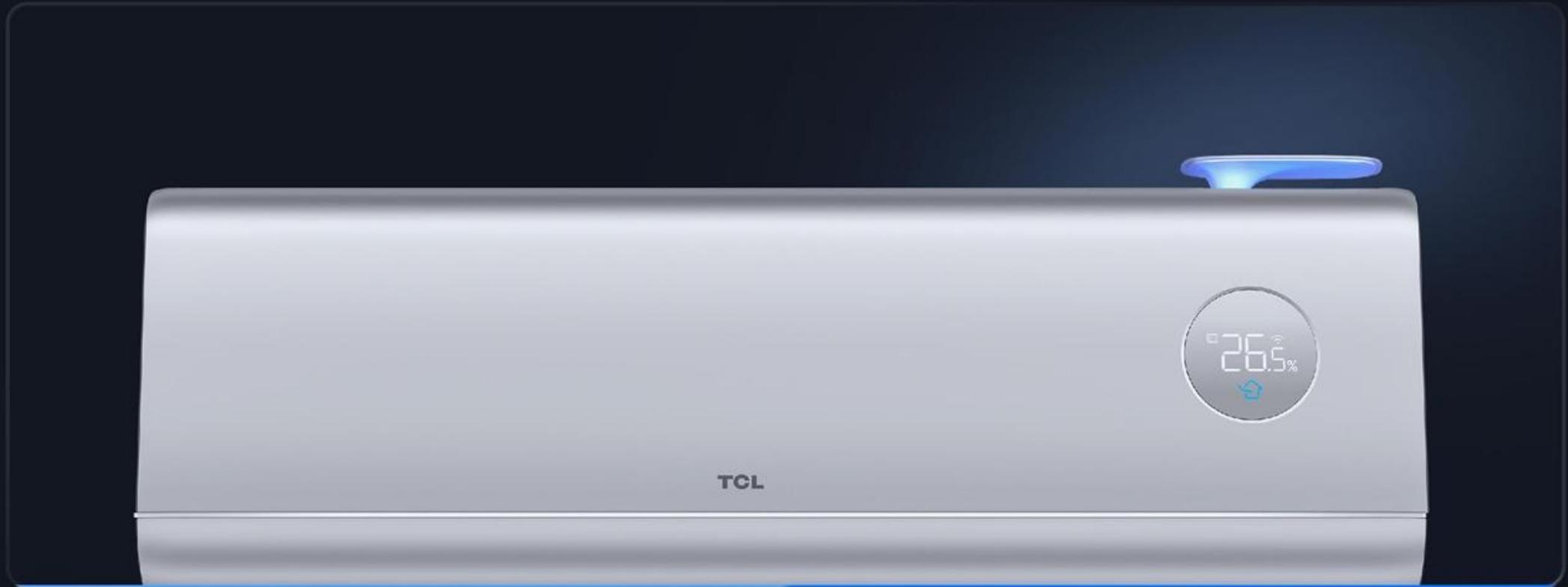
## Offline Voice Control Effortlessly Control With Just

Utilizing an advanced offline voice module boasting high performance, our system enables intelligent voice command without relying on an internet connection. With the capacity to recognize over thousand offline command words, you can enjoy hands-free communication seamlessly.

voice

# Light-sensitive Sleep Aid with Auto-adjusting Brightness

The light-sensitive sensor intelligently recognizes changes in indoor lighting and adjusts the brightness automatically, ensuring a peaceful night's sleep throughout.





 **Hey Google**

**Air conditioner**

**Power on**

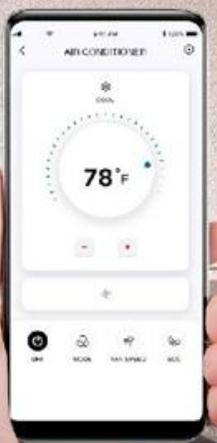
Temperature ◀ 17 °C ▶

Mode ◀ Cool ▶

Fan speed ◀ Mid-high ▶

 **The Air-Con has been turned on**

 **WORKS WITH alexa**



# Stable Operation At 151°F Extreme High Temp.

Air-cooled E-box ensures continuous operate even at 151°F ambient and 100% cooling capacity output at 122°F ambient.

# 151°F

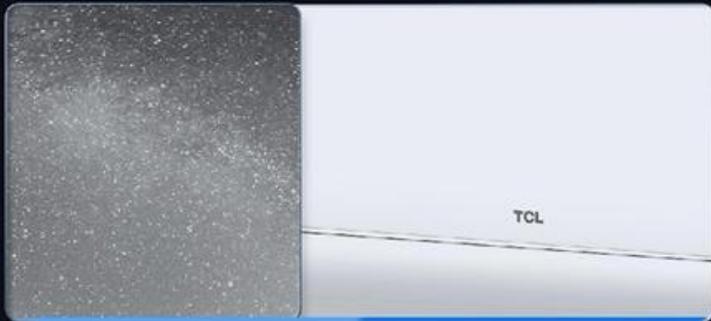


# Stable Heating at -13°F Extreme Low Temp.

The heating belt preheats the compressor upon start-up to get rid of the external coldness and get the compressor ready to start in seconds. And inverter compressor ensures continuous heating capacity even at -13°F ambient.



# Art Design, Tranquil Beauty



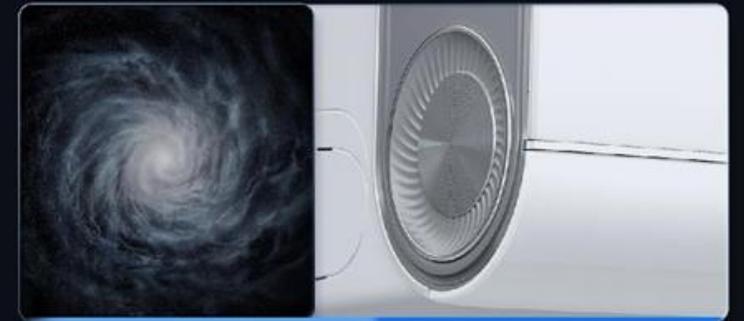
**White Moonlight**

Drawing inspiration from the pristine radiance of moonlight



**Lunar Display Panel**

Lunar Display Panel, Radiant Gleam



**Micro-Hurricane Wheel**

Micro-Hurricane Wheel,  
Circular Aesthetics