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# TCL Residential Air Conditioner 2016 Catalogue



# TCL Corporation

An Emerging Power in China's Wave of Globalization



Founded in 1981, TCL is one of the largest consumer electronics enterprises in China with a global presence.

TCL owns five listed companies:

TCL Corporation (SZ.000100)

TCL Multimedia Technology (01070.HK)

TCL Communication Technology (02618.HK)

TCL Display Technology (00334.HK)

Tonly Electronics (01249.HK)

## Total Revenue

In 2014, TCL took great efforts in its brand, product and marketing. Its sales revenue reached 16.51 Billion USD (101 Billion RMB).

**16.51**  
Billion USD

## Brand Value

TCL is the Most Internationalized Enterprise in China. TCL Brand Value in 2015 is as high as 10.88 Billion USD (71.03 Billion RMB).

**10.88**  
Billion USD



## Global Presence

23 R&D Bases

Employee > 75000

Sales Offices more  
than 80 countries

21 Production Bases

International Brands

# TCL Residential Air Conditioner

2016  
Catalogue

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# TCL Air Conditioner

TCL air-conditioner division is one of the core industries in TCL Corporation, which was established in 1999. It is also one of the leading air conditioner manufacturers in China, producing all kinds of residential air conditioners, commercial air conditioners, portable air conditioners, dehumidifiers and compressors.



Zhongshan 2nd Base

## Strong Industry Ability

TCL owns professional R&D, manufacturing, marketing teams and perfect after-sales service. Currently, it has established 5 Production Bases in Zhongshan, Wuhan and Huizhou. The total production capacity of TCL Air Conditioner has reached 10 Million sets per year.

## Total Sales Volume

Since 2001 when got involved in overseas markets, TCL Air Conditioner has become a well known brand with the most rapid growth in the export sales volume. In 2015, TCL air conditioners was sold to 165 countries and regions in the world.



Zhongshan 1st Base



TCL-De'Longhi JV



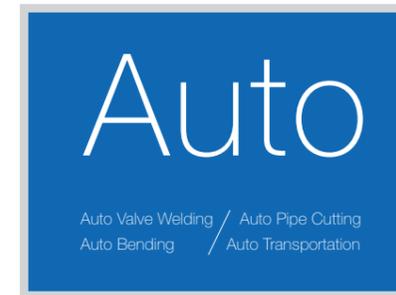
Wuhan Base



TCL-Rechi Compressor JV

# Automation

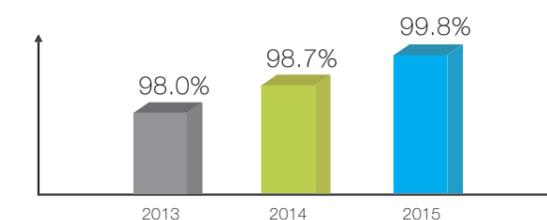
For Higher Efficiency



# Reliable Quality

Continuous QC Improvement

Client Inspection Qualified Rate



Quality Target

Zero Defect

# TCL Wi-Fi Control

You can easily control your air conditioner anywhere with your mobile phone and a Wifi Connection.



# TCL Wi-Fi Control

You can easily control your air conditioner anywhere with your mobile phone and a Wifi Connection.



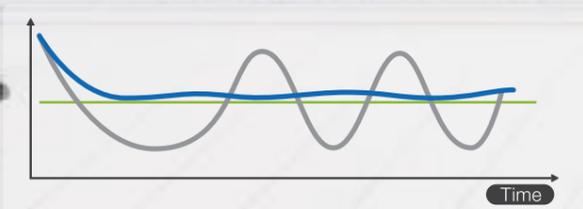
## Fast Cooling

With our advanced technology, TCL AC delivers cool and comfortable experience more quickly than before.



## Precise Temperature Control

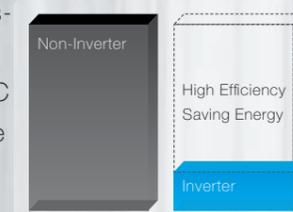
TCL DC inverter AC varies the rotation speed of the compressor, providing a precise method of maintaining the set temperature. The temperature fluctuation is controlled within  $\pm 0.5^{\circ}\text{C}$ .



- Inverter Air Conditioner
- Normal Air Conditioner
- Temperature Setting

## High Efficiency & Saving Energy

TCL DC motor uses magnetic force to operate the compressor. This dramatically reduces energy consumption compared to conventional non-inverter motors. A DC inverter AC automatically slows down and operates at minimum suitable capacity after reaching the set temperature.



## Super Quiet

TCL AC adopts of inverter tech and optimized air duct & cross flow fan, so that consumer can enjoy super quietness (lowest at 18dB(A))

# Full 5D DC Inverter Air Conditioner



DC Inverter Compressor



Outdoor DC motor



Electronic expansion valve



Indoor vane DC motor



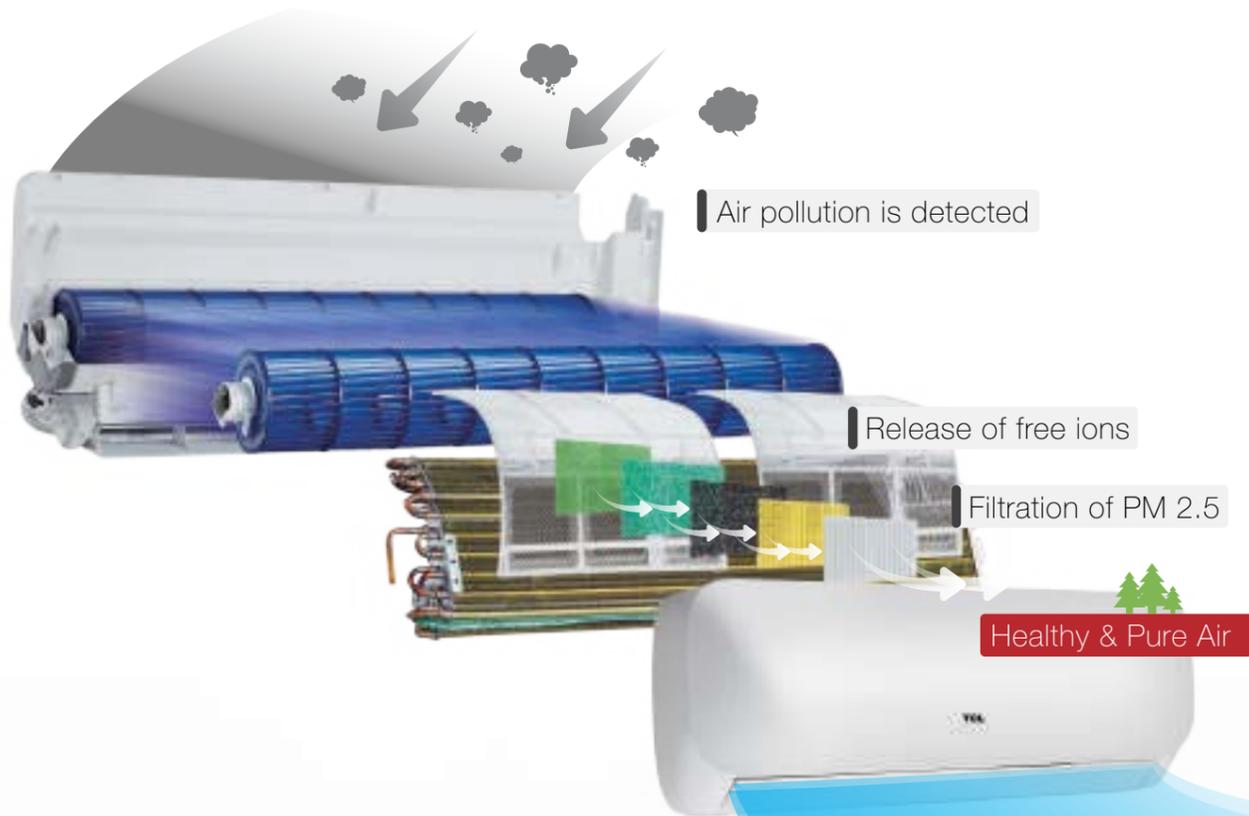
Indoor DC motor

# HEALTHY & PURE AIR



## PM 2.5 Air Purification

With the Air Purification Technology, you can enjoy a living space that is fresher and cleaner.



### 01 Photocatalyst Filter

Oxidizing organic compounds and some inorganic matters.



### 02 Silver ion filter

Containing lots of silver ions in the nano silver filter. Excellent performance in anti-bacteria.



### 03 Active Carbon Filter

Absorbing particles and odors in the air. Cleaning the air and protection of the environment.



### 04 Catechin Filter

Decomposing bacterium, decomposing unpleasant odors.



### 05 Vitamin C Filter

The Filter fills the air with vitamin C, which improves immunity and promotes healthy skin.



### 06 Catalyst Filter

The filter eliminate formaldehyde and other volatile organic compounds as well as harmful gases.



#### 3 IN 1 Filter

- Photocatalyst Filter
- Active Carbon Filter
- Catalyst Filter

#### 3 IN 1 Filter

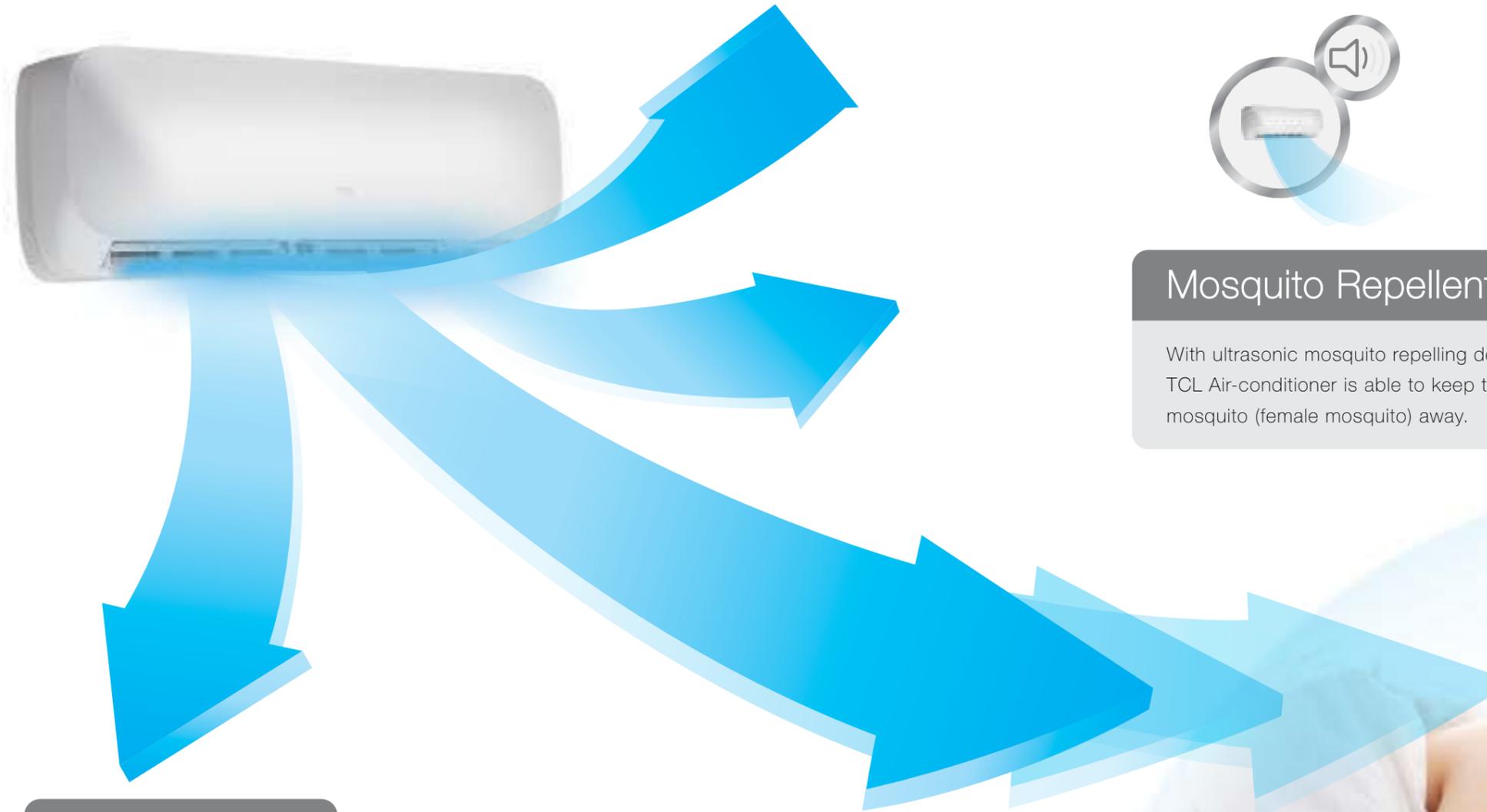
- Catechin Filter
- Silver ion Filter
- Vitamin C Filter

#### 6 IN 1 Filter

- Photocatalyst Filter
- Active Carbon Filter
- Catalyst Filter
- Catechin Filter
- Silver ion Filter
- Vitamin C Filter



# Comfortable Life



**3D Air Flow**

The louver can be adjusted vertically and horizontally, so that it can ensure you enjoy comfort air in every corner of the living space.

**3D Air Flow**

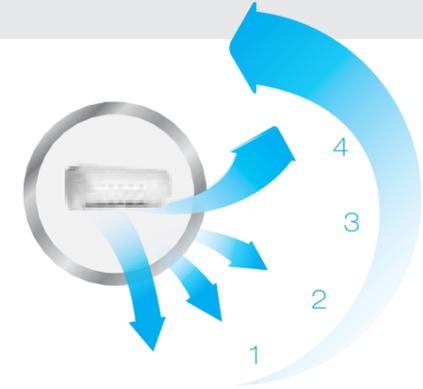
**Mute Mode**

With the optimization of air duct and outdoor unit fan, noise can be reduced to as low as 18dB(A).



**4-Fan Speed**

You can choose desired air flow from low to turbo.



**Mosquito Repellent**

With ultrasonic mosquito repelling device, TCL Air-conditioner is able to keep the biting mosquito (female mosquito) away.





1460 mm Indoor Unit  
The biggest      The most powerful

Powerful Unit

The capacity can reach up to  
**36,000** btu/h



Super Cooling Capacity

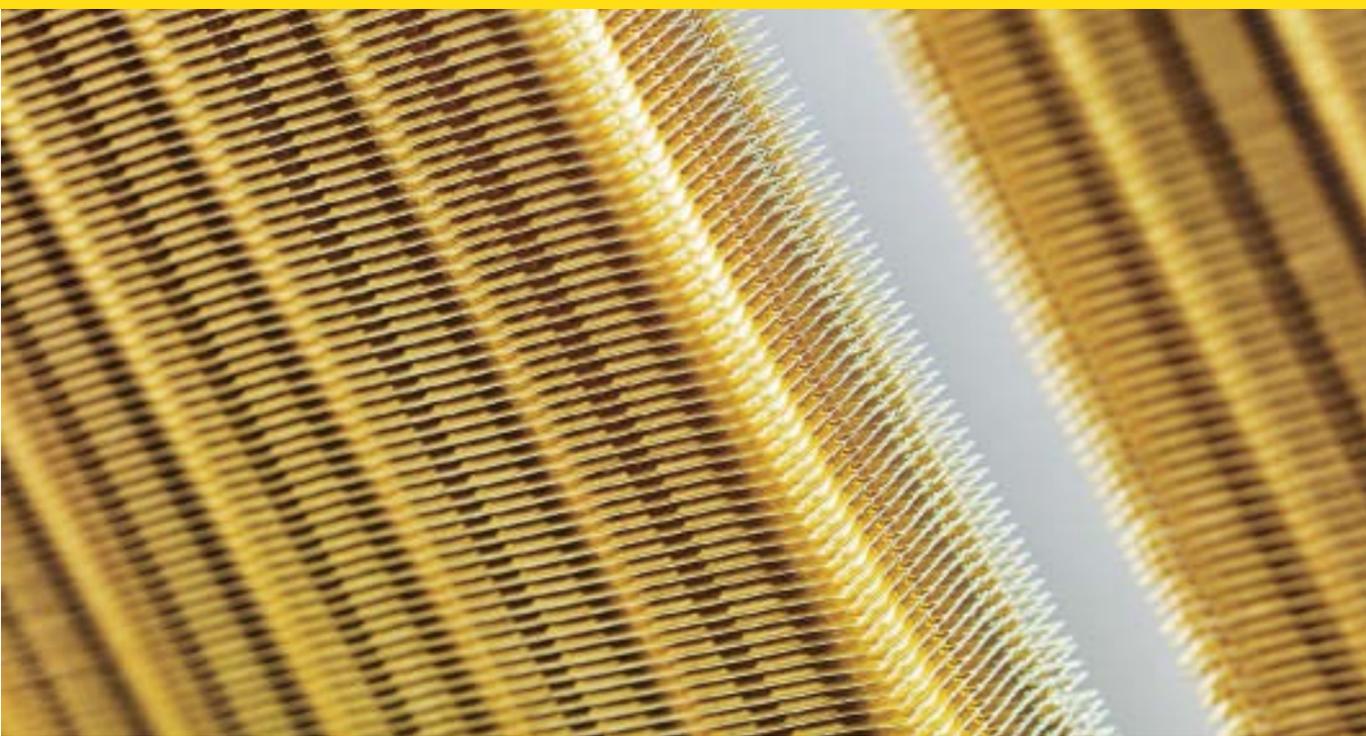


# Strong Wind

With the innovative air supply technology, TCL AC can supply a large volume of airflow and reach all the corners in the room.



**18m** Long Distance Air Supply

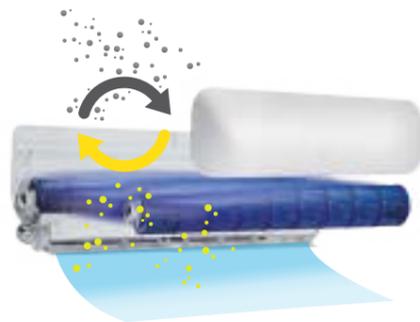


# TitanGold

NanoTiO<sub>2</sub>

## Self-cleaning function of TitanGold

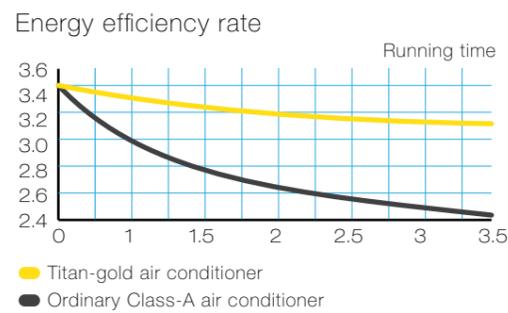
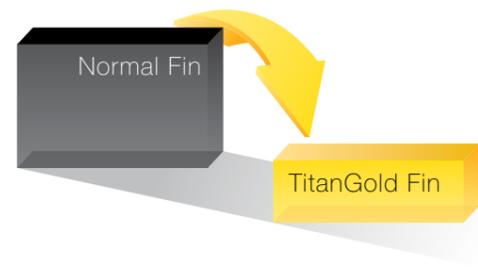
The evaporator used in TCL TitanGold air conditioners can be made of the TitanGold hydrophilic AL foil so that the fast-flowing condensate can bring dusts and dirt away from the evaporator quickly without water and dust as well as dirt remaining on the surface of evaporator. Due to the clean evaporator surface, the indoor environment can be kept clean and healthy.



## 8-Year TitanGold Life, Efficient and Saving Energy

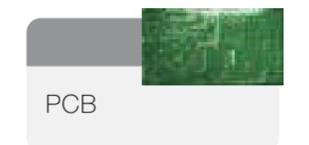
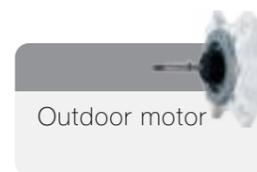
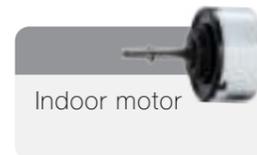
Compared with normal air conditioners, TCL TitanGold air conditioner attenuate more slowly.

### Power Consumption Comparison



# Leading Components

The core components such as compressors are purchased from top brands in the industry, so that we can provide reliable products to customers.



# Energy Saving Optional

TCL

0.1W  
Standby

## 0.1W Standby

The power consumption can be as low as just 0.1W in energy-saving mode.



## DRED

TCL PeakSmart air conditioner, helping you get the reward and saving energy.



## Inner-grooved Copper Tubes

With the high quality inner-grooved copper, the thermal conductivity will be significantly improved 20-30% more than that of smooth tubes, because the surface area of the inner copper wall is increased, which will significantly improve thermal conductivity.



## ECO Mode

The air conditioner unit can achieve rapid cooling and desired temperature by operating at a high frequency and high air supply speed, which can save energy of 30% compared with conventional split air conditioner.



## Sleep Mode

This function enable the air conditioner to automatically increase cooling or decrease heating 1°C per hour for the 1st two hours, then hold steady for the next 5 hours. After that it will be switch off , which maintains both energy saving and comfort during the night.



## Parallel Flow Heat Exchanger

The heat exchange area is increased effectively so that the heat exchange efficiency becomes higher.



## Start at Low Voltage and Run at Wide Voltage Range

The air conditioner can be started at a very low voltage such as 165V and run at a voltage ranging from 165V to 265V to ensure it can be started and used under a circumstance that the voltage is not stable or the voltage is too low.

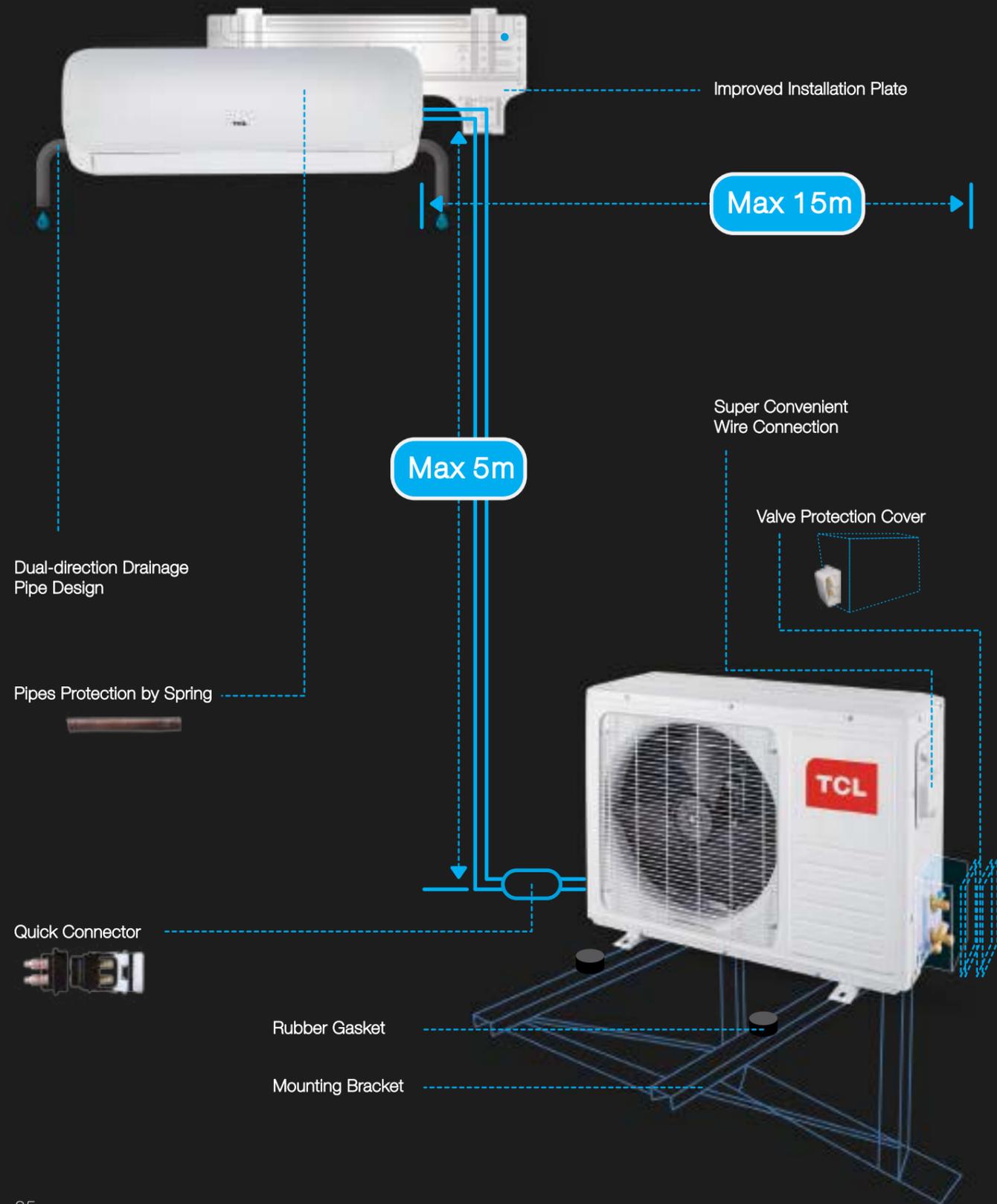


## Bionic Fan

TCL uses bionic fan, which with higher air volume and lower noise.



# Easy Installation Optional



# Safety & Reliability Optional



# Environmental Friendly

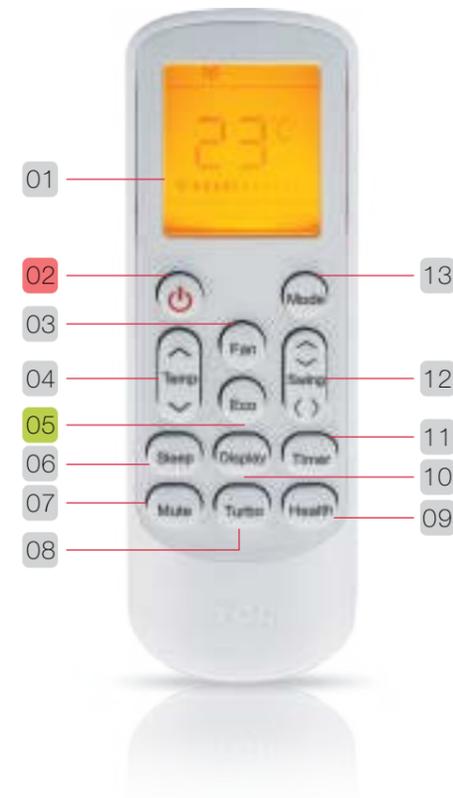
Green Refrigerant of R290 & R32  
TCL patented technologies for R290



R290 is a refrigerant with good heat transmission, higher efficiency, energy saving and environmental protection.

R32 is a kind of non-explosive, nontoxic and low-flammability safe refrigerant, and is a new refrigerant star which is energy-saving, green and does no harm to the ozoneosphere.

# Remote Controller



Remote Controller

01	LED Display Screen
02	ON/OFF
03	Fan Speed Setting
04	Temperature Setting
05	Eco Mode
06	Sleep Mode
07	Mute Mode
08	Turbo
09	Healthy Mode
10	LED Display (ON/OFF)
11	Timer Setting
12	Swing(Horizontal/Vertical)
13	Mode Setting (AUTO/COOL/DRY/FAN/HEAT)



**TCL**

Enjoy The Creative Life  
with TCL Air Conditioner

# EN Series

Split Air Conditioner



# EF Series

Split Air Conditioner



TCL Air Conditioner

TCL Air Conditioner

- Quiet Operation
- Anti-cold Air
- WIFI Control
- Chord Response
- Extra-low noise <math>< 20.0\text{dB}</math>
- Ioniser
- Auto restart
- Wide Voltage Range
- Timer Mode
- Independent Dehumidification
- Auto-protection
- 180° Sine Wave
- $\pm 0.1\text{ }^{\circ}\text{C}$  Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10-hour Automatic Power Off
- Global Power Supply Design (Plug)

- Quiet Operation
- Anti-cold Air
- WIFI Control
- Chord Response
- Extra-low noise <math>< 20.0\text{dB}</math>
- Ioniser
- Auto restart
- Wide Voltage Range
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- 180° Sine Wave
- $\pm 0.1\text{ }^{\circ}\text{C}$  Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10-hour Automatic Power Off
- Global Power Supply Design (Plug)

# EA Series

Split Air Conditioner



# KE Series

Split Air Conditioner



TCL Air Conditioner

TCL Air Conditioner

- Quiet Operation
- Anti-cold Air
- WiFi Control
- Chord Response
- Extra-low noise <20.0dB
- Ioniser
- Auto restart
- Wide Voltage Range
- Timer Mode
- Independent Dehumidification
- Auto-protection
- 180° Sine Wave
- ±0.1°C Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10-hour Automatic Power Off
- Global Power Supply Design (Plug)

- Quiet Operation
- Anti-cold Air
- WiFi Control
- Chord Response
- Extra-low noise <20.0dB
- Ioniser
- Auto restart
- Wide Voltage Range
- Timer Mode
- Independent Dehumidification
- Auto-protection
- 180° Sine Wave
- ±0.1°C Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10-hour Automatic Power Off
- Global Power Supply Design (Plug)

# DN Series

Split Air Conditioner



# DX Series

Split Air Conditioner



TCL Air Conditioner

TCL Air Conditioner

- Quiet Operation
- Anti-cold Air
- WiFi Control
- Chord Response
- Extra-low noise <math><20.0\text{dB}</math>
- Ioniser
- Auto restart
- Wide Voltage Range
- Timer Mode
- Independent Dehumidification
- Auto-protection
- 180° Sine Wave
- ±0.1°C Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10-hour Automatic Power Off
- Global Power Supply Design (Plug)

- Quiet Operation
- Anti-cold Air
- WiFi Control
- Chord Response
- Extra-low noise <math><20.0\text{dB}</math>
- Ioniser
- Auto restart
- Wide Voltage Range
- Timer Mode
- Independent Dehumidification
- Auto-protection
- 180° Sine Wave
- ±0.1°C Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10-hour Automatic Power Off
- Global Power Supply Design (Plug)

# DU Series

Split Air Conditioner



# KC Series

Split Air Conditioner



TCL Air Conditioner

TCL Air Conditioner

- Quiet Operation
- Anti-cold Air
- WiFi Control
- Chord Response
- Extra-low noise <math>< 20.0\text{dB}</math>
- Ioniser
- Auto restart
- Wide Voltage Range
- Timer Mode
- Independent Dehumidification
- Auto-protection
- 180° Sine Wave
- $\pm 0.1\text{ }^{\circ}\text{C}$  Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10-hour Automatic Power Off
- Global Power Supply Design (Plug)

- Quiet Operation
- Anti-cold Air
- WiFi Control
- Chord Response
- Extra-low noise <math>< 20.0\text{dB}</math>
- Ioniser
- Auto restart
- Wide Voltage Range
- Timer Mode
- Independent Dehumidification
- Auto-protection
- 180° Sine Wave
- $\pm 0.1\text{ }^{\circ}\text{C}$  Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10-hour Automatic Power Off
- Global Power Supply Design (Plug)

# LC Series

Split Air Conditioner



# HC Series

Split Air Conditioner



TCL Air Conditioner

TCL Air Conditioner

- Quiet Operation
- Anti-cold Air
- WIFI Control
- Chord Response
- Extra-low noise <20.0dB
- Ioniser
- Auto restart
- Wide Voltage Range
- Timer Mode
- Independent Dehumidification
- Auto-protection
- 180° Sine Wave
- ±0.1°C Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10 hours Automatic Power Off
- Global Power Supply Design (Plug)

- Quiet Operation
- Anti-cold Air
- WIFI Control
- Chord Response
- Extra-low noise <20.0dB
- Ioniser
- Auto restart
- Wide Voltage Range
- Timer Mode
- Independent Dehumidification
- Auto-protection
- 180° Sine Wave
- ±0.1°C Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10 hours Automatic Power Off
- Global Power Supply Design (Plug)

# JC Series

Split Air Conditioner



# KA Series

Split Air Conditioner



TCL Air Conditioner

TCL Air Conditioner

- Quiet Operation
- Anti-cold Air
- WIFI Control
- Chord Response
- Extra-low noise <math>< 20.0\text{dB}</math>
- Ioniser
- Auto restart
- Wide Voltage Range
- Timer Mode
- Independent Dehumidification
- Auto-protection
- 180° Sine Wave
- $\pm 0.1\text{C}$  Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10-hour Automatic Power Off
- Global Power Supply Design (Plug)

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- Chord Response
- Extra-low noise <math>< 20.0\text{dB}</math>
- Ioniser
- Auto restart
- Wide Voltage Range
- Timer Mode
- Independent Dehumidification
- Auto-protection
- 180° Sine Wave
- $\pm 0.1\text{C}$  Precise Temperature Control
- High Efficient Inner-grooved Copper Tube
- Easy Cleaning Filter
- Environment Friendly Refrigerant
- 10-hour Automatic Power Off
- Global Power Supply Design (Plug)

# JA Series

Split Air Conditioner



# HA Series

Split Air Conditioner



TCL Air Conditioner

TCL Air Conditioner

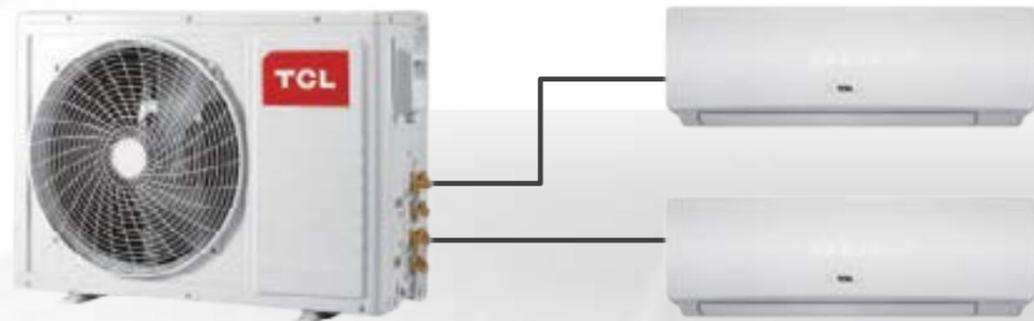
- Quiet Operation
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- Environment Friendly Refrigerant
- 10-hour Automatic Power Off
- Global Power Supply Design (Plug)

# Free Match

Split Air Conditioner

TCL Air Conditioner



Combination of two units

- Capacities available (7,9,12,18)
- Up to 32 types of combination of indoor and outdoor units

TCL Air Conditioner



Combination of four units

- Capacities available (7,9,12,18)
- Up to 24 types of combination of indoor and outdoor units

# FD Series

Floor Standing Air Conditioner



Optional

TCL Air Conditioner



Quiet Operation



Soft-starter kit



Chord Response



Auto-protection



Auto restart



Timer Mode



Ioniser



Strong Cooling & Heating



LED Display



10-hour Automatic Power Off



Easy Cleaning Filter



Global Power Supply Design (Plug)



High Efficient Internal Thread Copper Pipe



Independent Dehumidification

# EL Series

Floor Standing Air Conditioner



TCL Air Conditioner



Quiet Operation



Soft-starter kit



Chord Response



Auto-protection



Auto restart



Timer Mode



Ioniser



Strong Cooling & Heating



LED Display



10-hour Automatic Power Off



Easy Cleaning Filter



Global Power Supply Design (Plug)



High Efficient Internal Thread Copper Pipe



Independent Dehumidification

# C Series

Floor Standing Air Conditioner



TCL Air Conditioner

- Quiet Operation
- Soft-starter kit
- Chord Response
- Auto-protection
- Auto restart
- Timer Mode
- Ioniser
- Strong Cooling & Heating
- LED Display
- 10-hour Automatic Power Off
- Easy Cleaning Filter
- Global Power Supply Design (Plug)
- High Efficient Internal Thread Copper Pipe
- Independent Dehumidification

# CJ Series

Floor Standing Air Conditioner



TCL Air Conditioner

- Quiet Operation
- Soft-starter kit
- Chord Response
- Auto-protection
- Auto restart
- Timer Mode
- Ioniser
- Strong Cooling & Heating
- LED Display
- 10-hour Automatic Power Off
- Easy Cleaning Filter
- Global Power Supply Design (Plug)
- High Efficient Internal Thread Copper Pipe
- Independent Dehumidification

# I Series

Window Type Air Conditioner



# H Series

Window Type Air Conditioner



Easy Cleaning Filter



Strong Cooling



High Efficient Inner-grooved Copper Tube



Rust Free



Global Power Supply Design (Plug)



Easy Cleaning Filter



Strong Cooling



High Efficient Inner-grooved Copper Tube



Rust Free



Global Power Supply Design (Plug)

# KA Series

Portable Air conditioner



# E Series

Portable Air conditioner



TCL Air Conditioner

TCL Air Conditioner



4 in 1



24-hour timer



Water Auto-evaporated



Sleep Mode



Smart Function



Touch Control



Direct-Wash Filter



Easy Window Wall Connection



No Water Drainage Needed



4-direction Air Swing



Silver Ion filter (Optional)



Global Power Supply Design (Plug)



4 in 1



24-hour timer



Water Auto-evaporated



Sleep Mode



Smart Function



Touch Control



Direct-Wash Filter



Easy Window Wall Connection



No Water Drainage Needed



4-direction Air Swing



Silver Ion filter (Optional)



Global Power Supply Design (Plug)

# EN Series

Portable Air conditioner



# DEA Series

Dehumidifier



4 in 1



24-hour timer



Water Auto-evaporated



Sleep Mode



Smart Function



Touch Control



Direct-Wash Filter



Easy Window Wall Connection



No Water Drainage Needed



4-direction Air Swing



Silver Ion filter (Optional)



Global Power Supply Design (Plug)

# DER Series

Dehumidifier



# DEX Series

Dehumidifier

