

TCL TAC-22CSD/EV3GL

TCL 2.0 Ton 3 Star Ultra-Inverter Split AC (TAC-22CSD/EV3GL) User Manual

Model: TAC-22CSD/EV3GL

1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation, installation, and maintenance of your TCL 2.0 Ton 3 Star Ultra-Inverter Split AC, model TAC-22CSD/EV3GL. Please read this manual thoroughly before using the air conditioner and retain it for future reference. Proper use and maintenance will ensure optimal performance and longevity of your unit.

The TCL Ultra-Inverter Split AC is designed to provide rapid and energy-efficient cooling, featuring a 100% copper condenser, Turbo Cooling, Smart Sleep Mode, and silent operation for a comfortable indoor environment.

2. SAFETY INFORMATION

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring instructions may cause harm or damage.

- **Professional Installation:** Installation, maintenance, and repair of this unit must be performed by qualified service personnel. Do not attempt to install or repair the unit yourself.
- **Power Supply:** Ensure the power supply matches the rating label. Do not use extension cords or multi-outlet adapters. Always connect to a properly grounded outlet.
- **Electrical Safety:** Do not operate the AC with wet hands. Do not pull the power cord to disconnect. Turn off the power supply before cleaning or maintenance.
- **Ventilation:** Ensure proper ventilation around the outdoor unit. Do not block the air inlet or outlet of either unit.
- **Children and Pets:** Keep children and pets away from the unit. Do not allow them to play with the air conditioner or its remote control.
- **Flammable Materials:** Do not place flammable materials or spray aerosols near the air conditioner.
- **Water Leakage:** If water leaks from the unit, turn off the power supply immediately and contact a qualified technician.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are present and undamaged:

- 1 x Indoor Unit
- 1 x Outdoor Unit
- 1 x Remote Control
- 1 x Installation Kit
- 1 x User Manual (this document)

If any items are missing or damaged, please contact your retailer or TCL customer support immediately.

4. PRODUCT OVERVIEW

4.1 Key Features

- **AI Ultra-Inverter Technology:** For precise temperature control and energy efficiency.
- **Rapid Cooling:** Achieves 18°C within 30 seconds using a high-frequency inverter compressor.
- **Smart Sleep Mode:** Automatically adjusts temperature and maintains quiet operation for optimal sleep.
- **100% Copper Condenser:** Ensures durability, improved heat transfer, and reliable performance.
- **Turbo Cooling:** Provides instant cooling for quick comfort.
- **Silent Operation:** Noise level as low as 48 dB(A) for a peaceful environment.
- **High Airflow:** Powerful 1300 m³/h airflow for uniform cooling across the room.
- **Energy Saving:** Advanced inverter technology optimizes power consumption.

4.2 Unit Components

Familiarize yourself with the main components of your split air conditioner.



Figure 4.2.1: Front view of the TCL indoor unit. This image shows the sleek white design with the TCL logo and 'Inverter' branding.



Figure 4.2.2: Angled left view of the TCL indoor unit, highlighting its slim profile and air outlet louvers.



Figure 4.2.3: Angled right view of the TCL indoor unit, showing the side profile and part of the air intake grille.



Figure 4.2.4: The outdoor unit of the TCL split AC, showing the fan grille and refrigerant connections.



Figure 4.2.5: The remote control for the TCL AC, featuring buttons for various modes, fan speed, temperature adjustment, and special functions like Sleep and Turbo.

5. SETUP & INSTALLATION

Important: Installation of this air conditioner requires specialized skills and tools. For safety and optimal performance, it is strongly recommended that installation be performed by a qualified and certified HVAC technician. Improper installation can lead to electric shock, fire, water leakage, and damage to the unit.

5.1 Choosing an Installation Location

- **Indoor Unit:** Select a location that allows for even air distribution throughout the room, away from direct sunlight or heat sources. Ensure there is enough space for maintenance and filter cleaning.
- **Outdoor Unit:** Choose a location with good ventilation, away from obstacles that might block airflow. It should be on a stable surface and ideally not exposed to direct rain or strong winds.

5.2 Installation Steps (Overview for Technician)

1. Mount the indoor unit on the wall, ensuring it is level.
2. Install the outdoor unit on a stable, elevated platform.
3. Connect the refrigerant piping between the indoor and outdoor units.
4. Perform vacuuming and refrigerant charging.
5. Connect the electrical wiring according to the wiring diagram provided in the full installation manual.
6. Connect the drainage pipe for condensate water.
7. Test the unit for proper operation and check for leaks.

Refer to the detailed installation manual provided with the unit for comprehensive instructions, diagrams, and safety precautions.

6. OPERATING INSTRUCTIONS

Your TCL AC is operated primarily using the wireless remote control. Ensure batteries are correctly inserted.

6.1 Remote Control Functions



Figure 6.1.1: The remote control for the TCL AC. Key buttons include MODE, FAN, TEMP UP/DOWN, TURBO, SLEEP, and TIMER.

- **POWER Button:** Turns the unit ON or OFF.
- **MODE Button:** Cycles through operating modes: Auto, Cool, Dry, Fan, Heat (if applicable).
- **TEMP ▲/▼ Buttons:** Adjusts the desired temperature setting.
- **FAN Button:** Selects fan speed: Auto, Low, Medium, High.
- **TURBO Button:** Activates rapid cooling for quick temperature reduction.
- **SLEEP Button:** Engages Smart Sleep Mode for quiet, energy-efficient night operation.
- **TIMER Button:** Sets the ON/OFF timer for scheduled operation.
- **DISPLAY Button:** Toggles the indoor unit's display ON/OFF.
- **SWING Button:** Adjusts the vertical airflow direction.

6.2 Operating Modes

- **Cool Mode:** Provides cooling. Set desired temperature and fan speed.

- **Dry Mode:** Reduces humidity in the room. Fan speed is automatically controlled.
- **Fan Mode:** Circulates air without cooling or heating. Fan speed can be adjusted.
- **Auto Mode:** The unit automatically selects the operating mode (Cool, Dry, Fan) based on the room temperature and your set temperature.

7. MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your air conditioner. Always turn off the power supply to the unit before performing any maintenance.

7.1 Air Filter Cleaning

- Open the front panel of the indoor unit.
- Remove the air filters.
- Clean the filters using a vacuum cleaner or wash them with lukewarm water (below 40°C).
- Allow filters to dry completely in a shaded area before reinstalling.
- Clean filters every two weeks or more frequently if the unit is used often or in dusty environments.

7.2 Indoor Unit Surface Cleaning

- Wipe the indoor unit's surface with a soft, dry cloth.
- For stubborn dirt, use a damp cloth with a mild detergent, then wipe dry.
- Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the plastic surfaces.

7.3 Outdoor Unit Maintenance

- Periodically check the outdoor unit for any obstructions (leaves, debris) around the fan and coils. Clear them carefully.
- Ensure the drainage hose is not blocked and water can flow freely.
- For thorough cleaning of the outdoor unit coils, it is recommended to contact a professional service technician annually.

8. TROUBLESHOOTING

Before contacting service, please check the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not start	No power supply; Batteries in remote are dead; Circuit breaker tripped.	Check power connection; Replace remote batteries; Reset circuit breaker.
Insufficient cooling	Dirty air filters; Blocked outdoor unit; Doors/windows open; Temperature setting too high.	Clean air filters; Clear obstructions from outdoor unit; Close doors/windows; Lower temperature setting.
Noisy operation	Loose parts; Unit not level; Fan obstruction.	Contact service for inspection; Ensure unit is level; Check for and remove obstructions.

Problem	Possible Cause	Solution
Water leakage from indoor unit	Blocked drainage pipe; Improper installation.	Check and clear drainage pipe; Contact service for re-installation check.
Remote control not working	Dead batteries; Obstruction between remote and unit; Remote out of range.	Replace batteries; Remove obstructions; Operate within effective range.

If the problem persists after trying these solutions, please contact TCL customer support or a qualified service technician.

9. SPECIFICATIONS

Technical specifications for the TCL 2.0 Ton 3 Star Ultra-Inverter Split AC (TAC-22CSD/EV3GL).

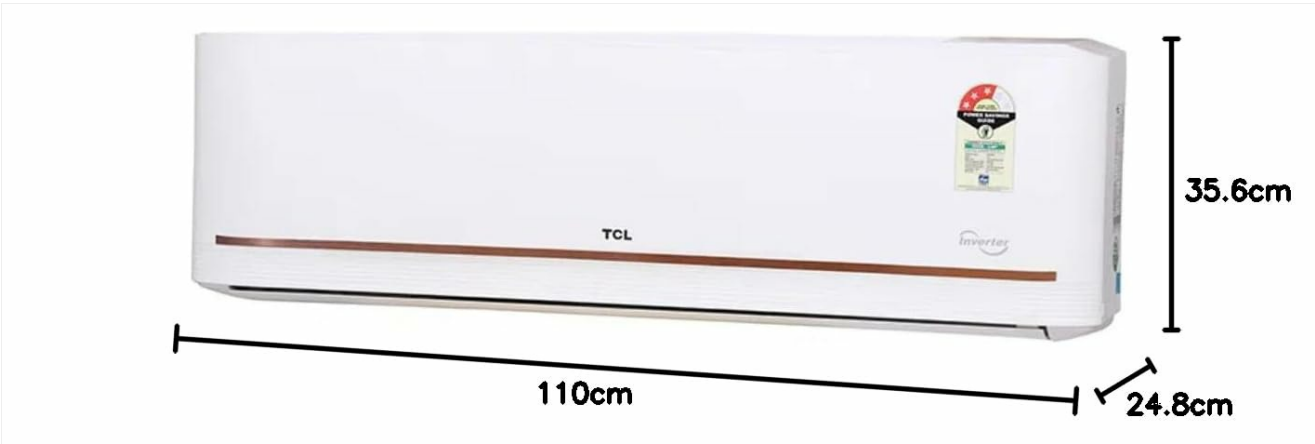


Figure 9.1: Dimensions of the indoor unit: 110 cm (Width) x 35.6 cm (Height) x 24.8 cm (Depth).

Feature	Detail
Brand	TCL
Model Number	TAC-22CSD/EV3GL
Capacity	2.0 Tons
BEE Star Rating	3 Star
Cooling Power	6700 Kilowatts
Annual Energy Consumption	1300 Kilowatt Hours Per Year
Seasonal Energy Efficiency Ratio (SEER)	3.9
Refrigerant	R32
Compressor Type	GMCC Rotary Compressor
Condenser Material	100% Copper
Noise Level (Indoor Unit)	As low as 48 Decibels

Feature	Detail
Airflow Volume	1300 m³/h
Indoor Unit Dimensions (D x W x H)	24.8D x 110W x 35.6H Centimeters
Item Weight	47 Kilograms (Total, likely includes both units)
Voltage	230 Volts
Wattage	6350 Watts
Control Method	Remote Control
Recommended Room Type	Living Room, Bedroom, Office
Recommended Floor Area	Up to 200 Square Feet

10. WARRANTY & SUPPORT

10.1 Warranty Information

Your TCL 2.0 Ton 3 Star Ultra-Inverter Split AC (TAC-22CSD/EV3GL) comes with the following manufacturer's warranty:

- **1 Year Warranty** on the entire product.
- **5 Years Warranty** on the Compressor.

Please retain your purchase receipt as proof of purchase for warranty claims. The warranty covers manufacturing defects and does not cover damage caused by improper installation, misuse, neglect, or unauthorized repairs.

10.2 Customer Support

For technical assistance, service requests, or warranty claims, please contact TCL customer support:

- **Manufacturer:** TCL India
- **Email:** packer@tcl.com
- Please visit the official TCL India website for the latest contact information and service center details.