TCL TAC 12CS

TCL TAC 12CS Air Conditioner User Manual

Model: TAC 12CS | 1.5 HP Cooling Only

Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your TCL TAC 12CS 1.5 HP Cooling Only Air Conditioner. Please read this manual thoroughly before using the appliance and keep it for future reference. Proper use and maintenance will ensure optimal performance and longevity of your air conditioner.



Figure 1: Overview of the TCL TAC 12CS Air Conditioner system, showing both the indoor unit, outdoor unit, and the remote control.

Setup Guide

1. Unpacking and Inspection

Carefully unpack all components and inspect them for any shipping damage. If any damage is found, contact your dealer immediately. Ensure all parts listed in the packing list are present.

2. Component Identification



Figure 2: Front view of the TCL TAC 12CS indoor unit, highlighting the display and air outlet.

- **Indoor Unit:** Designed for wall mounting, it houses the evaporator coil, fan, and control panel.
- **Outdoor Unit:** Contains the compressor, condenser coil, and outdoor fan.
- **Remote Control:** Used to operate the air conditioner from a distance.
- **Installation Kit:** Includes pipes, cables, and mounting accessories (may vary by package).

3. Installation

Installation of this air conditioner requires specialized knowledge and tools. It is highly recommended that installation be performed by a qualified and certified technician to ensure proper functioning, safety, and warranty validity. Incorrect installation can lead to water leakage, electric shock, fire, or equipment failure.

Key Installation Considerations:

- **Location:** Choose a location for both indoor and outdoor units that allows for proper airflow, drainage, and easy access for maintenance. Avoid direct sunlight or heat sources.
- **Electrical Connection:** Ensure the power supply meets the specifications (220-240V, 50Hz) and a dedicated circuit breaker is used.
- **Refrigerant Piping:** The liquid line is 1/4 inch and the gas line is 1/2 inch. Ensure proper insulation and leak-free connections.
- **Drainage:** Ensure proper drainage for condensate water from the indoor unit.

Operating Instructions

Your TCL TAC 12CS air conditioner is operated primarily via the wireless remote control. Familiarize yourself with the remote's buttons and display.

1. Remote Control Functions

The remote control allows you to adjust various settings. Insert two AAA batteries (not included) into the remote control, ensuring correct polarity.

- **ON/OFF Button:** Powers the unit on or off.
- **MODE Button:** Cycles through available operating modes (Cool, Fan, Dry).

- **TEMP ▲/▼ Buttons:** Adjusts the desired temperature setting.
- **FAN Button:** Selects fan speed (Auto, Low, Medium, High).
- **SWING Button:** Controls the vertical louver movement for air direction.
- **TIMER Button:** Sets the auto-on or auto-off timer.
- **SLEEP Button:** Activates sleep mode for quiet operation and energy saving during sleep.

2. Operating Modes

- **Cool Mode:** Provides cooling. Set your desired temperature using the TEMP buttons. The unit will cool until the room reaches the set temperature.
- **Fan Mode:** Circulates air without cooling. Use this mode when cooling is not required, only air circulation.
- **Dry Mode:** Reduces humidity in the room. The unit operates at a low fan speed to dehumidify the air.

3. Temperature and Fan Speed Adjustment

In Cool mode, use the TEMP ▲/▼ buttons to set the desired room temperature. The recommended comfortable temperature range is typically between 22°C and 26°C (72°F and 79°F). Use the FAN button to select the appropriate fan speed for your comfort level. Higher fan speeds provide faster cooling but may be noisier.

Maintenance

Regular maintenance is crucial for the efficient and long-lasting operation of your air conditioner. Always turn off the power supply to the unit before performing any maintenance.

1. Air Filter Cleaning

The air filters in the indoor unit should be cleaned every two weeks, or more frequently depending on usage and air quality. Clogged filters reduce cooling efficiency and airflow.

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Clean the filters using a vacuum cleaner or wash them with lukewarm water (below 40°C).
4. Allow the filters to dry completely in a shaded area before reinstalling. Do not expose to direct sunlight.
5. Reinstall the filters and close the front panel.

2. Outdoor Unit Cleaning

The outdoor unit should be cleaned periodically to remove dust, leaves, and debris that can accumulate on the coils and fan blades. This should ideally be done by a professional technician.

- Ensure the power supply to the outdoor unit is completely disconnected.
- Carefully remove any visible debris from the coil fins and fan area.
- Do not bend the coil fins. If they are bent, gently straighten them with a fin comb.

3. Seasonal Maintenance

Before the cooling season, check the following:

- Ensure there are no obstructions around the outdoor unit.
- Check for any unusual noises or odors during operation.

- Verify that the condensate drain line is clear and not blocked.

Troubleshooting

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

Problem	Possible Cause	Solution
Unit does not start	No power supply; Batteries in remote control are dead; Circuit breaker tripped.	Check power connection; Replace remote control batteries; Reset circuit breaker.
Insufficient cooling	Air filter is dirty; Temperature setting is too high; Doors/windows are open; Outdoor unit is blocked.	Clean air filter; Lower temperature setting; Close doors/windows; Clear obstructions from outdoor unit.
Strange noise during operation	Loose parts; Fan blade obstruction; Refrigerant flow noise (normal).	Check for loose parts; Remove obstruction; If noise persists and is abnormal, contact service.
Water leakage from indoor unit	Drain hose is clogged or bent; Unit is not level.	Clear drain hose; Ensure unit is installed level. Contact technician if issue persists.

If the problem persists after attempting these solutions, please contact a qualified service technician.

Technical Specifications

Feature	Specification
Brand	TCL
Model	TAC 12CS
Type	Split Air Conditioner, Cooling Only
Horsepower	1.5 HP
Cooling Capacity	12000 BTU/hour
Power Consumption	1240 Watt
Input Power	5.10 Ampere
Cooling Energy Efficiency Ratio (EER)	10.86 BTU/Watt
Indoor Unit Sound Pressure Level (L/M/H)	31/35/38 dB(A)
Indoor Unit Net Dimensions (WxDxH)	770 x 180 x 240 mm (77 x 18 x 24 cm)
Indoor Unit Net Weight	8 kg
Refrigerant Type	R22
Outdoor Unit Compressor Type	Rotary

Feature	Specification
Outdoor Unit Sound Pressure Level	53 dB(A)
Outdoor Unit Net Dimensions (WxDxH)	760 x 256 x 552 mm
Pipe Diameters (Liquid/Gas)	1/4 inch / 1/2 inch
Power Supply	220-240 Volt, 50Hz

Warranty and Support

For warranty information, please refer to the warranty card included with your product or contact your local TCL authorized dealer or service center. Keep your purchase receipt as proof of purchase for warranty claims.
For technical support, spare parts, or professional service, please contact TCL customer service or an authorized service provider in your region. Contact details can typically be found on the manufacturer's website or in your product documentation.

Official Product Videos

No official product videos from the seller were available in the provided data for this model. Please check the manufacturer's official website or authorized channels for any available video guides or demonstrations.

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