Voltas 155 CYA

Voltas 1.2 Ton 5 Star Split AC Model 155 CYA User Manual

Model: 155 CYA

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1. Introduction

Thank you for choosing the Voltas 1.2 Ton 5 Star Split AC, Model 155 CYA. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your air conditioning unit. Please read this manual thoroughly before using the appliance and retain it for future reference.
This Voltas air conditioner is designed to provide optimal cooling performance with energy efficiency, featuring a 1.2 ton capacity and a 5-star energy rating. It includes advanced features such as an anti-dust filter and nano silver filter for improved air quality, along with convenience features like auto restart and self-diagnosis.

2. Important Safety Instructions

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury to persons.

- Ensure the power supply matches the rating label on the unit.
- Do not operate the unit with wet hands.
- Do not insert objects into the air outlet.
- Keep children away from the unit.
- Turn off the power supply before cleaning or servicing.
- Installation must be performed by qualified personnel.
- Do not attempt to repair the unit yourself. Contact authorized service personnel.

3. Product Components

The Voltas 1.2 Ton 5 Star Split AC system consists of an indoor unit, an outdoor unit, and a remote control. The main unit refers to the indoor unit.



Figure 1: Indoor Unit of Voltas 1.2 Ton 5 Star Split AC. This image shows the front panel of the indoor unit, typically mounted on a wall, where air is drawn in and cooled air is discharged.

Included Components:

- 1 Main unit (Indoor Unit)
- Warranty card
- Remote Control (Controller Type: Remote Control)

Note: The outdoor unit, installation kit, and connecting pipes are typically supplied separately or as part of the installation service.

4. Setup and Installation

The Voltas 1.2 Ton 5 Star Split AC requires professional installation. Improper installation can lead to electric shock, fire, water leakage, and other hazards. Please ensure that installation is carried out by qualified and authorized service personnel.

4.1 Pre-Installation Checks

- **Location Selection:** Choose a location for the indoor unit that allows for even air distribution and is away from direct sunlight or heat sources. The outdoor unit should be placed in a well-ventilated area, away from obstacles.
- **Power Supply:** Ensure the electrical circuit can handle the AC's power requirements (230 Volts, 3900 Watts). A dedicated circuit is recommended.
- **Drainage:** Plan for proper drainage of condensate water from the indoor unit.

4.2 Installation Process (Overview for User)

1. **Indoor Unit Mounting:** Securely mount the indoor unit on a wall, ensuring it is level.

2. **Outdoor Unit Placement:** Position the outdoor unit on a stable, level surface, ensuring adequate clearance for airflow.
3. **Refrigerant Piping:** Connect the copper refrigerant pipes between the indoor and outdoor units. Ensure proper insulation and leak testing.
4. **Electrical Wiring:** Connect the power supply and communication wiring according to the wiring diagram provided with the unit.
5. **Drainage Pipe Connection:** Connect the condensate drain pipe, ensuring a downward slope for effective water removal.
6. **Vacuuming and Refrigerant Charging:** Evacuate the system to remove air and moisture, then charge with the correct amount of refrigerant if necessary.
7. **Test Run:** Perform a test run to verify proper operation, cooling performance, and check for any abnormalities.

For detailed installation instructions, refer to the separate installation manual provided to the authorized service technician.

5. Operating Instructions

Your Voltas AC is controlled via a wireless remote control. Familiarize yourself with the remote's functions for optimal use.

5.1 Remote Control Functions

- **POWER Button:** Turns the unit ON or OFF.
- **MODE Button:** Cycles through operating modes: Cool, Fan, Dry, Auto. (Operating Mode: Cooling is the primary function).
- **TEMP ▲/▼ Buttons:** Adjusts the desired temperature.
- **FAN Speed Button:** Selects fan speed (Auto, Low, Medium, High).
- **SWING Button:** Controls the vertical louver movement for air direction.
- **SLEEP Button:** Activates Sleep Mode for comfortable night-time operation and energy saving.
- **TURBO Button:** Activates Turbo Mode for rapid cooling.
- **TIMER Button:** Sets the ON/OFF timer.
- **DISPLAY Button:** Toggles the front panel display ON/OFF.

5.2 Basic Operation

1. **Turn On:** Press the POWER button on the remote control.
2. **Select Mode:** Press the MODE button until "Cool" mode is selected.
3. **Set Temperature:** Use the TEMP ▲/▼ buttons to set your desired room temperature. A comfortable range is typically 24°C to 26°C.
4. **Adjust Fan Speed:** Press the FAN button to select your preferred fan speed.
5. **Air Direction:** Use the SWING button to adjust the airflow direction.

5.3 Special Features

- **Anti Dust Filter & Nano Silver Filter:** These filters help in removing dust particles and inhibiting bacterial growth, contributing to cleaner air.
- **Auto Restart:** In case of a power outage, the unit will automatically restart with the previous settings once power is restored.
- **Self Diagnosis:** The unit can detect certain malfunctions and display error codes on the indoor unit's display, aiding in troubleshooting.

6. Maintenance

Regular maintenance ensures efficient operation and extends the lifespan of your Voltas AC. Always turn off the power supply before performing any maintenance.

6.1 Cleaning the Air Filter

1. Open the front panel of the indoor unit.
2. Gently remove the air filters.
3. Clean the filters using a vacuum cleaner or wash them with lukewarm water.
4. Allow the filters to dry completely in a shaded area before reinstalling.
5. Reinstall the filters and close the front panel.

Frequency: *Clean air filters every two weeks or more frequently if the unit is used in a dusty environment.*

6.2 Cleaning the Indoor Unit

- 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 hot water.

6.3 Outdoor Unit Maintenance

The outdoor unit should be inspected and cleaned periodically by a qualified technician. Ensure that the outdoor unit's coils are free from dust, leaves, and other debris to maintain optimal performance.

6.4 Seasonal Maintenance

- **Before Summer:** Have a professional technician check the refrigerant levels, electrical connections, and overall system performance.
- **After Summer:** Clean the unit thoroughly and ensure it is ready for storage or minimal use during colder months.

7. Troubleshooting

Before contacting customer support, please refer to the following common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not start	No power supply; Remote control batteries dead; Timer function active.	Check power connection and circuit breaker; Replace remote batteries; Cancel timer setting.
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.
Water leakage from indoor unit	Clogged drain pipe; Improper installation.	Clear drain pipe obstruction; Contact service technician for inspection.
Unusual noise	Loose parts; Obstruction in fan; Unit not level.	Check for loose parts; Remove obstructions; Ensure unit is level. If noise persists, contact service.
Error code displayed	System malfunction detected by self-diagnosis.	Note down the error code and contact Voltas customer support for assistance.

Problem	Possible Cause	Solution

If the problem persists after attempting these solutions, please contact Voltas customer support. Do not attempt to repair the unit yourself.

8. Product Specifications

Feature	Detail
Brand	Voltas
Model Name	1.2 T 155 CYA
Capacity	1.2 tons
Energy Rating	5 Star (BEE Star Rating)
Cooling Power	3200 Watts
Wattage	3900 Watts
Annual Energy Consumption	100 Kilowatt Hours
Noise Level	43 Decibels
Special Features	Anti Bacterial Filter, Anti Dust Filter, Nano Silver Filter, Auto Restart, Self Diagnosis, Sleep Timer, Turbo Mode, Front Panel Display
Colour	White
Core Material	Copper
Voltage	230 Volts
Installation Type	Split System
Compressor Type	Rotary Scroll
Controller Type	Remote Control
Operating Mode	Cooling
Floor Area Coverage	120 Square Feet
Item Weight	42500 Grams

9. Warranty and Support

9.1 Warranty Information

Your Voltas 1.2 Ton 5 Star Split AC Model 155 CYA comes with a limited warranty:

- **Product Warranty:** 1 year on the product.

- **Compressor Warranty:** 5 years on the compressor.

Please retain your purchase receipt and warranty card for any warranty claims. The warranty covers manufacturing defects under normal use conditions. It does not cover damage due to improper installation, misuse, neglect, or unauthorized repairs.

9.2 Customer Support

For installation assistance, service requests, or any queries regarding your Voltas AC, please contact Voltas customer support:

- **Toll-Free Number:** 1800-3000-9027
- **Online Support:** Visit the official Voltas website for service requests and FAQs.

When contacting support, please have your model number (155 CYA) and purchase details ready.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question