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Model: 125V Vectra CAW

1. PRODUCT OVERVIEW

The Voltas 125V Vectra CAW 1 Ton 5 Star Inverter Split AC is designed to provide efficient and comfortable cooling for small-sized rooms. Featuring a variable speed inverter compressor, 4-in-1 adjustable cooling modes, and a 100% copper condenser, this unit ensures optimal performance and durability. It is equipped with advanced features like an anti-dust filter with anti-microbial coating, high ambient cooling capability, and stabilizer-free operation for enhanced user experience and energy savings.

2. KEY FEATURES

- **Inverter Compressor:** Variable speed compressor adjusts power based on heat load, providing consistent and energy-efficient cooling.
- **4-in-1 Adjustable Mode:** Offers four cooling modes to suit different cooling needs and room occupancy, adjustable via remote control.
- **High Ambient Cooling:** Capable of cooling effectively even at extreme temperatures up to 52°C.
- **5 Star Energy Rating:** Best-in-class energy efficiency with an ISEER value of 5 and an annual energy consumption of 511.13 kWh/year (as per 2025 BEE guidelines).
- **100% Copper Condenser:** Ensures superior heat transfer, resists corrosion, and minimizes maintenance.
- **Anti-Dust Filter with Anti-Microbial Coating:** Provides clean and healthy air by filtering dust and inhibiting microbial growth.
- **Anti-Corrosive Coating:** Protects internal components from rust and corrosion, extending the unit's lifespan.
- **Anti-Freeze Thermostat:** Prevents ice formation on the evaporator coil, ensuring continuous and efficient operation.
- **Hidden LED Display:** A sleek, integrated display that blends seamlessly with your home decor.
- **Stabilizer-Free Operation:** Designed to operate within a wide voltage range (110V-285V) without the need for an external stabilizer.
- **Sleep Mode:** Adjusts temperature for comfortable and restful sleep.

- **Turbo Cooling:** Provides rapid cooling to quickly bring down room temperature.
- **2-Way Air Swing:** Ensures uniform cooling distribution throughout the room.
- **Memory Restart:** Automatically restarts with previous settings after a power cut.
- **Self-Diagnosis:** Identifies and displays error codes for easier troubleshooting.
- **Refrigerant Gas:** Uses R32, an environmental-friendly refrigerant with no ozone depletion potential.

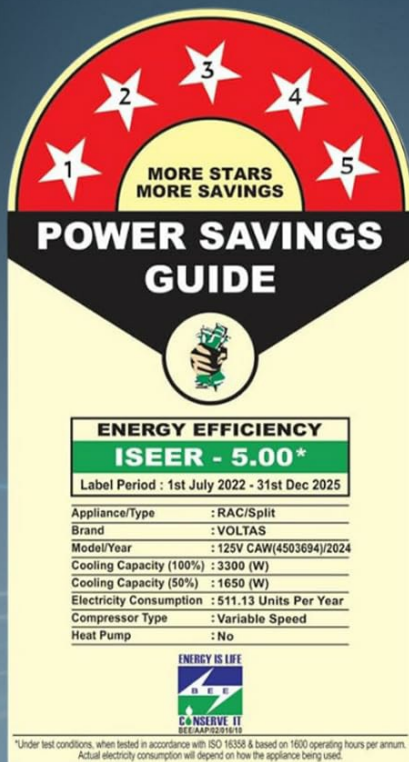
3. PACKAGE CONTENTS AND SETUP

Before installation, ensure all components are present in the box. The package includes:

- 1 Indoor Unit
- 1 Outdoor Unit
- 1 Inter Connecting Copper Pipe (3 meters length)
- 1 Remote Control
- 2 AAA Batteries for Remote
- 6 Screws and 6 Nylon Sleeves for mounting
- 1 Cable
- Installation kit (including 3m Copper Wire)
- 1 Owner's Manual
- 4 Outdoor Vibration Pads
- 1 Indoor Mounting Plate

For detailed installation instructions, please refer to the included Owner's Manual or contact authorized service personnel. Proper installation is crucial for optimal performance and warranty validity.

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5-Star Cooling

Image: Dimensions of the Voltas AC indoor unit (80 x 29.2 x 22.2 cm) and outdoor unit (83.5 x 55.5 x 29.5 cm).

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Video: A brief preview of the Voltas AC unit in operation, showing the indoor unit mounted on a wall and its display.

4. OPERATING INSTRUCTIONS

4.1. Remote Control Operation

The AC unit is controlled via the provided remote. Ensure batteries are correctly inserted. Point the remote towards the indoor unit for effective communication.

4.2. 4-in-1 Adjustable Cooling Modes

Utilize the 4-in-1 adjustable cooling modes to customize your comfort:

- **Mode 1 (Gentle Cooling):** Ideal for up to 2 people, providing a mild breeze.
- **Mode 2 (Moderate Cooling):** Suitable for up to 3 people, offering balanced cooling.

- **Mode 3 (Accelerated Cooling):** For up to 5 people, delivering faster cooling.
- **Mode 4 (Turbo Fast Cooling):** For more than 5 people or rapid temperature reduction.



Image: Illustration of the four adjustable cooling modes, showing different occupancy levels and corresponding cooling intensity.

4.3. Sleep Mode

Activate Sleep Mode for optimized night-time comfort. This mode gradually adjusts the temperature to prevent overcooling and conserve energy while you sleep.

4.4. Turbo Cooling

When immediate cooling is required, select the Turbo mode. This function maximizes the fan speed and compressor output to quickly lower the room temperature.



Image: Visual representation of the AC's efficient cooling and wide voltage range operation.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Voltas AC. Always disconnect power before performing any maintenance.

5.1. Filter Cleaning

The anti-dust filter should be cleaned regularly (e.g., every two weeks or monthly, depending on usage and air quality). Open the front panel of the indoor unit, remove the filters, and clean them with a soft brush or vacuum cleaner. For heavy dirt, wash with lukewarm water and mild detergent, then air dry completely before reinserting.



Image: Close-up of the anti-dust filter with anti-microbial coating, highlighting its role in air purification.

5.2. Outdoor Unit Maintenance

Keep the outdoor unit free from obstructions like leaves, dust, and debris to ensure proper airflow and heat dissipation. Periodically check the copper condenser coils for any damage or excessive dirt buildup. The anti-corrosive coating helps protect the unit, but regular visual inspection is recommended.



Image: Detailed view of the 100% copper condenser tubes, emphasizing durability and efficient heat exchange.



Image: Illustration of the anti-corrosive coating protecting the AC components.

6. TROUBLESHOOTING

If you encounter issues with your AC, refer to the following common troubleshooting tips. For complex problems, contact Voltas customer support.

Problem	Possible Cause	Solution
AC not turning on	No power, remote batteries dead, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling	Dirty air filters, blocked outdoor unit, low refrigerant, wrong mode selected.	Clean air filters, clear obstructions from outdoor unit, check refrigerant levels (professional service), select appropriate cooling mode.
Unusual noise	Loose parts, fan obstruction, compressor issue.	Check for loose parts, remove fan obstruction. If noise persists, contact service.
Water leakage	Blocked drain pipe, improper installation.	Clear drain pipe. If issue persists, professional inspection is needed.

The unit's self-diagnosis feature may display error codes on the hidden LED display. Refer to the Owner's Manual for specific error code interpretations.

7. SPECIFICATIONS

Feature	Detail
Brand	Voltas
Model Name	AC
Model Number	125V Vectra CAW
Capacity	1 Ton
Energy Rating	5 Star (BEE 2025 guidelines)
ISEER Value	5.0
Annual Energy Consumption	511.13 kWh/year
Cooling Power	3300 Kilowatts
Refrigerant	R-32
Compressor Type	Variable Speed Inverter (rotary_scroll or rotary_vane)
Condenser Material	100% Copper
Noise Level (IDU)	44/43/42/38 dBA
Operating Voltage Range	110V - 285V
Indoor Unit Dimensions (WxHxD)	80 x 29.2 x 22.2 cm
Outdoor Unit Dimensions (WxHxD)	83.5 x 55.5 x 29.5 cm
Indoor Unit Weight	9.5 Kg
Outdoor Unit Weight	23.7 Kg
Control Method	Remote Control, Button Control
Special Features	Dust Filter, Fast Cooling, Inverter Compressor, Remote Controlled, Anti-Microbial Protection, Anti-Corrosive Coating, LED Display, Self Diagnosis, Sleep Mode, Turbo, 4 Step Adjustable Cooling, Memory Restart, Anti-freeze thermostat

8. WARRANTY AND SUPPORT

Your Voltas AC comes with comprehensive warranty coverage:

- **Product Warranty:** 1 Year Comprehensive Warranty on the Entire Product & PCB.
- **Compressor Warranty:** 10 Years Warranty on the Inverter Compressor.

(Terms & Conditions Apply. Warranty for purchases made from 19th Sep'25 to 31st March '26 for 5 years comprehensive, and from Jan 2025 onwards for 5 years on PCB.)

For any queries or assistance, please contact Voltas customer support:

Phone: 18605994555

Email: vcare@voltas.com

Please provide the product's model name and seller's details mentioned on your invoice when contacting support. For units installed by entities outside of Voltas's service network, warranty repairs for defects attributed to installation may be charged by the Brand.

