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Voltas 183 Vectra Pearl

Voltas 1.5 Ton 3 Star Window AC User Manual

Model: 183 Vectra Pearl

Brand: Voltas

1. Product Overview

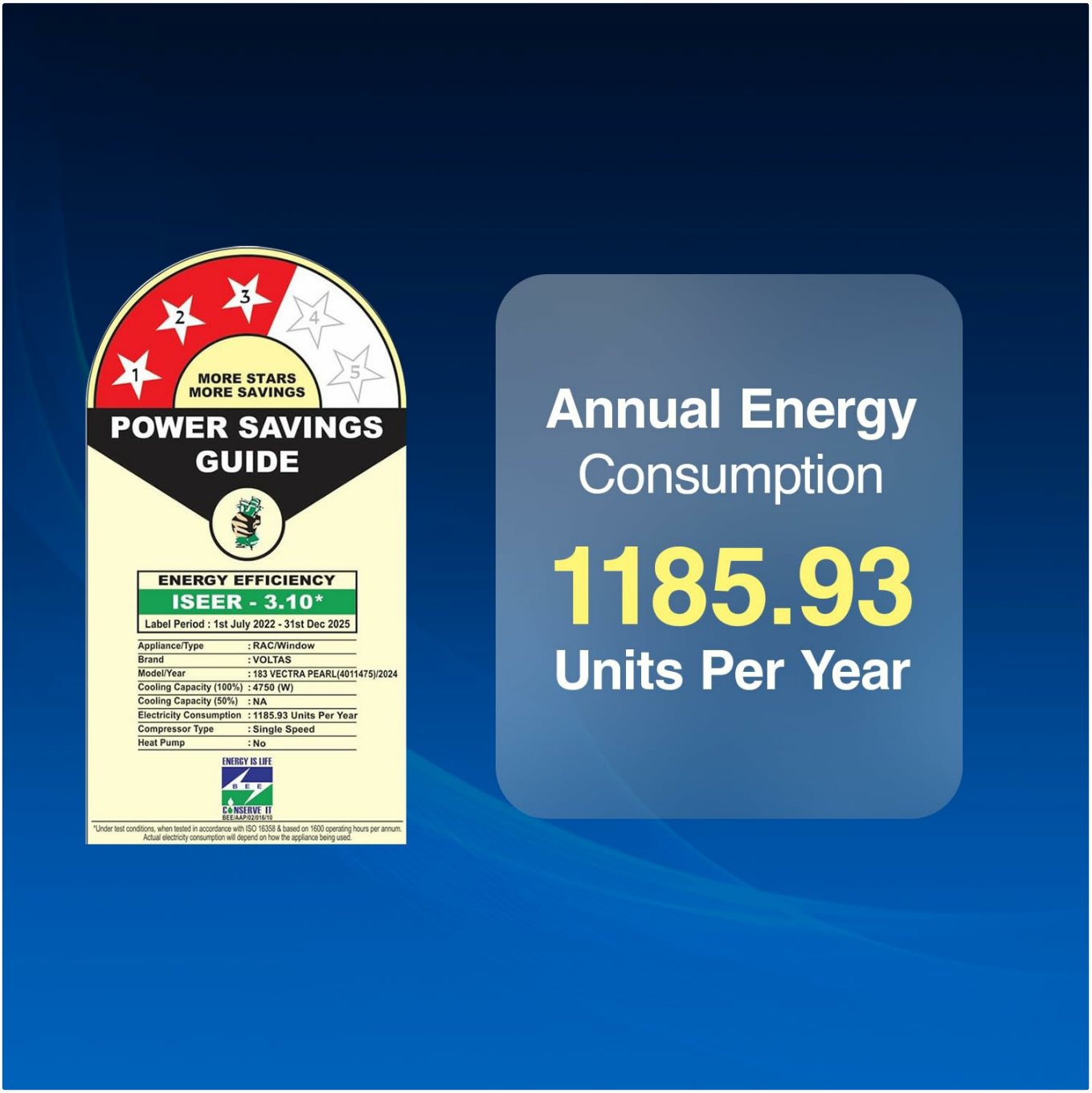
The Voltas 1.5 Ton 3 Star Window AC is designed to provide efficient and comfortable cooling for medium-sized rooms (111 to 150 sq ft). Featuring a durable copper condenser coil and R32 refrigerant gas, this unit offers reliable performance with reduced environmental impact. Its compact design allows for economical and easy installation.



Front view of the Voltas 1.5 Ton 3 Star Window AC, showcasing its compact and functional design.

Key Features:

- **1.5 Ton Capacity:** Ideal for rooms up to 150 sq ft.
- **3 Star Energy Rating:** Ensures energy efficiency with an annual consumption of 1185.93 kWh per year.
- **Copper Condenser Coil:** Provides better cooling, requires low maintenance, and enhances durability.
- **R32 Refrigerant Gas:** Environmentally friendly refrigerant with lower global warming potential.
- **Stabilizer Free Operation:** Operates within a 230 voltage range without an external stabilizer.
- **Special Features:** Includes Timer, Glow light Button, Auto Swing, Anti-Rust Coating, LED Display, Self Diagnosis, Sleep Mode, Turbo Mode, Easily Removable Panel, Low Gas Diagnosis, Ultra Silent, Ice Wash, and Filter Clean Indicator.



The Power Savings Guide indicating the 3-star energy rating and an annual energy consumption of 1185.93 units per year.



Illustration of the High Ambient Cooling capability, effectively cooling even when outdoor temperatures reach 48°C.

2. Setup and Installation

Unpacking the Unit:

Carefully unpack the air conditioner unit and all accessories from the packaging. Ensure all components are present and undamaged before proceeding with installation.

Included in the Box:

- 1 Window AC Unit
- 1 Remote Control
- 1 User Manual
- 1 Warranty Card

- 2 AAA Remote Batteries
- 1 Drain Tray

Installation Type:

This is a Window AC unit, designed for installation in a standard window opening. Professional installation is highly recommended to ensure proper fitting, sealing, and electrical connections for optimal performance and safety.



Diagram showing the dimensions of the Voltas Window AC: 66 cm (W) x 43 cm (H) x 74.5 cm (D).

3. Operating Instructions

Remote Control Functions:

The unit comes with a remote control for convenient operation. Insert the two AAA batteries provided into the remote before first use. Point the remote control directly at the AC unit's receiver for effective communication.

- **Power Button:** Turns the AC unit on or off.
- **Mode Selection:** Cycle through cooling, fan, and other available modes.
- **Temperature Adjustment:** Use the Up/Down arrows to set your desired temperature. The LED display on the unit will show the current setting.
- **Fan Speed:** Adjust the fan speed (Low, Medium, High) to control airflow.
- **Turbo Mode:** Activates maximum cooling capacity for rapid temperature reduction.
- **Sleep Mode:** Adjusts temperature automatically during sleep for energy saving and comfort.
- **Auto Swing:** Controls the horizontal movement of the air louvers for even air distribution.
- **Timer Function:** Set a specific time for the unit to turn on or off automatically.
- **Glow Light Button:** Illuminates the remote control buttons for use in low light conditions.



Visual representation of the Instant Cooling technology, providing rapid relief from heat.

4. Maintenance and Care

Regular maintenance ensures the longevity and efficient operation of your Voltas AC unit.

Filter Cleaning:

The AC unit is equipped with a dust filter. A 'Filter Clean Indicator' will alert you when the filter needs cleaning. To clean, carefully remove the front panel and slide out the filter. Wash the filter with mild detergent and water, rinse thoroughly, and allow it to dry completely before reinserting. Regular cleaning (every 2-4 weeks depending on usage) is crucial for maintaining air quality and cooling efficiency.



Diagram illustrating the Anti-Microbial Air Filtration system, designed to trap dust, allergens, and microbes.

Anti-Rust Coating:

The unit features an anti-rust coating on critical components, which helps prevent corrosion and extends the lifespan of the air conditioner, especially in humid environments.

Low Gas Diagnosis:

The smart system includes a 'Low Gas Diagnosis' feature that detects low refrigerant levels. If this indicator appears, it suggests a potential issue with the refrigerant and professional service is recommended.



Visual explanation of the Low Gas Diagnosis system, which helps detect low refrigerant levels for timely maintenance.

General Care:

Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the area around the AC is clear of obstructions to allow for proper airflow.

5. Troubleshooting Guide

Before contacting customer service, please refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
AC not cooling effectively	Dirty air filter; Room too large; Doors/windows open; Low refrigerant.	Clean or replace air filter; Ensure room size is appropriate; Close all doors and windows; Contact service for refrigerant check.
Unit does not turn on	No power supply; Remote control batteries dead; Power cord unplugged.	Check power outlet and circuit breaker; Replace remote batteries; Ensure power cord is securely plugged in.
Unusual noise from unit	Loose parts; Obstruction in fan; Unit not level.	Check for loose screws or panels; Remove any obstructions; Ensure unit is installed on a level surface. If noise persists, contact service.
Water leakage	Blocked drain pipe; Unit not tilted correctly.	Clear any blockages in the drain pipe; Ensure the unit has a slight outward tilt for proper drainage.

6. Technical Specifications

Specification	Value
Brand	Voltas
Model	183 Vectra Pearl
Energy Efficiency	3 Star
Capacity	1.5 Tons
Annual Energy Consumption	1185.93 kWh per year
Maximum Cooling Capacity	4750 Watts
Noise Level (IDU)	56 dB
Installation Type	Window
Refrigerant Gas	R32
Condenser Coil	Copper
Voltage	230 Volts
Item Weight	45 kg
Item Dimensions (LxWxH)	74.5 x 66 x 43 Centimeters
Material	Plastic
Included Components	1 AC unit, 1 Remote Control, 1 User manual, 1 Warranty Card

7. Warranty and Support

Warranty Information:

The Voltas 1.5 Ton 3 Star Window AC comes with a**1 Year Comprehensive Warranty** on the product and a**5 Years Warranty** on the compressor. Please retain your purchase receipt and warranty card for any warranty claims.

Customer Support:

For any technical assistance, service requests, or warranty claims, please contact Voltas customer support. Refer to the contact information provided on your warranty card or visit the official Voltas website for the most up-to-date support details.

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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

Answered questions about this manual

What does the E2 error code mean on the Voltas 183 Vectra Pearl Window AC, and why is the compressor tripping repeatedly?

On Voltas air conditioners, the E2 error code typically indicates an issue with the indoor coil temperature sensor (either it is faulty, disconnected, or detecting an abnormal temperature). This error often triggers a safety...

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