

Voltas SAC 183VH Vectra Platina

Voltas 1.5 Ton 3 Star Hot & Cold Inverter Split AC (SAC 183VH Vectra Platina) User Manual

Model: SAC 183VH Vectra Platina

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Voltas 1.5 Ton 3 Star Hot & Cold Inverter Split AC. Please read this manual thoroughly before using the appliance and retain it for future reference.

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.

- Ensure the AC is installed by a qualified technician.
- Do not insert fingers or objects into the air inlet/outlet.
- Do not operate the AC with wet hands.
- Keep children away from the unit.
- Turn off the power supply before cleaning or maintenance.
- Do not attempt to repair the unit yourself. Contact authorized service personnel.
- Ensure proper grounding to avoid electric shock.

PRODUCT FEATURES

Your Voltas Split AC is equipped with advanced features designed for comfort and efficiency:

- **All Weather Operation:** Provides both cooling and heating, suitable for diverse climates.
- **Inverter Compressor:** Variable speed compressor adjusts power based on heat load, ensuring energy efficiency and consistent temperature.
- **100% Copper Condenser:** Ensures superior heat transfer, durability, and resistance to rust and corrosion.

- **Anti-dust Filter with Anti-Microbial Coating:** Filters out dust and inhibits the growth of microbes, germs, bacteria, and fungi for cleaner air.
- **Anti-Corrosive Coating:** Built to withstand rusting and wear, extending the lifespan of the unit.
- **R32 Refrigerant:** Environmentally friendly refrigerant with no ozone depletion potential.
- **Wide Operating Range:** Operates efficiently within a voltage range of 150V - 270V.
- **Hidden Display:** A sleek, integrated display for enhanced aesthetics.
- **Sleep Mode:** Adjusts temperature automatically for comfortable sleep and energy saving.
- **Turbo Mode:** Provides rapid cooling or heating for quick comfort.
- **Memory Restart:** Automatically restores previous settings after a power outage.
- **Anti-freeze Thermostat:** Prevents ice buildup in the unit for efficient and uninterrupted operation.
- **Active Dehumidifier:** Removes excess moisture from the air, maintaining a fresh indoor environment.



Voltas All Weather Hot & Cold AC providing comfort in a living room setting.



Unmatched Energy Efficiency with Inverter Compressor and 100% Copper Condenser.



Anti-dust Filter with Anti-microbial Coating for cleaner air.



Anti-Corrosive Coating for enhanced durability.

INCLUDED COMPONENTS

Upon purchase, your Voltas AC package includes the following items:

- 1 Indoor Unit
- 1 Outdoor Unit
- 1 Interconnecting Cable (3m)
- 4 Outdoor Vibration Pads
- 1 Remote Control
- 2 AAA Remote Batteries
- 1 Indoor Mounting Plate
- Owner's Manual
- Warranty Card

INSTALLATION GUIDE

Proper installation is crucial for the performance and longevity of your AC. It is highly recommended to have the unit installed by a certified Voltas technician.

General Installation Steps:

1. **Site Selection:** Choose appropriate locations for both indoor and outdoor units, ensuring proper airflow and drainage.
2. **Mounting the Indoor Unit:** Secure the mounting plate on the wall, then attach the indoor unit.
3. **Installing the Outdoor Unit:** Place the outdoor unit on a stable, level surface, using the provided vibration pads.
4. **Connecting Refrigerant Pipes:** Connect the copper pipes between the indoor and outdoor units, ensuring no kinks or leaks.
5. **Electrical Wiring:** Connect the power supply and interconnecting cable according to the wiring diagram in the detailed installation manual. Ensure proper grounding.
6. **Drainage Pipe Installation:** Install the drain pipe to ensure proper water discharge from the indoor unit.
7. **Vacuuming and Gas Charging:** Evacuate air from the refrigerant lines and charge with R32 refrigerant as per specifications. This step is critical and must be performed by a professional.
8. **Test Run:** Perform a test run to check all functions and ensure proper operation.



Dimensions of the Voltas AC Indoor and Outdoor Units.

OPERATING INSTRUCTIONS

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

Basic Operation:

- **Power On/Off:** Press the power button to turn the unit on or off.
- **Mode Selection:** Use the 'Mode' button to cycle through available modes: Cool, Heat, Dry, Fan, Auto.
- **Temperature Adjustment:** Use the 'Temp Up' and 'Temp Down' buttons to set your desired temperature.
- **Fan Speed:** Adjust fan speed (Low, Medium, High, Auto) using the 'Fan' button.
- **Swing Function:** Activate the swing function for even air distribution.

Special Functions:

- **Sleep Mode:** Press the 'Sleep' button for quiet operation and automatic temperature adjustments during sleep.

- **Turbo Mode:** Press 'Turbo' for rapid cooling or heating.
- **Dry Mode:** Select 'Dry' mode to reduce humidity in the room.

VOLTAS

Turbo Mode

Annual Power Consumption

977.62 kWh

100V **Wide Voltage Range** 290V

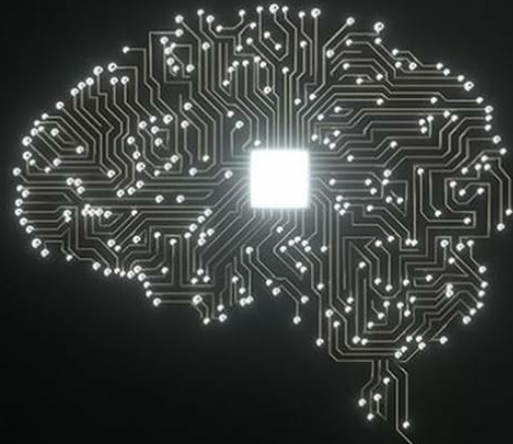
R32
Environment Friendly
R32 Coolant

Key operational features including annual power consumption, Turbo mode, wide voltage range, and R32 coolant.



Sleep Mode

Whisper quiet cooling throughout the night

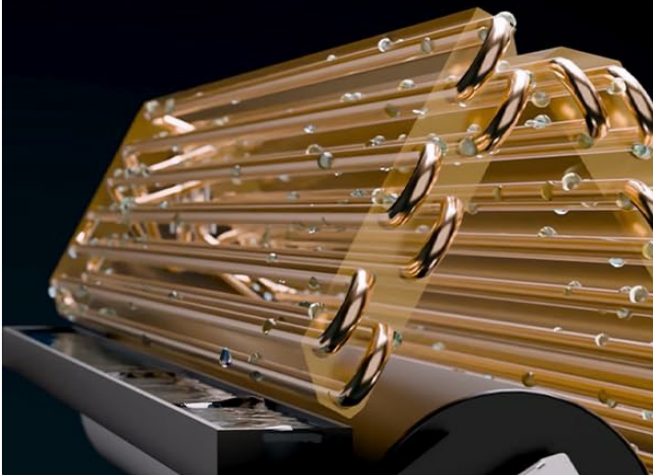


Memory Restart

Auto restarts set cooling program after a power cut

SuperDry Mode

Removes excess moisture from the air, keeping your space cool and fresh.



Anti-Freeze Thermostat

Prevents ice buildup in the unit for efficient & uninterrupted operation



Special features like Sleep Mode, SuperDry Mode, Memory Restart, and Anti-Freeze Thermostat.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your AC unit.

Filter Cleaning:

- **Frequency:** Clean the air filters every two weeks or more frequently if the environment is dusty.
- **Steps:**
 - a. Turn off the AC and disconnect power.
 - b. Open the front panel of the indoor unit.
 - c. Remove the air filters.
 - d. Clean filters with a vacuum cleaner or wash with lukewarm water and mild detergent.
 - e. Allow filters to dry completely before reinserting.
 - f. Close the front panel.

Outdoor Unit Cleaning:

- Periodically clear any debris, leaves, or dust from the outdoor unit's coils and fan blades. Ensure power is off before cleaning.

General Care:

- Wipe the indoor unit's surface with a soft, dry cloth. Do not use harsh chemicals.
- Check the drainage pipe for blockages regularly.

TROUBLESHOOTING

If you encounter issues with your AC, refer to the table below for common problems and solutions. If the problem persists, contact Voltas customer support.

Problem	Possible Cause	Solution
AC not turning on	No power supply, remote batteries dead, circuit breaker tripped.	Check power, replace remote batteries, reset circuit breaker.
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, low refrigerant, wrong mode selected.	Clean filters, clear outdoor unit, check refrigerant (professional service), select correct mode.
Water leakage from indoor unit	Blocked drain pipe, improper installation.	Clear drain pipe, contact technician for inspection.
Unusual noise	Loose parts, fan obstruction, compressor issue.	Check for loose parts, remove obstructions, contact service for compressor check.
Remote control not working	Dead batteries, obstruction between remote and AC.	Replace batteries, remove obstruction, ensure remote is pointed at the indoor unit.

TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Voltas
Model Name	183VH (Vectra Platina)
Model Number	4503521
Capacity	1.5 Tons
Cooling Power	5050 Kilowatts
BEE Star Rating	3 Star
Annual Energy Consumption	977.62 kWh/year (as per BEE Label)
ISEER Value	3.80

Specification	Value
Refrigerant	R-32
Compressor Type	Inverter (Rotary Scroll)
Core Material	Copper
Noise Level (IDU)	46/44/42/38 dB(A)
Voltage	270 Volts (Wide Operating Range 150V-270V)
Indoor Unit Dimensions (W x H x D)	84 x 29 x 21 cm
Outdoor Unit Dimensions (W x H x D)	83.5 x 55.5 x 29.5 cm
Item Weight	30.2 Kilograms (IDU: 9.5 Kg, Outdoor: 25.5 Kg)
Control Method	Remote Control



Annual Energy Consumption details for the Voltas AC.

WARRANTY AND SUPPORT

Voltas provides comprehensive warranty coverage for your peace of mind.

- **Product Warranty:** 1 Year Comprehensive Warranty on the Product.
- **Compressor Warranty:** 10 Years Warranty on Inverter Compressor.
- **PCB Warranty:** 5 Years Warranty on PCB (for purchases from Jan 2025 onwards).

Please retain your Amazon invoice as proof of purchase to avail warranty services. For any service requests or support, please contact Voltas customer care.

You can access the user manual and additional support information from the official Voltas website.

PRODUCT OVERVIEW VIDEO

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This video provides a detailed overview of the Voltas All Weather Split AC, highlighting its key features and benefits for year-round comfort and energy efficiency. It covers aspects like inverter technology, all-weather operation, and various comfort features.