

Carrier CAI24ES5R33F0

Carrier 2 Ton 5 Star Flexicool Inverter Split AC

Model: CAI24ES5R33F0

User Instruction Manual

1. IMPORTANT SAFETY INFORMATION

Read all safety warnings and instructions carefully before installing, operating, or performing maintenance on this air conditioner. Keep this manual for future reference.

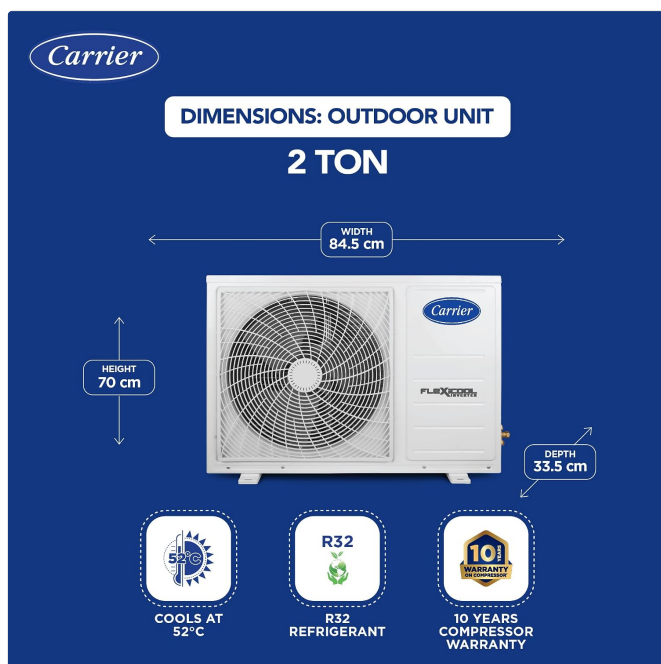
- **Electrical Safety:** Ensure the power supply matches the unit's requirements. Do not use damaged power cords or plugs. Always ground the unit properly.
- **Installation:** Installation must be performed by qualified service personnel in accordance with national wiring standards. Improper installation can lead to electric shock, fire, or water leakage.
- **Operation:** Do not insert fingers or objects into the air inlet/outlet. Do not operate with wet hands. Keep flammable materials away from the unit.
- **Maintenance:** Always turn off the power supply before cleaning or performing any maintenance.
- **Refrigerant:** This unit uses R32 refrigerant. Handle with care and ensure proper ventilation during installation and servicing.

2. PRODUCT OVERVIEW

The Carrier 2 Ton 5 Star Flexicool Inverter Split AC is designed for efficient cooling in large rooms, featuring advanced inverter technology, multi-stage filtration, and enhanced durability.



Indoor Unit: The main cooling component, typically mounted inside the room. This image shows the front view of the indoor unit, highlighting its sleek design and the 'Flexicool' branding.



Outdoor Unit: Houses the compressor and condenser, installed outside to dissipate heat. This image displays the outdoor unit, which is robustly built to withstand external conditions.

2.1 Key Features

- **Flexicool Inverter Technology:** Variable speed compressor adjusts power based on heat load, offering 6-in-1 convertible cooling modes for energy savings up to 50%.
- **Dual Filtration:** Equipped with HD (High Density) and PM2.5 filters for improved indoor air quality.
- **Insta Cool:** Provides faster cooling when rapid temperature reduction is desired.
- **Hydro Blue Coating & Aqua Clear Protection:** Enhances durability and protects coils from rust and corrosion.
- **Refrigerant Leakage Detector:** Alerts users to potential refrigerant leaks for safety and performance.
- **Auto Cleanser:** Helps maintain the cleanliness of the indoor unit.
- **Stabilizer Free Operation:** Designed to operate within a voltage range of 135V to 280V without an external stabilizer.

- **R32 Refrigerant:** Environmentally friendly refrigerant with zero ozone depletion potential.

3. SETUP AND INSTALLATION

Professional installation is highly recommended for optimal performance and safety. Refer to the separate installation guide provided with the product for detailed steps.

3.1 What's in the Box

- 1N Indoor Unit
- 1N Outdoor Unit
- 1N Remote Control
- 1 set Copper Installation pipe (3 Meter)
- 1N Interconnecting wire
- 1N User Manual (this document)
- 1N Warranty Card

3.2 Installation Overview

The installation process typically involves mounting the indoor and outdoor units, connecting the refrigerant pipes and electrical wiring, and ensuring proper drainage. Due to the complexity and safety requirements, this should only be performed by certified technicians.



DIMENSIONS: INDOOR UNIT

2 TON

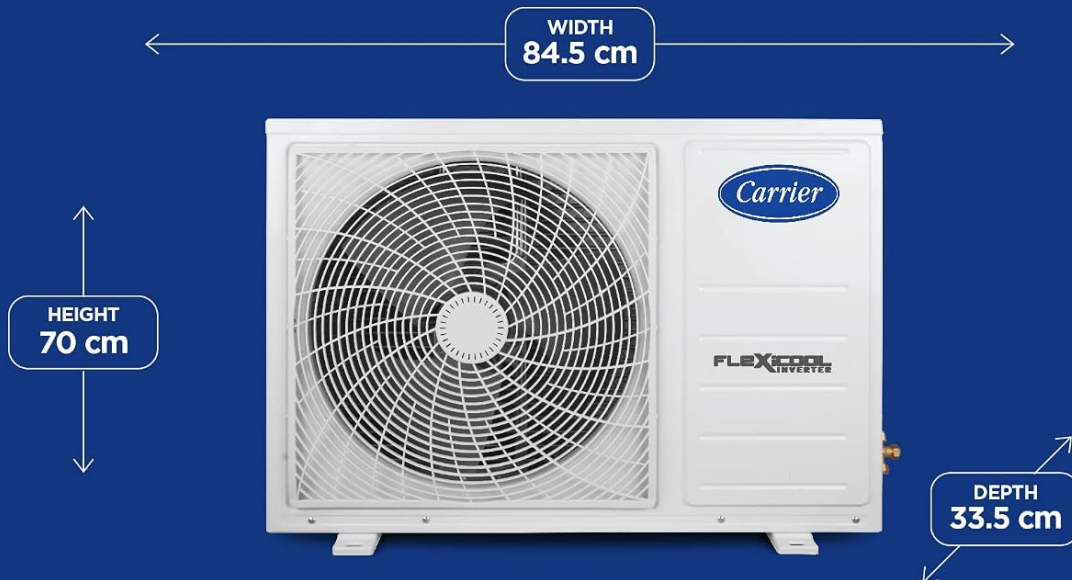


Indoor Unit Dimensions: Width 104.5 cm, Height 31.5 cm, Depth 23.5 cm. Ensure adequate space for air circulation and maintenance.



DIMENSIONS: OUTDOOR UNIT

2 TON



**COOLS AT
52°C**



**R32
REFRIGERANT**



**10 YEARS
COMPRESSOR
WARRANTY**

Outdoor Unit Dimensions: Width 84.5 cm, Height 70.0 cm, Depth 33.5 cm. Position the outdoor unit in a well-ventilated area, away from direct sunlight or obstructions.

4. OPERATING INSTRUCTIONS

The air conditioner is controlled via the supplied remote control. Ensure the remote has fresh batteries and is pointed towards the indoor unit.

4.1 Remote Control Functions



Remote Control: Use the remote to select various operating modes and adjust settings. The image illustrates the remote control interface and the different cooling capacities available with Flexicool technology.

- **Power Button:** Turns the unit ON/OFF.
- **Mode Button:** Cycles through operating modes: Cool, Dry, Fan, Auto.
- **Temperature Adjustment:** Use the Up/Down arrows to set the desired temperature.
- **Fan Speed:** Adjusts the fan speed (Low, Medium, High, Auto).
- **Swing Button:** Controls the louver movement for air direction.
- **Flexicool (6-in-1) Button:** Allows selection of different cooling capacities (e.g., 0.9T to 1.9T) to match room size and energy saving needs.
- **Insta Cool Button:** Activates rapid cooling for quick temperature reduction.
- **Sleep Mode:** Optimizes temperature and fan speed for comfortable sleep and energy efficiency.
- **Follow Me Function:** The remote control acts as a thermostat, sensing the temperature around it and adjusting cooling accordingly.
- **Timer:** Set the unit to turn ON or OFF automatically after a specified period.

4.2 6-in-1 Flexicool Technology

This feature allows you to adjust the cooling capacity of the AC to suit your needs, saving energy. You can select from six different tonnage settings (e.g., 0.9 Ton, 1.25 Ton, 1.5 Ton, 1.7 Ton, 1.8 Ton, 1.9 Ton) depending on the ambient temperature and the number of occupants in the room.

4.3 High Ambient Working



High Ambient Working: The outdoor unit is engineered to maintain effective cooling performance even when outside temperatures reach up to 52°C.

5. MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your air conditioner. Always disconnect power before cleaning.

5.1 Filter Cleaning



Dual Filtration System: The AC features both HD and PM2.5 filters to capture dust and fine particulate matter. Regular cleaning of these filters is crucial for maintaining air quality and cooling efficiency.

1. Open the front panel of the indoor unit.
2. Carefully remove the HD and PM2.5 filters.
3. Clean the filters using a vacuum cleaner or wash them gently with lukewarm water. Do not use hot water or harsh detergents.
4. Allow the filters to dry completely in a shaded area before reinstalling.
5. Reinstall the filters and close the front panel.

Clean filters every two weeks or more frequently depending on usage and air quality.

5.2 Auto Cleanser Function

The Auto Cleanser feature helps to prevent the growth of mold and bacteria inside the indoor unit by drying the evaporator coil after cooling operation. To activate, refer to your remote control instructions or the main user manual.

5.3 Coil Protection



Hydro Blue Coating: This special coating on the indoor unit's coils protects against corrosion, increasing the unit's durability and

lifespan.



Aqua Clear Protection: The outdoor unit features Aqua Clear Protection, safeguarding its components from harsh weather conditions and environmental corrosion, ensuring long-term performance.

5.4 General Cleaning

- Wipe the exterior of the indoor and outdoor units with a soft, damp cloth.
- Do not use abrasive cleaners, waxes, or polishes.
- Ensure the drainage pipe is clear and free from obstructions.

6. TROUBLESHOOTING

Before contacting customer service, review the following common issues and solutions.

6.1 Common Issues

Problem	Possible Cause	Solution
Unit does not turn ON	No power, tripped circuit breaker, dead remote batteries	Check power supply, reset breaker, replace remote batteries.
Insufficient cooling	Dirty filters, blocked outdoor unit, wrong mode, high ambient temperature	Clean filters, clear obstructions, select 'Cool' mode, use Flexicool for higher capacity.
Unusual noise	Loose parts, fan obstruction, unit not level	Check for loose parts, clear obstructions, ensure unit is level. If noise persists, contact service.
Water leakage from indoor unit	Blocked drain pipe, improper installation	Clear drain pipe. If issue persists, contact professional installer.

6.2 Refrigerant Leakage Detector



Refrigerant Leakage Detector: This system monitors for refrigerant leaks. If a leak is detected, the unit will display an error code and shut down to prevent damage and ensure safety. Contact qualified service personnel immediately if this occurs.

6.3 Intelligent CRF Alert

The Intelligent CRF (Clean Filter Reminder) Alert will notify you when it's time to clean the filters, ensuring consistent performance and air quality.

6.4 ADC Sensor and Other Sensors



IDU & ODU Sensors: The AC is equipped with multiple sensors (Ambient, Evaporator, Condenser Out, Discharge) in both the indoor and outdoor units. These sensors continuously monitor operating conditions to optimize performance, ensure safety, and detect potential issues.

7. SPECIFICATIONS

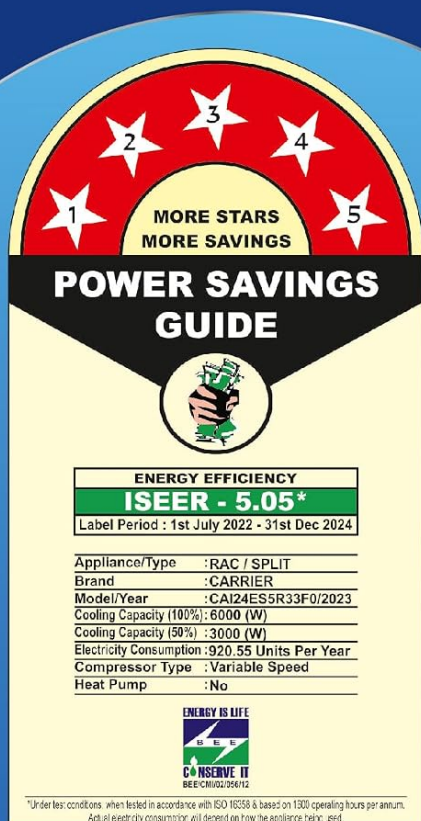
Feature	Specification
Brand	Carrier
Model Name	ESTER Exi - CAI24ES5R33F0
Capacity	2 Tons
Cooling Power	6000 Kilowatts
Energy Rating	5 Star (BEE Star Rating)

Feature	Specification
ISEER Value	5.05
Annual Energy Consumption	920.55 Kilowatt Hours Per Year
Indoor Unit Dimensions (D x W x H)	23.5D x 104.5W x 31.5H Centimeters
Outdoor Unit Dimensions (D x W x H)	33.5D x 84.5W x 70.0H Centimeters
Indoor Unit Weight	14 Kg
Outdoor Unit Weight	40 Kg
Noise Level (Indoor)	38 Decibels
Refrigerant	R-32
Filter Type	PM 2.5 Filter, HD Filter
Compressor Type	Rotary Inverter
Core Material	100% Copper
Voltage	230 Volts (AC)
Wattage	1500 Watts
Air Flow Efficiency	700 Cubic Feet Per Minute
Recommended Room Size	151 sq ft to 200 sq ft

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5 STAR RATING

MAXIMUM COOLING. MINIMUM CONSUMPTION.



Energy Efficiency: This image displays the 5-star energy rating label, indicating high energy efficiency and lower annual energy consumption (920.55 units).



100% Copper: The unit features 100% copper condenser coils and connecting pipes, ensuring efficient heat transfer, durability, and lower maintenance costs.

Carrier



UNCOMPROMISED HOME AESTHETICS

Maintain home aesthetics with stabilizer-free air conditioners, which work efficiently in theoltage range of 135-280V.



STABILIZER-FREE OPERATION

NORMAL AC



Stabilizer Free Operation: The AC is designed to operate reliably within a wide voltage range (135V-280V), eliminating the need for an external voltage stabilizer.

8. WARRANTY INFORMATION

Your Carrier air conditioner comes with the following warranty:

Carrier

WARRANTIES

10 YEARS

WARRANTY
ON COMPRESSOR*

5 YEARS

WARRANTY
ON PCB*



Warranty Coverage: This image highlights the warranty terms, including 10 years on the compressor and 5 years on the PCB.

- **10 Years Warranty:** On Compressor (Terms & Conditions apply)
- **5 Years Warranty:** On PCB (Printed Circuit Board) (Terms & Conditions apply)
- **1 Year Warranty:** On Product (Terms & Conditions apply)

Please retain your purchase receipt and warranty card for any warranty claims. For detailed terms and conditions, refer to the warranty card included in the box.

9. CUSTOMER SUPPORT

For any queries, service requests, or technical assistance, please contact Carrier customer care:

- **Customer Care Number:** 18001033333
- **Manufacturer:** Carrier Midea India Private Limited
- **Address:** 1st Floor, Pearl Tower, Plot no. 51, Sector-32, Gurgaon-122001

When contacting support, please have your product model number (CAI24ES5R33F0) and purchase details ready.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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