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Carrier CAI18ES3R32F0

Carrier 1.5 Ton 3 Star Inverter Split AC User Manual

MODEL: CAI18ES3R32F0

1. Introduction

Welcome to the user manual for your Carrier 1.5 Ton 3 Star Inverter Split AC. This manual provides essential information for the safe and efficient operation, installation, maintenance, and troubleshooting of your air conditioning unit. Please read this manual thoroughly before using the appliance and retain it for future reference.

2. Safety Information

Always adhere to the following safety precautions to prevent injury or damage to the unit.

- Ensure the power supply matches the unit's specifications.
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- Keep the area around the outdoor unit clear of obstructions.
- Do not insert fingers or objects into the air inlet/outlet.
- Disconnect power before cleaning or maintenance.
- This appliance uses R32 refrigerant. Handle with care and ensure proper ventilation during installation and servicing.

3. Product Overview

The Carrier 1.5 Ton 3 Star Inverter Split AC features Flexicool Inverter Technology, designed for energy efficiency and effective cooling even in high ambient temperatures up to 52°C. It includes a copper condenser coil for better cooling and low maintenance.

Key Features:

- **Flexicool Inverter Technology:** Variable speed compressor adjusts power based on heat load, offering energy savings and cooling performance up to 52°C.
- **Capacity:** 1.5 Ton, suitable for mid-sized rooms (111 sq ft to 150 sq ft).
- **Energy Rating:** 3 Star, with an annual energy consumption of 999.69 units and an ISEER Value of 3.91.
- **Copper Condenser Coil:** Ensures efficient heat transfer and requires minimal maintenance.
- **Special Features:** Dust Filter, Air Purification Filter, Dehumidifier.
- **Low Noise Level:** Operates at 37 dB.
- **Stabilizer Free Operation:** Designed to work efficiently within a voltage range of 135-280V.
- **R32 Refrigerant:** Eco-friendly refrigerant with zero ozone depleting potential.
- **Auto Cleanser:** Automatically disinfects and cleanses the indoor unit.
- **Hidden Display:** Temperature display is hidden and only visible when the unit is operating.
- **Hydro Blue Coating / Aqua Clear Protection:** Protects coil and fin against corrosion, increasing durability.

Components Included:

The product package includes:

- Indoor Unit
- Outdoor Unit
- Interconnecting pipes
- Remote Control
- User manual (this document)

Product Dimensions:

Unit	Dimensions (L x W x H)
Indoor Unit	94 cm x 20.5 cm x 27.5 cm
Outdoor Unit	79 cm x 28 cm x 54 cm



Image: Front view of the Carrier 1.5 Ton Split AC indoor unit, highlighting its sleek design and

"Flexicool Inverter" branding.



Image: Infographic showing key features like 4-in-1 Flexicool, DC Inverter Compressor, cooling at 52°C, PM 2.5 filter, 100% copper, annual energy consumption, R32 refrigerant, and 37 dB noise level.



Image: Visual representation of warranty details: 10 years on compressor and 5 years on PCB.



DIMENSIONS: INDOOR UNIT

1.5 TON



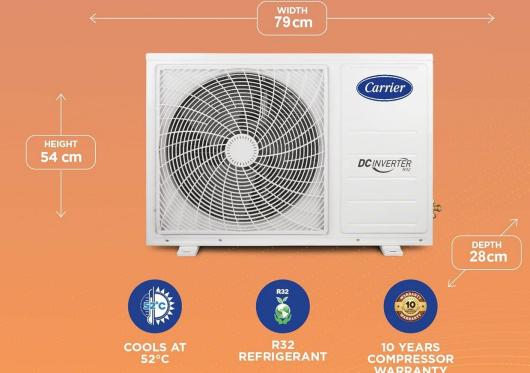
#FromTheInventors

Image: Diagram illustrating the 4-in-1 Flexicool Technology for personalized cooling, showing different tonnage settings (1.9T, 1.6T, 1.2T, 0.8T) for varying ambient temperatures (Very Hot, Hot, Sunny, Pleasant) and potential energy savings up to 50%. A remote control is also shown.



DIMENSIONS: OUTDOOR UNIT

1.5 TON



#FromTheInventors

Image: Diagram showing the dimensions of the indoor unit: 94 cm width, 27.5 cm height, and 20.5 cm depth. Icons for 4-in-1 Flexicool, Auto Cleanser, and Stabilizer Free Operation are also present.



Image: Diagram showing the dimensions of the outdoor unit: 79 cm width, 54 cm height, and 28 cm depth. Icons for cooling at 52°C, R32 refrigerant, and 10 years compressor warranty are also present.



Image: Illustration of the Turbo Mode feature for dramatically faster cooling, showing a user with a remote control and the AC unit.



Image: Depiction of the high-density and PM 2.5 micron filters, illustrating how they protect against indoor pollution.



Image: Visual demonstrating the AC's ability to keep rooms cool even when outside temperatures reach 52°C, with a thermometer showing the high temperature.



Image: Illustration of the Hydro Blue Coating protecting the coil and fin against corrosion, leading to increased durability and cost savings.



Image: Shows the hidden display feature, where the temperature is only visible when the unit is operating, eliminating the need to reach for the remote to check the temperature.



Image: Compares Carrier's stabilizer-free AC with a normal AC requiring an external stabilizer, emphasizing maintained home aesthetics.



Image: Illustrates the Aqua Clear Protection for exceptional protection from corrosion in outdoor units.



Image: Highlights the eco-friendly R32 refrigerant, noting its zero ozone depleting potential, high efficiency, F-gas phase down compliance, less refrigerant volume per Kg, and low global warming potential.



Image: Focuses on the 100% copper tubes with inner grooved design for long-term durability and lower maintenance costs.



Image: Shows the Auto Cleanser feature, which automatically disinfects and cleanses the indoor unit for fresh air.



Image: Diagram detailing the 5 sensors (Ambient Sensor - Indoor/Outdoor, Evaporator Sensor, Condenser Out Sensor, Discharge Sensor) installed for maximum safety and non-stop cooling performance.

4. Setup

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

Pre-Installation Checklist:

- Ensure the installation location is suitable for both indoor and outdoor units, considering space, drainage, and power access.
- Verify that the power supply meets the unit's requirements (230 Volts AC, 1590 Watts).
- Confirm that all included components are present.

Installation Steps (Overview - Professional Installation Recommended):

1. **Indoor Unit Placement:** Select a location that allows for even air distribution and easy drainage. Ensure sufficient space around the unit for maintenance.
2. **Outdoor Unit Placement:** Choose a well-ventilated area, away from direct sunlight and heat sources. Ensure proper clearance for airflow.
3. **Piping Connection:** Connect the interconnecting pipes between the indoor and outdoor units. Ensure proper insulation and leak-free connections.
4. **Electrical Wiring:** Connect the power supply and control wiring according to the wiring diagram provided in the full installation manual.
5. **Drainage Pipe Installation:** Install the drainage pipe to ensure proper removal of condensed water from the indoor unit.
6. **Vacuuming and Refrigerant Charging:** Evacuate the system to remove air and moisture, then charge with the correct amount of R32 refrigerant.
7. **Test Run:** Perform a test run to ensure all functions are operating correctly and there are no leaks.

5. Operating Instructions

Your Carrier AC unit is designed for user-friendly operation via the remote control.

Remote Control Functions:

The remote control allows you to adjust various settings.

- **Power Button:** Turns the unit ON/OFF.
- **Mode Button:** Cycles through operating modes (Cool, Fan, Dry, Auto).
- **Temperature Adjustment:** Use UP/DOWN arrows to set desired temperature.
- **Fan Speed:** Adjusts fan speed (Auto, Low, Medium, High).
- **Swing Button:** Controls the vertical louver swing.
- **Turbo Mode:** Activates maximum cooling for rapid temperature reduction.
- **Flexicool (4-in-1) Button:** Adjusts cooling capacity (tonnage) to optimize energy consumption based on ambient conditions. Refer to the "Personalized Cooling" image in Product Overview for details.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep and energy saving.
- **Timer Function:** Sets the unit to turn ON/OFF automatically after a set period.

Basic Operation:

1. **Turn On:** Press the Power button.
2. **Select Mode:** Press the Mode button until the desired mode (e.g., Cool) is selected.
3. **Set Temperature:** Use the temperature adjustment buttons to set your preferred room temperature.
4. **Adjust Fan Speed:** Press the Fan Speed button to select the desired airflow.
5. **Turn Off:** Press the Power button again.



Image: Close-up of the indoor unit, showing the "AI" and "Flexicool" branding, indicating advanced features.

6. Maintenance

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

Air Filter Cleaning:

The air filters should be cleaned every two weeks or more frequently depending on usage and air quality.

1. Turn off the AC unit and disconnect power.
2. Open the front panel of the indoor unit.
3. Gently remove the air filters.
4. Clean the filters using a vacuum cleaner or wash them with lukewarm water and a mild detergent.
5. Rinse thoroughly and allow them to dry completely in a shaded area before re-installing.
6. Close the front panel.

Outdoor Unit Cleaning:

The outdoor unit's coils and fins should be kept clean to ensure efficient heat exchange.

- Turn off the AC unit and disconnect power.
- Carefully remove any debris (leaves, dust, etc.) from the outdoor unit's fins using a soft brush or vacuum.
- Do not bend the fins. If they are bent, gently straighten them with a fin comb.
- For deeper cleaning, it is recommended to contact a professional service technician.

Auto Cleanser Function:

Utilize the Auto Cleanser feature to automatically disinfect and cleanse the indoor unit. Refer to your remote control or full manual for activation steps.

Professional Servicing:

It is recommended to have your AC unit professionally serviced at least once a year by a qualified technician. This includes checking refrigerant levels, electrical connections, and overall system performance.

7. Troubleshooting

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

Problem	Possible Cause	Solution
AC not turning on	No power supply	Check power cord, circuit breaker, and wall outlet.
Insufficient cooling	Dirty air filters	Clean air filters.
Insufficient cooling	Blocked outdoor unit	Clear obstructions around the outdoor unit.

Problem	Possible Cause	Solution
Insufficient cooling	Doors/windows open	Ensure all doors and windows are closed.
Insufficient cooling	Temperature setting too high	Lower the set temperature.
Unusual noise	Loose parts or foreign objects	Turn off the unit and inspect for loose parts. If noise persists, contact service.
Water leakage from indoor unit	Clogged drain pipe	Check and clear the drain pipe.
Remote control not working	Dead batteries	Replace batteries.
Remote control not working	Obstruction between remote and unit	Ensure clear line of sight.

If the problem persists after attempting these solutions, please contact Carrier customer support.

8. Specifications

Feature	Detail
Brand	Carrier
Model	CAI18ES3R32F0
Energy Efficiency	3 Star
Capacity	1.5 Tons
Annual Energy Consumption	999.69 Kilowatt Hours Per Year
Noise Level	37 dB
Installation Type	Split System
Form Factor	Mini-Split
Special Features	Dust Filter, Air Purification Filter, Dehumidifier
Colour	White
Control Console	Remote Control
Voltage	230 Volts (AC)
Wattage	1590 Watts
Certification	Energy Star
Material	Copper

Feature	Detail
Item Weight	10 kg 300 g (Indoor Unit)
Item Dimensions (Indoor Unit)	20.5D x 94W x 27.5H Centimeters
Product Dimensions (Outdoor Unit)	28D x 79W x 54H Centimeters
Refrigerant	R32
Date First Available	11 July 2022



Image: Detailed view of the indoor unit with measurements for length, width, and height.

9. Warranty and Support

Warranty Information:

Your Carrier 1.5 Ton 3 Star Inverter Split AC comes with the following manufacturer's warranty:

- **1 year** on the product.
- **5 years (1+4)** on the PCB (Printed Circuit Board).
- **10 years** on the compressor.

Please retain your purchase receipt for warranty claims. Warranty terms and conditions apply.

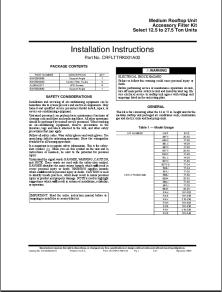
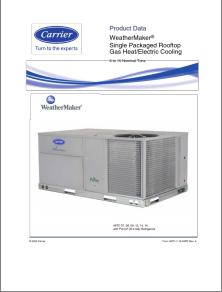
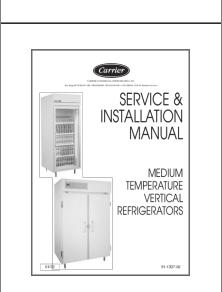
Customer Support:

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

You can also visit the official Carrier store on Amazon for more information:[Carrier Store](#).

Related Documents - CAI18ES3R32F0

	<p><u>Carrier 25HCS3 Comfort Series Heat Pump Wiring Diagrams - 1.5 to 5 Tons</u> Comprehensive wiring diagrams for the Carrier 25HCS3 Comfort Series Heat Pump, covering models from 1 1/2 to 5 nominal tons using Puron® refrigerant. Includes connection diagrams, schematic diagrams (ladder form), a detailed legend of components and wiring, important notes, and DIP switch settings for defrost cycle configuration.</p>
	<p><u>Carrier CRFLTTRK001A00 Medium Rooftop Unit Accessory Filter Kit Installation Instructions</u> Detailed installation instructions for the Carrier CRFLTTRK001A00 accessory filter kit, designed for medium rooftop units (12.5 to 27.5 tons). Includes package contents, safety precautions, general information, model compatibility, and step-by-step installation procedures.</p>
	<p><u>Carrier WeatherMaker® 48TC Rooftop HVAC: Gas Heat/Electric Cooling Product Data</u> Explore the Carrier WeatherMaker® 48TC series of packaged rooftop units, offering gas heat and electric cooling for 6 to 15 nominal tons. This product data document details specifications, performance, options, and applications for efficient commercial HVAC solutions.</p>
	<p><u>Carrier 30BAW Series Water-Cooled Scroll Chillers (18-50 Ton) - Technical Specifications and Features</u> Detailed technical specifications, features, and diagrams for the Carrier 30BAW Series of water-cooled scroll chillers, ranging from 18 to 50 tons. Includes model nomenclature, general features, compressor details, heat exchanger information, protection functions, wiring diagrams, piping diagrams, dimensions, and unit conversions.</p>
	<p><u>Carrier Medium Temperature Vertical Refrigerators Service & Installation Manual</u> This comprehensive manual provides essential information for the service and installation of Carrier Medium Temperature Vertical Refrigerators. It details handling procedures, electrical and refrigeration specifications, troubleshooting guides, maintenance procedures, and parts lists for various models, ensuring optimal performance and longevity.</p>
	<p><u>Carrier Air Conditioner Owner's Manual</u> Comprehensive owner's manual for Carrier split-type air conditioners (models 42TVDA series), covering safety precautions, operation, maintenance, and troubleshooting.</p>

