Carrier CAI18CL3R34F0

Carrier 1.5 Ton 3 Star X-Line LED Flexicool Inverter Split AC User Manual

Model: CAI18CL3R34F0

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Carrier 1.5 Ton 3 Star X-Line LED Flexicool Inverter Split AC. Please read this manual thoroughly before using the appliance and retain it for future reference.

2. Safety Information

Always follow basic safety precautions to reduce the risk of fire, electric shock, or injury. This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

- 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.
- Turn off the power supply before cleaning or performing maintenance.
- Use only the specified refrigerant (R32).

3. Product Overview

Your Carrier X-Line LED Flexicool Inverter Split AC is designed for optimal cooling and energy efficiency. Key features include:

- **Flexicool Inverter Technology:** Variable speed compressor adjusts power based on heat load, offering 6-in-1 convertible cooling capacity and up to 50% energy savings.

- **X-Line LED Design:** India's first X-LED design for sleek aesthetics and advanced functionality.
- **Smart Energy Display:** Allows checking operating temperature and energy consumption directly on the unit.
- **Dual Filtration:** Equipped with HD & PM 2.5 Filter for improved air quality.
- **100% Copper Condenser Coil with Aqua Clear Protection:** Prevents rust and corrosion, ensuring better cooling and low maintenance.
- **Hydro Blue Coating:** Protects coil and fin against corrosion for long-term durability.
- **Auto Cleanser:** Automatically disinfects and cleans the indoor unit.
- **Stabilizer Free Operation:** Works efficiently within a voltage range of 135V to 280V.
- **Refrigerant Leakage Detector:** Enhances safety by detecting refrigerant leaks.
- **High Ambient Working:** Designed to cool effectively even at 55°C ambient temperatures.

Components Included:

- 1N Indoor Unit
- 1N Outdoor Unit
- 1N Remote Control
- 1 set Copper Installation pipe (3 Meter)
- 1N Interconnecting wire
- 4N User Manual (this document)

4. Setup and Installation

Professional installation is highly recommended for your Carrier Split AC to ensure proper functioning and safety. The installation process typically involves mounting the indoor and outdoor units, connecting refrigerant pipes and electrical wiring, and vacuuming the system.

Key Installation Considerations:

- **Location:** Choose a location for the indoor unit that allows for even air distribution and easy access for maintenance. The outdoor unit should be placed in a well-ventilated area, away from direct sunlight or obstructions.
- **Electrical Connection:** Ensure the power supply meets the specifications of the unit (230 Volts). The unit supports stabilizer-free operation within 135V to 280V.
- **Drainage:** Proper drainage for condensate water from the indoor unit is crucial to prevent leaks.
- **Refrigerant Piping:** The included 3-meter copper installation pipe should be correctly connected to both units.

Figure 4.1: Front view of the Carrier 1.5 Ton AC Indoor Unit.

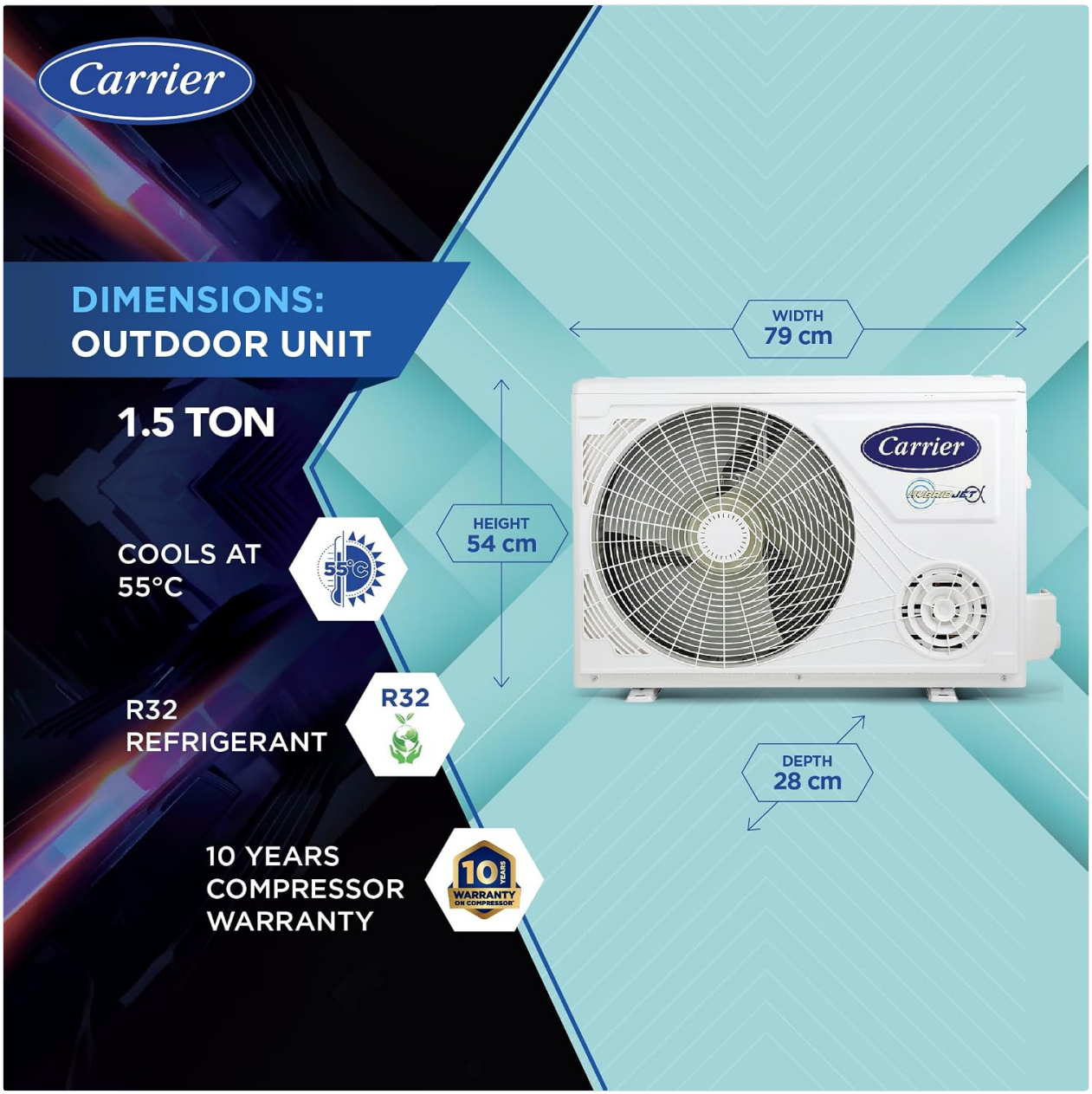

Figure 4.2: Side view of the Carrier 1.5 Ton AC Indoor Unit.

Figure 4.3: Back view of the Carrier 1.5 Ton AC Indoor Unit.

Figure 4.4: Indoor unit dimensions (Width 94 cm, Height 27.5 cm, Depth 20.5 cm) and features like Auto Cleanser, Auto Swing, and HD Filter.

Figure 4.5: Outdoor unit dimensions (Width 79 cm, Height 54 cm, Depth 28 cm) and features including cooling at 55°C, R32 Refrigerant, and 10 years compressor warranty.

5. Operating Instructions

Your AC unit can be controlled using the provided remote control. Familiarize yourself with the remote's functions for optimal use.

Operating Modes:

- **Cool Mode:** Provides cooling. Adjust temperature and fan speed as desired.
- **Dry Mode:** Reduces humidity in the room.

- **Auto Mode:** The unit automatically selects the operating mode (Cool, Dry, Fan) based on the room temperature.
- **Fan Mode:** Circulates air without cooling.

Special Functions:

- **Flexicool Convertible 6-in-1:** Allows you to manually adjust the cooling capacity to suit your needs, saving energy. Refer to the remote control for specific settings.
- **Smart Energy Display:** The X-Line LED display on the indoor unit shows the current operating temperature and energy consumption in real-time. This display can be hidden for a sleek look.
- **Follow Me Function:** The remote control has a temperature sensor that allows the AC to adjust cooling based on the temperature at the remote's location.
- **Auto On/Off Timer:** Set specific times for the unit to turn on or off automatically.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep and energy saving.
- **Auto Restart:** In case of a power outage, the unit will automatically restart with the previous settings once power is restored.
- **4 Fan Speed:** Choose from multiple fan speeds for personalized comfort.
- **XCEL LUMO EXI:** Refers to the advanced LED display and design.

Figure 5.1: The X-Line LED design of the indoor unit.

Figure 5.2: Illustration of the hidden display and smart energy display feature.

Figure 5.3: Flexicool 6-in-1 technology offering personalized cooling and energy savings, shown with the remote control.

6. Maintenance

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

Filter Cleaning:

The unit is equipped with an HD Filter and PM 2.5 Filter. These filters should be cleaned regularly (e.g., every two weeks or as needed) to maintain air quality and cooling efficiency. Refer to the indoor unit's manual for specific instructions on how to remove and clean the filters.

Auto Cleanser Function:

Activate the Auto Cleanser function periodically. This feature automatically disinfects and cleans the indoor unit's coil, preventing mold and bacteria growth and ensuring fresh, clean air.

Figure 6.1: The Auto Cleanser feature automatically cleans the indoor unit for fresh air.

Coil Protection:

- **Aqua Clear Protection:** The 100% copper condenser coil is treated with Aqua Clear Protection to prevent rust and corrosion, extending the life of the outdoor unit.

- **Hydro Blue Coating:** The indoor unit's coil and fins are protected by a Hydro Blue Coating, which further enhances durability and protects against corrosion.

Figure 6.2: Aqua Clear Protection provides exceptional protection from corrosion for the outdoor unit.

Figure 6.3: Hydro Blue Coating ensures long-term durability by protecting the coil and fin against corrosion.

7. Troubleshooting

Before contacting customer support, please check the following common issues:

Problem	Possible Cause	Solution
AC not turning on	No power supply, remote batteries dead	Check circuit breaker, replace remote batteries
Insufficient cooling	Dirty air filters, blocked outdoor unit, wrong mode selected, room too large	Clean filters, clear obstructions, select Cool mode, ensure room size is appropriate (up to 150 sq. ft.)
Unusual noise	Loose parts, foreign objects, refrigerant flow noise	Contact service if persistent or loud. Some noises (e.g., gurgling) are normal.
Water leakage from indoor unit	Blocked drain pipe, improper installation	Check drain pipe for blockages. If issue persists, contact service.
Error code on display	System malfunction	Note the error code and contact customer support.
Intelligent CRF Alert	Indicates a need for filter cleaning or maintenance.	Clean air filters as per maintenance instructions.
Refrigerant Leakage Detector activated	Potential refrigerant leak.	Immediately turn off the unit and contact qualified service personnel.

8. Specifications

Specification	Value
Brand	Carrier
Model Number	CAI18CL3R34F0
Capacity	1.5 tons
Cooling Power	5050 Kilowatts
Energy Rating	3 Star (BEE)
ISEER Value	3.91

Specification	Value
Annual Energy Consumption	999.69 Kilowatt Hours Per Year
Refrigerant	R-32
Indoor Unit Dimensions (D x W x H)	20.5D x 94W x 27.5H Centimeters
Outdoor Unit Dimensions (D x W x H)	28D x 79W x 54H Centimeters (Approx. based on product description)
Item Weight	35800 Grams (Total)
Noise Level	37 Decibels
Compressor Type	Rotary Scroll
Core Material	Copper
Voltage	230 Volts
Wattage	1590 KW
Filter Type	Pre-Filter (HD & PM 2.5 Filter)
Control Method	Remote Control

Figure 8.1: Power Savings Guide indicating 3 Star energy rating for maximum cooling and minimum consumption.

9. Warranty Information

Your Carrier Split AC comes with the following warranty:

- **1 Year** on the product.
- **5 Years** on the PCB (Printed Circuit Board).
- **10 Years** on the compressor.

Terms and Conditions apply. Warranty repairs for defects attributed to installation may be charged by the Brand. Please refer to the official Carrier service network for details.

10. Customer Support

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

- **Manufacturer:** Carrier Midea India Private Limited
- **Customer Care Number:** 18001033333

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