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Hitachi RAS.G518PCAISF

Hitachi 1.5 Ton 5 Star Inverter Split AC User Manual

Model: RAS.G518PCAISF

1. Introduction

This manual provides essential information for the safe and efficient operation of your Hitachi 1.5 Ton 5 Star ice Clean Xpandable Plus Inverter Split AC. Please read it thoroughly before installation and use, and keep it for future reference.



Image 1.1: Front view of the Hitachi Inverter Split AC indoor unit.

2. Safety Information

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

- Ensure professional installation by qualified personnel.
- Do not attempt to repair or modify the unit yourself. Contact authorized 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, which is environmentally friendly but flammable. Handle with care.

3. Product Overview and Components

Your Hitachi Split AC system consists of an indoor unit, an outdoor unit, and a remote control.

3.1 Indoor Unit (IDU)

The indoor unit is designed for quiet operation and efficient air distribution within your room. It features a sleek Dual Platinum color finish.



Image 3.1: The indoor unit showcasing its Dual Platinum color.

Dimensions (LxWxH): 95 cm x 23.5 cm x 29.4 cm.



Image 3.2: Detailed dimensions of the indoor unit.

3.2 Outdoor Unit (ODU)

The outdoor unit houses the inverter compressor and condenser coil, responsible for heat exchange. It is built with 100% copper coils for better cooling and durability.

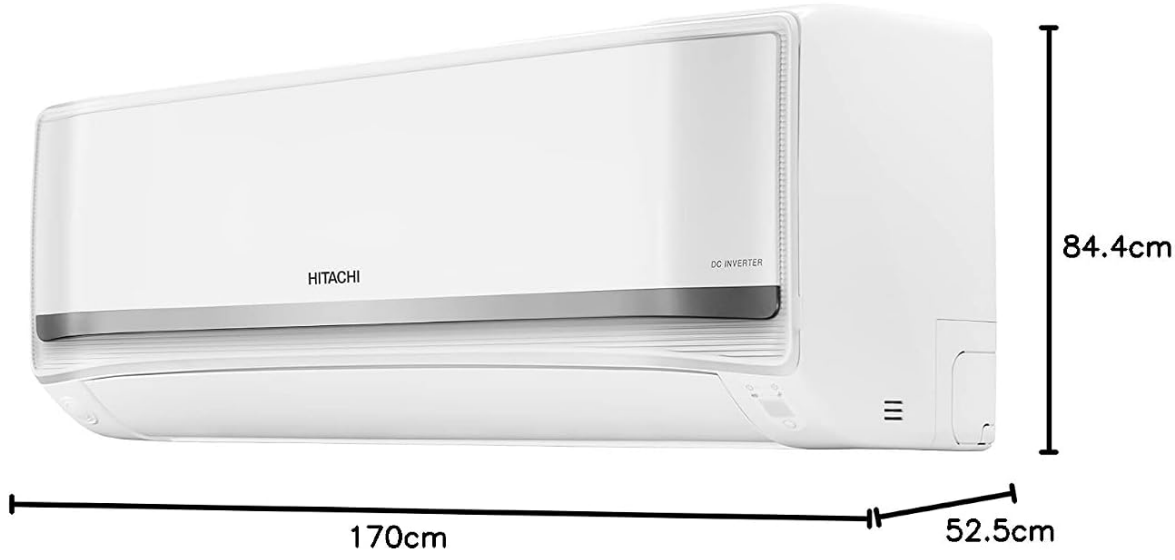


Image 3.3: The outdoor unit of the Hitachi Split AC.

Dimensions (LxWxH): 75 cm x 29 cm x 55 cm.



Image 3.4: Detailed dimensions of the outdoor unit.

3.3 Remote Control

The LCD remote control allows you to manage all functions of your AC. It features an intuitive layout for easy operation.

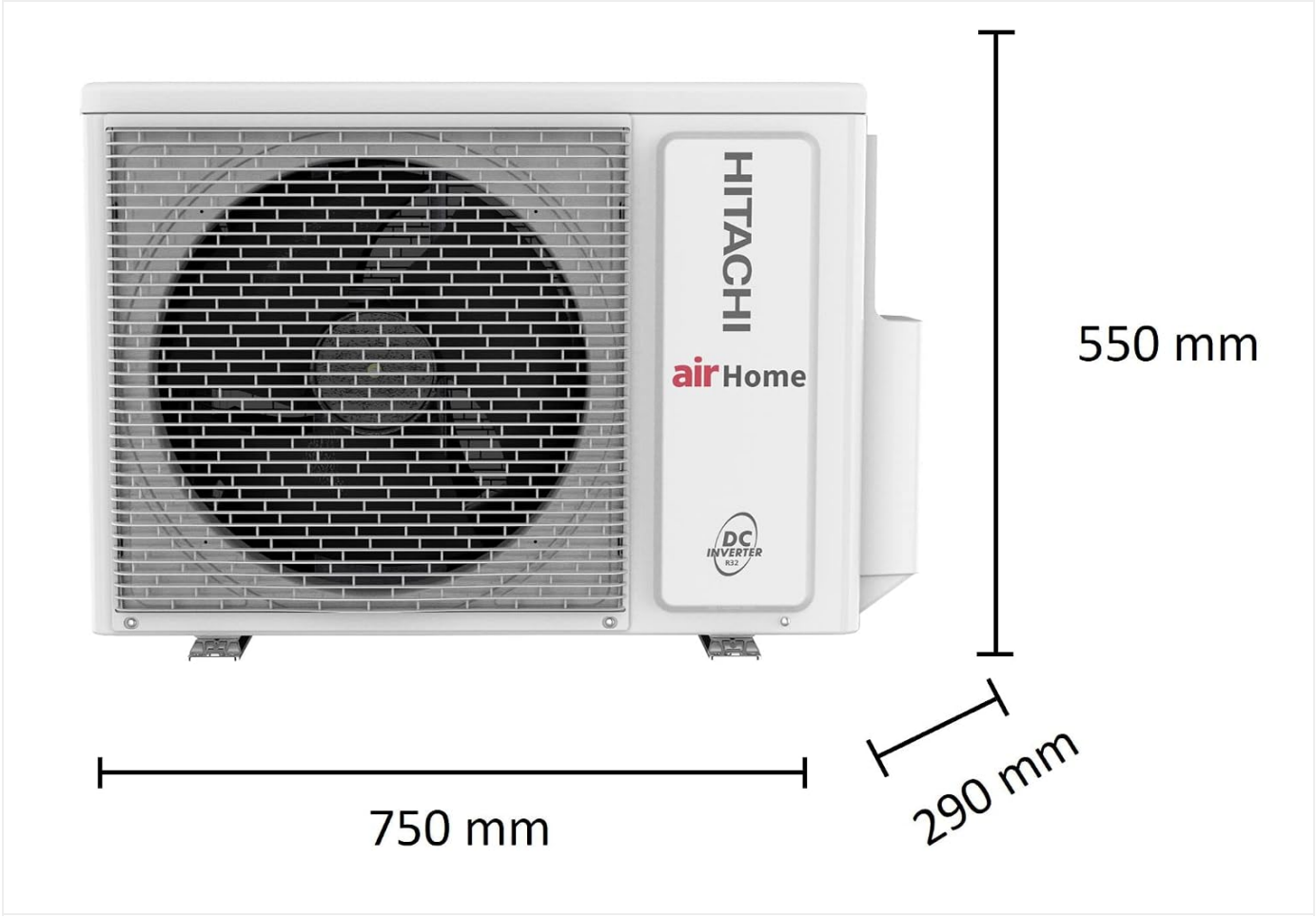


Image 3.5: The remote control for the Hitachi Split AC.

4. Setup and Installation

Installation of this split AC unit requires specialized tools and knowledge. It is strongly recommended to have the unit installed by a certified Hitachi service technician to ensure proper functioning and to validate your warranty.

4.1 Pre-Installation Checks

- Ensure the installation location can support the weight of both units.
- Verify that the electrical supply meets the unit's requirements (230 Volts).
- Confirm adequate space for air circulation around both indoor and outdoor units.

4.2 Initial Power-Up

After professional installation, the technician will guide you through the initial power-up. Ensure all connections are secure and the unit is properly grounded before turning on the main power supply.

5. Operating Instructions

Familiarize yourself with the remote control functions to optimize your comfort.

5.1 Basic Operation Modes

- **Cool Mode:** For cooling the room. Adjust temperature using the**Temp +/-** buttons.
- **Fan Mode:** Circulates air without cooling. Fan speed can be adjusted.
- **Dry Mode:** Reduces humidity in the room, ideal for humid conditions.

- **Auto Mode:** The AC automatically selects the appropriate mode (Cool, Fan, Dry) based on the room temperature.

5.2 Special Features

- **ice Clean (FrostWash):** This feature automatically cleans the indoor unit's coil by freezing and then thawing the ice, washing away dust and dirt. This helps maintain clean air and efficiency.



Image 5.1: Illustration of the ice Clean (FrostWash) function.

- **Xpandable+:** This technology allows the AC to expand its cooling capacity when needed, providing faster cooling and better performance even in extreme temperatures (up to 52°C). It also contributes to power savings and higher humidity removal.



Image 5.2: Benefits of Xpandable+ technology, including increased cooling capacity and power savings.

- **Hexa Sensor:** An advanced sensor system that detects various parameters to optimize cooling and energy

efficiency.

- **Ambience Light:** Provides visual feedback on the room's ambience or AC status.
- **My Mode:** Allows you to save your preferred settings for quick recall.
- **SuperFine Mesh Filter:** An advanced filter designed to capture fine dust particles, ensuring cleaner air.
- **Auto Restart:** In case of a power outage, the unit will automatically restart with the last settings once power is restored.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your AC unit.

6.1 Filter Cleaning

The SuperFine Mesh Filter should be cleaned regularly (e.g., every two weeks or as indicated by the Filter Clean Indicator) to maintain air quality and cooling efficiency.

1. Turn off the AC and disconnect power.
2. Open the front panel of the indoor unit.
3. Carefully remove the air filters.
4. Clean the filters with a vacuum cleaner or wash them gently with lukewarm water. Allow them to dry completely in a shaded area.
5. Reinstall the dry filters and close the front panel.

6.2 General Care

- Wipe the indoor unit's surface with a soft, dry cloth. For stubborn stains, use a damp cloth with mild detergent, then wipe dry.
- Do not use harsh chemicals, abrasives, or solvents.
- Ensure the outdoor unit is free from debris, leaves, and other obstructions.
- Schedule annual professional servicing to check refrigerant levels, clean coils, and inspect electrical components.

7. Troubleshooting

Before contacting service, check the following common issues:

Problem	Possible Cause	Solution
AC not turning on	No power supply; remote control batteries dead.	Check circuit breaker; replace remote batteries.
Insufficient cooling	Dirty air filters; windows/doors open; room too large.	Clean filters; close windows/doors; ensure room size is within capacity (150-180 Sq.Ft.).
Unusual noise	Loose parts; obstruction in fan; unit not level.	Turn off and inspect; contact service if noise persists.
Water leakage from indoor unit	Clogged drain pipe; improper installation.	Contact professional service.

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

8. Specifications

Feature	Detail
Brand	Hitachi
Model	RAS.G518PCAISF
Energy Efficiency	5 Star (ISEER 5.02)
Capacity	1.5 Tons (18000 British Thermal Units)
Annual Energy Consumption	813.13 Kilowatt Hours
Noise Level	34 dB
Installation Type	Split System
Special Features	Odour-free air, ice Clean (FrostWash), Xpandable+, Hexa Sensor, Ambience Light
Colour	Dual Platinum
Control Console	Remote Control
Voltage	230 Volts
Wattage	1385 KW
Material	Copper (100% Inner Grooved Copper Tube)
Included Components	Installation Kit, Manual, Remote, IDU, ODU
Item Weight	39 kg 400 g
Indoor Unit Dimensions (LxWxH)	95 x 23.5 x 29.4 Centimeters
Outdoor Unit Dimensions (LxWxH)	75 x 29 x 55 Centimeters
Refrigerant Type	R32 (Green Refrigerant)



Image 8.1: Energy Efficiency Guide for the Hitachi AC, showing 5-star rating and ISEER value.

9. Warranty and Support

Your Hitachi AC comes with a comprehensive warranty:

- **Comprehensive Product Warranty:** 1 Year
- **Compressor Warranty:** 10 Years
- **PCB/Controller Warranty:** 5 Years

For service requests, technical assistance, or any queries, please contact Hitachi Customer Care:

Customer Care Number: 7567884848

Email: customercare@jci-hitachi.com

Manufacturer Address: JCH-IN., Hitachi Complex, Karannagar, Kadi. Dist. Mehsana- 382715. Gujarat. India.

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