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Hitachi RAS.G518PCCIBT

Hitachi 1.5 Ton 5 Star Xpandable+ Inverter Split AC

Model: RAS.G518PCCIBT User Manual

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Hitachi 1.5 Ton 5 Star Xpandable+ Inverter Split AC. Please read this manual thoroughly before using the air conditioner and retain it for future reference.

2. Safety Information

Always follow basic safety precautions to reduce the risk of fire, electric shock, or injury.

- Ensure the air conditioner is installed by a qualified technician.
- Do not operate the unit with wet hands.
- Do not insert objects into the air outlet or inlet.
- Turn off the power supply before cleaning or performing maintenance.
- Keep children away from the unit.
- Use only the specified refrigerant (R32).

3. Product Overview

The Hitachi 1.5 Ton 5 Star Xpandable+ Inverter Split AC consists of an indoor unit, an outdoor unit, and a remote control. Key features include a variable speed inverter compressor, 4-Way Swing, ice Clean technology, and a SmartView Display.



Image 3.1: Hitachi 1.5 Ton Split AC Indoor Unit. This image shows the white indoor unit with a digital display indicating '24s' and labels for 'Auto Convertible AC', '4 Way Swing', and 'ice Clean FrostWash Technology'.



Image 3.2: Indoor and Outdoor Units with Dimensions. The indoor unit measures 95cm (width), 29.4cm (height), and 23.5cm (depth). The outdoor unit measures 75cm (width), 55cm (height), and 29cm (depth). An energy savings guide is also visible.

4. Setup and Installation

4.1 What's in the Box

- 1 Indoor Unit
- 1 Outdoor Unit
- Inter Connecting Copper Pipe (3m length)
- 1 Remote Control
- 2 Batteries for Remote
- Drain Pipe

4.2 Installation Guidelines

Professional installation is highly recommended for optimal performance and safety. Refer to the separate installation

manual provided with the product for detailed instructions. Ensure the outdoor unit is placed in a well-ventilated area and the indoor unit is positioned for effective air distribution.

5. Operating Instructions

5.1 Remote Control Functions

The remote control allows you to manage all functions of your Hitachi AC. Point the remote control towards the indoor unit when operating.



Image 5.1: Smart View Display. The indoor unit features a SmartView Display with modes for Bright, Dim, and Off, allowing adjustment of display brightness.

5.2 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 cooling, fan, dry, and auto modes.
- **Temperature Adjustment:** Use the up/down arrows to set your desired temperature.

- **Fan Speed:** Adjust the fan speed (low, medium, high, auto) using the fan speed button.
- **4-Way Swing:** Activate the 4-Way Swing function for uniform air distribution throughout the room.

5.3 Special Features

- **Xpandable+ Technology:** This feature automatically adjusts the compressor's RPM based on the heat load, providing up to 110% cooling capacity, 35% higher humidity removal, and 30% faster cool-down time when needed.



Image 5.2: Xpandable+ Technology. This diagram illustrates how the AC automatically adjusts and expands its cooling capacity based on ambient conditions.

- **ice Clean (FrostWash Technology):** This function cleans the indoor unit coil by freezing it to capture dust, then melting the frost to wash away impurities, followed by a drying cycle. This helps maintain airflow performance and reduces viruses, bacteria, and mold.



Image 5.3: ice Clean Powered by FrostWash Technology. This image shows the three steps: 1. Freeze (condenses moisture, captures dust), 2. Melt (frost melts, dust slips), 3. Dry (blower dries the coil).



Image 5.4: Cool, Comfort & Clean Air. Demonstrates 3X better airflow performance and removal rates for viruses (99.0%), bacteria (99.0%), and mold (95.0%).

- **Long Air Throw:** Designed to cool larger spaces and distribute air uniformly to every corner of the room, resulting in faster cooling and reduced energy consumption.



Image 5.5: Long Air Throw Benefits. Illustrates how the air conditioner projects cool air across a wide area, ensuring uniform cooling.

- **Penta Sensor Technology:** Advanced sensors optimize cooling performance and energy efficiency.
- **Anti Bacterial Mesh Filter:** Helps filter out dust and inhibits bacterial growth.
- **Silent Air:** Operates with low noise levels for a comfortable environment.

6. Maintenance

6.1 Filter Cleaning

Regularly clean the anti-bacterial mesh filter to maintain air quality and cooling efficiency. The unit features a Filter Clean Indicator to remind you when cleaning is due.

1. Turn off the air conditioner and disconnect the power supply.
2. Open the front panel of the indoor unit.
3. Remove the air filters.
4. Clean the filters with a vacuum cleaner or wash them with lukewarm water.
5. Allow filters to dry completely before reinstalling.

6. Close the front panel.

6.2 ice Clean Function

Utilize the ice Clean function (FrostWash Technology) periodically to automatically clean the indoor coil. Refer to the remote control section for activating this feature.

6.3 Outdoor Unit Maintenance

The outdoor unit has an anti-corrosive coating for durability. Keep the area around the outdoor unit clear of obstructions to ensure proper airflow. Periodically clean any debris from the outdoor unit's fins.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Unit does not turn on	No power, remote batteries low	Check power supply, replace remote batteries
Insufficient cooling	Dirty filters, blocked outdoor unit, wrong mode	Clean filters, clear obstructions, select 'Cool' mode
Unusual noise	Loose parts, foreign objects	Turn off and inspect, contact service if persistent
Water leakage	Blocked drain pipe, improper installation	Check drain pipe, contact installer

8. Specifications

Feature	Detail
Brand	Hitachi
Model	RAS.G518PCCIBT
Capacity	1.5 Tons
Energy Efficiency	5 Star (ISEER Value: 5)
Annual Energy Consumption	774.58 Kilowatt Hours
Noise Level	34 dB
Refrigerant Gas	R32 (Environmental Friendly)
Condenser Coil	100% Copper tubes with Nano Tech Ultra coating
Special Features	4 Way Swing, Long air throw, SmartView Display, Xpandable+ Technology, ice Clean powered by FrostWash Technology, Penta Sensor Technology
Cooling Power	17060 British Thermal Units
Voltage	230 Volts

Feature	Detail
Wattage	1335 Watts
Indoor Unit Dimensions (WxHxD)	95 cm x 29.4 cm x 23.5 cm
Outdoor Unit Dimensions (WxHxD)	75 cm x 55 cm x 29 cm
Indoor Unit Weight	10 Kg
Outdoor Unit Weight	28.5 Kg

9. Warranty and Support

9.1 Warranty Information

Your Hitachi air conditioner comes with the following manufacturer's warranty:

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

The brand warranty can be availed using your purchase invoice.



Image 9.1: 5 Year Comprehensive Warranty. This image highlights the extensive warranty coverage for the product.

9.2 Customer Support

For any service requests, queries, or support, please contact Hitachi customer care:

- **Customer Care No.:** 7567884848
- **Email:** customercare@jci-hitachi.com

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

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