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> Hitachi 1.5 Ton 5 Star Inverter Split AC User Manual (Model: RAS.Y518PCAISL)

## Hitachi RAS.Y518PCAISL

# Hitachi 1.5 Ton 5 Star Inverter Split AC User Manual

Model: RAS.Y518PCAISL

## INTRODUCTION

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This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Hitachi 1.5 Ton 5 Star Inverter Split Air Conditioner, model RAS.Y518PCAISL. Please read this manual thoroughly before using the appliance and retain it for future reference.

## IMPORTANT SAFETY INFORMATION

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Always follow basic safety precautions to reduce the risk of fire, electric shock, or injury. This appliance is intended for household use only. Only qualified personnel should perform installation, repair, or maintenance.

- Ensure the power supply matches the unit's requirements.
- Do not operate the AC with wet hands.
- Keep children away from the unit.
- Do not insert objects into the air outlet.
- Turn off the power before cleaning or maintenance.
- Use only specified refrigerants (R32).

## PRODUCT OVERVIEW

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The Hitachi RAS.Y518PCAISL is a 1.5 Ton, 5 Star rated inverter split air conditioner designed for efficient cooling. It features a 100% copper condenser coil, a dust filter, and uses R32 green refrigerant.



Figure 1: Front view of the Hitachi 1.5 Ton Inverter Split AC indoor unit.

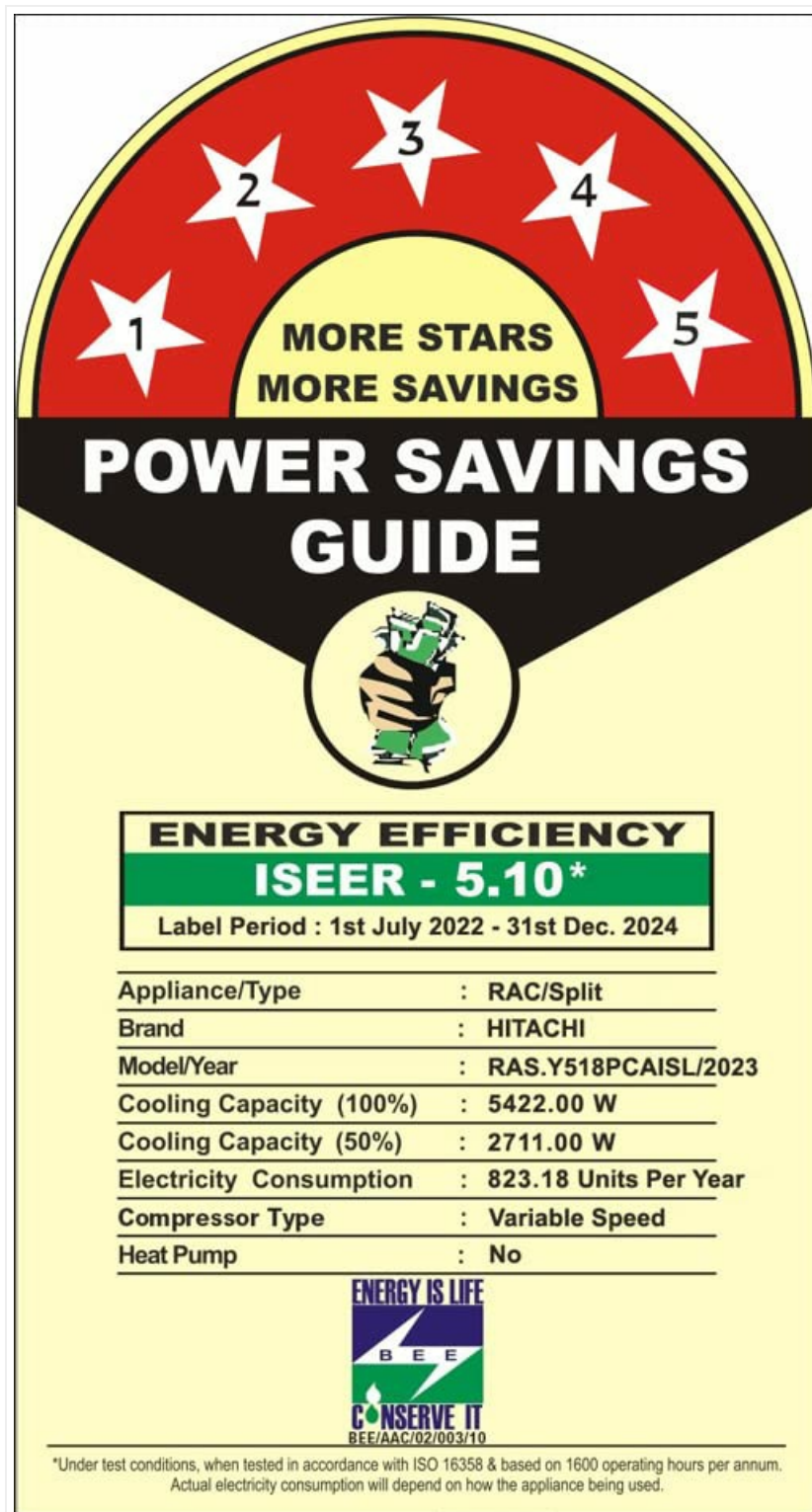


Figure 2: Front view of the Hitachi 1.5 Ton Inverter Split AC outdoor unit.



Figure 3: Energy Efficiency Label (ISEER - 5.10) for the Hitachi RAS.Y518PCAISL AC.

## SETUP AND INSTALLATION

Installation of this air conditioner requires specialized skills and tools. It is strongly recommended that you contact an authorized Hitachi service center or a qualified technician for installation to ensure proper functioning and safety.

### Package Contents:

- Indoor Unit (IDU)
- Outdoor Unit (ODU)
- Remote Control
- Installation Kit
- User Manual (this document)

### Unit Dimensions:

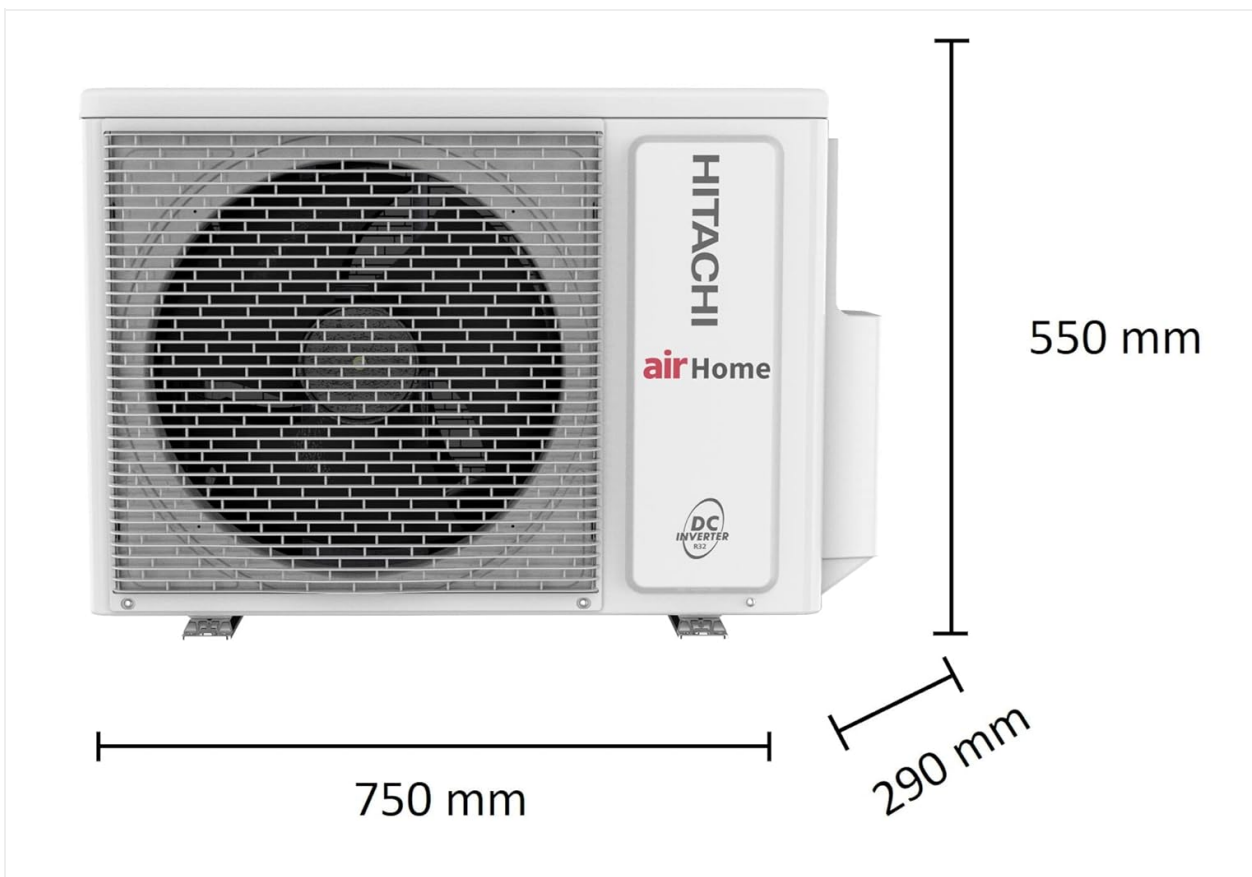


Figure 4: Indoor unit dimensions (approx. 1050mm width, 294mm height, 255mm depth).



Figure 5: Outdoor unit dimensions (approx. 750mm width, 550mm height, 290mm depth).

Ensure adequate space for air circulation around both indoor and outdoor units as per installation guidelines provided by the technician.

## OPERATING INSTRUCTIONS

Your Hitachi AC comes with a remote control for convenient operation. Familiarize yourself with the remote's functions to utilize all features effectively.



Figure 6: The remote control for the Hitachi Inverter Split AC, featuring an LCD display and various function buttons.

### Basic Operation Modes:

- **Cool Mode:** For cooling the room. Adjust temperature using the remote.
- **Fan Mode:** Circulates air without cooling. Fan speed can be adjusted.
- **Dry Mode:** Reduces humidity in the room.
- **Auto Mode:** The AC automatically selects the appropriate mode (Cool, Fan, Dry) based on the room temperature.

### Advanced Features:

- **Inverter Compressor:** Adjusts power based on heat load for energy efficiency.
- **Fast Cooling:** Provides rapid cooling when activated.
- **Anti Bacterial Filter:** Helps in maintaining air quality.
- **Dehumidifier:** Integrated function for humidity control.
- **Auto Restart:** The unit restarts with previous settings after a power outage.
- **My Mode:** Allows you to save and recall your preferred operating settings with a single button.

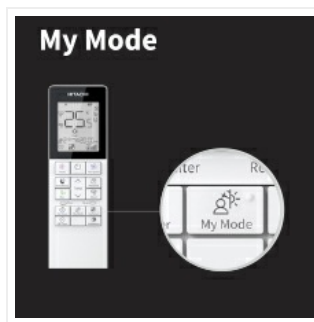


Figure 7: The 'My Mode' button on the remote control for personalized settings.

- **Ambiance Light:** An indicator light on the indoor unit that provides visual feedback.

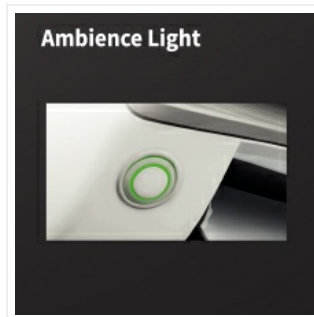


Figure 8: Close-up of the Ambiance Light feature on the indoor unit.

- **Hexa Sensor:** Advanced sensor technology for optimized performance.

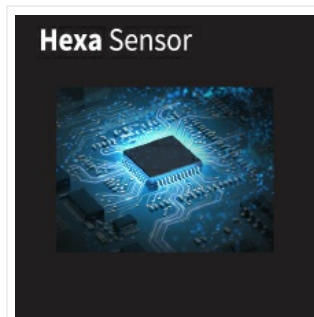


Figure 9: Diagram illustrating the Hexa Sensor technology.

- **Xpandable Technology:** Enhances cooling capacity and efficiency.



Figure 10: Visual representation of Xpandable technology benefits, including increased cooling capacity and power savings.

- **Long Air Throw:** Designed to deliver cool air effectively across larger rooms.



Figure 11: Illustration demonstrating the 24-meter long air throw capability of the AC unit.

- **Smart Features (airCloud Home App & Voice Control):** Control your AC remotely using the airCloud Home mobile application or through voice commands with Google Home and Amazon Alexa.



Figure 12: Visual guide to smart features, including the airCloud Home mobile app interface and voice command integration with smart assistants.

## MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your air conditioner. Always disconnect power before performing any maintenance.

### Filter Cleaning:

The AC is equipped with a SuperFine Mesh Filter and an Anti Bacterial Filter. These should be cleaned regularly to maintain air quality and cooling efficiency.

- Open the front panel of the indoor unit.
- Remove the air filters.
- Clean the filters using a vacuum cleaner or wash them gently with water. Allow them to dry completely before re-installing.
- Frequency: Clean every two weeks or more often depending on usage and air quality.



Figure 13: Diagram illustrating the SuperFine Mesh Filter for air purification.

### Ice Clean Feature:

The "ice Clean" feature helps in maintaining the cleanliness of the indoor coil by freezing and then melting the ice, washing away dust and dirt. Refer to your remote control instructions for activating this feature.



Figure 14: Visual explanation of the Ice Clean feature, showing how it cleans the coil and its benefits in terms of hygiene and power savings.

### Professional Servicing:

It is recommended to have your AC professionally serviced at least once a year by an authorized technician to ensure thorough cleaning and inspection of all components.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
AC does not turn on	No power, circuit breaker tripped, remote batteries low.	Check power supply, reset 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 appropriate room size.
Unusual noise	Loose parts, foreign objects, unit not level.	Inspect for loose parts, remove objects, ensure unit is level. If noise persists, contact service.
Water leakage from indoor unit	Blocked drain pipe, improper installation.	Check and clear drain pipe. If issue persists, contact service for inspection.

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

## SPECIFICATIONS

Feature	Detail
Brand	Hitachi
Model	RAS.Y518PCAISL
Energy Efficiency	5 Star (ISEER 5.10)
Capacity	1.5 Tons
Annual Energy Consumption	823.18 Kilowatt Hours
Noise Level	37 dB
Installation Type	Split System
Special Features	Anti Bacterial Filter, Dehumidifier, Fast Cooling, Inverter Compressor, Remote Controlled
Colour	Dual Platinum
Control Console	Remote Control
Voltage	230 Volts
Wattage	1365 KW
Material	Copper (100% Inner Grooved Copper Tube)
Refrigerant	R32 (Green Refrigerant)
Item Weight	40 kg 800 g

Feature	Detail
Indoor Unit Dimensions (WxHxD)	1050mm x 294mm x 255mm
Outdoor Unit Dimensions (WxHxD)	750mm x 550mm x 290mm
Cooling Power	18500 British Thermal Units (BTU) / 5422 Watts (100% capacity)

## WARRANTY AND SUPPORT

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### Warranty Information:

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

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

### Customer Support:

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

- **Customer Care Number:** 7567884848
- **Email:** [customercare@jci-hitachi.com](mailto:customercare@jci-hitachi.com)
- **Manufacturer Address:** JCH-IN., Hitachi Complex, Karannagar, Kadi. Dist. Mehsana- 382715. Gujarat. India.