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Hitachi RAS.E318PCAIBS

Hitachi 1.5 Ton 3 Star Toushi Plus 3200XL Inverter Split AC User Manual

Model: RAS.E318PCAIBS

1. Introduction

Thank you for choosing the Hitachi 1.5 Ton 3 Star Toushi Plus 3200XL Inverter Split AC. This air conditioning unit is designed to provide efficient and comfortable cooling for rooms sized between 150-180 Sq.Ft. Featuring inverter technology, it adjusts power based on the heat load, ensuring optimal performance and energy savings. This manual provides essential information for the safe installation, operation, maintenance, and troubleshooting of your new AC unit.

2. Safety Information

Please read all safety instructions carefully before operating the appliance to prevent injury to yourself or others and damage to property. Keep this manual for future reference.

- **Professional Installation:** Installation, relocation, and maintenance of this unit must be performed by a qualified service technician. Improper installation can lead to electric shock, fire, or water leakage.
- **Electrical Safety:** Ensure the power supply matches the unit's specifications. Do not use damaged power cords or plugs. Do not operate with wet hands.
- **Refrigerant:** This unit uses R32 refrigerant. Do not attempt to modify or tamper with the refrigerant circuit. R32 is a mildly flammable refrigerant.
- **Clearances:** Maintain adequate clearance around the indoor and outdoor units for proper airflow and safe operation.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation and maintenance.
- **Ventilation:** Ensure the room is adequately ventilated if the unit is used in conjunction with other heating appliances.

3. Package Contents

Verify that all the following items are included in your package:

- Indoor Unit (IDU)
- Outdoor Unit (ODU)
- Remote Control
- User Manual (this document)
- 2 x AAA Batteries (for remote control)

- Installation Kit (includes necessary pipes, wires, and mounting accessories)



Image: Front view of the Hitachi indoor AC unit, showing the main body and display area.



Image: The Hitachi outdoor AC unit, featuring the fan grille and brand logo.

4. Setup and Installation

Installation of this split air conditioner requires specialized tools and knowledge. It is strongly recommended that you arrange for professional installation by a certified technician to ensure proper functioning and safety.

4.1 Pre-Installation Checks

- Ensure the installation site for both indoor and outdoor units is structurally sound.
- Verify that the power supply is stable and meets the voltage requirements (230 Volts).
- Confirm that the permissible maximum pipe length limit (up to 25 meters) is adhered to.

4.2 Initial Power On

After professional installation is complete, ensure all connections are secure. Power on the unit from the main power supply. The unit is designed for Stabilizer Free Operation within its specified voltage range.

5. Operating Instructions

Your Hitachi AC comes with an LCD remote control for convenient operation. Insert the two AAA batteries into the remote control before use.

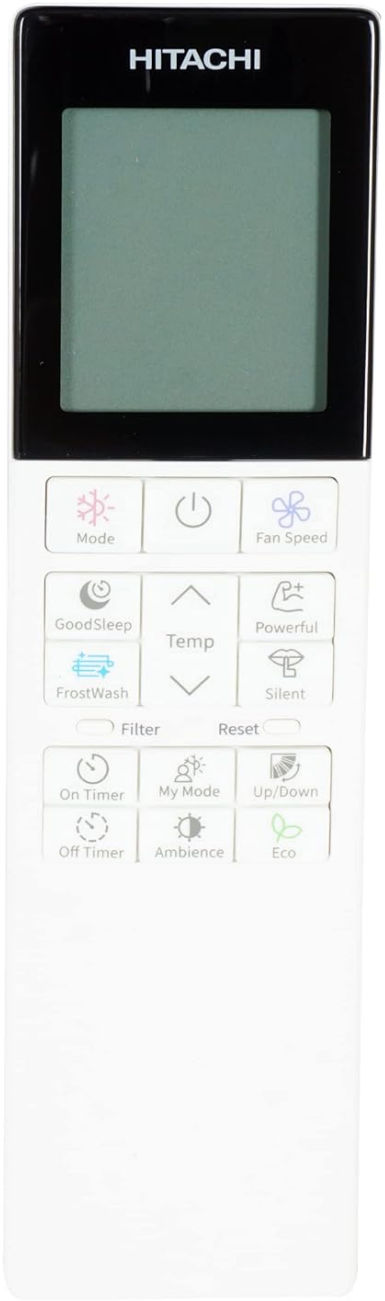


Image: The Hitachi AC remote control, showing various function buttons and the LCD display.

5.1 Basic Operation Modes

- **Cool Mode:** Press the **Mode** button until the snowflake icon appears. Use **Up**/**Down** buttons to set your desired temperature.
- **Fan Mode:** Press the **Mode** button until the fan icon appears. This circulates air without cooling. Use **Fan Speed** to adjust airflow.
- **Dry Mode:** Press the **Mode** button until the water drop icon appears. This mode helps reduce humidity in the room.
- **Auto Mode:** The unit automatically selects the appropriate operating mode (Cool, Fan, or Dry) based on the room temperature.

5.2 Special Features

- **SuperFine Mesh Filter:** Hitachi's unique SuperFine mesh filter captures microdust particles.
- **Tropical Design:** Designed to operate efficiently and keep you cool even in high ambient temperatures up to 52°C.
- **Penta Sensor:** Intelligent sensor technology with an advanced microcontroller optimizes cooling in varying load conditions and protects critical AC components.
- **Auto Fan Speed:** Automatically adjusts fan speed for optimal comfort.
- **Auto Restart:** The unit will automatically restart with previous settings after a power outage.
- **Eco Green Refrigerant R32:** Uses R32 refrigerant, which is environmentally friendly with no ozone depletion potential.
- **One Touch Silent Fan Speed:** Reduces fan noise for quieter operation.
- **Soft Dry:** Provides gentle dehumidification.
- **Super Cool:** Delivers rapid cooling.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your AC unit. Always turn off the power supply before performing any maintenance.

6.1 Filter Cleaning

The SuperFine Mesh Filter should be cleaned regularly, typically every two weeks or more frequently depending on usage and air quality.

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



Image: The Hitachi indoor AC unit with its front flap open, revealing the air filters for cleaning.

6.2 General Care

- Wipe the indoor and outdoor units with a soft, dry cloth. For stubborn dirt, use a damp cloth with a mild detergent, then wipe dry.
- Do not use harsh chemicals, abrasive cleaners, or solvents.
- Ensure the outdoor unit is free from obstructions like leaves or debris.

7. Troubleshooting

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Unit does not start	No power, remote control batteries low, timer set.	Check power supply, replace remote batteries, cancel timer setting.
Insufficient cooling	Dirty air filters, blocked outdoor unit, doors/windows open, temperature setting too high.	Clean air filters, clear obstructions from outdoor unit, close doors/windows, lower temperature setting.
Unusual noise	Loose parts, foreign objects, unit not level.	Check for loose parts, remove foreign 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 a professional technician.

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

8. Specifications

Key technical specifications for the Hitachi 1.5 Ton 3 Star Toushi Plus 3200XL Inverter Split AC (Model: RAS.E318PCAIBS).

Feature	Detail
Brand	Hitachi
Model Name	RAS.E318PCAIBS
Capacity	1.5 Tons
Cooling Power	3200 British Thermal Units (5050 Watts)
Energy Rating	3 Star (BEE guidelines)
Annual Energy Consumption	1024.34 units (as per energy label) / 1025 Kilowatt Hours
ISEER Value	3.92
Refrigerant	R-32 (Eco green)
Compressor Type	Inverter (Variable Speed, Rotary Scroll)
Condenser Coil Material	Copper
Noise Level (Indoor)	38 Decibels
Voltage	230 Volts
Product Dimensions (Indoor Unit)	23.5D x 95W x 29.4H Centimeters
Special Features	Anti Bacterial Filter, Dust Filter, One Touch Silent Fan speed, Soft Dry, Super Cool, Auto Fan Speed, Fan Mode, Auto Restart, Penta Sensor, Tropical Design, Stabilizer Free Operation

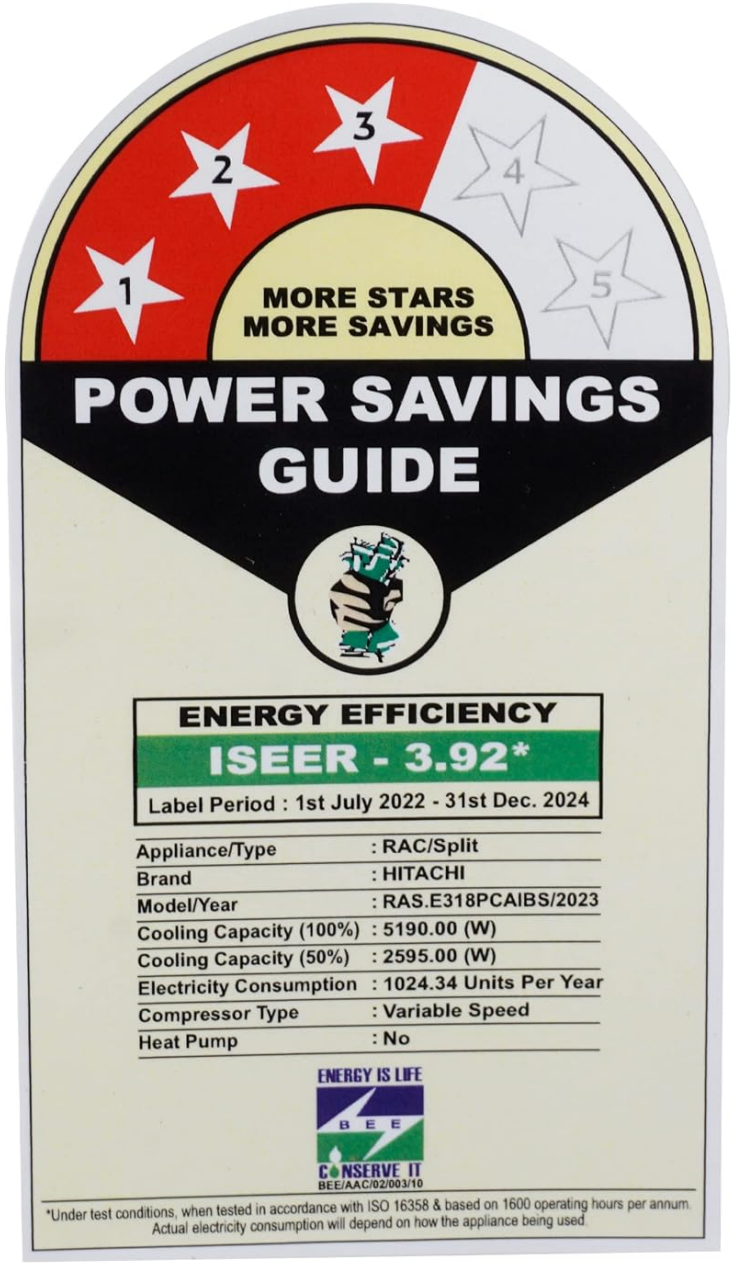


Image: The energy efficiency label for the Hitachi AC, indicating a 3-star rating and ISEER value of 3.92.



Image: Diagram showing the dimensions of the Hitachi indoor AC unit: 95cm width, 29.4cm height, and 23.5cm depth.

9. Warranty Information

Your Hitachi AC unit comes with the following warranty:

- **1 Year Warranty** on the complete Air Conditioner unit.
- **10 Years Warranty** on the Compressor.

Please retain your purchase receipt for warranty claims. The warranty is subject to terms and conditions outlined by Johnson Controls-Hitachi Air Conditioning India Limited.

10. Customer Support

For any queries, service requests, or technical assistance, please contact Hitachi customer support. Ensure you have your model number (RAS.E318PCAIBS) and purchase details ready when contacting support.

Manufacturer Contact Information: Johnson Controls-Hitachi Air Conditioning India Limited.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question