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Hitachi RAS.B222PCAIBA1

Hitachi 2 Ton Fixed Split AC User Manual

Model: RAS.B222PCAIBA1

1. Introduction

Thank you for choosing the Hitachi 2 Ton Fixed Split AC. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your air conditioning unit. Please read this manual thoroughly before using the appliance and keep it for future reference.

This air conditioner is designed to provide comfortable cooling for large-sized rooms (151 sq.ft to 200 sq.ft) with its 2 Ton capacity and features like 4-Way Swing and 24m Long Air Throw.



Image: Front view of the Hitachi Split AC indoor unit, highlighting its sleek design and key features like 4-Way Swing and Odour-free air.

2. Safety Information

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury.

- Ensure the power supply matches the unit's specifications.
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- Keep the area around the outdoor unit clear of obstructions.
- Do not insert fingers or objects into the air inlet/outlet.
- Ensure proper grounding to prevent electric shock.
- 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.

3. Package Contents

Verify that all components are present and undamaged upon unpacking.

- 1 x Indoor Unit
- 1 x Outdoor Unit
- 1 x Inter Connecting Copper Pipe (3m length)
- 1 x Remote Control
- 1 x User Manual with Warranty Card
- 2 x Batteries (for remote control)
- 1 x Drain Pipe

4. Setup and Installation

Installation of this air conditioning unit requires specialized skills and tools. It is strongly recommended that installation be performed by a qualified and certified technician to ensure proper functioning and safety, and to maintain warranty validity.

4.1. Choosing an Installation Location

- **Indoor Unit:** Select a location that allows for even air distribution throughout the room, away from direct sunlight or heat sources. Ensure sufficient space around the unit for maintenance.
- **Outdoor Unit:** Choose a well-ventilated area, away from direct sunlight and where the noise will not disturb neighbors. Ensure stable mounting and proper drainage.

4.2. Installation Steps (Overview for Technician)

1. Mounting the indoor unit plate.
2. Drilling the wall hole for piping.
3. Connecting refrigerant pipes and drain hose.
4. Wiring connections (indoor to outdoor unit, and power supply).
5. Mounting the outdoor unit.
6. Vacuuming and charging refrigerant (R32).
7. Performing a test run.



Image: Diagram showing the dimensions of both the indoor and outdoor units, along with the energy efficiency guide for planning installation space.

5. Operating Instructions

Your Hitachi AC comes with a remote control for convenient operation. Ensure batteries are inserted correctly.

5.1. Remote Control Functions

- **POWER Button:** Turns the unit ON/OFF.
- **MODE Button:** Cycles through operating modes: Cool, Fan, Dry.
- **TEMP ▲/▼ Buttons:** Adjusts the desired temperature.
- **FAN SPEED Button:** Adjusts fan speed (Auto, Low, Medium, High).
- **SWING Button:** Activates or deactivates the 4-Way Swing function for wider air distribution.
- **ECO Mode:** Optimizes energy consumption for efficient cooling.
- **GOOD SLEEP Mode:** Adjusts temperature automatically for comfortable sleep.

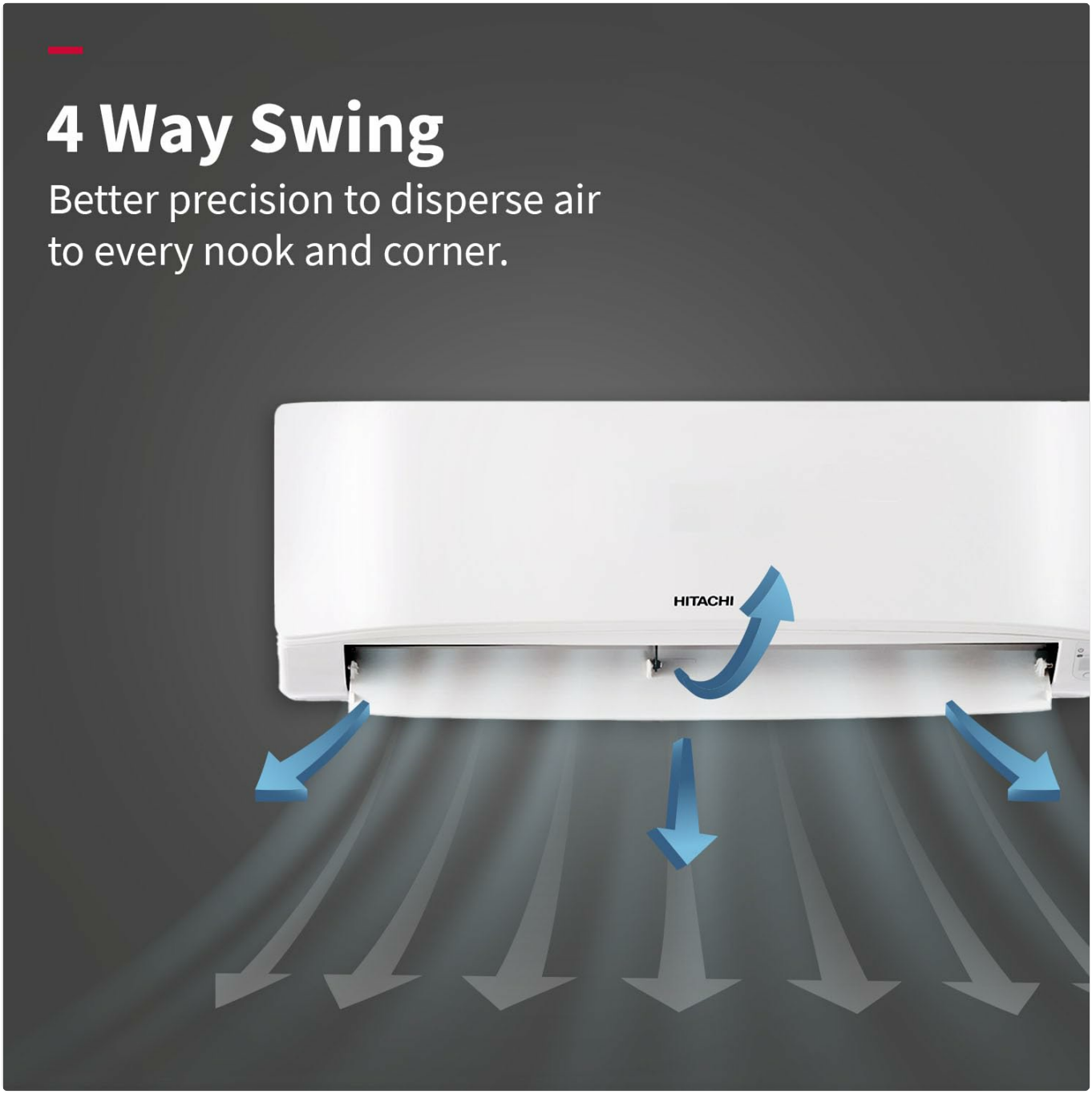


Image: Illustration demonstrating the 4-Way Swing feature, showing air being dispersed in multiple directions for uniform cooling.



Image: Visual representation of the 24m Long Air Throw, illustrating how the air conditioner can cool larger spaces effectively.



Image: Depiction of the silent operation feature, showing the big blower and wave blade design that reduces air cutting noise.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your AC unit. Always disconnect power before performing any maintenance.

6.1. Air Filter Cleaning

- Clean the air filters every two weeks or more frequently if used heavily.
- Open the front panel of the indoor unit and remove the filters.
- Wash filters with lukewarm water and mild detergent. Rinse thoroughly and dry completely before re-installing.
- The Anti-bacterial SuperFine Mesh Filter helps in providing odour-free air.



Image: Illustration of the Auto Coil Dry Technology, which helps in preventing odor by keeping the coil dry after operation.

6.2. Outdoor Unit Maintenance

- Periodically check the outdoor unit for any obstructions (leaves, debris) and clear them.
- Ensure the drainage pipe is not clogged.
- For thorough cleaning of coils and other internal components, it is recommended to schedule professional servicing annually.

7. Troubleshooting

Before contacting service, refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not start	No power supply; Batteries in remote are dead.	Check power connection and circuit breaker; Replace remote batteries.

Problem	Possible Cause	Solution
Insufficient cooling	Dirty air filters; Blocked outdoor unit; Room too large; Doors/windows open.	Clean air filters; Clear obstructions; Ensure room size is within capacity; Close doors/windows.
Unusual noise	Loose parts; Obstruction in fan; Unit not level.	Contact service technician; Check for obstructions; Ensure unit is level.
Water leakage from indoor unit	Clogged drain pipe; Improper installation.	Clear drain pipe; Contact service technician for re-installation check.

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

8. Specifications

Feature	Detail
Brand	Hitachi
Model Number	RAS.B222PCAIBA1
Capacity	2 Ton (1.8 Tons as per specifications)
Energy Rating	2 Star
Compressor Type	Non-inverter
Condenser Coil	100% Copper
Refrigerant Gas	R32 (Environmental Friendly)
Air Throw Distance	24m Long Air Throw
Air Flow Control	4 Way Swing
Noise Level (Indoor Unit)	39 dB
Operating Temperature	Works up to 52 Degree C (Tropical Design)
Indoor Unit Dimensions (WxHxD)	105 cm X 29.4 cm X 25 cm
Outdoor Unit Dimensions (WxHxD)	80 cm X 64 cm X 29.8 cm
Indoor Unit Weight	11.4 Kg
Outdoor Unit Weight	41 Kg
Special Features	Anti-bacterial SuperFine Mesh Filter, ECO Mode, Good Sleep Mode, Odour-free air (Auto Coil Dry Technology)

9. Warranty and Support

Your Hitachi AC unit comes with a comprehensive warranty to ensure peace of mind.

- **Manufacturer Warranty:** 5 Year Comprehensive on Product.
- **Compressor Warranty:** 10 years on Compressor.
- **PCB/Controller Warranty:** 5 years on PCB/Controller.

For service requests, technical assistance, or warranty claims, 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.

Please retain your purchase receipt and warranty card for future reference.

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