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Hitachi RAS.E318PCC2BW

Hitachi Toushi Plus 3200XL 1.5 TR Inverter Split AC User Manual

Model: RAS.E318PCC2BW

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Hitachi Toushi Plus 3200XL 1.5 TR Inverter Split Air Conditioner, Model RAS.E318PCC2BW. Please read this manual thoroughly before using your air conditioner and retain it for future reference.
The Hitachi Toushi Plus 3200XL is a 1.5 Ton, 3-star rated inverter split AC designed for optimal cooling performance and energy efficiency. It features Xpandable+ technology, long air throw, Penta Sensor, silent air operation, and odour-free air delivery, all controllable via a remote.

2. Safety Information

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring instructions may cause harm or damage.

- **Professional Installation:** Installation, relocation, and maintenance of this unit must be performed by a qualified service technician.
- **Power Supply:** Ensure the power supply matches the specifications of the unit. Do not use extension cords or multi-outlet adapters.
- **Grounding:** The unit must be properly grounded to prevent electric shock.
- **Ventilation:** Do not block the air inlet or outlet of the indoor or outdoor unit.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use water or liquid detergents directly on the unit.
- **Children and Pets:** Keep children and pets away from the unit, especially the outdoor unit, to prevent injury.
- **Flammable Materials:** Do not place flammable materials or spray aerosols near the unit.
- **Abnormal Operation:** If you notice any unusual sounds, smells, or smoke, immediately turn off the unit and disconnect the power supply. Contact a qualified service technician.

3. Product Overview

The Hitachi Toushi Plus 3200XL is an advanced inverter split air conditioner designed for efficient cooling and comfort. Below are

the main components and key features.

3.1 Indoor Unit



Figure 1: Front view of the Hitachi Toushi Plus 3200XL indoor unit. This image shows the sleek white casing with the Hitachi logo centrally placed, and the air outlet louvers visible at the bottom.

- **Air Inlet Grille:** Located on the top and front, where room air is drawn in.
- **Air Outlet Louvers:** Adjustable louvers at the bottom for directing cooled air.
- **Display Panel:** Shows operational status, temperature, and error codes.
- **Air Filter:** Located behind the front panel, filters dust and particles from the air.

3.2 Outdoor Unit



Figure 2: Side view of the Hitachi Toushi Plus 3200XL outdoor unit. This image highlights the compact design and the side panel of the outdoor compressor unit.

- **Compressor:** The main component for refrigerant compression.
- **Condenser Coil:** Releases heat to the outside air.
- **Fan:** Draws air over the condenser coil.
- **Refrigerant Pipes:** Connects the indoor and outdoor units.

3.3 Remote Control



Figure 3: The remote control for the Hitachi Toushi Plus 3200XL AC. This image displays the layout of buttons for various functions, including power, mode selection, temperature adjustment, and fan speed.

The remote control allows you to operate the air conditioner from a distance. It features buttons for power, mode selection (Cool, Fan, Dry), temperature adjustment, fan speed, and special functions like Xpandable+ and Silent Air.

3.4 Key Features

- **Xpandable+:** Enhances cooling capacity during extreme temperatures.
- **Long Air Throw:** Ensures uniform cooling across larger rooms.
- **Penta Sensor:** Advanced sensor technology for optimized cooling and energy efficiency.
- **Silent Air:** Designed for quiet operation, minimizing noise disturbance.
- **Odour-Free Air:** Helps in delivering fresh and clean air.
- **Inverter Technology:** Provides energy-efficient cooling by adjusting compressor speed.
- **3-Star Energy Rating:** Indicates good energy efficiency.

4. Setup and Installation

Installation of this Hitachi split air conditioner requires specialized tools and knowledge. It is highly recommended that installation be performed by a certified Hitachi service technician or a qualified professional to ensure proper functioning, safety, and warranty validity.

4.1 Pre-Installation Checks

- **Location:** Choose a location for the indoor unit that allows for even air distribution and easy drainage. The outdoor unit should be placed in a well-ventilated area, away from direct sunlight or heat sources.
- **Power Supply:** Ensure a dedicated power circuit with appropriate voltage and current capacity is available.
- **Wall Strength:** The wall where the indoor unit is mounted must be strong enough to support its weight.

4.2 Installation Steps (Overview for Professional)

1. Mount the installation plate on the wall for the indoor unit.
2. Drill a hole for the refrigerant piping and drain hose.
3. Connect the refrigerant pipes and electrical wiring between the indoor and outdoor units.
4. Secure the indoor unit to the installation plate.
5. Install the outdoor unit on a stable, level surface.
6. Perform vacuuming and gas charging (if necessary).
7. Check for leaks and perform a test run.

Refer to the detailed installation manual provided to the technician for specific instructions.

5. Operating Instructions

Your Hitachi AC is operated primarily using the wireless remote control. Ensure the remote control has fresh batteries and is pointed towards the indoor unit when sending commands.

5.1 Basic Operation

- **Power ON/OFF:** Press the **ON/OFF** button to start or stop the unit.
- **Mode Selection:** Press the **MODE** button to cycle through available modes:
  - **Cool:** For cooling the room.
  - **Fan:** Circulates air without cooling.
  - **Dry:** Reduces humidity in the room.
- **Temperature Adjustment:** Use the **TEMP UP (▲)** and **TEMP DOWN (▼)** buttons to set your desired temperature.
- **Fan Speed:** Press the **FAN SPEED** button to adjust the fan speed (Auto, Low, Medium, High).

5.2 Special Features

- **Xpandable+ Function:** Activates enhanced cooling capacity. Refer to your remote control for the specific button (often labeled "Xpand" or similar).
- **Silent Air Mode:** Reduces fan speed and compressor noise for quieter operation. Look for a "Silent" or "Quiet" button on your remote.
- **Timer Function:** Set the unit to turn ON or OFF automatically after a specified period. Consult the remote control section of the full manual for detailed timer settings.

For detailed instructions on all remote control functions, refer to the dedicated remote control manual included with your product.

6. Maintenance

Regular maintenance ensures optimal performance, energy efficiency, and longevity of your air conditioner. Always disconnect the power supply before performing any maintenance.

6.1 Air Filter Cleaning (Every 2 Weeks)

1. Open the front panel of the indoor unit.
2. Gently 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.

6.2 Indoor Unit Surface Cleaning (Monthly)

Wipe the indoor unit's surface with a soft, dry cloth. For stubborn dirt, use a damp cloth with a neutral detergent, then wipe dry. Do not use harsh chemicals, abrasive cleaners, or hot water.

6.3 Outdoor Unit Maintenance (Annually)

The outdoor unit requires professional cleaning and inspection at least once a year. This includes cleaning the condenser coils, checking refrigerant levels, and inspecting electrical connections. Do not attempt to clean the outdoor unit yourself without professional guidance.

6.4 Pre-Season and Post-Season Checks

- **Before Cooling Season:** Ensure filters are clean, check for any obstructions around the outdoor unit, and perform a test run.
- **After Cooling Season:** Clean filters, turn off the unit, and disconnect power if not in use for an extended period.

7. Troubleshooting

Before contacting service, please check the following common issues and solutions.

Problem	Possible Cause	Solution
Unit does not start	No power supply; Batteries in remote are dead; Timer is set.	Check power connection and circuit breaker; Replace remote batteries; Cancel timer setting.
Insufficient cooling	Dirty air filters; Blocked air inlet/outlet; Doors/windows open; Temperature setting too high; Room too large.	Clean air filters; Remove obstructions; Close doors/windows; Lower temperature setting; Ensure unit capacity matches room size.
Unusual noise	Loose parts; Unit not level; Obstruction in fan.	Contact service technician for inspection.
Water leakage from indoor unit	Clogged drain hose; Improper installation.	Clear drain hose; Contact service technician for inspection and re-installation if needed.

Problem	Possible Cause	Solution
Remote control not working	Dead batteries; Obstruction between remote and unit; Remote not pointed correctly.	Replace batteries; Remove obstructions; Point remote directly at indoor unit's receiver.

If the problem persists after trying these solutions, or if you encounter an issue not listed here, please contact Hitachi customer service or a qualified service technician.

8. Specifications

Feature	Detail
Brand	Hitachi
Model	RAS.E318PCC2BW
Type	Inverter Split AC
Capacity	1.5 Tons
Energy Efficiency	3 Star Rating
Installation Type	Split System
Special Features	Xpandable+, Long Air Throw, Penta Sensor, Silent Air, Odour-Free Air, Remote Controlled
Item Weight	39 kg
Product Dimensions (LxWxH)	65 x 78 x 98 Centimeters

9. Warranty and Support

Your Hitachi Toushi Plus 3200XL 1.5 TR Inverter Split AC comes with a standard manufacturer's warranty. The specific terms and duration of the warranty are detailed in the warranty card provided with your product. Please retain your purchase receipt as proof of purchase for warranty claims.

9.1 Warranty Coverage

The warranty typically covers manufacturing defects and malfunctions under normal use. It generally does not cover damages resulting from improper installation, misuse, neglect, unauthorized repairs, or acts of nature.

9.2 How to Obtain Service

If you require service under warranty or need technical support, please contact Hitachi customer service. You will typically need to provide your product model number (RAS.E318PCC2BW), serial number, and date of purchase.

- **Customer Service Contact:** Refer to the contact information provided in your warranty card or on the official Hitachi India website.
- **Online Support:** Visit the Hitachi India website for FAQs, troubleshooting guides, and service request forms.

Always ensure that any service or repair work is carried out by authorized Hitachi service personnel to maintain warranty validity.

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