

## Hitachi RAS.G318PCCISS

# Hitachi 1.5 Ton 3 Star Inverter Split AC

Model: RAS.G318PCCISS / RAS.G318PCC2SS

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## 1. PRODUCT OVERVIEW

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Hitachi 1.5 Ton 3 Star Inverter Split Air Conditioner, model RAS.G318PCCISS. This unit features Inverter technology, a 3-star energy rating, 4-Way Swing, FrostWash Technology, Xpandable+ Long Air Throw, and a Hexa Sensor for optimized performance.



Figure 1: Hitachi 1.5 Ton Inverter Split AC Indoor Unit. This image shows the front view of the indoor unit, highlighting its sleek design and the Hitachi branding.

## 2. IMPORTANT SAFETY INFORMATION

Read all safety warnings and instructions carefully before installing, operating, or performing maintenance on this air conditioner. Keep this manual for future reference.

- **Professional Installation:** Installation and servicing must be performed by qualified personnel only. Improper installation can lead to electric shock, fire, or water leakage.
- **Electrical Safety:** Ensure the power supply matches the unit's requirements. Do not use extension cords. Always disconnect power before cleaning or servicing.
- **Refrigerant:** This unit uses R32 refrigerant. Handle with care and ensure proper ventilation during installation and servicing.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation and maintenance.

- **Obstructions:** Do not block the air inlet or outlet of either the indoor or outdoor unit.
- **Water Exposure:** Do not expose the indoor unit to water. Avoid spraying water directly onto the unit during cleaning.

### 3. SETUP AND INSTALLATION

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The Hitachi 1.5 Ton Inverter Split AC requires professional installation. Ensure the installation site meets the following criteria:

- **Indoor Unit:** Positioned to allow for optimal air distribution and easy access for maintenance. Ensure sufficient clearance around the unit.
- **Outdoor Unit:** Placed in a well-ventilated area, away from direct sunlight or heat sources, and with adequate space for airflow and servicing.
- **Drainage:** Ensure proper drainage for condensate water from both units.
- **Electrical Connection:** A dedicated power circuit is recommended.

#### Unit Dimensions for Installation Planning:



Figure 2: Indoor Unit Dimensions. The indoor unit measures approximately 950 mm (Width) x 294 mm (Height) x 235 mm (Depth).



Figure 3: Outdoor Unit Dimensions. The outdoor unit measures approximately 750 mm (Width) x 550 mm (Height) x 290 mm (Depth).

### 4. OPERATING INSTRUCTIONS

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Your Hitachi AC is controlled via a wireless remote control. Familiarize yourself with the remote's functions for optimal use.

#### 4.1. Basic Operation

1. **Power On/Off:** Press the **ON/OFF** button to start or stop the unit.
2. **Mode Selection:** Press the **MODE** button to cycle through available modes: Cool, Dry, Fan, Auto.
3. **Temperature Adjustment:** Use the **TEMP UP/DOWN** buttons to set your desired temperature.
4. **Fan Speed:** Press the **FAN SPEED** button to adjust the fan speed (Auto, Low, Medium, High).

#### 4.2. Special Features

- **4 Way Swing:** This feature allows for horizontal and vertical air swing, distributing cool air evenly across the room. Activate it using the dedicated swing button on your remote.
- **Xpandable+ Long Air Throw:** Designed to deliver air over longer distances, ensuring comfort even in larger rooms. This function is typically activated automatically in cooling mode or can be selected via the remote.
- **FrostWash Technology:** An automatic self-cleaning function that freezes the heat exchanger to trap dust and dirt, then melts the ice to wash away the impurities. This helps maintain unit efficiency and air quality. Refer to your remote for activation or automatic cycles.
- **Hexa Sensor:** This advanced sensor system monitors various parameters to optimize cooling performance and energy efficiency.

## 5. MAINTENANCE

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

### 5.1. Air Filter Cleaning

The HEPA 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. Remove the air filters.
3. Clean the filters using a vacuum cleaner or wash them with lukewarm water and a mild detergent.
4. Allow filters to dry completely in a shaded area before re-installing.
5. Close the front panel securely.

### 5.2. FrostWash Cycle

Utilize the FrostWash feature as recommended by the manufacturer to keep the indoor unit's heat exchanger clean. This function helps prevent mold and bacteria buildup.

### 5.3. General Cleaning

- Wipe the indoor unit's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Periodically check the outdoor unit for obstructions (leaves, debris) and clear them carefully.

### 5.4. Professional Servicing

It is recommended to have your AC unit professionally serviced at least once a year to ensure optimal performance, check refrigerant levels, and clean internal components.

## 6. TROUBLESHOOTING

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Before contacting customer support, please check the following common issues:

Problem	Possible Cause	Solution
Unit does not start	No power, remote control batteries low, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
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 in fan, unit not level.	Check for loose parts or foreign objects (disconnect power first). Ensure unit is level. If noise persists, contact service.
Water leakage	Blocked drain pipe, improper installation.	Check and clear drain pipe. If issue persists, contact professional service.

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

## 7. PRODUCT SPECIFICATIONS

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Feature	Detail
Brand	Hitachi
Model Name	RAS.G318PCCISS
Capacity	1.5 Tons
Cooling Power	5000 British Thermal Units
BEE Star Rating	3 Star
Inverter Type	Has Inverter
Refrigerant	R32
Noise Level (Indoor)	34 Decibels
Special Features	4 Way Swing, FrostWash Technology, Xpandable+ Long Air Throw, Hexa Sensor, HEPA Filter
Indoor Unit Dimensions (D x W x H)	23.5D x 95W x 29.4H Centimeters
Outdoor Unit Dimensions (D x W x H)	29D x 75W x 55H Centimeters (Approximate, based on image)
Voltage	230 Volts
Wattage	1940 Watts
Item Weight	49 Kilograms (Total/Outdoor Unit)
Control Method	Remote Control

## 8. WARRANTY INFORMATION

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This Hitachi Air Conditioner comes with a **1-year warranty** from the date of purchase. Please retain your purchase receipt for warranty claims. The warranty covers manufacturing defects under normal use conditions. For detailed terms and conditions, refer to the warranty card provided with your product or contact Hitachi customer support.

## 9. CUSTOMER SUPPORT

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

**Customer Care Number:** 7567884848

**Email:** [customercare@jci-hitachi.com](mailto:customercare@jci-hitachi.com)

**Address:** Hitachi Complex, Karannagar, Kadi. Dist. Mehsana- 382715. Gujarat. India.

When contacting support, please have your model number (RAS.G318PCCISS) and purchase details ready.