

Hitachi RSNG318HFEOF

Hitachi 1.5 Ton 3 Star Yugen 3100s Inverter Split AC User Manual

Model: RSNG318HFEOF

1. INTRODUCTION

Thank you for choosing the Hitachi 1.5 Ton 3 Star Yugen 3100s Inverter Split AC. This air conditioner is designed to provide efficient and comfortable cooling for medium-sized rooms (111 to 150 sq ft). This manual provides essential information for the safe installation, operation, and maintenance of your new air conditioning unit. Please read it thoroughly before using the appliance and keep it for future reference.

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.

- Installation must be performed by qualified personnel only. Improper installation can lead to water leakage, electric shock, or fire.
- Ensure the power supply matches the specifications of the unit. Do not use damaged power cords or plugs.
- Do not insert fingers or foreign objects into the air inlet or outlet.
- Do not attempt to repair the unit yourself. Contact authorized service personnel for all repairs.
- Keep the area around the outdoor unit clear of obstructions to ensure proper airflow.
- Do not spray water directly onto the unit for cleaning. Use a soft, damp cloth.
- Ensure proper grounding of the unit to prevent electric shock.

3. PRODUCT OVERVIEW

3.1 Included Components

The package includes the following items:

- 1 Indoor Unit
- 1 Outdoor Unit
- 1 Inter Connecting Copper Pipe (3 meters length)
- 1 Remote Control
- 1 User Manual (this document)
- 1 Warranty Card

3.2 Key Features

- **Inverter Compressor:** Variable speed compressor adjusts power based on heat load, ensuring energy efficiency and low-noise operation.
- **Copper Condenser Coil:** Provides better cooling performance and requires low maintenance.
- **Energy Rating:** 3 Star BEE rating with an ISEER value of 3.80.
- **Cooling Modes:** Features Auto Mode, Cool Mode, Fan Mode, and Dry Mode for versatile climate control.
- **Remote Control:** Convenient LCD remote for easy adjustment of settings.
- **Auto Restart:** Automatically resumes operation with previous settings after a power outage.
- **Green Refrigerant:** Uses R-32 refrigerant, which has a lower environmental impact.
- **Expandable Inverter AC:** Expands capacity in adverse temperature conditions, reduces humidity, and achieves set temperature faster.
- **Filter Clean Indicator:** Unique alert reminds you to clean the filter at regular intervals for consistent cooling.
- **Stepless Compressor Control:** Advanced microcontroller checks indoor and outdoor conditions, varying compressor speed seamlessly for uninterrupted cooling.
- **Special Features:** Anti Bacterial Filter, Dust Filter, Stabiliser Free Operation.

3.3 Specifications

Specification	Detail
Brand	Hitachi
Model Name	RSNG318HFE0F
Capacity	1.5 Tons
Cooling Power	5100 Kilowatts
Annual Energy Consumption	1012.3 Kilowatt Hours (as per energy label)
ISEER Value	3.80 (from product data), 3.90 (from energy label)
Noise Level	36 Decibels
Refrigerant	R-32
Filter Type	HEPA Filter, Anti Bacterial Filter, Dust Filter
Core Material	Copper
Voltage	230 Volts
Wattage	5100 Watts
Product Dimensions (D x W x H)	24D x 96.8W x 29.4H Centimeters

Specification	Detail
Control Method	Remote Control
Installation Type	Split System
Start Year	2022

3.4 Energy Efficiency Label



This image displays the energy efficiency label for the Hitachi RSNG318HFEOF AC. It shows a 3-star rating, indicating 'More Stars, More Savings'. The ISEER value is 3.90, valid from July 1, 2022, to December 31, 2024. Key specifications include an appliance type of RAC/Split, Brand HITACHI, Model/Year RSNG318HFEOF/2022. The 100% cooling capacity is 5100.00 W, 50% cooling capacity is 2550.00 W, and annual electricity consumption is 1012.30 Units per Year. The compressor type is Variable Speed, and it does not have a heat pump function.

4. SETUP AND INSTALLATION

The Hitachi 1.5 Ton 3 Star Yugen 3100s Inverter Split AC requires professional installation. Attempting to install the unit yourself may void the warranty and pose safety risks. Please contact an authorized Hitachi service center or a qualified technician for installation.

4.1 Pre-Installation Checks

- Ensure the installation site for both indoor and outdoor units is suitable and provides adequate space for airflow and maintenance.
- Verify that the electrical wiring and power outlet meet the unit's requirements (230 Volts).
- Confirm that the wall or mounting surface can support the weight of the indoor unit.

4.2 Post-Installation

After installation, the technician will perform a test run to ensure proper operation. Familiarize yourself with the remote control and basic functions during this time.

5. OPERATING INSTRUCTIONS

Your Hitachi AC is controlled via the provided LCD remote control. Ensure the remote has fresh batteries and is pointed

towards the indoor unit when sending commands.

5.1 Remote Control Functions

The remote control allows you to power the unit on/off, select operating modes, adjust temperature, and control fan speed. Refer to the remote control diagram in the physical manual for button layout.

5.2 Operating Modes

- **Cool Mode:** Provides cooling by lowering the room temperature to your desired setting.
- **Fan Mode:** Circulates air without cooling or heating, useful for ventilation.
- **Dry Mode:** Reduces humidity in the room, ideal for humid conditions.
- **Auto Mode:** The unit automatically selects the appropriate operating mode (Cool, Fan, Dry) based on the room temperature and your set temperature.

5.3 Adjusting Temperature and Fan Speed

- Use the **Temperature Up/Down** buttons on the remote to set your desired temperature.
- Press the **Fan Speed** button to cycle through available fan speeds (Low, Medium, High, Auto).

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 Filter Clean Indicator will alert you when it's time to clean the filters. Dirty filters can reduce cooling efficiency and airflow.

1. Open the front panel of the indoor unit.
2. Carefully remove the air filters (HEPA, Anti Bacterial, Dust filters).
3. Clean the filters using a vacuum cleaner or wash them gently with lukewarm water and mild detergent.
4. Allow the filters to dry completely in a shaded area before reinserting them.
5. Close the front panel.

6.2 Outdoor Unit Cleaning

Periodically check the outdoor unit for any debris, leaves, or obstructions that might block airflow. Gently remove them. Do not spray water directly onto the electrical components.

6.3 Professional Servicing

It is recommended to have your AC unit professionally serviced at least once a year by an authorized technician to ensure optimal performance and identify any potential issues.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not start	No power supply; Remote control batteries low; Circuit breaker tripped.	Check power connection; 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; Obstruction in fan; Unit not level.	Turn off unit and inspect for loose parts or obstructions. If noise persists, contact service.
Water leakage from indoor unit	Clogged drain pipe; Improper installation.	Turn off unit and contact professional service immediately.

If the problem persists after trying these solutions, please contact authorized service personnel.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your Hitachi 1.5 Ton 3 Star Yugen 3100s Inverter Split AC comes with the following warranty:

- **1 Year Comprehensive Warranty** on the Product.
- **10 Years Warranty** on the Compressor.
- **5 Years Warranty** on the PCB/Controller.

Please refer to the included Warranty Card for detailed terms and conditions, including coverage, exclusions, and claim procedures. Keep your purchase receipt as proof of purchase.

8.2 Customer Support

For technical assistance, service requests, or warranty claims, please contact Hitachi customer support. Contact details can typically be found on the Hitachi India website or on your warranty card.

Manufacturer: Johnson Controls-Hitachi Air Conditioning India Limited