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> Hitachi 1.5 Ton 3 Star Hot & Cold Inverter Split AC (Model: RSQG318HGXA) User Manual

Hitachi RSQG318HGXA

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Model: RSQG318HGXA

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Hitachi 1.5 Ton 3 Star Hot & Cold Inverter Split AC, model RSQG318HGXA. Please read this manual thoroughly before using the air conditioner and retain it for future reference.

SETUP AND INSTALLATION

Unpacking and Components

Carefully unpack all components and ensure the following items are present:

- 1 Indoor Unit
- 1 Outdoor Unit
- Inter Connecting Copper Pipe (3m / 9.84 ft length)
- 1 Remote Control
- 1 User Manual & Warranty Card
- 2 Batteries for Remote Control

Unit Dimensions

Refer to the diagram below for the dimensions of the indoor and outdoor units to ensure proper placement and installation.



Figure 1: Indoor and Outdoor Unit Dimensions. The indoor unit measures 96.8 cm (width) x 29.4 cm (height) x 24 cm (depth). The outdoor unit measures 75 cm (width) x 54.8 cm (height) x 28.8 cm (depth).

Installation Guidelines

This is a split-system air conditioner requiring professional installation. Ensure the installation area meets the minimum width requirement of 96 cm for the indoor unit. The copper condenser coil ensures better cooling and requires low maintenance. Always ensure proper grounding and electrical connections are made by a qualified technician.

OPERATING INSTRUCTIONS

Remote Control

The air conditioner is controlled via the provided remote control. Familiarize yourself with the buttons for power, mode selection (Cool, Heat, Fan, Dry), temperature adjustment, fan speed, and special features.

Operating Modes and Features

- **Hot & Cold Function:** This AC provides both heating and cooling capabilities, making it suitable for year-round use. It operates effectively within an ambient temperature range of -15°C to 52°C.

Penta Sensor Technology

Hitachi ACs intelligent Penta Sensor Technology with its advanced microcontroller offers perfect cooling even in extreme summer conditions, optimizes cooling in load variation and protects critical components of the AC.

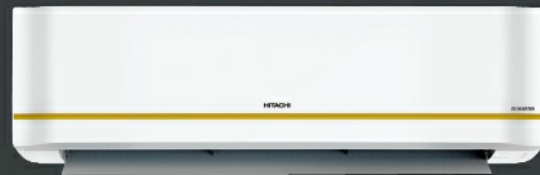


Figure 2: Hot & Cold Functionality. The unit delivers warm air in winters and cool air in summers, adapting to a wide range of outdoor temperatures.

- **Expandable Technology:** Hitachi Expandable ACs can increase their capacity under adverse temperature conditions. This technology helps to reduce humidity levels inside the room and achieve the desired temperature more quickly.

Xpandable Technology

Hitachi Expandable ACs expands its capacity in adverse temperature conditions, it cuts down humidity level inside the room and achieves set temperature faster.



Figure 3: Expandable Technology. This feature allows the AC to adjust its capacity to maintain comfort even in challenging weather conditions.

- **Penta Sensor Technology:** This intelligent technology utilizes an advanced microcontroller and five sensors (Room Temperature, Ambient Temperature, Compressor Protection, Defrost, Motor Overload) to optimize cooling performance in varying load conditions and protect critical components.

Indoor & Outdoor Units

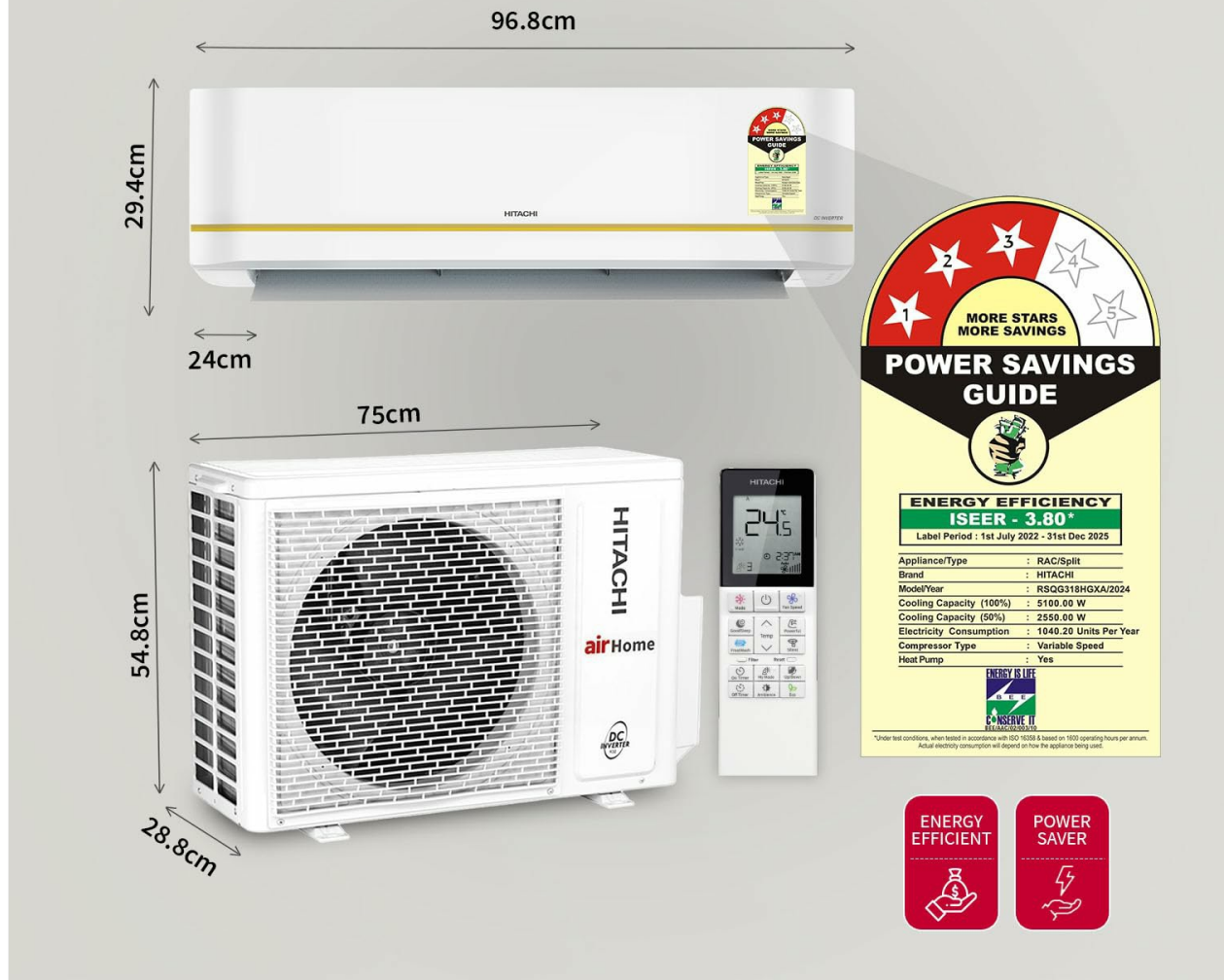


Figure 4: Penta Sensor Technology. This system ensures perfect cooling in extreme summer conditions and protects the AC's vital parts.

- **Tropical Design:** Engineered to perform efficiently in high ambient temperatures, this AC is designed to operate effectively up to 52°C.



Figure 5: Tropical Design. Ensures reliable performance even in very hot climates.

- **100% Cooling at 43°C:** The unit is capable of delivering its full cooling capacity even when the outdoor temperature reaches 43°C.

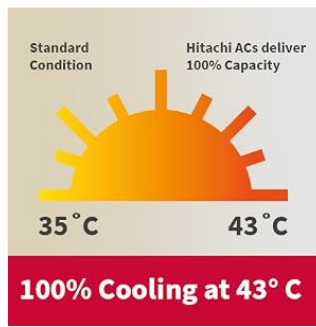


Figure 6: 100% Cooling at 43°C. Maintains comfort during peak summer heat.

- **Silent Air:** Designed for quiet operation, minimizing noise disturbance.

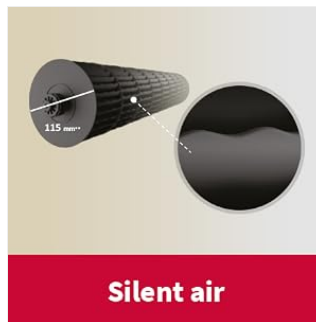


Figure 7: Silent Air. Enjoy a peaceful environment with reduced operational noise.

- **Odour-Free Air:** The AC is equipped with features to ensure the air circulated is free from unpleasant odors.



Figure 8: Odour-Free Air. Promotes a fresh and clean indoor atmosphere.

MAINTENANCE

Filter Clean Indicator

The unit features a Filter Clean Indicator that alerts you when the air filter requires cleaning. Regularly cleaning the filter is crucial for maintaining air quality and the efficiency of the AC.

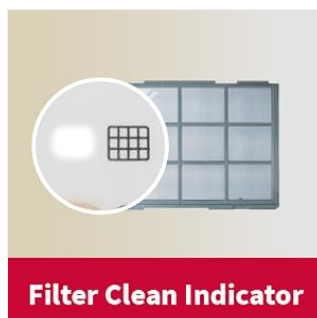


Figure 9: Filter Clean Indicator. A visual cue for timely filter maintenance.

General Cleaning and Care

- **Air Filter:** Clean the air filter regularly (e.g., every two weeks or when indicated) to ensure optimal airflow and cooling/heating performance. Refer to the detailed cleaning instructions in the included user manual.
- **Outdoor Unit:** Keep the outdoor unit clear of obstructions, dust, and debris to ensure proper heat exchange.
- **Indoor Unit:** Wipe the surface of the indoor unit with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Copper Condenser Coil:** The 100% copper condenser coil is designed for durability and requires minimal maintenance. However, periodic professional inspection is recommended.



Figure 10: 100% Inner Grooved Copper Tube. Enhances heat transfer efficiency and durability.

TROUBLESHOOTING

If you encounter any issues with your Hitachi AC, please refer to the following basic troubleshooting steps before contacting customer service.

- **AC not turning on:** Check if the power cord is securely plugged in and if the circuit breaker has tripped. Ensure batteries in the remote control are functional.
- **Insufficient cooling/heating:** Verify that the correct mode is selected and the temperature setting is appropriate. Clean the air filter if it is dirty. Ensure no obstructions are blocking the indoor or outdoor units.
- **Unusual noises:** Minor operational sounds are normal. If you hear loud or unusual noises, turn off the unit and contact customer support.
- **Water leakage:** Check if the drain hose is properly connected and not blocked. Ensure the indoor unit is installed level.

For complex issues or if troubleshooting steps do not resolve the problem, please contact Hitachi customer support.

SPECIFICATIONS

Feature	Detail
Brand	Hitachi
Model Number	3100HP RSQG318HGXA
Capacity	1.5 Tons
Cooling Power	17400 British Thermal Units
Energy Rating	3 Star (BEE 2025 guidelines)
ISEER Value	3.80

Feature	Detail
Annual Energy Consumption	1040.2 units
Refrigerant	R-32 (Environmental Friendly)
Noise Level	33 Decibels
Indoor Unit Dimensions (WxHxD)	96.8 cm x 29.4 cm x 24 cm
Outdoor Unit Dimensions (WxHxD)	75 cm x 54.8 cm x 28.8 cm
Indoor Unit Weight	11.2 Kg
Outdoor Unit Weight	34 Kg
Voltage	230 Volts
Wattage	1847 Watts
Compressor Type	Tropical Twin Rotary Inverter
Core Material	100% Copper
Filter Type	Pre-Filter
Control Method	Remote Control
Applicable Room Size	111 to 150 sq.ft

WARRANTY AND SUPPORT

Warranty Information

Your Hitachi AC comes with the following warranty:

- **Comprehensive Product Warranty:** 5 Years
- **Compressor Warranty:** 10 Years
- **PCB/Controller Warranty:** 5 Years

Please retain your purchase invoice for warranty claims. The warranty is subject to terms and conditions outlined in the warranty card included with your product.

Customer Support

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

- **Customer Care Number:** 7567884848
- **Email:** customercare@jci-hitachi.com
- **Manufacturer Address:** Bosch Home Comfort India Limited, Hitachi Complex, Karannagar, Kadi. Dist. Mehsana-382715. Gujarat. India.

