

Hitachi RAS.G318PCBIBF

Hitachi 1.5 Ton 3-Star Inverter Split AC Instruction Manual

Model: RAS.G318PCBIBF

1. PRODUCT OVERVIEW

The Hitachi 1.5 Ton 3-Star Inverter Split AC (Model RAS.G318PCBIBF) is designed to provide efficient and comfortable cooling for medium-sized rooms (111 to 150 sq.ft). This unit features an inverter compressor for variable speed operation, optimizing power consumption based on heat load. Key technologies include ice Clean for enhanced hygiene and Xpandable+ for boosted cooling capacity during peak demand. The system utilizes a 100% copper condenser coil for improved heat transfer and durability, and R32 refrigerant, which has zero ozone depletion potential.



Image 1: Hitachi 1.5 Ton 3-Star Inverter Split AC Indoor Unit. This image displays the white indoor unit of the air conditioner, highlighting its sleek design.

2. SETUP AND INSTALLATION

This section provides an overview of the components included and general guidance for installation. For detailed installation procedures, please refer to the dedicated Installation Manual provided with your product.

2.1 Included Components

- 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)

2.2 Unit Dimensions

Understanding the dimensions of your indoor and outdoor units is crucial for proper installation and placement.

Indoor Unit (IDU): 95 cm (W) x 29.4 cm (H) x 23 cm (D)

Outdoor Unit (ODU): 75 cm (W) x 55 cm (H) x 29 cm (D)

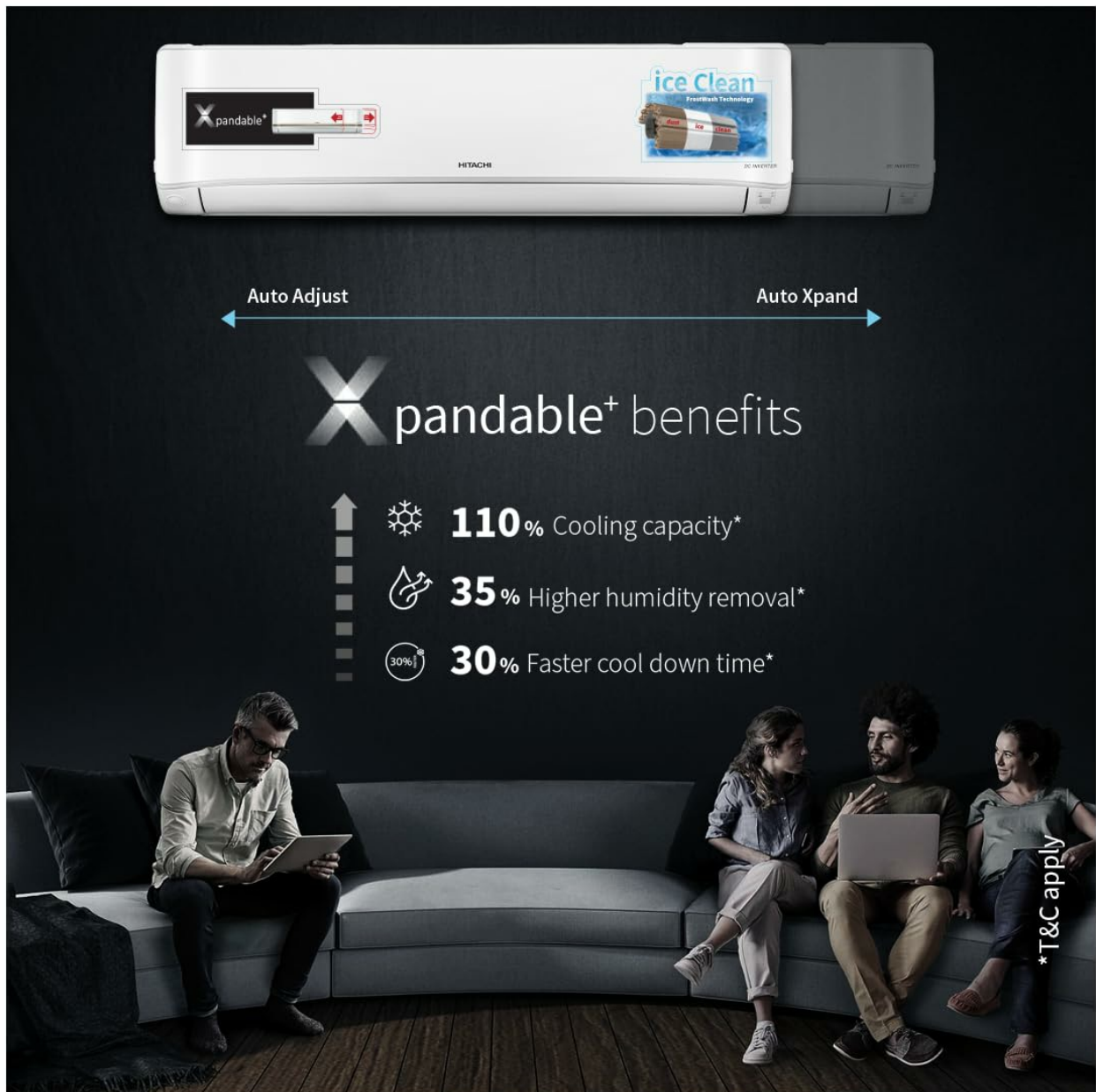


Image 2: Indoor and Outdoor Unit Dimensions. This graphic illustrates the physical dimensions of both the indoor and outdoor units, aiding in installation planning.

2.3 Installation Guidelines

Professional installation is recommended to ensure optimal performance and safety. Ensure the outdoor unit is placed in a well-ventilated area, and the indoor unit is positioned for effective air distribution throughout the room. Refer to the Installation Manual for specific requirements regarding clearances, drainage, and electrical connections.

3. OPERATING INSTRUCTIONS

This section details the various functions and modes of your Hitachi AC, designed to provide personalized comfort and efficient operation.

3.1 Inverter Compressor Technology

The inverter compressor automatically adjusts its speed based on the room's heat load. This ensures consistent cooling while minimizing power consumption, leading to enhanced performance and lower electricity bills.

3.2 Xpandable+ Technology

Xpandable+ Technology allows the AC to boost its cooling capacity when required, making it ideal for hot and humid conditions. This feature ensures uninterrupted cooling even during extreme temperatures, providing up to 110% cooling capacity, 35% higher humidity removal, and 30% faster cool-down time.

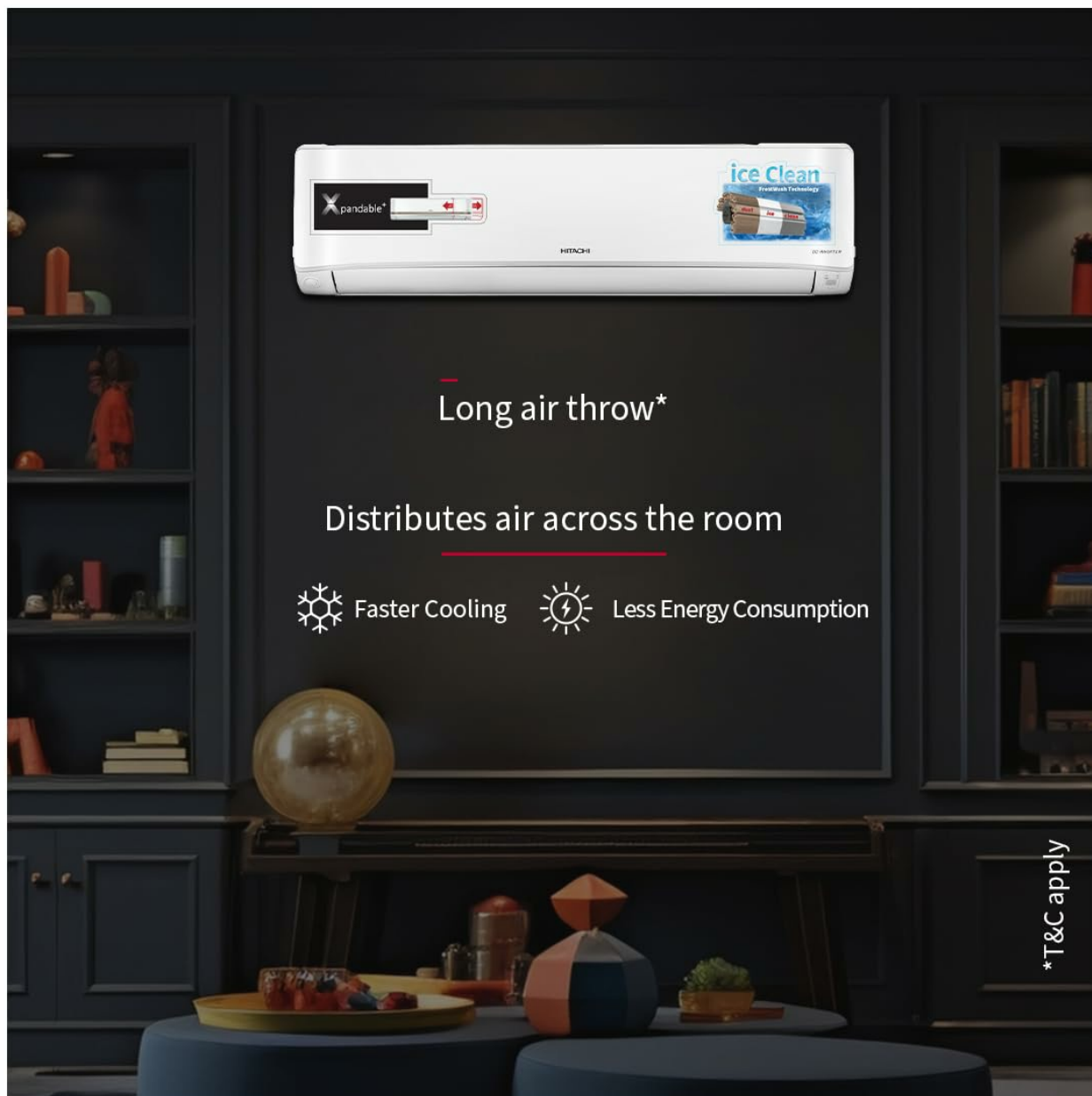


Image 3: Xpandable+ Technology Benefits. This graphic illustrates the advantages of Xpandable+ technology, including increased cooling capacity and faster cooling.

3.3 ice Clean Powered by FrostWash Technology

The ice Clean feature, backed by FrostWash Technology, automatically cleans the indoor unit. It freezes the coil to trap dust, bacteria, and mold, then melts the ice to wash away impurities. This process ensures cleaner and healthier air circulation in your space, maintaining optimal airflow performance.

Indoor & Outdoor Units



Image 4: ice Clean FrostWash Technology. This image visually explains the ice Clean feature, showing how it removes dust, bacteria, and mold for cleaner air.

3.4 4-Way Swing

The 4-Way Swing mechanism distributes cool air evenly across the room, eliminating hot spots and ensuring consistent comfort from every direction. This feature enhances the overall cooling experience by reaching all corners of the room.

3.5 Smart Features: My Mode and Silent Air Mode

- **My Mode:** Allows you to personalize cooling settings to match your comfort needs, saving your preferred temperature and fan speed combinations.
- **Silent Air Mode:** Ensures ultra-quiet operation for a peaceful environment, ideal for bedrooms or quiet workspaces.

3.6 Remote Control Functions

The remote control features a large LED screen displaying intuitive icons for easy operation. It includes one-button access to advanced modes, timers, and the ability to save your favorite settings for quick recall.

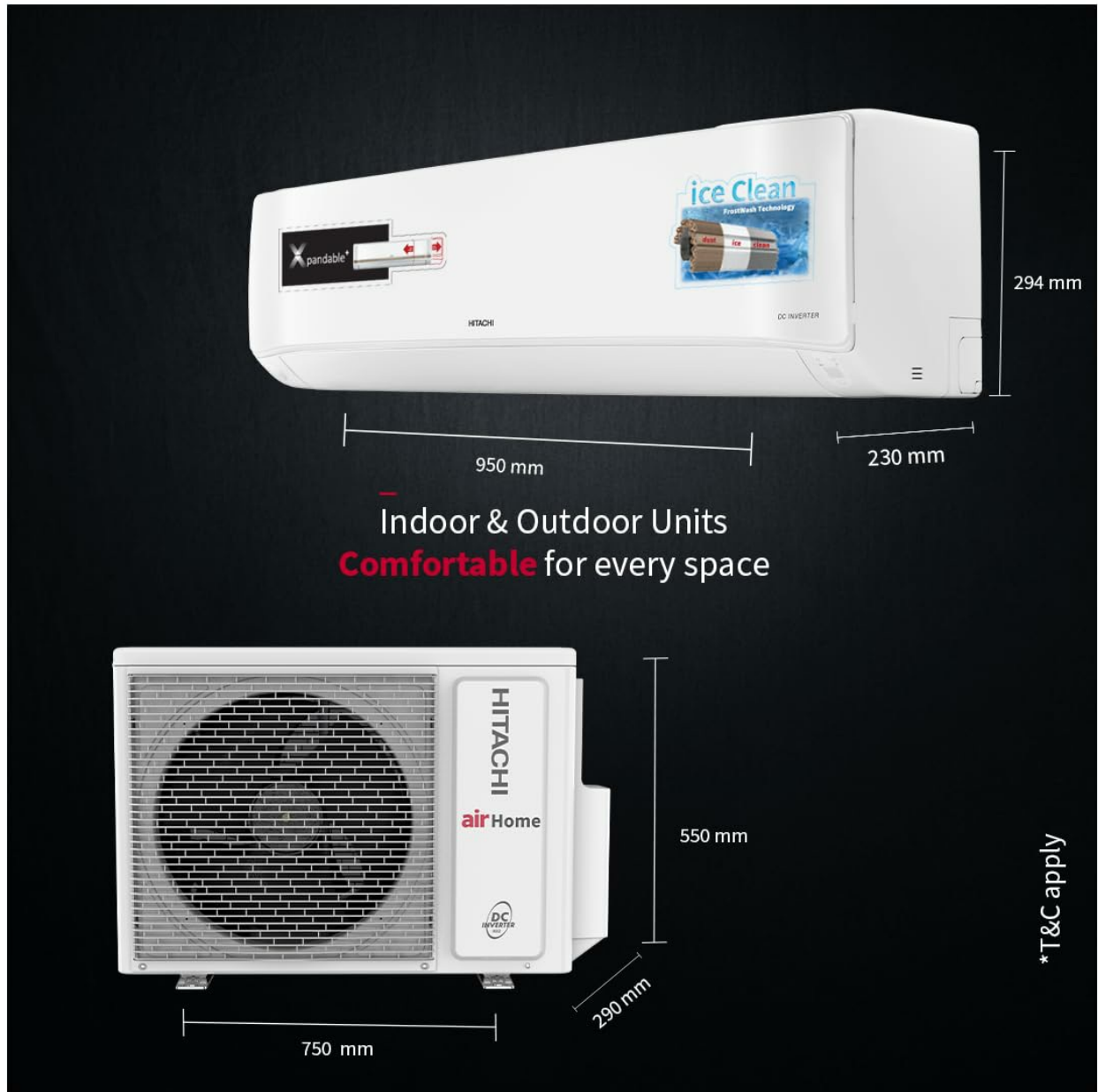


Image 5: Remote Control Features. This image highlights the remote control, showing its large LED screen and various function buttons for easy access to settings.

4. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Hitachi AC. The unit is designed for low maintenance, especially with its 100% copper condenser coil.

4.1 Filter Cleaning

The AC is equipped with a dust filter. Periodically clean the air filters to maintain optimal airflow and cooling efficiency. Refer to the User Manual for specific instructions on how to access and clean the filters.

4.2 ice Clean Feature

Utilize the built-in ice Clean (FrostWash) technology for automatic cleaning of the indoor unit's coil, which helps prevent the accumulation of dust, bacteria, and mold, contributing to healthier air and sustained performance.

4.3 General Care

Wipe the exterior of the indoor and outdoor units with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners. Ensure the outdoor unit's surroundings are clear of obstructions to allow for proper ventilation.

5. TROUBLESHOOTING

If you encounter any issues with your AC, please refer to the following general troubleshooting tips. For specific error codes or complex problems, consult the detailed troubleshooting guide in the User Manual or contact customer support.

- **No Power:** Check if the power cord is securely plugged in and the circuit breaker has not tripped.
- **Insufficient Cooling:** Ensure air filters are clean, doors and windows are closed, and the temperature setting is appropriate.
- **Unusual Noises:** Minor noises during operation are normal. If loud or persistent noises occur, refer to the manual or contact service.
- **Water Leakage:** Check the drainage pipe for blockages or improper installation.

6. SPECIFICATIONS

Detailed technical specifications for the Hitachi 1.5 Ton 3-Star Inverter Split AC (Model RAS.G318PCBIBF).

Feature	Specification
Brand	Hitachi
Model	RAS.G318PCBIBF
Energy Efficiency	3 Star
Capacity	1.5 Tons
Annual Energy Consumption	1012.62 Kilowatt Hours Per Year
Noise Level	34 Decibels
Installation Type	Split System
Special Features	Ambience Light, Hexa Sensor, Odour-free air, Xpandable+, ice Clean (FrostWash)
Colour	White
Voltage	230 Volts
Wattage	1940 Watts
Material	Plastic
Item Weight (IDU)	10 kg
Refrigerant Gas	R32 (Environmentally Friendly)

7. WARRANTY AND SUPPORT

Your Hitachi AC comes with comprehensive warranty coverage and dedicated customer support.

7.1 Manufacturer Warranty

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

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

7.2 Customer Support

For any queries, service requests, or technical assistance, 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.