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> Haier 1.6 Ton 3 Star Heavy Duty Inverter Split AC User Manual

Haier HSU19E-TXS3B(INV)

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Model: HSU19E-TXS3B(INV)

1. INTRODUCTION

Thank you for choosing the Haier 1.6 Ton 3 Star Heavy Duty Inverter Split AC. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your air conditioner. Please read this manual thoroughly before using the appliance and keep it for future reference.

2. SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury.

General Safety Precautions:

- Ensure the power supply matches the voltage specified on the unit.
- Do not operate the AC with wet hands.
- Do not insert fingers or objects into the air inlet/outlet.
- Keep flammable materials away from the unit.
- Ensure proper grounding to prevent electric shock.
- Do not attempt to repair the unit yourself. Contact qualified service personnel.

Installation Safety:

- Installation must be performed by a qualified technician.
- Ensure the installation site is strong enough to support the unit's weight.
- Proper drainage must be ensured for the outdoor unit.

3. PRODUCT OVERVIEW

The Haier 1.6 Ton 3 Star Heavy Duty Inverter Split AC consists of an indoor unit and an outdoor unit, designed for efficient cooling and air purification.

Indoor Unit:



Image: Front view of the Haier 1.6 Ton Inverter Split AC indoor unit. This image shows the sleek white design of the indoor unit with the Haier logo and "DC Inverter" branding visible on the front panel.

- **Air Inlet Grille:** Draws in room air.
- **Air Outlet Louver:** Discharges conditioned air.
- **Display Panel:** Shows temperature, mode, and other indicators.
- **Air Filter:** Filters dust and particles from the air.

Outdoor Unit:



Image: The outdoor unit of the Haier AC, highlighting its 100% copper components, use of R-32 refrigerant, and rust-free design. The unit is white with a large fan grille and Haier branding.

- **Compressor:** The heart of the cooling system.
- **Condenser Coil:** Releases heat to the outside.
- **Fan:** Circulates air over the condenser coil.
- **Refrigerant Pipes:** Connects indoor and outdoor units.

Remote Control:



Image: A close-up of the Haier AC remote control, showing its various buttons and digital display. The image also visually represents the "Frost Self Clean" technology, where ice forms and melts to clean the indoor unit's evaporator coil. The remote control allows you to operate all functions of the air conditioner from a distance. Refer to the remote control section for detailed button functions.

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your AC unit. It is highly recommended that installation be carried out by a certified Haier service technician.

Pre-Installation Checklist:

- **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 and heat sources.
- **Power Supply:** Ensure a dedicated power circuit with appropriate voltage and current capacity is available.
- **Tools:** Necessary tools for installation include drills, wrenches, vacuum pump, manifold gauge, etc.

Installation Steps (Summary - for detailed steps, refer to technician manual):

1. Mount the indoor unit plate on the wall.
2. Drill a hole for the refrigerant pipes and drain hose.
3. Connect the refrigerant pipes and electrical wiring between indoor and outdoor units.
4. Perform vacuuming and refrigerant charging.
5. Secure the outdoor unit on a stable base.
6. Check for leaks and perform a test run.

Note: Incorrect installation can lead to water leakage, electric shock, or fire. Always consult a professional.

5. OPERATING INSTRUCTIONS

Your Haier Inverter Split AC offers various modes and features for optimal comfort and energy efficiency.

Basic Operation:

- **Power On/Off:** Press the **ON/OFF** button on the remote control.
- **Mode Selection:** Press the **MODE** button to cycle through modes: Auto, Cool, Dry, Fan, Heat (if applicable).

- **Temperature Adjustment:** Use the **TEMP ▲ / ▼** buttons to set your desired temperature.
- **Fan Speed:** Press the **FAN** button to adjust fan speed (Auto, Low, Medium, High).
- **Swing Function:** Use the **SWING** button to adjust the vertical louver direction.

Key Features:

- **Frost Self Clean Technology:**

This feature allows the indoor unit to perform a complete wet wash. At the press of a button, the evaporator coil freezes with moisture from the air, and then the accumulated dirt is removed during the melting process, ensuring clean air output.



Image: An illustration demonstrating the Frost Self Clean technology. It shows water and ice cleaning the internal fins of the indoor unit, with a remote control pointing to the "SELF CLEAN" button.

- **Triple Inverter Plus Technology:**

This advanced technology integrates TLFM inverter control, PID inverter control, and A-PAM inverter control. It provides smart control of the air conditioner, maximizing comfort, reliability, and highly efficient performance, leading to up to 65% energy savings.



Haier Triple Inverter Plus integrates TLFM inverter control, PID inverter control and A-PAM inverter control to achieve smart control of the air conditioner and in the meanwhile, maximize comfort, reliability and highly efficient performance & giving up to 65% Energy Saving.

Image: An artistic representation of the Triple Inverter Plus technology, showing wind turbines in the background symbolizing energy efficiency, and the AC unit in the foreground, indicating advanced inverter control for power saving.

- **5-in-1 Easy Convertible:**

This feature allows you to adjust the cooling capacity of the AC based on your needs, offering flexibility and energy optimization. You can choose from 5 different tonnage settings.

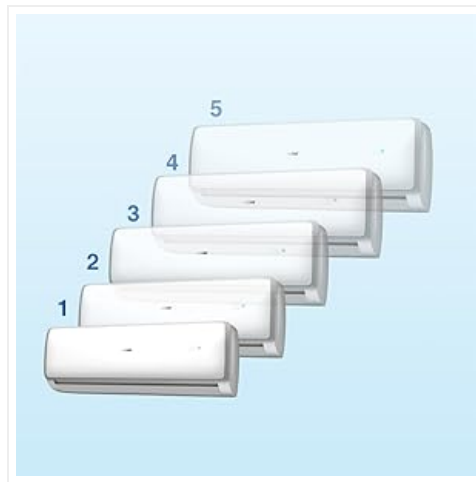


Image: A diagram illustrating the 5-in-1 Easy Convertible feature, showing five different sizes of the indoor unit, representing the adjustable cooling capacities.

- **60 Degree Cooling at Extreme Temperature:**

The AC is designed to provide effective cooling even when the ambient temperature reaches up to 60°C, ensuring comfort in extreme heat conditions.



Image: The outdoor unit of the AC with a thermometer indicating 60°C, demonstrating its capability to cool effectively even in high ambient temperatures.

- **Hyper PCB:**

The Hyper PCB (Printed Circuit Board) is designed for enhanced durability and stable operation, protecting the unit from voltage fluctuations and ensuring consistent performance.

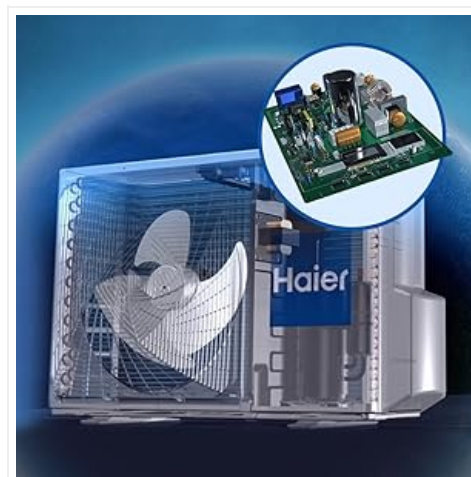


Image: A detailed view of the Hyper PCB (Printed Circuit Board) component, shown within the internal structure of the AC unit, emphasizing its robust design.

- **Upto 20 mtr Long Air Throw:**

The powerful fan and louver design enable the AC to deliver cool air up to 20 meters, ensuring uniform cooling across large rooms.



Image: An illustration depicting the long air throw capability of the AC, showing cool air reaching a significant distance across a room, symbolized by a flowing ribbon.

6. MAINTENANCE AND CARE

Regular maintenance ensures optimal performance and extends the lifespan of your air conditioner.

Air Filter Cleaning:

- Clean the air filters every two weeks or more frequently if the AC is used heavily or in dusty environments.
- Open the front panel of the indoor unit and remove the filters.
- Wash filters with lukewarm water and mild detergent. Rinse thoroughly and dry completely before re-installing.
- Do not expose filters to direct sunlight for drying.

Outdoor Unit Cleaning:

- Periodically clean the outdoor unit's coils and fan blades to remove dust and debris.
- Ensure the area around the outdoor unit is clear of obstructions for proper airflow.
- For deep cleaning, it is recommended to contact a professional service.

Seasonal Maintenance:

- Before the cooling season, check refrigerant levels and electrical connections.
- At the end of the cooling season, run the unit in fan-only mode for a few hours to dry the internal components and prevent mold growth.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
AC does not turn on	No power, remote control batteries dead, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling	Dirty air filters, blocked outdoor unit, low refrigerant, wrong mode.	Clean filters, clear obstructions, check mode settings. Contact service for refrigerant issues.

Problem	Possible Cause	Solution
Water leakage from indoor unit	Blocked drain hose, improper installation, frozen coil.	Check and clear drain hose. If problem persists, contact service.
Unusual noise	Loose parts, fan obstruction, compressor issue.	Turn off unit and inspect for loose parts or obstructions. If noise continues, contact service.

If the problem persists after trying these solutions, please contact Haier customer service.

8. SPECIFICATIONS

Detailed technical specifications for the Haier 1.6 Ton 3 Star Heavy Duty Inverter Split AC (Model: HSU19E-TXS3B(INV)).

Attribute	Detail
Brand	Haier
Model	HSU19E-TXS3B(INV)
Capacity	1.6 Tons
Energy Efficiency (BEE Star Rating)	3 Star
Annual Energy Consumption	1091 Kilowatt Hours Per Year
Noise Level (Indoor Unit)	32 dB
Refrigerant Type	R-32
Compressor Type	Triple Inverter Plus
Coil Material	100% Grooved Copper
Special Features	Frost Self Clean, 5-in-1 Easy Convertible, Upto 20 mtr Long Air Throw, 60 degree Cooling at Extreme Temperature, Hyper PCB
Included Components	1 Indoor Unit, 1 Outdoor Unit, 1 Remote Control, User manual, Warranty Card & 3m Copper wire/ Interconnecting pipe
Item Weight	11 kg (Indoor Unit)
Country of Origin	India

9. WARRANTY AND SUPPORT

Haier provides comprehensive warranty coverage for your peace of mind.

- **Comprehensive Warranty:** 5 years on the entire unit.
- **Compressor Warranty:** 12 years on the compressor.



Image: A visual representation of the warranty terms: "1 Year General Warranty" and "12 Years Compressor Warranty" displayed prominently next to the indoor AC unit in a living room setting.

Customer Support:

For any service requests, technical assistance, or warranty claims, please contact Haier customer support:

- **Haier Customer Care:** Refer to the warranty card or Haier India official website for the latest contact numbers and service center locations.
- **Online Support:** Visit www.haierindia.com/support for FAQs and online service requests.