

## Hessaire H12FB1

# Hessaire DIY 12,000 BTU Mini Split Air Conditioner and Heat Pump User Manual

Model: H12FB1

## INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Hessaire DIY 12,000 BTU 1.0 Ton 21.7 SEER Ductless Mini Split Air Conditioner and Heat Pump. Please read this manual thoroughly before installation and use, and retain it for future reference.

## SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, or injury. This appliance is not intended for use by persons with reduced physical, sensory, or mental capabilities unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

- Ensure proper grounding for electrical connections.
- Do not operate the unit with wet hands.
- Keep children away from the unit during operation.
- Do not block air inlets or outlets.
- For maintenance, always disconnect power before servicing.
- Use only the specified refrigerant (R-454B).

## PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- Indoor Unit (Air Handler)
- Outdoor Unit (Condenser)
- Lineset (Pre-charged)
- Installation Kit
- Remote Control

- User Manual (this document)



Figure 1: Hessaire DIY Mini Split system showing the indoor unit, outdoor unit, remote control, and lineset.

## SETUP AND INSTALLATION

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The Hessaire DIY Mini Split system is designed for straightforward installation. The outdoor condenser unit comes pre-charged with R-454B refrigerant, simplifying the process. The lineset can be trimmed to the required length without losing refrigerant, further aiding DIY installation.

### Key Installation Considerations:

- **Location:** Choose a location for both indoor and outdoor units that allows for proper airflow and drainage.
- **Mounting:** Securely mount the indoor unit to a wall and the outdoor unit on a stable surface or wall bracket.
- **Lineset Connection:** Carefully connect the pre-charged lineset between the indoor and outdoor units, ensuring tight seals to prevent leaks.
- **Electrical Wiring:** Connect the electrical wiring according to local codes and the wiring diagram provided in the full installation guide (not included in this summary). Ensure the unit is connected to a dedicated 115V circuit.
- **Drainage:** Install the condensate drain line with a proper slope to allow for continuous water removal.

For detailed step-by-step instructions, refer to the comprehensive installation manual included with your product. Professional installation is recommended if you are unfamiliar with HVAC systems or electrical work.

## OPERATING INSTRUCTIONS

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Your Hessaire Mini Split system is controlled via the included digital remote. The remote allows you to select operating modes, adjust temperature, and set various functions.

### Remote Control Functions:

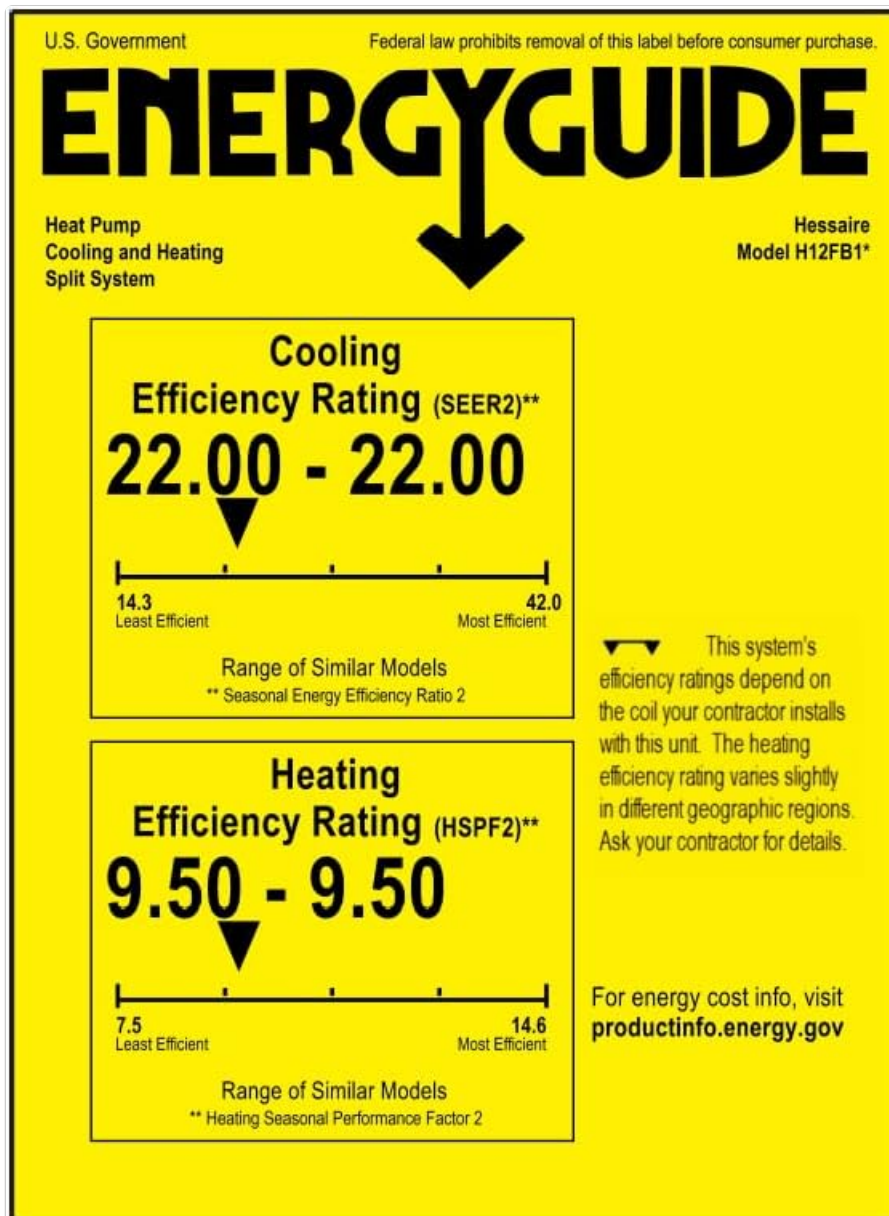


Figure 2: Energy Guide label for Hessaire Model H12FB1, detailing cooling (SEER2) and heating (HSPF2) efficiency ratings.

- **Power Button:** Turns the unit ON or OFF.
- **MODE:** Cycles through operating modes: Auto, Cool, Dry, Heat, Fan.
- **Temperature Adjustment:** Use the + and - buttons to set the desired temperature.
- **FAN:** Adjusts fan speed (Auto, Low, Medium, High).
- **AI SMART:** Activates intelligent operating mode for optimal comfort and energy efficiency.
- **SUPER:** Engages maximum cooling or heating for rapid temperature change.
- **QUIET:** Reduces fan speed for quieter operation.
- **TIMER ON/OFF:** Sets a timer for the unit to turn ON or OFF automatically.
- **SLEEP:** Adjusts temperature and fan speed for comfortable sleep.
- **CLEAN:** Initiates a self-cleaning function for the indoor unit.
- **ION ECO:** Activates ionizer and energy-saving mode.
- **8°C HEAT:** Maintains a minimum temperature of 8°C (46°F) to prevent freezing in unoccupied spaces.

For optimal performance, ensure the remote control has fresh batteries and is pointed towards the indoor unit during operation.

## MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your Hessaire Mini Split system.

Recommended Maintenance:

- **Air Filter Cleaning:** Clean the air filters of the indoor unit every 2-4 weeks, or more frequently depending on usage and air quality. Wash with mild detergent and warm water, then dry completely before reinstallation.
- **Outdoor Unit Cleaning:** Periodically clear debris (leaves, dirt) from around the outdoor unit to ensure proper airflow. Gently clean the condenser coils with a soft brush or water hose.
- **Drain Line Check:** Ensure the condensate drain line is free of blockages to prevent water overflow.
- **Seasonal Inspection:** Before seasonal use (e.g., summer for cooling, winter for heating), inspect all connections and components for any signs of wear or damage.

Always disconnect power to the unit before performing any maintenance.

TROUBLESHOOTING

If you encounter issues with your Hessaire Mini Split, consult the following common troubleshooting steps before contacting support.

Problem	Possible Cause	Solution
Unit does not turn on	No power, remote batteries dead, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, wrong mode selected, temperature setting too high/low.	Clean filters, clear outdoor unit, select correct mode, adjust temperature.
Water leakage from indoor unit	Blocked drain line, improper installation.	Clear drain line, ensure proper slope. If issue persists, consult a professional.
Unusual noise	Loose parts, debris in fan, unit not level.	Inspect for loose parts, remove debris, ensure unit is level.

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

SPECIFICATIONS

Feature	Detail
Brand	Hessaire
Model Number	H12FB1
Capacity	12,000 BTU (1 Ton)
SEER Rating	21.7
Voltage	115 Volts
Refrigerant	R-454B
Noise Level	39 Decibels

Feature	Detail
Item Weight	90 pounds
Product Dimensions	18 x 45 x 21 inches
Special Features	Fast Cooling, DIY Installation with pre-charged condenser

## WARRANTY INFORMATION




The Hessaire DIY Mini Split system comes with a **7-year warranty on the compressor** and a **1-year warranty on parts**. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, refer to the documentation included with your product or visit the official Hessaire website.

## CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this guide, or warranty inquiries, please contact Hessaire customer support. Contact information can typically be found on the manufacturer's website or in the product packaging.

You can also visit the [Hessaire Store on Amazon](#) for more product information.

### Related Documents - H12FB1

 <p><b>H</b> HESSAIRE COOL AIR ANYWHERE DUCTLESS MINI-SPLIT AC H SERIES USER MANUAL</p> <p>Models: (R32 Refrigerant) H12FTY1 Tn, 18.0 SEER2; H12FTY1 Tn, 20.0 SEER2; H12FTY1 Tn, 21.0 SEER2; H12FTY2 Tn, 18.0 SEER2; H12FTY2 Tn, 20.0 SEER2; H12FTY2 Tn, 21.0 SEER2; H12FBY1 Tn, 22.0 SEER2; H12FBY1 Tn, 24.0 SEER2; H12FBY2 Tn, 22.0 SEER2; H12FBY2 Tn, 24.0 SEER2</p> <p>Please read and keep these instructions for future reference.</p>	<p><a href="#">Hessaire H Series Ductless Mini-Split AC User Manual</a></p> <p>User manual for Hessaire H Series Ductless Mini-Split Air Conditioners, covering safety precautions, specifications, maintenance, troubleshooting, and warranty information for R32 and R454B refrigerant models.</p>
 <p><b>H</b> HESSAIRE COOL AIR ANYWHERE DUCTLESS MINI-SPLIT AC H SERIES USER MANUAL</p> <p>Models: (R32 Refrigerant) H12FTY1 Tn, 18.0 SEER2; H12FTY1 Tn, 20.0 SEER2; H12FTY1 Tn, 21.0 SEER2; H12FTY2 Tn, 18.0 SEER2; H12FTY2 Tn, 20.0 SEER2; H12FTY2 Tn, 21.0 SEER2; H12FBY1 Tn, 22.0 SEER2; H12FBY1 Tn, 24.0 SEER2; H12FBY2 Tn, 22.0 SEER2; H12FBY2 Tn, 24.0 SEER2</p> <p>Please read and keep these instructions for future reference.</p>	<p><a href="#">Hessaire H Series Ductless Mini-Split AC User Manual</a></p> <p>User manual for Hessaire H Series Ductless Mini-Split Air Conditioners, covering safety, specifications, maintenance, troubleshooting, error codes, parts, and warranty information for R32 and R454B refrigerant models.</p>
 <p><b>H</b> HESSAIRE COOL AIR ANYWHERE DUCTLESS MINI-SPLIT AC H SERIES INSTALLATION INSTRUCTIONS</p> <p>Models: (R32 Refrigerant) H12FTY1 Tn, 18.0 SEER2; H12FTY1 Tn, 20.0 SEER2; H12FTY1 Tn, 21.0 SEER2; H12FTY2 Tn, 18.0 SEER2; H12FTY2 Tn, 20.0 SEER2; H12FTY2 Tn, 21.0 SEER2; H12FBY1 Tn, 22.0 SEER2; H12FBY1 Tn, 24.0 SEER2; H12FBY2 Tn, 22.0 SEER2; H12FBY2 Tn, 24.0 SEER2</p> <p>Please read and keep these instructions for future reference.</p>	<p><a href="#">Hessaire H Series Ductless Mini-Split AC Installation Instructions</a></p> <p>Comprehensive installation guide for Hessaire H Series Ductless Mini-Split Air Conditioner units, covering R32 and R454B refrigerant models. Includes safety precautions, dimensions, and step-by-step installation procedures.</p>



## Hessaire Ductless Mini-Split AC H Series Installation Instructions

Comprehensive installation guide for Hessaire Ductless Mini-Split AC H Series, covering indoor and outdoor unit setup, refrigerant piping, electrical connections, and startup procedures. Includes model information and safety precautions.



## Hessaire H Series Ductless Mini-Split AC Installation Guide

Comprehensive installation instructions for Hessaire H Series ductless mini-split air conditioner and heat pump systems, covering indoor and outdoor unit setup, electrical connections, refrigerant piping, and testing.



## Hessaire Mini Split Air Conditioner/Heat Pump Installation and Specifications

Comprehensive guide to the installation and technical specifications of Hessaire Mini Split Air Conditioner/Heat Pump units, including indoor and outdoor unit details, performance metrics, and dimensions.