KOTEK PI-FP10792US-HS+

KOTEK 18000 BTU Mini Split AC/Heating System User Manual

Model: PI-FP10792US-HS+

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your KOTEK 18000 BTU Mini Split AC/Heating System. This inverter-driven system offers both cooling and heating functionalities, designed for spaces up to 1250 sq.ft. Key features include a 21 SEER2 efficiency rating, quiet operation, and multiple climate control modes.
Please read this manual thoroughly before installation and use, and retain it for future reference.

2. SAFETY INSTRUCTIONS

Important Safety Information:

- Installation must be performed by a qualified and certified HVAC professional in accordance with all local and national electrical and building codes.
- Ensure the power supply matches the unit's specifications (208-230V~60Hz/1PH).
- Do not attempt to repair or service the unit yourself. Contact qualified service personnel.
- Keep children and pets away from the outdoor unit during operation.
- Ensure proper grounding to prevent electrical shock.
- Do not block air inlets or outlets of either unit.

3. PACKAGE CONTENTS

Your KOTEK Mini Split AC/Heating System package includes the following components. Please verify all items are present upon delivery.

What's Included?

Comes with 2 boxes

1. Indoor Unit
2. Remote Control
3. 2 AAA Batteries
4. 6.5 ft Drain Hose
5. Mounting Plate
6. 15 ft Communication Wire
7. Outdoor Unit
8. Tape
9. Putty
10. Wall Sleeve
11. 8 ft Power Line
12. 13 ft Copper Connection Pipe – Liquid Pipe
13. 13 ft Copper Connection Pipe – Air Pipe

Image: Illustration of all components included in the KOTEK Mini Split AC/Heating System package.

- 1 x Indoor Unit
- 1 x Outdoor Unit
- 1 x Remote Control (with 2 AAA Batteries)
- 1 x 13 ft Copper Connection Pipe - Liquid Pipe
- 1 x 13 ft Copper Connection Pipe - Air Pipe
- 1 x 8 ft Power Line
- 1 x 15 ft Communication Wire
- 1 x 6.5 ft Drain Hose
- 1 x Tape
- 1 x Wall Sleeve
- 1 x Putty

Note: Due to its size, this unit typically ships in two separate boxes.

4. SETUP AND INSTALLATION

The KOTEK Mini Split AC/Heating System requires professional installation. Attempting to install the unit

without proper training and tools can lead to damage, void the warranty, and pose safety risks.

Key Installation Considerations:

- **Location:** Select appropriate indoor and outdoor locations that allow for proper airflow, drainage, and access for maintenance.
- **Mounting:** Securely mount the indoor unit to a sturdy wall using the provided mounting plate. The outdoor unit should be placed on a level, stable surface.
- **Refrigerant Piping:** Connect the copper connection pipes between the indoor and outdoor units. Ensure proper flaring and tightening to prevent leaks.
- **Electrical Wiring:** Connect the power line and communication wire according to the wiring diagram provided in the detailed installation guide (not included in this general manual). All electrical work must comply with local codes.
- **Drainage:** Install the drain hose with a continuous downward slope to ensure proper condensate removal.
- **Vacuuming and Refrigerant Charging:** The system must be properly vacuumed to remove air and moisture from the refrigerant lines before releasing refrigerant.

Product Dimensions
It requires professional installation

8.5"

12.5"

38"

22"

31"   12"

Image: Product dimensions for the indoor (38"W x 12.5"H x 8.5"D) and outdoor (31"W x 22"H x 12"D) units. Professional installation is required.

5. OPERATING INSTRUCTIONS

Your KOTEK Mini Split system offers four primary operating modes for year-round comfort, controlled via the included remote.

4-in-1 Air Conditioner

Cool ❄️
Cool Down to
60°F

Heat ☀️
Heat Up to
90°F

Fan 🌀
Low/Medium/High/Turbo Speed

Dry 💧
82 Pints
Day

Image: Visual representation of the four operating modes: Cool (down to 60°F), Heat (up to 90°F), Fan (Low/Medium/High/Turbo speed), and Dry (removes up to 82 Pints/Day).

5.1 Operating Modes

- **Cool Mode:** Provides cooling down to 61°F (16°C). Ideal for warm weather.
- **Heat Mode:** Provides heating up to 90°F (32°C). Suitable for colder conditions.
- **Fan Mode:** Circulates air without cooling or heating. Adjustable fan speeds (Low, Medium, High, Turbo).
- **Dry Mode (Dehumidification):** Reduces humidity in the room, removing up to 82 pints per day.

5.2 Remote Control Functions

Use the remote control to select modes, adjust temperature (60°F to 90°F), set fan speed, and access special features.

5.3 Special Features

- **Sleep Mode:** Optimizes temperature and fan speed for comfortable sleep while operating at a low

noise level (as low as 31 dB).

- **24-Hour Timer:** Program the unit to turn on or off automatically within a 24-hour period.
- **Display-Off Function:** Turn off the indoor unit's LED display for an undisturbed environment, especially during sleep.
- **4-Way Swing:** Adjust the airflow direction horizontally and vertically for even distribution.

Image: A bedroom setting demonstrating the quiet operation of the KOTEK Mini Split AC unit, highlighting its sleep mode and 24-hour timer features, with noise levels below 31 dB.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your KOTEK Mini Split system.

Image: Features of the KOTEK Mini Split AC including 134.6°F high-temperature self-cleaning, auto defrost, ETL certification, and a removable and washable filter.

6.1 Filter Cleaning

The air filter is detachable and washable. Regularly clean the filter by rinsing it with water to maintain consistent airflow and efficiency. Allow the filter to dry completely before reinserting.

6.2 Self-Cleaning Function

The unit features a 135°F (57°C) self-cleaning cycle that helps reduce dust and harmful substances accumulated on the evaporator coil. Refer to your remote control instructions for activating this function.

6.3 Automatic Defrosting

In cold weather, the outdoor unit automatically initiates a defrost cycle to prevent ice accumulation on the coil, ensuring efficient heating performance.

6.4 Professional Maintenance

It is recommended to have the system inspected tend serviced by a qualified technician annually to ensure all components are functioning correctly and to perform deeper cleaning of coils and drainage systems.

7. TROUBLESHOOTING

Before contacting customer support, please check the following common issues:

- **Unit does not turn on:** Check if the power cord is securely plugged in and if the circuit breaker has tripped. Ensure remote control batteries are not depleted.
- **Insufficient cooling/heating:** Verify that the correct mode is selected and the temperature setting is appropriate. Check if air filters are clean and not obstructed. Ensure no windows or doors are open, allowing conditioned air to escape.
- **Unusual noises:** Some operational noises are normal (e.g., refrigerant flow, fan operation). If you hear loud or unusual sounds, power off the unit and contact a technician.
- **Water leakage:** Check if the drain hose is properly installed and not clogged or kinked.

For persistent issues or error codes displayed on the unit, consult a professional HVAC technician or contact KOTEK customer support.

8. SPECIFICATIONS

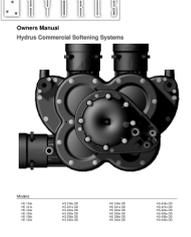| Feature	Specification
Model Number	PI-FP10792US-HS+
Cooling Capacity	17000 BTU
Heating Capacity	17700 BTU
Voltage	208-230V~60Hz/1PH
Max. Input Power	2200W
Max. Input Current	12A
Coverage Area	Up to 1250 sq. ft
Air Flow Rate	618 CFM
Dehumidifying Capacity	82 Pints/Day
Temperature Setting Range	60°F~90°F (16°C~32°C)
SEER2 Rating	21
HSPF Rating	9
Indoor Noise Level	31 dB
Outdoor Noise Level	53 dB
Total Net Weight	97 lbs
Indoor Unit Dimensions (D x W x H)	8.5 x 38 x 12.5 inches
Material	Metal, Plastic
Special Features	4 Way Swing, Auto Clean, Inverter Compressor, Remote Controlled, Sleep Mode

9. Warranty and Support

For specific warranty details regarding your KOTEK Mini Split AC/Heating System, please refer to the warranty card included with your product or contact the seller directly. Warranty terms typically cover manufacturing defects and may vary.

For technical assistance, troubleshooting guidance beyond this manual, or to inquire about service, please contact KOTEK customer support. Contact information can usually be found on the product packaging, the seller's website, or your purchase documentation.

Customer Support: Refer to your purchase receipt or the KOTEK official website for the most current contact information.

Related Documents - PI-FP10792US-HS+

	[COSTWAY Split Air Conditioner Instruction Manual](#) Comprehensive instruction manual for COSTWAY Split Air Conditioners, covering safety precautions, installation guidelines, operating procedures, and maintenance tips. Ensure proper setup and usage for optimal performance.
	[Heat Storm Portable Quartz Infrared Heater User Manual & Safety Guide](#) Comprehensive user manual for Heat Storm portable quartz infrared heaters (HS-1500 series). Includes safety instructions, operation guide, troubleshooting, and warranty information for models like HS-1500-ILO, HS-1500-IMO, HS-1500-ISM, HS-1500-IPR, HS-1500-ILODS, HS-1500-ISA, HS-1500-SISM, and HS-1500-ISMDS.
	[Kinetico Hydrus Commercial Softening Systems Owners Manual](#) Comprehensive owners manual for Kinetico Hydrus Commercial Softening Systems, detailing operation, system configuration, maintenance, troubleshooting, and design features. Covers models HS 118s through HS 442s OD.
	[Raspberry Pi: Making a More Resilient File System Guide](#) Raspberry Pi Ltd.'s whitepaper on preventing data corruption and enhancing file system resilience on Raspberry Pi devices using techniques like tmpfs, overlayfs, pSLC, and off-device storage.

	[Heat Storm Signature Series Radiant Glass Heater Instruction Guide](#) Comprehensive instruction guide for the Heat Storm Signature Series Radiant Glass Heater, detailing safety precautions, installation steps, operational instructions, Wi-Fi connectivity via the Smart Life app, technical specifications, and warranty information.
	[Air Horn Compressor System - HS Series Installation, Operation & Troubleshooting Guide](#) Comprehensive guide for HS-660, HS-550, HS-661, and HS-551 air horn compressor systems. Includes specifications, part lists, safety warnings, installation steps, operation instructions, troubleshooting tips, and disposal information.