

Boreal BRS18HPJ1A

Boreal BRISA 18,000 BTU Mini Split System User Manual

Model: BRS18HPJ1A / 813919021420

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Boreal BRISA 18,000 BTU 16 SEER Wall Mount Ductless Mini Split System. Please read this manual thoroughly before using the product and retain it for future reference.



Figure 1: Boreal BRISA 18,000 BTU Mini Split System components, including the indoor wall-mounted air handler, the outdoor condenser unit, and the wireless remote control.

SAFETY INFORMATION

Always adhere to the following safety precautions to prevent injury or damage to the unit.

- **Professional Installation:** Installation must be performed by a state-licensed HVAC contractor. Improper installation can lead to electric shock, fire, water leakage, and may void the warranty.
- **Power Supply:** Ensure the unit is connected to a 230V power supply. Do not use extension cords or multi-outlet adapters.
- **Refrigerant:** This system uses R410A refrigerant. Handling of refrigerant should only be done by qualified personnel.
- **Electrical Safety:** Do not operate the unit with wet hands. Disconnect power before cleaning or performing maintenance.
- **Clearance:** Maintain adequate clearance around both indoor and outdoor units for proper airflow and maintenance.

SETUP AND INSTALLATION

This section outlines the general steps for setting up your Boreal BRISA Mini Split System. **Note:** Detailed installation instructions are provided in a separate installation manual intended for licensed HVAC professionals. This overview is for informational purposes only.

Components Included:

- Indoor Wall Mounted Air Handler
- Outdoor Condenser Unit
- Wireless Remote Control

Lineset and electrical wiring are required but not included with the system.

Installation Overview:

1. **Indoor Unit Placement:** Select a location on an interior wall that allows for optimal air distribution and drainage. Ensure sufficient space around the unit for maintenance.



Figure 2: The Boreal BRISA indoor unit, designed for wall mounting, showing its sleek white casing and digital display.

2. **Outdoor Unit Placement:** Position the outdoor condenser unit on a stable, level surface, away from direct sunlight or obstructions. Ensure proper airflow and drainage.



Figure 3: The Boreal BRISA outdoor condenser unit, featuring a protective grille over the fan and the Boreal Air Conditioning Inverter branding.

3. **Connecting Refrigerant Lines:** The indoor and outdoor units are connected via refrigerant lines (lineset). This process requires specialized tools and expertise to ensure proper sealing and vacuuming.
4. **Electrical Wiring:** Connect the indoor and outdoor units to the main power supply (230V) and to each other according to wiring diagrams. All electrical work must comply with local codes.
5. **Drainage:** Install drainage lines for condensate removal from the indoor unit.
6. **System Test:** After installation, a licensed technician will perform a system test to verify proper operation, check for leaks, and ensure optimal performance.

OPERATING INSTRUCTIONS

Your Boreal BRISA Mini Split System is controlled by the included wireless remote control.

Remote Control Functions:

- **ON/OFF Button:** Powers the unit on or off.
- **MODE Button:** Cycles through operating modes: Cool, Heat, Fan, Dry, Auto.
- **TEMP ▲/▼ Buttons:** Adjusts the desired temperature setting.
- **FAN Button:** Adjusts fan speed (Auto, Low, Medium, High).
- **SWING Button:** Controls the louver movement for air direction.
- **TIMER Button:** Sets the auto-on or auto-off timer.
- **SLEEP Button:** Activates sleep mode for quiet operation and energy saving during sleep.
- **I FEEL Button:** Activates the "I Feel" function, which senses the temperature at the remote's location for more precise comfort.

Basic Operation:

1. **Power On:** Press the ON/OFF button on the remote control. The indoor unit display will illuminate.
2. **Select Mode:** Press the MODE button repeatedly until your desired operating mode (e.g., Cool for cooling, Heat for heating) is displayed on the remote.
3. **Set Temperature:** Use the TEMP ▲ or ▼ buttons to set your preferred temperature. For optimal energy efficiency, set cooling to 75-78°F (24-26°C) and heating to 68-72°F (20-22°C).
4. **Adjust Fan Speed (Optional):** Press the FAN button to cycle through fan speed options. Auto mode is recommended for general use.
5. **Power Off:** Press the ON/OFF button again to turn the unit off.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Boreal BRISA system. Always disconnect power to the unit before performing any maintenance.

Indoor Unit Maintenance:

- **Air Filter Cleaning:**

The air filters should be cleaned every 2-4 weeks, or more frequently depending on usage and air quality. Open the front panel of the indoor unit, remove the filters, and wash them with lukewarm water and mild detergent. Rinse thoroughly, allow to air dry completely, and then reinsert.

- **Unit Surface Cleaning:**

Wipe the indoor unit's surface with a soft, damp cloth. Do not use harsh chemicals, abrasives, or solvents.

Outdoor Unit Maintenance:

- **Coil Cleaning:**

Periodically check the outdoor coil for dirt, leaves, and debris. Gently clean with a soft brush or rinse with a garden hose. Avoid bending the coil fins.

- **Clearance:**

Ensure that the area around the outdoor unit remains clear of obstructions (e.g., plants, snow, debris) to maintain proper airflow.

- **Professional Inspection:**

It is recommended to have a licensed HVAC technician inspect and service your system annually to ensure all components are functioning correctly and to check refrigerant levels.

TROUBLESHOOTING

Before contacting customer support, please refer to the following common issues and solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power; remote control batteries dead; unit in timer mode.	Check circuit breaker; replace remote batteries; cancel timer setting.
Insufficient cooling/heating.	Dirty air filters; blocked outdoor unit; wrong mode selected; temperature setting too high/low.	Clean air filters; clear obstructions from outdoor unit; select correct mode; adjust temperature setting.

Problem	Possible Cause	Solution
Water leakage from indoor unit.	Blocked drain hose; improper installation.	Clear drain hose obstruction; contact a licensed technician for inspection.
Unusual noise.	Loose parts; fan obstruction; normal operating sounds (e.g., refrigerant flow).	Check for loose parts; remove obstructions; if noise persists or is abnormal, contact a technician.

If the problem persists after attempting these solutions, please contact Boreal customer support or a licensed HVAC technician.

SPECIFICATIONS

Feature	Detail
Brand	Boreal
Model Name	BRISA
Model Number	BRS18HPJ1A / 813919021420
Capacity	18,000 BTU (1.5 Tons)
Seasonal Energy Efficiency Ratio (SEER)	16
Energy Efficiency Ratio (EER)	8.5
Heating Seasonal Performance Factor (HSPF)	9
Coefficient of Performance (COP)	3
Voltage	230 Volts
Power Source	Corded Electric
Refrigerant Type	R 410A
Sound Level (Outdoor)	56 dB
Room Coverage	600 - 1,000 sqft
Special Features	Remote Controlled

Boreal Brisa - Single

INDOOR UNITS

(W x H x D) MEASUREMENT

9,000 BTU	31" x 10.75" x 7"
12,000 BTU	33.25" x 11.25" x 8"
18,000 BTU	38" x 11.75" x 8.75"
24,000 BTU	42.25" x 12.75" x 9"
30,000 BTU	53" x 12.75" x 10"
36,000 BTU	53" x 12.75" x 10"

OUTDOOR UNITS

MEASUREMENT

9,000 BTU	30" x 21.25" x 10"
12,000 BTU	30" x 21.25" x 10"
18,000 BTU	35.75" x 25" x 12.25"
24,000 BTU	35.75" x 25" x 12.25"
30,000 BTU	39" x 31" x 14"
36,000 BTU	39" x 31" x 14"

Figure 4: Dimensions for Boreal Brisa indoor and outdoor units. For the 18,000 BTU model, the indoor unit measures 38" x 11.75" x 8.75" and the outdoor unit measures 35.75" x 25" x 12.25".

WARRANTY INFORMATION

Boreal provides the following manufacturer's warranty for this product:

- **Parts:** Three (3) Years on all parts.
- **Compressor:** Five (5) Years on the compressor.

Important Note: To be eligible for warranty coverage, installation must be performed by a state-licensed HVAC contractor. Please retain your installation receipt and proof of purchase.

CUSTOMER SUPPORT











For technical assistance, warranty claims, or further inquiries, please contact Boreal customer support. Refer to your product packaging or the Boreal official website for the most current contact information.

When contacting support, please have your model number (BRS18HPJ1A / 813919021420) and purchase date

available.

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Related Documents - BRS18HPJ1A

 	<p>Boreal Split Air Conditioner INVERTER Owner's Manual</p> <p>This owner's manual provides essential information for the safe operation, maintenance, and installation of the Boreal Split Air Conditioner INVERTER. It includes precautions, parts identification, operating guides, and troubleshooting tips.</p>
 	<p>BOREAL Kula R32 Split Air Conditioner Owner's Manual Installation & Operation Guide</p> <p>Comprehensive Owner's Manual for the BOREAL Kula R32 Split Air Conditioner. Includes installation, operation, safety precautions, maintenance, and troubleshooting guides for indoor units.</p>
 	<p>BOREAL brisa R32 Owner's Manual - Installation and Safety Guide</p> <p>This owner's manual provides essential information for the BOREAL brisa R32 air conditioner outdoor unit, covering installation procedures, critical safety warnings, operational guidelines, and maintenance tips. It is designed for safe and efficient use of the product.</p>
 	<p>Boreal Heat Pumps Exploded View and Parts List</p> <p>Exploded view and parts list for Boreal Heat Pumps Ener Maxx R32 series, including outdoor and indoor units. Detailed part numbers and descriptions for models ENX24HPJ1320A, ENX36HPJ1320A, ENX48HPJ1320A, ENX60HPJ1320A, ENX24HPJ132AH, ENX36HPJ132AH, ENX48HPJ132AH, and ENX60HPJ132AH.</p>
 	<p>Boreal Heat Pump Parts List and Exploded Views</p> <p>Detailed parts lists and exploded view diagrams for Boreal KUL series heat pump models, including indoor and outdoor units. Find component numbers and descriptions for maintenance and repair.</p>

<div>USER MANUAL</div> <div>BOREAL LED CEILING LIGHT SMARTLED</div> <div>SKU: B08PLAFLE03</div>	<div>Boreal LED Ceiling Light SmartLED User Manual</div> <div>User manual for the Boreal LED Ceiling Light SmartLED, detailing technical specifications, installation, app control (iLink), remote control usage, warnings, maintenance, and safety information.</div>
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