

PowerSmart DB7521

PowerSmart 21-inch Electric Snow Blower

MODEL: DB7521

User Manual

Important Safety Instructions

Read all instructions carefully before operating this electric snow blower. Failure to follow these instructions may result in electric shock, fire, and/or serious injury. Keep this manual for future reference.

- Always wear appropriate personal protective equipment, including eye protection and non-slip footwear.
- Ensure the work area is clear of debris, rocks, and other objects that could be thrown by the auger.
- Do not operate the snow blower in wet conditions or rain.
- Keep hands, feet, and clothing away from moving parts.
- Disconnect power before performing any maintenance or clearing blockages.
- Use only UL-rated extension cords suitable for outdoor use and the snow blower's amperage.
- Do not overload the machine by attempting to clear snow beyond its rated capacity.

Package Contents

Verify that all items are present upon unpacking:

- PowerSmart Electric Snow Blower Unit
- Handle Assembly
- Discharge Chute Assembly
- Hardware Pack (bolts, knobs, clips)
- User Manual

Setup

1. Handle Assembly

Attach the upper handle to the lower handle using the provided bolts and knobs. Ensure the handle is securely fastened and comfortable for operation.

2. Discharge Chute Installation

Mount the discharge chute onto the snow blower body. Secure it with the designated fasteners, ensuring it can rotate freely for snow direction control.



This image illustrates the adjustable discharge chute, capable of rotating 180 degrees to direct snow. The chute is black with red adjustment levers.

3. Power Connection

Connect a suitable outdoor-rated extension cord to the snow blower's power inlet. Ensure the connection is secure and protected from moisture. The unit features overload protection for safety.

Operating Instructions



An overview of the PowerSmart 21-inch Electric Snow Blower, showing its main components including the handle, chute, and auger housing.

1. Pre-Operation Check

- Inspect the area to be cleared for any obstacles.
- Check all fasteners for tightness.
- Ensure the power cord is in good condition and properly connected.

2. Starting the Snow Blower

Press and hold the safety button, then squeeze the bail switch to start the motor. Release the safety button once the motor is running.

3. Clearing Snow

Push the snow blower forward at a steady pace. The 21-inch clearing width and 12.5-inch clearing depth allow for efficient snow removal. The 15-amp motor and 2100 RPM auger can handle up to 800 pounds of snow per minute.



This image shows the snow blower in action, demonstrating its 21-inch clearing width and 12.5-inch clearing depth for maximum efficiency.

4. Adjusting Throw Distance and Direction

Use the adjustable chute deflector and 180-degree rotating chute to control the snow throwing distance (up to 30 feet) and direction. This minimizes repeated passes and optimizes the snow clearing process.



This image illustrates the snow blower's capability to throw snow up to 30 feet away, allowing for efficient clearing of large areas.

5. Using LED Lights

The dual LED lights provide enhanced visibility during operation in low-light conditions, improving safety and convenience.

Maintenance

1. After Each Use

- Disconnect the power cord.
- Clear any remaining snow or ice from the auger housing and chute using a non-metallic tool.
- Wipe down the exterior surfaces with a damp cloth.

2. Periodic Inspection

- Check the auger blades for wear or damage. The reinforced auger is designed for durability.
- Inspect the power cord for cuts, fraying, or exposed wires. Replace if damaged.
- Ensure all nuts, bolts, and screws are tight.



This image highlights the reinforced auger, designed to ensure continuous snow removal and durability.

3. Storage

Store the snow blower in a clean, dry area, away from direct sunlight and moisture. Ensure the power cord is neatly coiled and secured.

Troubleshooting

Problem	Possible Cause	Solution
Snow blower does not start.	Power cord not connected; Safety button/bail switch not engaged; Overload protection activated.	Ensure power cord is securely plugged in. Engage safety button and bail switch simultaneously. Disconnect power, wait a few minutes, then try again. Check for blockages.
Reduced snow throwing performance.	Chute clogged; Auger worn; Wet, heavy snow.	Disconnect power, then clear chute with a non-metallic tool. Inspect auger for damage. Clear smaller sections of snow.

Problem	Possible Cause	Solution
Unit stops during operation.	Overload protection activated; Power interruption; Blockage.	Disconnect power, clear any blockages, wait for motor to cool, then restart. Check power source.

Specifications

Feature	Detail
Brand	PowerSmart
Model Number	DB7521
Manufacturer	Amerisun Inc.
Power Source	AC Corded Electric
Motor	15 Amp
Auger Speed	2100 RPM
Clearing Width	21 inches
Clearing Depth	12.5 inches
Snow Throwing Distance	Up to 30 feet
Product Dimensions	94 cm (D) x 50.8 cm (W) x 96.5 cm (H) / 37 in (D) x 20 in (W) x 38 in (H)
Item Weight	22.68 kg / 50 lbs
Color	Red
Special Features	Dual LED Lights, 180-degree Rotating Chute, Adjustable Chute Deflector, Overload Protection

Warranty and Support

For warranty information or technical support, please refer to the warranty card included with your product or contact PowerSmart customer service. Keep your purchase receipt as proof of purchase. Contact information for support is typically found on the manufacturer's official website or on the product packaging.