

PowerSmart DB5023

PowerSmart DB5023 18-Inch 13 Amp Electric Snow Thrower User Manual

Model: DB5023

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, assembly, and maintenance of your PowerSmart DB5023 18-Inch 13 Amp Electric Snow Thrower. Please read this manual thoroughly before using the product and retain it for future reference.

Important Safety Information

WARNING:

- Always keep hands and other body parts away from the auger and chute.
- Wear appropriate safety gear, including gloves and eye protection.
- Do not operate the snow thrower in enclosed spaces or near flammable materials.
- Store the snow thrower in a dry place, away from children and pets.
- Ensure the power cord is always clear of the auger and discharge path during operation.

2. PRODUCT OVERVIEW

The PowerSmart DB5023 is an electric snow thrower designed for clearing snow from sidewalks, driveways, and patios. It features a powerful 13-amp motor and an 18-inch clearing width.



Figure 1: PowerSmart DB5023 Electric Snow Thrower. This image displays the complete snow thrower unit, highlighting its red and black body, handle, and discharge chute.

Key Features:

- Powerful 13-amp electric motor.
- 18-inch clearing width and 9-inch intake height.
- Rubber-tipped steel auger.
- Throws snow up to 30 feet.
- 180-degree adjustable chute for directional snow discharge.
- Foam-coated hand grip and oversized auxiliary handle for comfort and maneuverability.

3. SETUP AND ASSEMBLY

The PowerSmart DB5023 requires minimal assembly. Follow these general steps:

1. **Handle Assembly:** Attach the upper handle to the lower handle using the provided hardware. Ensure all connections are secure.
2. **Chute Assembly:** Secure the discharge chute to the main unit. Ensure the chute adjustment mechanism is properly connected and functional.
3. **Power Cord Management:** Route the power cord along the handle and secure it with the

provided clips to prevent it from interfering with operation or becoming damaged.

4. **Safety Key Insertion:** Insert the safety key into its designated slot. The unit will not operate without the safety key properly inserted.

Electrical Requirements

This snow thrower operates on 120V, 60Hz, and requires a 13 Amp power supply. Use an outdoor-rated extension cord of appropriate gauge for the length required. Refer to the table below for recommended extension cord specifications:

Extension Cord Gauge Recommendations

Cord Length	Minimum Wire Gauge (AWG)
Up to 50 feet	14 AWG
51-100 feet	12 AWG
Over 100 feet	10 AWG

Important: Using an undersized extension cord can lead to voltage drop, overheating, and damage to the snow thrower motor. Always plug the unit into a ground-fault circuit interrupter (GFCI) protected outlet.

4. OPERATING INSTRUCTIONS

Starting the Snow Thrower

1. Ensure the safety key is fully inserted.
2. Connect the snow thrower to a suitable extension cord and then to a GFCI-protected power outlet.
3. Press and hold the safety button (if applicable).
4. Squeeze the bail switch (handle bar lever) against the main handle to start the motor. Release the safety button once the motor starts.

Operating the Unit

- **Clearing Snow:** Push the snow thrower forward into the snow. For deep or heavy snow, proceed at a slower pace and take narrower passes.
- **Adjusting Chute Direction:** Use the 180-degree adjustable chute handle to direct the snow discharge away from cleared areas, buildings, or people.
- **Optimal Performance:** For best results, clear snow as soon as possible after a snowfall. Avoid operating the unit over gravel surfaces to prevent damage to the auger and property.

Stopping the Snow Thrower

Release the bail switch to stop the motor. Always remove the safety key and disconnect the power cord when the unit is not in use or unattended.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your snow thrower.

- **After Each Use:**

- Disconnect power.
- Clear any snow or debris from the auger housing and chute. Use a cleaning tool, not your hands.
- Inspect the power cord for any damage.

- **Seasonal Maintenance:**

- Inspect the auger for wear or damage. Replace if necessary.
- Check all fasteners for tightness.
- Lubricate moving parts as recommended by the manufacturer (refer to specific instructions if provided in a separate manual).

- **Storage:**

- Clean the unit thoroughly.
- Store in a dry, protected area, away from direct sunlight and moisture.
- Ensure the safety key is removed and stored separately to prevent unauthorized use.

6. TROUBLESHOOTING

Troubleshooting Guide

Problem	Possible Cause	Solution
Snow thrower does not start.	Safety key not inserted. Power cord not connected or damaged. GFCI tripped. Bail switch not engaged.	Insert safety key fully. Check power cord connection and for damage. Reset GFCI. Engage bail switch and safety button simultaneously.
Snow discharge is weak or chute clogs.	Wet, heavy snow. Operating too fast. Debris in chute.	Reduce forward speed. Clear chute with a cleaning tool (ensure power is disconnected).
Chute adjustment mechanism is loose or ineffective.	Loose connection or worn parts.	Inspect and tighten connections. Contact customer support for replacement parts if worn.

If problems persist after attempting these solutions, contact PowerSmart customer support.

7. SPECIFICATIONS

Specification	Value
Brand	PowerSmart
Model Number	DB5023

Specification	Value
Power Source	Corded Electric
Motor	13 Amp
Voltage	120 Volts
Clearing Width	18 Inches
Ideal Snow Depth	9 Inches
Throwing Distance	Up to 30 feet
Item Weight	37 Pounds
Product Dimensions	20.3 x 18.1 x 20.5 inches
UPC	817582010071

8. WARRANTY AND SUPPORT

Warranty Information

The PowerSmart DB5023 Electric Snow Thrower comes with a 1-year limited warranty. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the official PowerSmart website.

Customer Support





For technical assistance, replacement parts, or warranty claims, please contact PowerSmart customer support. Contact information can typically be found on the manufacturer's website or in the packaging materials.

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

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - DB5023

	<p>PowerSmart DB7126 26-inch Two-Stage Gas Snow Thrower Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart DB7126 26-inch two-stage gas snow thrower, covering safety, operation, maintenance, troubleshooting, parts lists, and warranty information.</p>
	<p>PowerSmart 18" Electric Snow Thrower DB5017 Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart 18-inch Electric Snow Thrower (Model DB5017), covering safety, assembly, operation, maintenance, and troubleshooting. Includes product specifications and warranty information.</p>
	<p>PowerSmart 24-inch Two-Stage Gas Snow Thrower Instruction Manual</p> <p>Instruction manual for the PowerSmart 24-inch Two-Stage Gas Snow Thrower, Model DB7124. Covers safety, operation, maintenance, troubleshooting, parts list, and warranty information.</p>
	<p>PowerSmart PSS2240/PSS2240C 24-inch Two Stage Gas Snow Thrower Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart PSS2240 and PSS2240C 24-inch Two Stage Gas Snow Thrower, covering operation, maintenance, safety, and troubleshooting.</p>
	<p>PowerSmart HB7109B 26-inch Two Stage Gas Snow Thrower Instruction Manual</p> <p>This instruction manual provides essential information for the safe operation, maintenance, and troubleshooting of the PowerSmart HB7109B 26-inch Two Stage Gas Snow Thrower. Learn about setup, controls, and safety guidelines.</p>
	<p>PowerSmart DB7109B 26-inch Two-Stage Gas Snow Thrower Instruction Manual</p> <p>Get essential operating and maintenance guidance for the PowerSmart DB7109B 26-inch two-stage gas snow thrower. This manual covers setup, safety, troubleshooting, and more.</p>

