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## Husqvarna ST224

# Husqvarna ST224 Snow Blower Instruction Manual

Model: ST224 (970528602)

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Husqvarna ST224 Snow Blower. Please read this manual thoroughly before operating the machine and keep it for future reference.

## Product Overview

The Husqvarna ST224 Snow Blower is engineered for homeowners requiring a high-performance machine to clear snow from large driveways and pathways. This 24-inch snow thrower features a powerful 212-cc, 5.9-HP engine, a two-stage system for effective snow removal, and user-friendly controls.



Figure 1: Front-side view of the Husqvarna ST224 Snow Blower.

## 2. IMPORTANT SAFETY INFORMATION

Always prioritize safety when operating the snow blower.

- Wear appropriate protective gear, including eye protection, at all times.
- Be cautious of rotating parts; keep hands, feet, and clothing away from the auger and impeller.
- Do not operate the snow blower in low visibility conditions unless the LED headlight is actively in use.
- Ensure the area is clear of debris and bystanders before starting operation.

## 3. SETUP AND ASSEMBLY

Your Husqvarna ST224 Snow Blower may require some assembly before initial use. Refer to the separate assembly guide for detailed instructions. Key setup steps include:

- **Fuel and Oil:** Fill the engine with the recommended type and amount of oil (5W-30 is common for cold weather, consult engine manual for specifics). Fill the fuel tank with fresh, unleaded gasoline.

- **Handlebar Adjustment:** Adjust the interlock handle to one of the four available heights for comfortable and ergonomic operation.
- **Skid Shoes:** Adjust the plastic skid shoes to set the desired clearing height, protecting delicate surfaces like pavers or gravel.
- **Chute Assembly:** Ensure the discharge chute and deflector are securely attached and operational for directing snow.

## 4. OPERATING INSTRUCTIONS

### Starting the Engine

1. Ensure the fuel valve is open and the engine is primed (if applicable, follow engine manufacturer's instructions).
2. Engage the choke for cold starts.
3. Use the push-button electric start for convenient ignition. Alternatively, use the recoil starter by pulling the cord firmly.
4. Once the engine starts, gradually disengage the choke.

### Clearing Snow

- **Two-Stage System:** The efficient two-stage system utilizes a ribbon auger to break up and feed snow to a high-speed impeller, ensuring maximum throwing capacity and minimizing clogging.
- **Speed Control:** The friction-disc transmission offers six forward speeds and one reverse speed. Adjust the speed lever to match snow conditions and your desired pace.
- **Chute Control:** Easily accessible controls allow you to rotate the chute and adjust the vertical throwing direction of the snow. This provides complete control over where the snow is discharged.
- **Power Steering:** Engage the power steering for enhanced maneuverability, making it easier to turn the snow blower, especially in heavy snow.
- **LED Headlight:** For operation in low light conditions, activate the bright LED headlight to illuminate your path and improve visibility.

# Powerful Clearing

Heavy-duty ribbon auger mixes air into snow to help churn through frozen or wet snow



Figure 2: The ribbon auger efficiently mixes air into snow for powerful clearing.

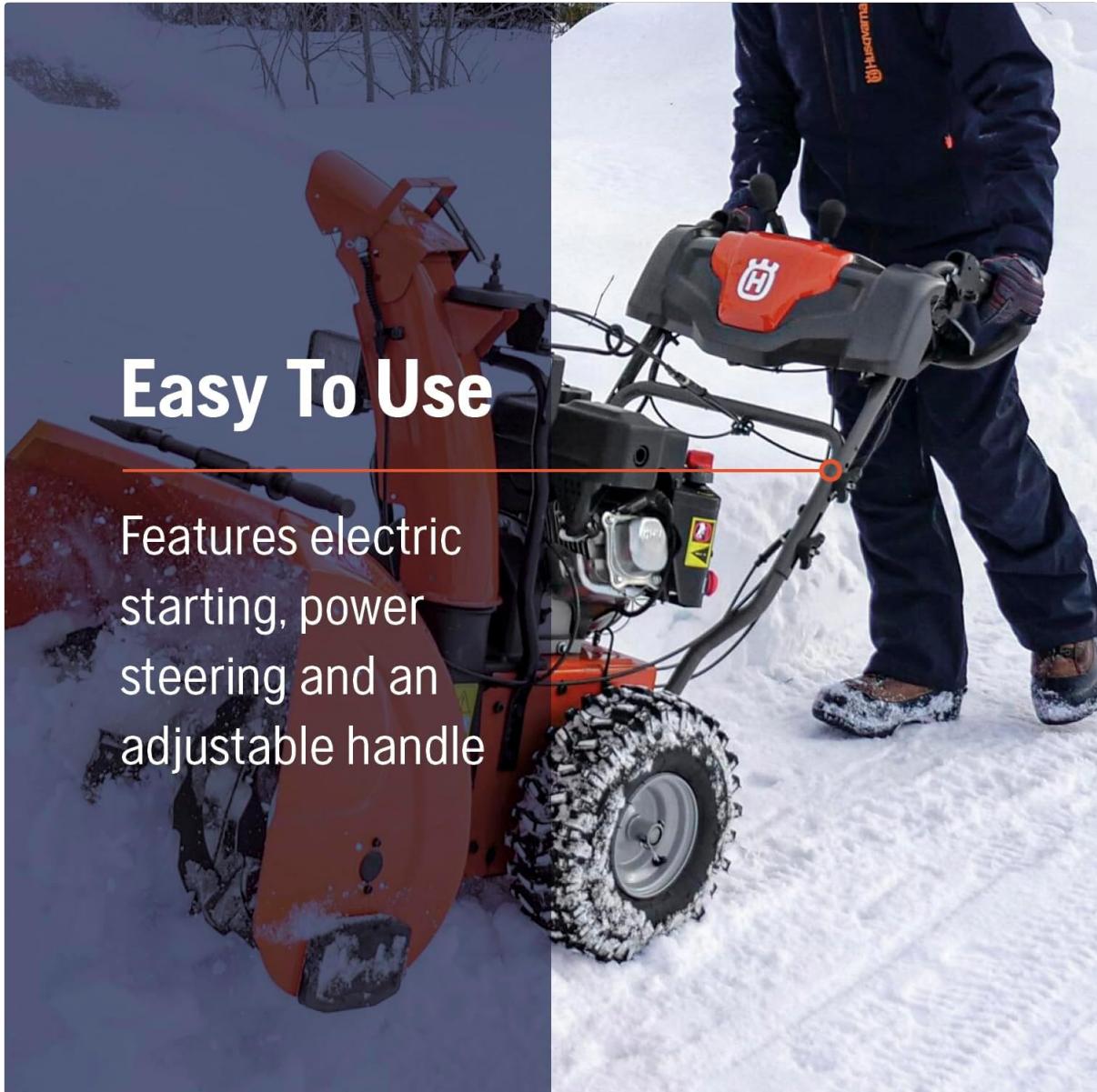


**High Speed Impeller**  
Increases snow  
throwing distance

*Figure 3: High-speed impeller increases snow throwing distance.*

# Easy To Use

Features electric starting, power steering and an adjustable handle



*Figure 4: Features like electric starting and an adjustable handle enhance ease of use.*



*Figure 5: Remote rotator and deflector provide complete chute control.*



*Figure 6: X-trac tires provide increased traction for maneuverability.*



Figure 7: Bright LED headlight illuminates a larger area than traditional incandescent lights.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your snow blower. Always consult the engine manual for specific maintenance schedules and procedures.

- **Oil Changes:** Perform oil changes as recommended by the engine manufacturer, typically after the first few hours of operation and then seasonally.
- **Spark Plug:** Inspect and clean or replace the spark plug annually.
- **Fuel System:** Use fresh fuel and consider a fuel stabilizer for off-season storage to prevent carburetor issues.
- **Auger and Impeller:** Regularly inspect the auger and impeller for wear or damage. Replace shear bolts as needed (see Figure 8).
- **Belts:** Check drive belts for wear and tension. Replace if cracked or stretched.
- **Skid Shoes and Scraper Blade:** Inspect and replace worn skid shoes and scraper blades to maintain efficient clearing and protect surfaces.



Figure 8: Husqvarna Snow Thrower Shear Bolts, essential for auger protection.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your snow blower. For more complex problems, consult a qualified service technician.

Problem	Possible Cause	Solution
Engine won't start	No fuel, old fuel, spark plug issue, choke not set	Check fuel level/freshness, inspect spark plug, adjust choke.
Snow not throwing effectively	Clogged chute, worn shear bolts, worn impeller/auger	Clear chute (with engine off!), replace shear bolts, inspect auger/impeller.
Machine not moving	Drive belt issue, transmission problem	Check drive belt tension/condition, consult service manual.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Husqvarna
Model Number	970528602
Power Source	Gas Powered
Engine Displacement	212 Cubic Centimeters
Engine Type	4 Cycle
Clearing Width	24 Inches
Ideal Snow Depth	23 Inches
Number of Speeds	7 (6 Forward, 1 Reverse)

Feature	Detail
Item Weight	201.6 Pounds
Product Dimensions	58.5"D x 24"W x 40.5"H
Color	Orange
UPC	193028242191

## 8. WARRANTY AND SUPPORT

### Limited Consumer Warranty

The Husqvarna ST224 Snow Blower comes with a **3-Year Limited Consumer Warranty**. For detailed terms and conditions, please visit the official Husqvarna website or refer to the warranty card included with your product.



Figure 9: Husqvarna 3-Year Limited Consumer Warranty.

## Customer Support

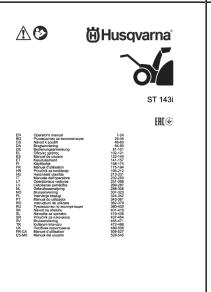
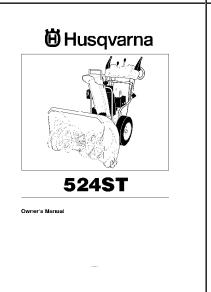
For further assistance, parts, or accessories, please contact Husqvarna customer support or visit their official website. You can also find information on authorized service centers.

**Manufacturer:** Husqvarna

**Official Website:** [www.husqvarna.com/warranty](http://www.husqvarna.com/warranty)

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## Related Documents - ST224

	<p><a href="#"><u>Husqvarna ST224 Operator's Manual</u></a></p> <p>Comprehensive operator's manual for the Husqvarna ST224 snow thrower, covering safety, assembly, operation, maintenance, storage, and troubleshooting.</p>
	<p><a href="#"><u>Husqvarna LST42C 42 Inch Two Stage Snow Thrower Repair Parts Manual</u></a></p> <p>Comprehensive repair parts manual for the Husqvarna LST42C 42 Inch Two Stage Snow Thrower, including hardware, carton contents, and detailed parts lists with reference numbers. Features information from Husqvarna and Agri-Fab.</p>
	<p><a href="#"><u>Husqvarna ST 143i Battery Snow Thrower Operator's Manual</u></a></p> <p>Comprehensive operator's manual for the Husqvarna ST 143i battery snow thrower, covering safety, assembly, operation, maintenance, troubleshooting, and technical specifications. Includes detailed instructions and warnings.</p>
	<p><a href="#"><u>Husqvarna 524ST Snow Thrower Owner's Manual</u></a></p> <p>Comprehensive owner's manual for the Husqvarna 524ST snow thrower, covering safety, operation, maintenance, troubleshooting, and repair parts.</p>

  <p>Operator's Manual 11557541-27 Rev. 4 11557541-27 Rev. 4 English</p>	<p><b><a href="#">Husqvarna ST 224 P Operator's Manual</a></b></p> <p>Comprehensive operator's manual for the Husqvarna ST 224 P snow thrower, covering safety instructions, assembly, operation, maintenance, and troubleshooting.</p>
  <p>15530SB-LS Operator's Manual / 91151030101 / 2999-46</p>	<p><b><a href="#">Husqvarna 15530SB-LS Snow Thrower Operator's Manual</a></b></p> <p>Comprehensive operator's manual for the Husqvarna 15530SB-LS snow thrower, covering safety, preparation, operation, maintenance, and troubleshooting. Includes detailed instructions, specifications, and diagrams.</p>