

Superwinch SX12

Superwinch SX12 12V DC Electric Waterproof Recovery Winch

Model: 1712200 | Brand: Superwinch

INTRODUCTION

This manual provides essential information for the safe and effective operation, installation, and maintenance of your Superwinch SX12 12V DC Electric Waterproof Recovery Winch. Please read all instructions carefully before use to ensure proper function and prevent injury or damage.

SAFETY INFORMATION

- Always wear appropriate safety gear, including gloves and eye protection, when operating the winch.
- Ensure the winch is securely mounted to a structurally sound part of the vehicle or a dedicated winch mount.
- Never exceed the rated line pull capacity of the winch. Refer to the specifications for details.
- Keep hands and clothing clear of the wire rope, fairlead, and drum during operation.
- Inspect the wire rope for frays, kinks, or damage before each use. Replace damaged rope immediately.
- Use a tree trunk protector or similar anchor point to prevent damage to trees or other objects.
- Always use a heavy blanket or recovery damper over the wire rope during winching to absorb energy in case of breakage.
- Disconnect the battery when performing maintenance or installation to prevent accidental operation.

PACKAGE CONTENTS

Verify that all items are present in the package:

- SX12 Winch
- Roller Fairlead
- Corded Handheld Remote
- Mounting Hardware
- Owner's Guide
- Heavy Duty Clevis Winch Hook



Figure 1: Included Components. The image displays the Superwinch SX12 winch along with its accessories, including the roller fairlead, corded remote, mounting hardware, and clevis hook, laid out on a surface.

SPECIFICATIONS

Feature	Detail
Model	SX12 (1712200)
Rated Line Pull	12,000lb (5,443kg) Single Line
Motor	6.0 HP Sealed Motor (12V DC)
Gear Ratio	231:1 (3-Stage Planetary)
Rope Type	3/8 inch x 85 ft Steel Wire Rope
Fairlead	Stainless Steel 4-Way Roller Fairlead
Brake	100% Full Load Holding Automatic Mechanical
Waterproof Rating	IP68
Clutch	Ergonomic Pull-and-Turn, No-Bind Design
Dimensions	22.04 x 6.3 x 9.67 inches
Item Weight	90 pounds

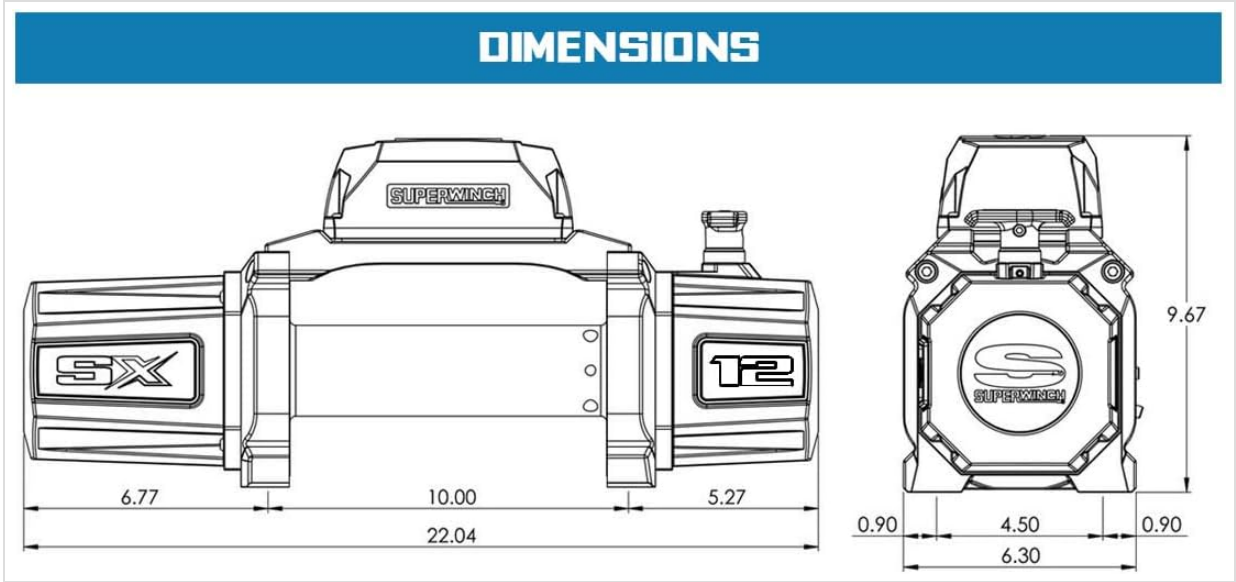


Figure 2: Winch Dimensions. A technical drawing showing the length, width, and height of the Superwinch SX12 winch with detailed measurements.

PULL BY LAYER				
12K Layer/Lbs.		LINE PULL	LINE SPEED	MOTOR
(1) - 12000		Lbs.	Ft./Min.	Amp Draw
		0	23.4	68
(2) - 9535		2000	11.1	160
		4000	8.5	204
(3) - 7910		6000	7.6	248
		8000	6.2	291
(4) - 6759		10000	4.8	335
		12000	3.7	379

Figure 3: Performance Chart. This chart details the line pull capacity by layer and the line speed and amp draw at various load levels for the SX12 winch.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of your Superwinch SX12. It is recommended that installation be performed by individuals with mechanical aptitude or a qualified professional.

- Mounting:** Securely attach the winch to your vehicle's winch mount or bumper using the provided mounting hardware. Ensure the mounting surface is strong enough to withstand the winch's maximum pulling force.
- Electrical Connections:**
 - Connect the winch's power cables to your vehicle's 12V DC battery. Ensure correct polarity (red to positive, black to negative).
 - The SX12 features a relocatable die-cast aluminum control box. Mount this box in a secure location that allows for easy access and proper cable routing.
 - Ensure all electrical connections are tight and protected from corrosion and abrasion.

3. **Fairlead Installation:** Install the stainless steel 4-way roller fairlead to guide the wire rope smoothly and reduce wear.
4. **Wire Rope Attachment:** Securely attach the heavy-duty clevis winch hook to the end of the steel wire rope.



Figure 4: Winch Mounted. The Superwinch SX12 is shown mounted on a vehicle's front bumper, demonstrating its integrated appearance.



Figure 5: Fairlead and Hook. A close-up view of the winch showing the steel wire rope passing through the roller fairlead and attached to the clevis hook.

OPERATING INSTRUCTIONS

1. **Clutch Operation:** The winch features an ergonomic pull-and-turn clutch handle.

- To engage the clutch (for winching), pull the handle up and turn it to the "Engaged" position.
- To disengage the clutch (for free spooling), pull the handle up and turn it to the "Disengaged" position. This allows you to manually pull out the wire rope quickly.



Figure 6: Clutch Handle. A close-up of the winch's pull-and-turn clutch handle, indicating the engaged and disengaged positions.

2. **Remote Control:** The winch comes with a corded handheld remote for safe operation from a distance.

- Plug the remote into the control box.
- Use the "IN" button to retract the wire rope and the "OUT" button to extend it.
- The remote features an integrated rechargeable lithium-ion battery flashlight for night operations.

3. **Winching Procedure:**

- Ensure the vehicle is securely anchored and the area is clear of bystanders.
- Disengage the clutch and pull out enough wire rope to reach the anchor point.
- Secure the clevis hook to the anchor point.
- Engage the clutch.
- Place a recovery damper over the wire rope.
- Operate the winch using the remote control, maintaining a safe distance.

- Spool the wire rope evenly onto the drum. The patented drum light assists with visibility.



Figure 7: Drum Light. The winch drum is illuminated by the patented drum light, enhancing visibility during night-time recovery operations.



Video 1: Superwinch SX Series Winch Product Video. This video provides a visual overview of the Superwinch SX Series winch, highlighting its features and operation.

MAINTENANCE

- Regularly inspect the winch, wire rope, and all connections for signs of wear, damage, or corrosion.
- Clean the winch after use, especially after exposure to mud, water, or salt. The IP68 rating ensures protection from elements, but cleaning prolongs lifespan.
- Ensure the wire rope is spooled neatly and tightly on the drum. Uneven spooling can damage the rope and reduce winch efficiency.
- Check battery terminals and connections for corrosion and tightness.

TROUBLESHOOTING

- **Winch not operating:** Check battery connections, ensure the clutch is engaged, and verify the remote

control is properly connected and functioning.





- **Slow winching speed:** This may indicate a low battery charge or an overloaded winch. Reduce the load or ensure the battery is fully charged.
- **Unusual noises:** Discontinue operation immediately and inspect the winch for any mechanical issues or obstructions.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the Owner's Guide included in your package or visit the official Superwinch website. Contact the manufacturer directly for assistance with product issues or replacement parts.

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Related Documents - SX12

	<p>SUPERWINCH SX10 & SX12 Recovery Winches Installation and Operation Manual</p> <p>Comprehensive installation and operation guide for SUPERWINCH SX10 and SX12 Recovery Winches, covering setup, wiring, remote features, safe operation, rigging, de-rigging, and troubleshooting for optimal performance and safety.</p>
	<p>Superwinch Electric Winch User Manual and Safety Guide</p> <p>Comprehensive guide to the safe installation, operation, and maintenance of Superwinch electric winches. Includes safety warnings, operating procedures, troubleshooting, and parts lists.</p>
	<p>Superwinch Product Catalog: Winches and Recovery Gear</p> <p>Explore the comprehensive Superwinch product catalog featuring a wide range of winches, recovery gear, bumpers, and accessories for automotive, ATV/UTV, industrial, and export applications. Discover proven performance and durability.</p>
	<p>Van Compass 4126 Front Winch Mount Installation Guide for Ram ProMaster (2013-2022)</p> <p>Detailed installation instructions for the Van Compass 4126 Front Winch Mount for Ram ProMaster vehicles (2013-2022). Includes parts list, tools needed, and step-by-step guidance for bumper and component modifications.</p>

