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COXREELS 112Y-12-CM

Coxreels 112Y-12-CM Challenger Storage Reel User Manual

Model: 112Y-12-CM | Brand: COXREELS

1. Introduction

The Coxreels 112Y-12-CM Challenger Storage Reel is designed for efficient storage and management of electrical cords or hoses. This professional-grade reel features heavy-duty steel construction, ensuring durability and safety for various industrial and home improvement applications. This manual provides essential information for the safe and effective setup, operation, and maintenance of your storage reel.



Figure 1: Coxreels 112Y-12-CM Challenger Storage Reel

2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the equipment:

- Read and understand all instructions before operating the reel.
- Wear appropriate personal protective equipment (PPE) when handling or operating the reel.
- Inspect the reel for any damage or loose components before each use. Do not operate if damaged.
- Ensure the reel is placed on a stable, level surface or securely mounted before loading or operating.
- Do not overload the reel beyond its specified capacity for cord or hose length and gauge.
- Keep hands and clothing clear of moving parts during winding and unwinding.
- Use the reel only for its intended purpose of storing and managing cords or hoses.

3. Product Features

The 112Y-12-CM Challenger Storage Reel incorporates several design elements for performance and durability:

- **U Shaped Frame Design:** Features a solid, one-piece, heavy-gauge all-steel U-shaped frame, providing a professional-grade, compact, lightweight, and simple design.

- **CNC Spun Discs:** Equipped with heavy-duty CNC robotically spun and ribbed discs with rolled edges, enhancing strength, durability, hose protection, and operator safety.
- **Open Drum:** Designed for hassle-free hose wrap, featuring an open port for easy pass-through of any type of hose, cord, or cable.
- **Durable Finish:** Includes a long-lasting, chip-resistant, and rust-inhibiting CPC powder coat finish.
- **Control Bar:** Integrated control bar prevents the hose, cord, or cable from slipping off the disc.
- **Direct Hand Crank:** Provides a direct hand crank for easy mechanical retraction.
- **Made in USA:** Manufactured in the United States.

4. Components Included

The following components are included with your Coxreels 112Y-12-CM Challenger Storage Reel:

- 112Y Series Storage Reel
- Hand Crank

5. Setup and Installation

The 112Y-12-CM reel can be used in a freestanding configuration or mounted for permanent placement.

5.1 Freestanding Use

Place the reel on a flat, stable surface. Ensure there is sufficient clearance around the reel for safe operation and to prevent entanglement of the cord or hose.

5.2 Mounting (Optional)

If permanent installation is desired, the reel can be mounted to a suitable surface. Use appropriate hardware (not included) for the mounting surface. Ensure the mounting location is structurally sound and can support the weight of the reel and its full capacity of cord or hose.



Figure 2: Reel U-frame for stability and mounting

5.3 Loading the Cord or Hose

1. Ensure the reel is empty and clean.
2. Feed one end of the cord or hose through the open port of the drum.
3. Secure the end of the cord or hose to the drum if applicable, or ensure it is held firmly to prevent it from pulling through.
4. Begin winding the cord or hose onto the reel using the hand crank, ensuring it lays evenly across the drum.
5. Do not overfill the reel. Leave sufficient space to prevent the cord or hose from binding or falling off the discs.

6. Operating Instructions

The Coxreels 112Y-12-CM is operated manually using the integrated hand crank.

6.1 Unwinding the Cord or Hose

1. Ensure the reel is stable. If freestanding, you may need to brace it with your foot.
2. Grasp the end of the cord or hose and pull it gently away from the reel. The drum will rotate, allowing the cord or hose to unwind.
3. Pull only the necessary length of cord or hose.

6.2 Winding the Cord or Hose

1. Ensure the cord or hose is free of kinks and obstructions.
2. Turn the hand crank in the appropriate direction to retract the cord or hose onto the drum.
3. Guide the cord or hose evenly across the drum to prevent tangling and maximize storage capacity. The control bar assists in this process.
4. Do not force the crank if resistance is met; check for obstructions or tangles.



Figure 3: Hand crank for manual operation

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your storage reel.

- **Cleaning:** Periodically clean the reel with a damp cloth to remove dirt, dust, and debris. Avoid harsh chemicals that may damage the powder coat finish.
- **Inspection:** Regularly inspect the reel for any signs of wear, damage, or loose fasteners. Pay attention to the frame,

discs, and crank mechanism. Tighten any loose bolts or screws.

- **Lubrication:** For smoother operation, apply a small amount of powdered graphite or a suitable lubricant to the sleeve bearings and moving parts of the crank mechanism as needed.
- **Storage:** When not in use, store the reel in a clean, dry environment to prevent rust and corrosion.

8. Troubleshooting

This section addresses common issues you might encounter with your storage reel.

8.1 Difficulty Winding/Unwinding

- **Cause:** Cord/hose is tangled, kinked, or unevenly distributed on the drum.
- **Solution:** Unwind the cord/hose completely and re-wind it carefully, ensuring even layering.
- **Cause:** Bearings are dry or dirty.
- **Solution:** Clean and lubricate the sleeve bearings and crank mechanism as described in the Maintenance section.
- **Cause:** Reel is overloaded.
- **Solution:** Ensure the cord/hose length and gauge are within the reel's capacity.

8.2 Cord/Hose Twisting

- **Cause:** Improper winding technique or using the reel while connected to an outlet (for electrical cords).
- **Solution:** Always unwind the cord/hose fully before use and wind it back evenly. Avoid using the reel as a live extension while still partially wound, as this can induce twisting.

9. Specifications

Attribute	Detail
Brand	COXREELS
Model Number	112Y-12-CM
Material	Steel
Color	Blue
Style	Caddy Mount
Item Dimensions (L x W x H)	13 x 20.88 x 14.75 inches
Installation Method	Freestanding, Mounted
Operation Mode	Manual
Included Components	112Y Series- Hand Crank

10. Warranty and Support

For warranty information, technical support, or service inquiries, please contact Coxreels directly through their official website or customer service channels. Retain your purchase receipt for warranty claims.

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