KYOCERA WI-125

Kyocera WI-125 125kg Electric Winch Instruction Manual

Model: WI-125 | Brand: KYOCERA

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Kyocera WI-125 125kg Electric Winch. Please read this manual thoroughly before using the product and keep it for future reference.
The Kyocera WI-125 is a versatile and compact electric winch designed for lifting and moving cargo. It features a lightweight design and an anti-reverse winding function for enhanced safety and ease of use.

2. Safety Information

Always prioritize safety when operating the electric winch. Failure to follow safety instructions can result in serious injury or equipment damage.

- Ensure the winch is securely mounted before operation.
- Do not exceed the maximum lifting load of 125kg.
- Keep hands and loose clothing away from moving parts, especially the wire rope and drum.
- Inspect the wire rope for wear or damage before each use. Replace if necessary.
- Do not operate the winch if the power cord or control cable is damaged.
- Ensure the work area is clear of personnel and obstructions during operation.
- Use appropriate personal protective equipment (PPE) such as safety helmets and gloves.
- Never leave the winch unattended while in operation.

3. Product Features

- **General-Purpose Design:** Standard type winch suitable for various lifting applications.
- **Compact and Lightweight:** Easy to transport and install, weighing approximately 11kg.
- **Anti-Reverse Winding Function:** Prevents unintended reverse winding of the wire rope, enhancing operational safety.
- **Durable Construction:** Main body made from aluminum die-cast, with a robust steel wire rope.
- **Efficient Lifting:** Capable of lifting up to 125kg with a lifting speed of 38cm/s.

4. Specifications

Specification	Value
Model Number	WI-125
Maximum Lifting Load	125 kg (0.13 t)
Lifting Speed	23 m/min (38 cm/s)
Wire Rope Dimensions	5.0 mm diameter × 21 m length
Lifting Height	20 m
Power Consumption	1100 W
Current	12 A
Power Supply	Single-phase 100 V
Power Cord Length	5 m
Operation Cord Type	2-point push button
Operation Cord Length	10 m
Dimensions (Depth × Width × Height)	202 mm × 227 mm × 350 mm
Main Unit Weight	11 kg
Body Material	Aluminum Die-cast
Wire Rope Material	Steel

5. Setup and Installation

Proper setup is crucial for safe and effective operation.

1. **Mounting the Winch:** Securely attach the winch to a stable and load-bearing structure using appropriate fasteners. Ensure the mounting point can support the winch's weight plus the maximum load.
2. **Power Connection:** Connect the 5m power cord to a single-phase 100V power outlet.
3. **Control Connection:** Connect the 10m operation cord to the designated port on the winch.
4. **Wire Rope Inspection:** Before first use, and periodically thereafter, inspect the entire length of the wire rope for any kinks, fraying, or damage. Ensure it is properly wound on the drum.

Image: Kyocera WI-125 Electric Winch being used to lift materials on a construction site. A worker operates the remote control while another worker is positioned higher up.

Image: A close-up view of the Kyocera WI-125 Electric Winch lifting a bucket filled with construction material. The winch is mounted on a yellow arm.

6. Operating Instructions

Follow these steps for safe operation of your electric winch.

1. **Pre-Operation Check:**
    - Verify the winch is securely mounted.
    - Ensure the load does not exceed 125kg.
    - Check the wire rope for any damage or tangles.
    - Confirm the power and control cables are properly connected and undamaged.
2. **Attaching the Load:** Securely attach the load to the hook. Ensure the load is balanced and stable.
3. **Lifting/Lowering:** Use the 2-point push button control to operate the winch.
    - Press the "UP" button to lift the load.
    - Press the "DOWN" button to lower the load.
    - Release the button to stop the operation.
4. **Monitoring:** Continuously monitor the load and the wire rope during operation. Stop immediately if any unusual sounds or movements occur.
5. **Limit Switches:** The winch is equipped with limit switches that automatically stop the lifting or lowering operation when the hook reaches its upper or lower limit, preventing over-travel.

Your browser does not support the video tag.

Video: This video demonstrates the basic operation of an electric winch, showing how to use the control buttons for lifting and lowering. Note: The specific model shown in the video may vary.

7. Maintenance

Regular maintenance ensures the longevity and safe operation of your winch.

- **Cleaning:** Keep the winch clean and free from dust, dirt, and debris. Use a dry cloth for cleaning.
- **Lubrication:** Periodically lubricate moving parts as recommended by the manufacturer (refer to specific product documentation if available).
- **Wire Rope Inspection:** Regularly inspect the wire rope for signs of wear, corrosion, or damage. Replace the wire rope if any damage is found.
- **Electrical Connections:** Check all electrical connections for tightness and signs of corrosion.
- **Storage:** Store the winch in a dry, clean place when not in use.

8. Troubleshooting

This section addresses common issues and their potential solutions.

1. **Winch does not operate:**
    - Check if the power cord is securely plugged in and the power supply is active.
    - Inspect the power cord and control cable for damage.
    - Verify the emergency stop button (if present) is disengaged.
    - Check the fuse. If the fuse is blown, replace it according to the instructions below.
2. **Wire rope is tangled or stuck:**
    - Do not repeatedly press the "UP" or "DOWN" buttons, as this can blow the fuse.

- Carefully inspect the wire rope for any obstructions or improper winding.
- If the wire rope is severely tangled, it may require disassembly of the winch to untangle or replace the rope.

3. **Winch lifts but does not lower, or vice versa:**
    - This could indicate an issue with the control buttons or internal wiring. Refer to the troubleshooting video for potential solutions.

Your browser does not support the video tag.

Video: This video provides answers to frequently asked questions regarding electric winch use, including troubleshooting common issues like the winch not operating or wire rope problems. Note: The specific model shown in the video may vary.