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ELECTRIC HOIST USER MANUAL

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"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

VEVOR®

TOUGH TOOLS, HALF PRICE

ELECTRIC HOIST

MODEL:WX440-1 / WX880-1 / WX1320-1 / WX2200-1

YX440-1 / YX880-1 / YX1320-1 / YX1760-1 / YX2200-1






NEED HELP? CONTACT US!


Have product questions? Need technical support? Please feel free to contact us:

 CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

IMPORTANT SAFEGUARDS

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This symbol, placed before a safety comment, indicates a kind of precaution, warning, or danger. Ignoring this warning may lead to an accident. To reduce the risk of injury, fire, or electrocution, please always follow the recommendation shown below.
	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.

 **WARNING:** Read all safety warnings, instructions, illustrations and specifications provided with this machine. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Basic Safety Information

1. Please read the operation manual carefully before using the electric hoist.
2. To Reduce the Risk of Electric Shock or Injury, Use Indoors Only.
3. The installation position of the electric hoist must be selected at the place that meets the needs and is convenient for operation.
4. Regularly check whether the hoist is firmly installed.
5. Please do not overload and do not use the hoist when the weight of the lifted object is not clear.
6. Do not operate hoist with twisted, kinked, or damaged wire rope. Inspect wire rope carefully before every use.
7. During lifting, it is not allowed to pull or lift heavy objects at an angle to

avoid danger.

8. Do not operate a damaged or malfunctioning hoist. Inspect hoist carefully and test operation before every use.

9. Do not lift people or lift loads over people. Falling loads can injure or kill people.

10.No one is allowed to stand under the lifting object when lifting the heavy object with the hoist.

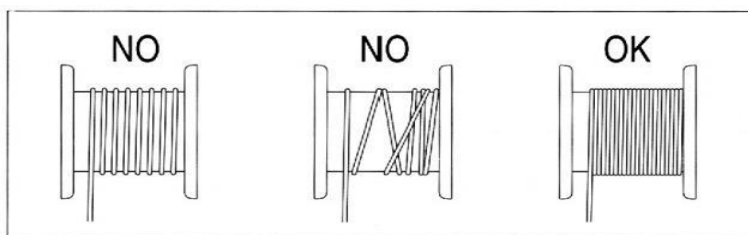
11.When operating the wire rope, please wear thickened gloves, and do not let the wire rope slip through your hand, so as to avoid slipping or stabbing.

12.This electric hoist shall not carry people in any way or be used as an elevator lifting tool.

13. The operator should not operate the electric hoist under the condition of drinking, taking medicine or being ill.

14.Do not modify or weld the parts of the electric hoist at will.

15.When lifting the hoist, ensure that at least 3 coils of wire rope are retained on the rope barrel to prevent the wire rope from falling off the rope barrel due to excessive stress.



16. Before starting the work,make sure that the steel cable is correctly wound around the reel and the pitch is equal to the cable diameter.

17.The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

SAVE THESE INSTRUCTIONS

PRODUCT PARAMETERS

Model	WX440-1	WX880-1	WX1320-1	WX2200-1	YX440-1	YX880-1	YX1320-1	YX1760-1	YX2200-1
Control Mode	Wireless Control				Wire Control				
Load Capacity / lb	220/440	440/880	660/1320	1100/2200	220/440	440/880	660/1320	880/1760	1100/2200
Net Weight / kg	9.25	15	15.9	25.9	9.4	14.5	15.3	16.5	25.2
Input Power / W	480	850	1150	1600	480	850	1150	1450	1600
Cable Diameter / mm	3	4	4	6	3	4	4	5	6
Voltage	120V/60Hz								
Lifting Height	6/12 m								
Lifting Speed	5/10 (m/min)								
Work Rate	20% 10min								
Insulating Grade	B								

PRODUCT COMPONENTS



A. electric hoist (x1)



B. fixing ring(X2)



**C. screw/gasket/
gasket ring (X4)**



D. sling 4 meter (x1)



**E. sling 1 meter with
ring (x1)**

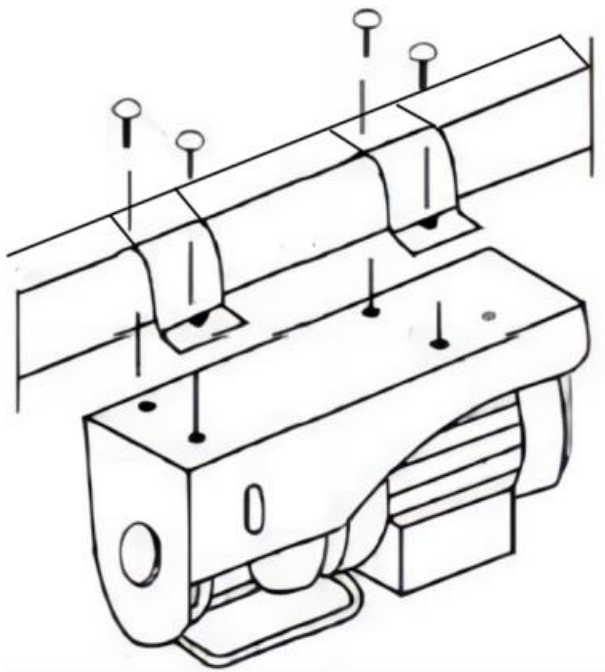


**F. hook (x1)
used in double line
mode**

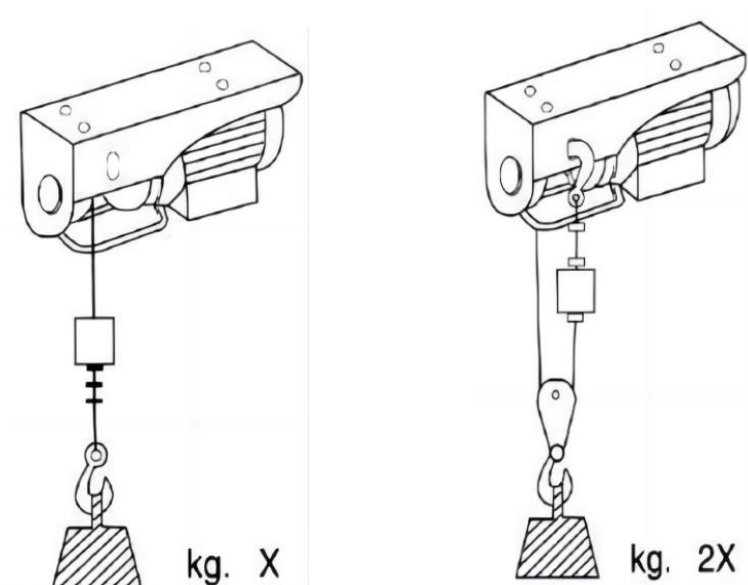
INSTALLATION INSTRUCTIONS

1. Install the electric hoist (A) on the beam with fixing rings (B) and screw/gasket/gasket ring (C), and pay attention to screw tightening.

Note: The installation position must be strong enough to support the load of the electric hoist during operation.



2.It can be installed into single line mode or double line mode as required. More load is available in double line mode, but will need to be replaced with a new hook in the accessory pack (F).



single line mode

double line mode

3.Be sure to tear off the tape wrapped around the rope drum before the machine can be tested. If the machine is tested in a hurry, it may cause the wire rope rewinding and damage the limit frame.



WARNING: Gloves, safety helmet and steel-toed work boots should be worn during installation and use.

TROUBLE SHOOTING

Electric hoist after long-term use or improper operation may occur a variety of failures; common failure causes and elimination methods see the following table.

Common Failure		Cause Analysis	Handling Suggestion
1	Press the remote control button to switch but the motor does not turn.	<ol style="list-style-type: none"> 1.The power supply is disconnected. 2.The cable connection position is broken or loose. 3. The switch is faulty. 4.Capacitor damage. 5.If the rise button fails, it may be that the limit frame is not reset or the switch is out of order. 6.The emergency stop switch is not reset. 	<ol style="list-style-type: none"> 1.Turn on the power. 2.Check the cable connection and repair it. 3.Repair or replace the switch. 4.Replace a Capacitor. 5.Check the limit frame or the travel switch. 6. Reset the emergency stop switch.
2	After pressing the remote control button to switch, the motor is noisy and can not start normally.	<ol style="list-style-type: none"> 1.The power supply voltage is too low. 2.Capacitor damage. 3.The remote control switch is in poor contact. 	<ol style="list-style-type: none"> 1.Adjust the power supply voltage. 2.Replace the capacitor.. 3.Repair or replace the switch.
3	Brake failure or excessive slip.	Please contact the sales unit or the company.	
4	Excessive noise during operation.	<ol style="list-style-type: none"> 1.Poor lubrication. 2.Gear or bearing is damaged. 3.Poor assembly or parts are damaged. 	<ol style="list-style-type: none"> 1.Add grease. 2.Check and replace the gear or bearing. 3.Check whether the parts are properly assembled and repair the damaged parts.

5	Electrification of machine casing.	<p>1.The ground is faulty or ungrounded.</p> <p>2.Ground the internal conductor with the housing.</p>	<p>1.Check and repair the ground cable.</p> <p>2.Check and repair the internal cables.</p>
6	The limit mechanism is faulty and the lifting instruction is contrary to the execution result.	Improper operation caused the wire rope to reverse wrap around the drum.	Press the lift switch to make the hook drop to the bottom and the wire rope completely out of the rope barrel, and then start the normal work.

MAINTENANCE AND REPAIR

Maintenance

1. Check the screws fixing the electric hoist regularly.
2. Remove dust or corrosive liquid accumulated on the cable in time
3. The newly purchased electric hoist is filled with lubricating oil for lifetime maintenance. There may be a small amount of oozing when operating the miniature electric hoist, especially during the first operation. This is normal, do not need to refuel the electric hoist.
4. Check the wire rope regularly. If the wire rope is worn, replace it in time.
5. Repair or replacement of hoist components must be performed only by a qualified technician using only identical replacement parts with the same rating.
6. Note the following regarding specific components:
 - a. Replace damaged or worn hooks. Do not repair them by welding or reshaping.
 - b. Replace or repair all critical parts that are cracked, broken, bent, excessively worn, or missing.
 - c. Replace missing or illegible warning labels.
 - d. Replace pitted or burned electrical contacts as complete sets.
 - e. Keep controller function labels on pendant control stations and master switches legible.
7. Do not repair load-sustaining members by welding. Replace them as needed.
8. Lubricate all moving parts regularly using grease.
9. After maintenance work is completed and before restoring the hoist to normal operation:
 - a. Reinstall guards;
 - b. Reactivate safety devices;
 - c. Remove replaced parts and loose material;
 - d. Remove maintenance equipment.

Frequent Inspection

Perform the procedures in this section BEFORE INITIAL USE and AT

LEAST MONTHLY. Inspection is needed more often for heavily used hoists.

1. Check operating mechanisms for proper operation, proper adjustment, and unusual sounds such as, but not limited to, binding noise of the wire rope and bearing squeal.

2. Check hoist upper limit device without a load on the hook at the beginning of each shift. Exercise care. Run the load block into its limit device at slow speed.

3. Frequent Braking System Inspection

a. The braking system must automatically stop and hold up to the rated load if the operating controls are released and in the event of complete power failure.

b. Braking systems must limit the speed of load during lowering, with or without power, to prevent uncontrolled or rapid lowering.

4. Frequent Hook Inspection

Check hooks for the following problems:

a. distortion, such as bending, twisting, or increased throat opening;

b. wear;

c. cracks, nicks, or gouges;

d. latch engagement (if equipped);

e. damaged or malfunctioning latch (if equipped);

f. hook attachment and securing means.

5. Frequent Hoist Rope Inspection. All ropes should be visually inspected by the operator or other designated person at the start of each shift.

6. Check wire rope reeving.



WARNING! TO PREVENT SERIOUS INJURY FROM HOIST

FAILURE: Do not use damaged equipment. If any defect or damage is noted, have the problem corrected before further use.

Periodic (Thorough) Inspection

The procedures in this section AT LEAST YEARLY. Inspection is needed more often for heavily used hoists.

Remove or open access covers to allow inspection of components.

1. First, follow all Frequent Inspection procedures.

Additionally:

2. Check fasteners for evidence of loosening.

3. Check load blocks, suspension housings, clevises, yokes, suspension bolts, shafts, gears, bearings, pins, rollers, and locking and clamping devices for evidence of wear, corrosion, cracks, and distortion.

4. Check hook retaining nuts or collars, and pins, welds, or rivets used to secure the retaining members for evidence of damage.

5. Check load sprockets, idler sprockets, drums, and pulleys for evidence of damage and wear.

6. Check the motor brake and load brake for evidence of wear.

7. Check electrical apparatus for evidence of pitting or deterioration of controller contacts.

8. Check supporting structure or trolley, if used, for evidence of damage.

9. Check warning label for legibility and replacement.

10. Check end connections of wire ropes for evidence of wear, corrosion, cracks, damage, and distortion.

11. Check the hoist and hoist mounting for evidence of missing parts.



WARNING! TO PREVENT SERIOUS INJURY FROM HOIST

FAILURE: Do not use damaged equipment. If any defect or damage is noted, have the problem corrected before further use.

Storage Inspection

1. A hoist that has been idle for a period of a month or more, but less than a year, must be inspected before being used according to the Frequent Inspection requirements.

2. A hoist that has been idle for a period of a year or more, must be inspected according to the Periodic Inspection requirements and then tested according to the procedure in the Testing section below before being used.

Testing

1. Before use, test repaired hoists and hoists that have not been used for a year or more.
2. Check all functions of the hoist, including lifting and lowering, with the hoist unloaded first.
3. After testing in the unloaded state, attach a 200 lb. load and retest to check proper load control and to check brake operation.
4. Test the trip-setting of limit devices under no-load conditions. Test first by hand, if practical, and then under slowest speed. Test with increasing speeds up to maximum speed. Check that actuating mechanisms are located so that they will trip the switches or limiting devices in sufficient time to stop motion without causing damage to any part of the hoist.

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