

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [YATOINTO](#) /

› [YATOINTO 1540LB 3-in-1 Electric Hoist Winch User Manual](#)

YATOINTO PEH34-OR3

YATOINTO 1540LB 3-in-1 Electric Hoist Winch User Manual

Model: PEH34-OR3

1. SAFETY INFORMATION

WARNING: Read and understand all instructions before operating this electric hoist. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Always inspect the hoist, wire rope, and hooks for damage or wear before each use.
- Ensure the hoist is securely mounted to a stable structure capable of supporting the maximum load.
- Do not exceed the rated load capacity of 1540 lbs (698 kg).
- Utilize the safety limit switch to prevent over-lifting or over-lowering.
- Ensure the 360-degree rotating forged alloy hook with safety latch is properly engaged before lifting.
- Avoid running the hoist without a load during its initial use to ensure proper function.
- Keep hands and loose clothing away from moving parts, especially the wire rope and drum.
- Do not use the hoist to lift people or animals.
- Always maintain a clear path for the load and be aware of your surroundings.
- In case of overload, the hoist features overload protection and will automatically stop. Address the overload condition before resuming operation.

2. PRODUCT OVERVIEW AND FEATURES

The YATOINTO 1540LB 3-in-1 Electric Hoist Winch is designed for efficient and versatile lifting and towing tasks. It offers multiple control methods and robust safety features.

2.1 Control Methods

This hoist provides three distinct control options for maximum flexibility:

- **Manual Control:** Direct operation using the buttons on the unit for quick tasks near the machine.
- **Wired Remote Control:** Offers precise control for close-range operations.
- **Wireless Remote Control:** Provides freedom of movement with an effective range of up to 200 feet (60 meters), ideal for long-distance or complex lifting tasks. (AAA Batteries Included for wireless remote).

3-IN-1 CONTROL

Operate conveniently with three control modes.
Manual, Wired, and Wireless



Manual

Use manual control for quick and immediate tasks directly near the machine.



Wired

Enjoy freedom with the 200ft wireless remote, ideal for long distance and complex lifting tasks.



Wireless

Operate safely with the 23ft wired remote for precise control during close-range operations.

Figure 1: The YATOINTO electric hoist offers three control methods: manual, wired, and wireless, providing operational flexibility.

2.2 Enhanced Safety Features

Safety is paramount with this hoist, incorporating several protective mechanisms:

- **Safety Limit Switch:** Automatically stops the hoist to prevent accidents from over-lifting or over-lowering.
- **Reinforced Crane Mechanism:** Provides structural integrity for heavy loads.
- **360-Degree Rotating Forged Alloy Hook:** Equipped with a safety latch for superior load-bearing capacity and secure attachment.
- **Overload Protection:** Automatically shuts down the unit if the load exceeds its rated capacity.

ENHANCED SAFETY FEATURES

From lifting to locking, our hooks, cables, and switches keep things secure — so you don't have to!



Figure 2: Key safety features of the hoist, including the rotating hook, durable steel rope, and automatic limit protection.

2.3 Industrial Grade Materials

Constructed with high-quality components for durability and reliable performance:

- **High-Efficiency Pure Copper Motor:** Features multiple copper windings for stable operation and a long lifespan.
- **Galvanized Anti-Rotation Wire Rope:** Offers enhanced durability and resistance to corrosion and twisting.
- **Aluminum Shell Gearbox:** Protects the motor and internal components, enhancing overall durability.

1500W Motor with Efficient Cooling

Experience powerful lifting with the 1500W motor.



Figure 3: The hoist is powered by a 1500W motor designed for powerful and efficient lifting with effective cooling.

2.4 Thoughtful Design Details

- **Waterproof Remote Control Handle:** Ensures durability and convenience in various working conditions.
- **High-Strength Bearings:** Extend the lifespan of the device.
- **LED Indicator:** Provides a quick status check of the hoist's operation.
- **Dust Cap Design:** Ensures stable connections for control handles.

2.5 Versatile Applications

This electric winch is suitable for a wide range of lifting and towing tasks, including:

- Gardens
- Forests
- Factories
- Warehouses
- Construction Sites

It offers versatile installation options, allowing horizontal or vertical mounting in garages or ceilings to meet diverse space requirements.

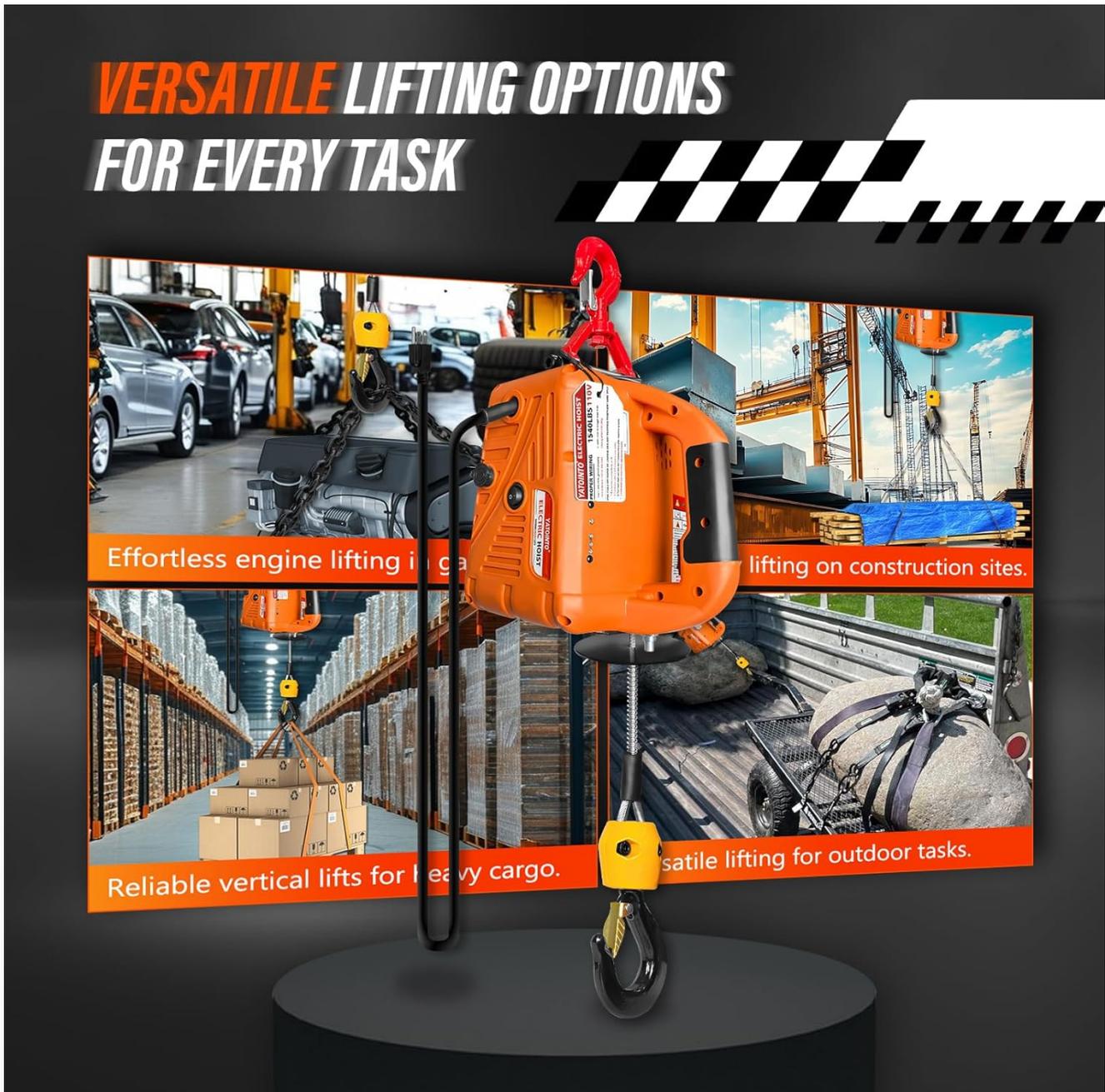


Figure 4: The hoist is designed for versatile use, capable of handling engine lifting, construction tasks, vertical cargo lifts, and outdoor applications.

3. SETUP

3.1 Mounting the Hoist

1. Identify a suitable mounting location that is structurally sound and can safely support the hoist and its maximum rated load.
2. The hoist can be mounted horizontally or vertically. Ensure the mounting hardware (not included) is appropriate for the chosen orientation and surface.
3. Securely attach the hoist using appropriate bolts, nuts, and washers. Double-check all connections for tightness.

3.2 Connecting Controls

1. For wired remote control, connect the aviation-grade plug of the wired remote to the corresponding port on the hoist. Ensure the dust cap is removed and the connection is secure.
2. For wireless remote control, ensure AAA batteries are installed in the remote. The hoist is typically pre-paired with the wireless remote.

Your browser does not support the video tag.

Video 1: This video demonstrates the various features of the VEVOR Electric Hoist Winch, including its 360-degree rotating hook, wired remote switch, 1500W all-copper motor, dust cover, high-strength alloy hook, insulated handle, limit switch, manual control switch, galvanized steel cable, security lock, 180-degree vertical adjustment, aviation-grade plug, and its lightweight, portable design.

It also shows the hoist in operation, lifting a package with the wired remote control.

Your browser does not support the video tag.

Video 2: This video demonstrates the practical application of the 3-in-1 Electric Hoist, showing a user lifting a rooftop tent onto a truck. It highlights the ease of use and the ability to perform heavy lifting tasks with a single operator.

4. OPERATING INSTRUCTIONS

4.1 Pre-Operation Check

- Verify the power supply (120V) is correctly connected.
- Ensure the load is properly secured to the hook and the safety latch is closed.
- Confirm the lifting path is clear of obstructions.

4.2 Lifting and Lowering

1. **Manual Control:** Press the 'Up' or 'Down' button directly on the hoist unit to raise or lower the load.
2. **Wired Remote Control:** Use the 'Up' and 'Down' buttons on the wired remote for precise control.
3. **Wireless Remote Control:** Utilize the 'Up' and 'Down' buttons on the wireless remote for remote operation.
4. Operate the hoist smoothly. Avoid sudden starts or stops.
5. Monitor the load and the hoist during operation. The LED indicator provides status feedback.
6. The hoist will automatically stop if it reaches its upper or lower limit, or if an overload condition occurs.

Your browser does not support the video tag.

Video 3: This video showcases the NEWTRY Infrared Electric Hoist, highlighting its reliable infrared limit sensor, robust heavy-duty hook, working status indicator panel, and industrial-grade control buttons. It demonstrates the 360-degree rotatable fall arrest tongue and the auto-detection stop feature at 5 cm. The video also illustrates the three operation modes: handle button control, remote control (up to 120M), and wired controller (up to 6M).

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your YATOINTO Electric Hoist.

- **Wire Rope Inspection:** Regularly check the galvanized anti-rotation wire rope for kinks, fraying, corrosion, or other damage. Replace if any damage is found.
- **Hook Inspection:** Inspect the forged alloy hook and safety latch for deformation, cracks, or wear. Ensure the latch operates freely.
- **Motor and Gearbox:** Keep the motor and aluminum shell gearbox clean and free from dust and debris. Ensure proper ventilation.

- **Control Units:** Check wired and wireless remote controls for damage. Ensure buttons function correctly.
- **Lubrication:** Consult a qualified technician for periodic lubrication of internal moving parts as per industry standards for hoists.
- **Cleaning:** Wipe down the exterior of the hoist with a damp cloth. Do not use harsh chemicals or immerse in water.

6. TROUBLESHOOTING

If you encounter issues with your hoist, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Hoist does not operate.	No power supply; Power switch off; Overload protection activated; Limit switch engaged.	Check power connection; Turn on power switch; Reduce load; Reset limit switch by lowering the hook slightly.
Wireless remote not responding.	Dead batteries; Out of range; Interference.	Replace AAA batteries; Move closer to the hoist; Reduce potential sources of interference.
Wired remote not responding.	Loose connection; Damaged cable.	Ensure the aviation-grade plug is securely connected; Inspect cable for damage and replace if necessary.
Hoist stops during operation.	Overload protection activated; Limit switch engaged; Power interruption.	Reduce load; Check for limit switch engagement; Verify stable power supply.
Unusual noise during operation.	Lack of lubrication; Damaged internal components.	Contact a qualified technician for inspection and lubrication; Do not operate if noise persists.

If problems persist after attempting these solutions, contact customer support for assistance.

7. SPECIFICATIONS

YATOINTO®

 **Lifting Speed: 16.4FT/min**

 **Max Lifting Height: 25ft**

 **Weight Capacity: 1,540lbs**

 **Motor Power: 1500W**

 **Cable Length: 23ft**
(for wired remote)

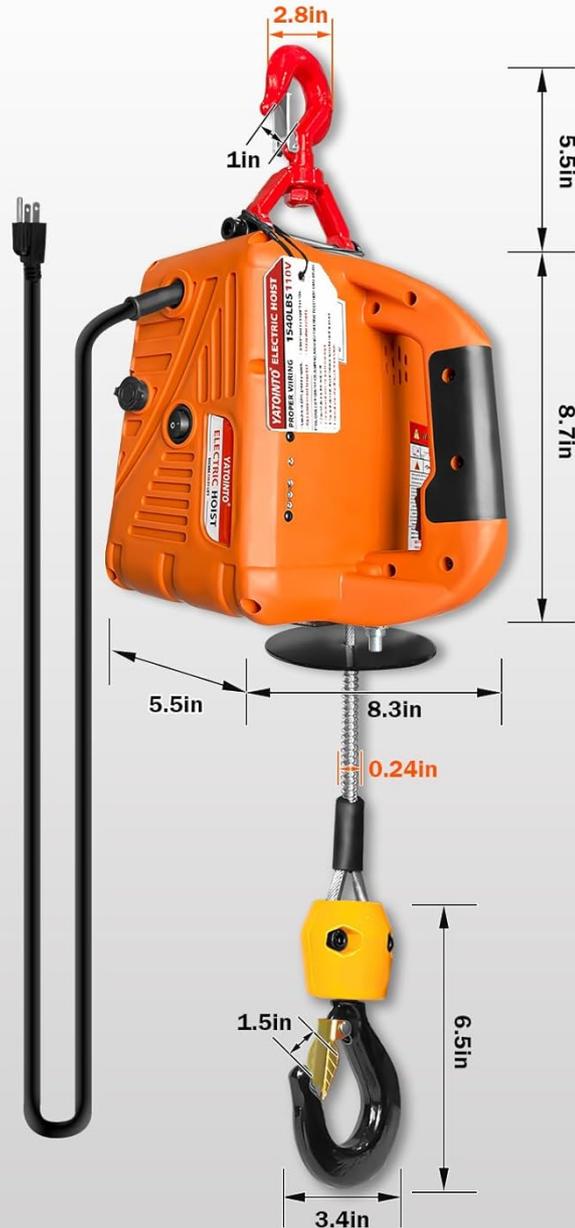


Figure 5: Detailed specifications and dimensions of the YATOINTO electric hoist.

Specification	Value
Manufacturer	YATOINTO
Model Number	PEH34-OR3
Size	1540LB - 3 in 1
Colour	Orange
Item Weight	12.1 kg (26.68 lbs)
Parcel Dimensions	32.38 x 27.94 x 27.3 cm (12.75 x 11 x 10.75 inches)
Included Components	Electric Hoist x1
Lifting Speed	16.4 ft/min (5 m/min)
Max Lifting Height	25 ft (7.62 m)

Specification	Value
Weight Capacity	1540 lbs (698 kg)
Motor Power	1500W
Cable Length (for wired remote)	23 ft (7 m)

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided with your product packaging or visit the official YATOINTO website.