

Vestil EPFC-25

Vestil EPFC-25 Steel Electric Powered Floor Crane User Manual

Model: EPFC-25 | Brand: Vestil

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of the Vestil EPFC-25 Steel Electric Powered Floor Crane. Please read this manual thoroughly before operating the unit to ensure proper usage and to prevent injury or damage.

The Vestil EPFC-25 is a fully powered electric floor crane designed for lifting and maneuvering heavy loads in industrial environments. Its robust construction and integrated safety features make it a reliable tool for material handling.

SAFETY INFORMATION

Always prioritize safety when operating the EPFC-25. Failure to follow safety guidelines can result in serious injury or equipment damage.

- Ensure all operators are trained and familiar with this manual.
- Inspect the crane before each use for any signs of damage or wear.
- Do not exceed the rated load capacity of 2500 lbs.
- Operate only on level surfaces. The unit is not recommended for use on inclined surfaces greater than 4 degrees.
- Keep hands and feet clear of moving parts.
- Utilize the emergency stop button in hazardous situations.
- Ensure the load is properly secured with the safety latch on the hook before lifting.

SETUP AND INITIAL OPERATION

Upon receiving your Vestil EPFC-25, perform the following steps before initial use:

1. **Unpacking:** Carefully remove the crane from its packaging. Verify all components are present and undamaged. The unit typically ships as a complete crane.
2. **Initial Battery Charge:** The unit includes two product-specific batteries. Before first use, fully charge the batteries using the integral battery charger. Connect the charger to a standard power outlet. The battery level gauge will indicate charging status.
3. **Familiarization:** Locate all controls: the ergonomic handle with throttle, lift/lower controls, emergency stop button, and emergency reverse belly switch.

4. **Pre-Operation Check:** Before each use, check the condition of the wheels, hydraulic system, and all safety mechanisms. Ensure the emergency battery disconnect is in the 'ON' position.



Figure 1: The Vestil EPFC-25 Electric Powered Floor Crane, showcasing its compact design and control handle.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of the EPFC-25:

1. **Power On:** Ensure the emergency battery disconnect is engaged. The battery level gauge will illuminate.
2. **Maneuvering:** Use the ergonomic handle to steer the crane. The throttle on the handle provides infinite adjustment of forward and reverse speeds. Gently twist the throttle to control movement. The poly-on-steel steer and load wheels allow for smooth navigation.
3. **Lifting Loads:** Position the crane directly over the load. Securely attach the load to the heavy-duty rigid hook, ensuring the safety latch is closed. Use the controlled lift/lower controls on the handle to raise or lower the boom. The high-torque DC lift motor provides powerful lifting capability.
4. **Emergency Reverse Function:** In case of an emergency where the operator is pinned, activate the emergency reverse

belly switch. This instantly reverses the direction of the unit, moving it forward (away from the operator) until the switch is released or after 1.5 seconds. A built-in safety circuit will disable the unit if the switch is held for more than 1.5 seconds, requiring a manual reset.

5. **Braking:** The unit features an electromagnetic disc brake with an automatic dead-man feature. Releasing the handle will automatically activate the brake, bringing the unit to a stop.
6. **Adjusting Legs:** The crane features adjustable length legs to accommodate various operational needs. Consult the specific mechanism for leg adjustment on your unit.



Figure 2: An operator demonstrating the use of the Vestil EPFC-25, highlighting its maneuverability.



Figure 3: The Vestil EPFC-25 positioned within a warehouse environment, ready for material handling tasks.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your EPFC-25.

- **Battery Care:** Fully charge the batteries after each shift or extended use. Avoid deep discharges. Periodically check battery terminals for corrosion and clean if necessary.
- **General Inspection:** Regularly inspect all moving parts, including wheels, bearings, and hydraulic cylinders, for wear or damage.
- **Hydraulic System:** Check hydraulic fluid levels periodically. Consult a qualified technician for any hydraulic system issues or leaks.
- **Cleaning:** Keep the unit clean and free of debris. Use a damp cloth for cleaning; avoid harsh chemicals.
- **Fasteners:** Periodically check all bolts, nuts, and fasteners to ensure they are tight.

TROUBLESHOOTING

This section addresses common issues you might encounter with your EPFC-25.

Problem	Possible Cause	Solution
Unit does not power on.	Emergency battery disconnect is off; depleted battery; faulty wiring.	Engage disconnect; charge battery; inspect wiring (contact service if needed).
Unit does not move.	Throttle not engaged; brake engaged; safety circuit activated.	Engage throttle; ensure handle is not released; reset unit if safety circuit was activated for too long.
Boom does not lift/lower.	Overload; low hydraulic fluid; motor issue.	Reduce load; check hydraulic fluid; contact service.
Emergency reverse activates unexpectedly.	Belly switch obstructed or faulty.	Clear obstruction; inspect switch (contact service if faulty).

SPECIFICATIONS

- **Model:** EPFC-25
- **Brand:** Vestil
- **Load Capacity:** 2500 Pounds (Retracted)
- **Dimensions (L x W x H):** 80 x 30 x 63 inches
- **Item Weight:** 865 pounds
- **Color:** Yellow
- **Batteries:** 2 Product Specific batteries (included)
- **UPC:** 691215103732

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation provided at the time of purchase or contact Vestil customer support. For additional assistance, technical support, or to order replacement parts, please refer to the official Vestil website or contact their customer service department.

A comprehensive User Manual in PDF format is also available for download:[Download User Manual \(PDF\)](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question