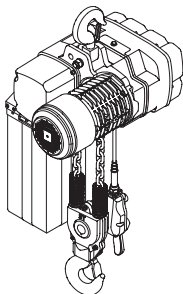


Electric Chain Hoist

EVLK Series: 1/2 to 5 ton



Product Safety Information

- EN Product Safety Information
- ES Información de seguridad sobre el producto
- FR Informations de sécurité du produit
- PT Informações de Segurança do Produto



Save These Instructions



TL-EVLK-SIM

Edition 1

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Product Description

These EVLK Series Electric Chain Hoists are electric powered and designed to lift and lower loads. These hoists are not designed to lift, support or transport people. They can be installed as a stationary or mobile unit.

NOTICE

Continuing improvement and advancement of design may cause changes to this hoist which are not included in this manual. Manuals are periodically revised to incorporate changes. Always check the manual edition number on the front cover for the latest issue.

General Safety Information

DANGER

The ground (earth), green or green/yellow wire, must not carry any power. When hoist is supplied with a trolley, the power supply is enclosed in the Trolley Relay Box.

- Read and understand this and all other supplied manuals before installing, operating, repairing, maintaining, changing accessories on, or working near this product.
- Failure to observe the following warnings, and to avoid these potentially hazardous situations, could result in death or serious injury.
- It is your responsibility to make this safety information available to others that will operate this product. Failure to follow standards and regulations can cause personal injury.
- Electrical installation should be performed by licensed electricians in accordance with the latest edition of the National Electrical Code (ANSI/NFPA 70) and any applicable local, state and national electrical codes and ordinances.

Placing in Service

WARNING

- The supporting structures and load-attaching devices used in conjunction with these hoists must provide a liberal safety factor. This is the customer's responsibility. If in doubt, consult a registered structural engineer.
- The hoist or hoist/trolley combination selected can weigh as much as XXX lbs. (XX kg). If parts of the trolley or hoist are dropped, they can cause injury or property damage.
- Adequately support the hoist and trolley when lifting item into place on the beam.
- Only allow personnel trained in safety and operation of this hoist to operate this product.
- Only operate a hoist if you are physically fit to do so.
- Check that the hook latches are engaged before using.

When in Use

General Hazards

- Do not use this hoist for lifting, supporting, or transporting people or lifting or supporting loads over people.
- When a **"DO NOT OPERATE"** sign is placed on the hoist, or controls, do not operate the hoist until the sign has been removed by designated personnel.
- Before each shift, check the hoist for wear and damage. Never use a hoist that inspection indicates is worn or damaged.

- Never use the load chain as a sling.
- Do not force hook into place by hammering.
- Be certain the load is properly seated in the saddle of the hook.
- Do not support the load on the tip of the hook.
- Never run the chain over a sharp edge.
- Never use the hoist for lifting or lowering people, and never allow anyone to stand on a suspended load.
- Do not leave load suspended when hoist is not in use.
- Never weld or flame cut a load suspended by the hoist.

Operating Hazards

- A swinging load can cause injury and/or damage to property. Do not allow load to swing freely.
- Hoist operation must be in accordance with the control pendant symbols. If hoist does not operate in accordance with control pendant symbols then hoist is misphased. Should this be the case for three phase hoists, switch any two power cables.
- Make sure chain stopper is attached to load chain.
- Do not use hoist if hook latch has been sprung or broken.
- Never lift a load greater than the rated capacity of the hoist. Refer to capacity labels attached to hoist.
- Do not use more than one hook on a single load.
- Only operate a hoist when the chain is centered over the hook. Do not "side pull" or "yard".
- Never operate a hoist with twisted, kinked or damaged chain.
- Pay attention to the load at all times when operating the hoist.
- Make sure everyone is clear of the load path. Do not lift a load over people.
- Do not swing a suspended load.
- Do not operate hoist if chain jumping, excessive noise, jamming, overloading, or binding occurs.
- Avoid collision or bumping of hoist.

Electrical Hazards

- Before connection of the Electric Chain Hoist, check to make sure that the voltage specified on the serial number label matches that which is available.
- Shut off electrical supply before performing any maintenance.

Workplace Hazards

- Do not operate Electric Chain Hoists in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Electric hoists create sparks which may ignite the dust or fumes.
- After use, or when in a non-operational mode, the chain hoist should be secured against unauthorized and unwarranted use.

Entanglement Hazards

- Do not pile chain carelessly in the chain container. Piling the chain carelessly into the container by hand may lead to kinking or twisting that can jam the hoist.
- Avoid clamping, knotting and crushing of electrical cable. Check cable clamps and anchoring devices are securely attached and tight.
- Never place your hand inside the throat area of a hook.

Maintenance and Service

- After performing any maintenance on the hoist, test hoist before returning hoist to service.
- Never perform maintenance on a hoist system while supporting a load. Disconnect power from hoist system.
- Do not use trichloroethylene to clean parts.
- Refer all communications to the nearest **Ingersoll Rand** Material Handling office or distributor.

NOTICE

The Occupational Safety and Health Act of 1970 generally places the burden of compliance with the user, not the manufacturer. Many OSHA requirements are not concerned or connected with the manufactured product but are, rather, associated with the final installation. It is the owner's and user's responsibility to determine the suitability of a product for any particular use. It is recommended that all applicable industry, trade association, federal, state and local regulations be checked. Read all operating instructions and warnings before operation.

Rigging: It is the responsibility of the operator to exercise caution, use common sense and be familiar with proper rigging techniques. Refer to ASME B30.9 for rigging information, American National Standards Institute, 1430 Broadway, New York, NY 10018.

The National Safety Council, Accident Prevention Manual for Industrial Operations, Eighth Edition and other recognized safety sources make a common point: Employees who work near suspended loads or assist in hooking on or arranging a load should be instructed to keep out from under the load. From a safety standpoint, one factor is paramount: conduct all lifting operations in such a manner that if there were an equipment failure, no personnel would be injured. This means keep out from under a raised load and keep out of the line of force of any load.

This manual has been produced by **Ingersoll Rand** to provide dealers, mechanics, operators and company personnel with the information required to install, operate, maintain and repair the products described herein.

It is extremely important that mechanics and operators be familiar with the servicing procedures of these products, or like or similar products, and are physically capable of conducting the procedures. These personnel shall have a general working knowledge that includes:

- Proper and safe use and application of mechanic's common hand tools as well as special **Ingersoll Rand** or recommended tools.
- Safety procedures, precautions and work habits established by accepted industry standards.

Ingersoll Rand cannot know of, or provide all the procedures by which product operations or repairs may be conducted and the hazards and/or results of each method. If operation or maintenance procedures not specifically recommended by the manufacturer are conducted. Make sure that product safety is not endangered by the actions taken. If not sure of an operation or maintenance procedure or step, personnel should place the product in a safe condition and contact supervisors and/or the factory for technical assistance.

Ingersoll Rand recognizes that most companies who use hoists have a safety program in force at their facility. In the event that some conflict exists between a rule set forth in this publication and a similar rule already set by an individual company, the more stringent of the two should take precedence.

Safe Operating Instructions are provided to make an operator aware of unsafe practices to avoid and are not necessarily limited to the following list. Refer to specific sections in the manual for additional safety information.

Warning Labels and Tag

Do not remove any labels. Replace any damaged label. Labels provide information required for safe use of the product.



Safety Explanation - Explanation of Safety Signal Words

DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or property damage.

NOTICE

Indicates information or a company policy that relates directly or indirectly to the safety of personnel or protection of property.

Warning Symbol Identification



Read Manuals Before Operating Product

Product Parts Information



CAUTION

The use of other than genuine Ingersoll Rand replacement parts may result in safety hazards, decreased tool performance and increased maintenance, and may invalidate all warranties.

NOTICE

Hoist repairs should be carried out by designated trained personnel. Consult your nearest Ingersoll Rand certified service center, or lift care specialists for additional information.

Original instructions are in English. Other languages are a translation of the original instructions.

Manuals can be downloaded from ingersollrand.com

Refer all communications to the nearest **Ingersoll Rand** office or distributor.

Notes:

[ingersollrand.com](https://www.ingersollrand.com)

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