

Buying Guide

How to use Just Electric Chain Hoists.com

Browse Products

If you click on the browse products link in the left navigation of our site, you will see a variety of ways to browse Just Electric Chain Hoists.com. Each of these options show our products organized differently, so that you may browse in which ever way is most convenient and helpful for you.

Search

If you are looking for a specific model number or want to find specific hoists, the search box at the top of the page is your best option. To use the search box, type in the keywords for your search criteria, and then click Go. For example, type "JLC" or "Coffing 2 Ton" or "5 Ton".

How to choose a hoist

Capacity

It is very important to never lift any load heavier than the rated capacity on a hoist. This can cause safety problems, increase maintenance costs, and decrease the longevity of the hoist. To decide which capacity you will need, figure out the weight of your maximum load and round up to the next highest capacity rating. For example, if your maximum load is 3,500 lbs, you would need a 2 Ton (4,000 lbs) capacity hoist. A good rule of thumb to follow is: the average load to be lifted by the hoist should be half of the rated capacity.

Duty Cycle

All of our hoists have H3, H4, or greater ratings. These ratings are based on HMI (Hoist Manufacturers Institute) standards.

- **H3** - Standard Duty: General Machine shop, fabricating, assembly storage, and warehousing, where loads and utilization are randomly distributed, with a running time of equipment not exceeding 15-25% of the work period
- **H4** - Heavy Duty: High volume handling in steel warehousing machine shops fabricating plants, mills and foundries. Manual or automatic cycling operations in heat treating and plating operations. Total running time of equipment normally approaches 25 – 50 % of work period, with loads at or near rated capacity frequently handled.

Lift

Measure the distance between the lowest point on the floor you need to reach (make sure to think about lowering into basement or sub-floor areas) and the bottom of the beam or suspension point. From this, subtract the headroom dimension of the hoist you choose. The distance number you have left is the lift required for your hoist. Always select a standard lift that is equal to, or greater than the distance you require.

Please feel free to contact us with any questions or comments:

E-mail: info@justelectricchainhoists.com

Phone: 1-866-884-4061

Suspension

Choosing a suspension is important for being able to position your hoist exactly where you need it. If you choose a trolley option, you must specify the flange width for the beam that you plan to put the hoist on. Most trolleys are adjustable in a range of widths that is indicated in the product details section under the “add to cart” button. If you do not already have a beam to put your hoist on, patented track is available for most hoists. Just Electric Chain Hoists.Com can also supply you with everything you need to create a crane system. Call us to find out more.

- **Hook Suspension** – Standard on most hoists. The hoist can be hung anywhere that will support the maximum load. Hooks can be rigid (no rotation) or swivel (amount of rotation varies by hoist)
- **Lug Mount** – Usually required on high capacity hoists. Good for hoist that will permanently be in one location. Lug mount provides more stability than hook mount.
- **Manual Push Trolley** – An economical method for moving light loads and lifts under 25 feet
- **Hand Geared Trolley** – Most favorable for short runways where precision load placement is required.
- **Motorized Trolley** – Recommended for long spans or where constant speed is required. Some hoists have optional 2-speed or variable speed motorized trolleys.

Lift Speed

For most average industrial applications, a single-speed motor is appropriate. Two-speed and variable (inverter) speed hoists are recommended when more precise control is necessary. Higher lift speeds require larger horsepower motors. Adding a larger motor can increase headroom, amp draw, and change voltage/ phase requirements.

Power Supply Voltage

Most hoists are available in single-phase and three-phase. Single phase hoists can be 115 V or 230 V. Three phase hoists can be 230 V or 460 V. An electrician may be needed to determine if your current power supply will be able to handle your new electric chain hoist. Other voltages are available; please call us if you have a special voltage requirement.

Control Voltage

The voltage that runs through the pendant is called the control voltage. Lower control voltage can ensure the safety of the operator. Typically 24 V or 115 V is standard.

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JustElectricChainHoists.com

Manufacturers

Just Electric Chain Hoist.com only carries the manufactures that we trust to deliver our customer quality electric chain hoists. Each of these manufacturers has something different to offer. Choosing the best manufacturer for you depends which hoist attributes are most important in your application. To find out more about each of our manufacturers, click the "Our Manufacturers" link in the left side navigation.

First Time Hoist Buyers

Request for Quote

A good way to ensure that you get the right hoist for your application is to send us an RFQ Form. This form can be found by clicking the "Request Quote" link in the left side navigation. Please fill out this form as accurately and in-depth as possible to ensure that we meet your specific needs. One of our sales representatives will process your form and send you a quote within 1 week.

Commonly used terms

Please see our other resource "[Glossary of Terms](#)"

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