■ SWL UP TO 20 TONNES ■ UNLIMITED HOL ■ MANUAL & ELECTRIC TROLLEY OPTIONS

YOUR LES® QUICK GUIDE TO

ELECTRIC CHAIN HOISTS

Struggling to choose the right Electric Chain Hoist for your application? Well, this LES® Quick Guide will give you all the information you need to know to make the most informed purchasing decision for your business.

WHAT SHOULD I CONSIDER WHEN CHOOSING AN ELECTRIC CHAIN HOIST?

SAFE WORKING LIMIT (SWL): is the maximum weight you intend on lifting. Many users like to have a little margin between the actual maximum load weight and hoist SWL, often resulting in customers opting for 'the next size up' approach. This is not essential but can lead to faster lifting speed, lower impact, and extended lifecycles.

HEIGHT OF LIFT (HOL): is typically measured in metres from the lowest load level to the underside of the beam/hoist body. It is better to have a longer lifting height than one too short.

SUSPENSION METHOD: is the way that your hoist is suspended. This might be from a simple static suspension point such as a top hook with safety catch or eye type lug that is simply bolted to the hoist body – ideal for hoists that are not required to travel horizontally.

For hoists that require horizontal traverse, a manual 'push' beam trolley can be specified, as well as single or dual speed electric trolley models.

> "Often resulting in customers opting for a next size up approach"

LES® LIFTING EQUIPMENT STORE®

SUPPLY VOLTAGE: is the type of electricity being fed to the hoist – basically the power type at your facility. In residential applications, this is typically 110v or 230v (UK domestic 3Pin Plug) Single Phase.

Whereas, in industrial applications, this is usually Three Phase 400v. We recommend if the supply is available that you purchase a 400v three phase hoists as these are the most cost-effective, have the largest duty ratings, and offer dual speed operation.

NUMBER OF CHAIN FALLS: The best stability and reduced load sway comes from models with two falls of chain. However, this can result in a very heavy hoist when working with twice as much chain. They tend to have slower lifting speeds, while hoist bodies tend to be smaller than those of the equivalent SWL in single fall.

A two fall hoist chain is similar to a normal single fall chain but instead of attaching directly to a load hook, a two fall hoist chain will reeve in, around a chain wheel and out of a bottom block assembly. Single fall units where the hook is bolted directly into a hook can run faster, often are able to be set to two fall formats to increase lifting capacity and reduce speed- however, this can be an expensive conversion.

MOTOR DUTY: How often will you use your hoist? How many times per hour? Full or part lists? These considerations determine which hoist is right for you.

SINGLE OR DUAL SPEED: Ideally dual speed is best because you get a slow (creeping) speed and a fast (normal) speed. Single phase units, however, will only operate in single speed, one of the downfalls to single phase hoists. Three phase units usually offer dual speed operation in both the hoist and the trolley (if electric), this makes ideal smooth and precise movements.

> **We recommend if the supply is available that you purchase a 400v Three Phase hoist**

WHAT ELSE CAN I ADD TO MY ELECTRIC CHAIN HOIST SETUP?

There are several additional items that you can add to your electric chain hoist assembly to further improve safety, efficiency, and overall productivity. They are as follows…

RADIO CONTROL SYSTEMS: Our radio control systems enable you to control your hoist or crane from up to 150m distance (dependant upon type of system and environment). Designed for industrial purposes each system can be configured to avoid interference with other units in the same vicinity. We offer a wide range of options from basic two motion systems to more complex systems with multiple motions and additional buttons for features such as lights and horns.

FESTOON CABLE MANAGEMENT SYSTEMS: We offer a range of 'off-the-shelf' systems but we also supply more bespoke systems for custom applications such as stainless steel models for outdoors and systems with multiple tracks for detached pendant traverse.

RUNWAY BEAM END STOPS: A great off-the-shelf solution for safely terminating the end of a runway or lifting beam of up to 10,000kg t prevent the trolley from running off and posing a health and safety issue.

ORDERING YOUR HOIST FROM LES®

Once ordered online or over the phone, your electric chain hoist order will be confirmed via email, your hoist will be chained up, tested, certified, packed, and dispatched within 12-48 hours.

Normal standardised hoists are delivered within 2-3 working days of your order (unless otherwise advised). International delivery dates will vary due to transit times.

Specialised hoists can be made-to-order and therefore have increased lead times, in some cases up to 12 weeks.

We have a huge range of manufacturers that we work closely with and will always do our best to accommodate your required delivery deadlines.

OUR MOST POPULAR ELECTRIC CHAIN HOISTS

YALE CPV/F 400V ELECTRIC CHAIN HOIST

From £999.00

READ MORE

CM LODESTAR 110V/230V ELECTRIC CHAIN HOIST

From £2067.97

READ MORE

STAHL ST 400V ELECTRIC CHAIN HOIST

From £1034.21

READ MORE

AFTERCARE, SERVICE & MAINTENANCE OF YOUR HOIST

After service is something that we pride ourselves on. Not only do we look after you while you make your purchase with us, but we also go the extra mile by offering a complete maintenance package that is fully LOLER and PUWER compliant.

We are able to carry out warranty claims and our-of-warranty repairs for a huge range of our manufacturers – saving you time and money while dealing with your dedicated LES customer service representative.

WHY BUY YOUR ELECTRIC CHAIN HOIST FROM LES?

We are experts in the supply of Electric Chain Hoists, and our team have years of experience in working on small single hoist projects up to the more complex installations of multiple hoists and control systems in industrial, aerospace, and entertainment industries.

Please contact our sales team should you wish for further information on specific products, manufacturers, pricing, drawings and CAD files, specifications and more.

PLEASE NOTE: Prices are subject to change since the time of guide creation