



Electric chain or wire rope hoist?

Modern designs and upgraded materials have greatly improved the performance of both electric chain and wire rope hoists.

New technology has transformed chain hoists into a rugged and durable product. Today both types of hoists compete equally for typical factory applications in capacities to 7.5 tons.

1 to 7.5 tons is where to compare

Hoist manufacturers provide a wide range of choices for both chain and wire rope hoists with capacities up to 7.5 tons. The selection of chain hoists up to 15 tons, however, is more limited. For applications below 7.5 tons, chain hoists are most common while the market at 10 tons and above is dominated by wire rope hoists.

Both chain and wire rope hoists are rated H-4 (heavy duty) or H-3 (moderate duty). Duty ratings are a better indicator of hoist durability than hoist type (chain or wire rope).

Customer surveys indicate that electric chain hoists offer many advantages:

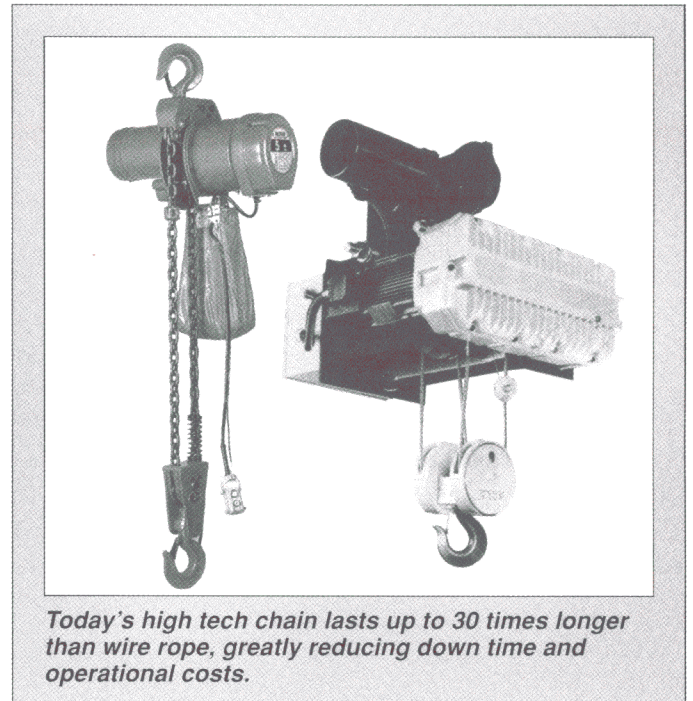
Chain hoists...

- tolerate greater levels of abuse
- require less maintenance
- are less expensive
- provide more allowance for "side pulling"
- provide true vertical lift at no extra cost

Sometimes wire rope hoists are your only choice

Only wire rope hoists...

- offer very fast lifting speeds
- offer a wide array of options
- can be rated H-5 (severe duty)



Today's high tech chain lasts up to 30 times longer than wire rope, greatly reducing down time and operational costs.

The main difference between electric chain hoists and wire rope hoists is in the design of the lifting mechanism. When a wire rope hoist lifts, it wraps the cable around a grooved drum. The drum, however, is expensive to manufacture. A chain hoist lifts by pulling the chain through sprockets and depositing the chain into a chain container. Both types use similar motors, brakes and controls.

Consider an electric chain hoist up to 7.5 ton capacity for:

- 8–10 hours/day use
- 20 – 30 lifts/hour
- Less than 30 minute motor on time/hour
- High percentage of lifts at full capacity
- True vertical lift at no extra cost
- High durability at low cost

Be sure to request an H-4 rating in either your chain or wire rope hoist to ensure long life and low maintenance.