

# Electric Chain Hoist (Single-Phase)



## FEATURE COMPARISON

\*Features taken from competitors' websites as of October 2013

Feature	ACI SECH	Coffing EC
Duty Cycle	H4 Duty	H4 Duty
Chain Guide	Provides quiet and smooth guiding of the chain for improved wear and jam resistance.	Fits below dead end link on lifting chain for added measure of safety.
Rain Cover	Optional. Recommended for outdoor application.	Optional
Load Sheave	Deep-grooved with five pockets, which reduces vibration and chain wear as well as providing a true vertical lift.	Increases chain and sheave engagement 25% over hoists with conventional four-pocket sheaves. Provides smoother lifting and reduces chain wear over four-pocket sheaves.
Gears	Precision machined, heat treated helical and spur gears.	First stage helical gearing on EC small frame; first and third stage helical gearing on EC large frame.
Oilbath Lubrication	Provides quiet, smooth and cool operation.	Transmission gears are precision machined of alloy steel and run in oil bath for longer, quieter operation.
Mechanical Load Brake	Secondary Weston style load brake as an added safety feature, located inside the gear box.	Weston type, controls load lowering and prevents load drift. Holds rated load independent of multiple disc motor brake.
Motor Brake	Pull-rotor type. An extremely durable and advanced design with few moving parts. Contains no brake coil which can fail, like in conventional multi-disk brakes. Standard feature.	Heavy duty, direct acting design for positive load spotting and holding.
Overload Clutch	A long life friction clutch protects the hoist from damage and prevents overloading.	Protects hoist, operator and supporting structures from damaging overloads, chain jamming, and reverse phasing.
Motor	Aluminum die cast body that is light weight with a baked paint finish. Has an increased performance through heavy duty H4 rating and has standard thermal protection.	Features housings of cast aluminum alloy construction for minimum weight.
Limit Switches	Power upper and lower limit switches that cut power directly to the motor. This added safety device is required in hot metal and critical uses.	Adjustable to regulate upper and lower load travel. Brass nuts standard for improved switch setting and repeatability. Stainless steel limit switch shaft standard.
Hook	Forged carbon steel hook. Under excessive loads the hook will not snap, instead it will open gradually. It contains ball bearings which allow for smooth rotation, the hook will swivel 360 degrees.	Under excessive loads will open gradually and not fracture. Bottom hook swivels 360 degrees.

\*These items are kept in inventory, and in most cases, are for immediate shipment.

Updated: October 2013

\*This high-capacity hoist is a specialty item and is not stocked by most competitors.

### ELECTRIC CHAIN HOIST Model SECH

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Scan QR code  
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# FEATURE COMPARISON (cont'd)

\*Features taken from competitors' websites as of October 2013

Feature	ACI SNEC	Coffing EC
Load Chain	Heavy-duty, heat-treated, wear-resistant load chain which is standard.	Grade 80 nickel-plated load chain is heat treated for wear resistance and extended life.
Chain Bag	Heavy-duty chain bag included as a standard feature.	Optional.
Lifting Eye	A standard feature that is required in many specifications for equipment over 40 pounds.	Standard.
Trolley	Motorized trolley is available, in addition to push and low headroom push trolleys.	Push, Geared and Motorized Trolleys are available.
Trolley Bumper	Standard feature on our trolleys, a required item on trolleys used for cranes.	Built-in security for the operator and added protection for the equipment and load.
Trolley Brake	Standard feature.	Standard.
Trolley Roller Guides	Trolley roller guides for smooth operation, especially on curves, standard on trolleys.	Provide smooth trolley motion and reduced wear on wheels and beam.

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