



# Electric Chain Hoist

## Three Phase Electric Chain Hoist ECH Series



### Standard Features

- Capacity range: ¼ to 20 Ton
- ECH Hoists are available hook or trolley mounted and provides a price/quality ratio that is the best in the industry.
- H4 duty rating
- Upper & lower power limit switch. Cuts power directly to the motor. This safety device required in hot metal and critical uses comes standard on ACI chain hoists.
- Lifetime lubricated gears and bearings.
- Heavy duty, wear resistant load chain.
- Mechanical & electrical brakes standard.
- Trolley brake, drop lugs, and bumpers standard.
- Sealed body suitable for both indoor and outdoor applications, including harsh environments.
- High performance mechanically and electrically interlocked contactor
- Motorized trolley with side roller system maneuvers smoothly through turns.
- All hoists come with a chain bag at no extra cost.

### Hoist Construction

This electric chain hoist is an efficient means of lifting freely suspended material loads within its load rating. The frame and covers of the hoist are made from aluminum alloy or modular cast iron to ensure structural integrity. Frame and control enclosure are weather protected against dust and water.



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## ECH Electric Chain Hoist comes with:



### **Limit Switches-**

Power upper and lower limit switch as an added safety measure. Power limit cuts motor power, not controlled voltage.



### **Load Chain-**

Grade 80 super alloy load chain is precisely calibrated and heat treated for long life. (Safety factor is 6-1)



### **Load Sheave-**

Deep-groove pockets fully support the load chain during operation. Reduces vibration and chain wear and provides a true vertical lift.



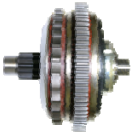
### **Durable Chain Guide-**

Provides quiet and smooth guiding of chain. Easily replaced without disassembly of the hoist. Heavy cast iron construction for improved wear versus stamped steel design offered by many manufacturers.



### **Forged Carbon Steel Hooks-**

Under excessive loads will open gradually and not fracture. Ball bearings produce smooth rotation. Bottom hook will swivel 360 degrees. Hook latches are standard.



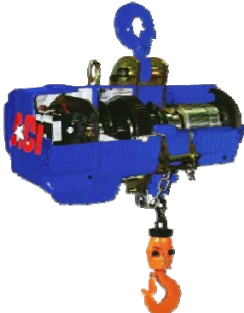
### **Mechanical Load Brake-**

Secondary Weston type mechanical load brake as an added safety feature located inside the gearbox.



### **Rugged Push Button-**

Easy to use, one handed operation rated Ip65, standard control voltage is 110V. Strain relief wire is molded to pendant cord for added support.



### **Lifting Eye-**

Required in many specifications for equipment of 40 lbs.

### **Long Life Friction Clutch-**

Protects hoist from damage and prevents overloading.

### **Easy Maintenance Control Panel-**

Simple attached with chain-allows ease of field maintenance.

### **Heat treated Helical and Spur Gears-**

Precision machined for long life. Oil bath lubrication results in a quiet, smooth, cool operation.

***\*Over \$950.00 worth of features other brands charge extra for comes standard on ACI Hoists!***



## WARRANTY

Every hoist is thoroughly inspected and tested before it is shipped from the factory. If any problem develops within one year, return the complete hoist prepaid to the factory. If an inspection reveals that the problem is caused by defective workmanship or material, repairs will be made without charge and the hoist will be returned, transportation prepaid.

This warranty does not cover: (a) deterioration caused by normal wear, abuse, eccentric or side loading, overloading, chemical or abrasive actions, improper maintenance or excessive heat; (b) problems resulting from repairs, modifications or alterations made by people other than factor or ACI representative; (c) the hoist has been abused or damaged due to an accident; (4) repair parts or accessories other than ACI equipment are used on the hoist. Equipment and accessories not of the seller's manufacture are warranted only to extent that they are warranted by the manufacturer.

EXCEPT AS STATED HERE, ACI MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES FOR A PARTICULAR PURPOSE.

### **WARNING**

**Overloading and Improper Use Can Result In Injury.**

**To Avoid Injury:**

- Do not exceed working load limit, load rating or capacity.
- Do not use to lift people or loads over people.
- Use only alloy chain and attachments for overhead lifting.
- Read and follow all instructions.

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