We are committed to providing industry cutting-edge products and technology.

The performance and quality is the footstone of our success.
We will continue providing high-quality products and services to customers.

CH SERIES
WIRE ROPE ELECTRIC HOISTS

Max. Load: 100000Kg

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Tel: +86-371-5532 8269
Email: inquiry@clescrane.com
Website: www.clescrane.com

Clescrane retains the rights to change on product design and specs. at any time.
When purchase and delivery, subject to our actual products.
ABOUT US

Taking "technology drive, quality occupy market" as target, CLESCRANE has rich experience in global customer project management, design, quality management and after-sales service. CLESCRANE is dedicated to become an expert in intelligent logistics warehousing, biomass power generation and intelligent material sorting. We are committed to providing global customers the most suitable solutions and high quality products, helping customers to bring their products to market quickly and shorten investment return cycle.

"I won’t sell the future for a short term profit". CLESCRANE adheres to this concept and is determined to become your most trustworthy partner in the field of material handling.
Compact structure, light self-weight, small wheel-pressure and high comprehensive cost performance.

Leading technology and component performance ensure the optimal extreme dimension of the products and the height of equipment and the compact structure under the premise of ensuring the high efficiency. Within the same plant and working area, CH series wire rope electric hoists can cover larger working range, which increases the utilization of the internal area of the plant and decreases the dead zone. If the plant is designed in accordance with the parameters of series of products of Cleasrane during the design stage, requirements for the lifting equipment can be greatly reduced for the height and bearing capacity of the plant, which reduces above 10% of plant investment for the customers and improves the efficiency of investment.

Save operating costs and green energy saving

European type cranes equipped with CH series electric hoists can significantly reduce self-weight of the girder and the complete machine, and decrease the total power of running, as well as can save over 30% of power per year on average compared with the plants those use the domestic traditional cranes. Meanwhile, the running noise is superior to the national standard of Cleasrane CH series electric hoists, which creates a more quiet work space.

Selection of high quality of components with safety and reliability and durable in use

Components with high quality are the basis for excellent quality of products. Cleasrane Company takes each component seriously from lifting motors to reducers, from reels to steel wire ropes, from safe and reliable electrical components to the best structure components. Because Cleasrane Company believes that only each component of good performance and quality can ensure the performance and quality of the complete machine. Lifting trolley mechanism with compact structure and superior performance is developed and designed for CH series electric hoist. The reduction gear produces low noise and becomes durable in use by high precision grinding and hardening treatment of the gear surface. Electrical connection sustained rate is up to 60% of the lifting motor, which not only meets frequent use during the process of production, but improves the reliability of the product. The imported brake disc provides the breaking lifetime of more than one million times with excellent wear-resisting property.

Precise positioning and efficient running can improve production efficiency

Standard lifting with double speed (optional frequency conversion) and frequency conversion control of trolley ensure efficient running of the crane and promotion of logistics efficiency in workshop, and ensure the implementation of the whole work plans of customers on schedule. By the application of frequency conversion technology, it can effectively reduce shaking of load in the process of handling, which makes the load positioning more quickly and accurately. Simultaneously, it significantly reduces the impact of starting and braking, thus the whole handling process becomes much more smooth and safe.

Safe and reliable, running monitoring and simple and convenient maintenance

CLESSTAR-Cles patented technology product is provided with various functions such as monitoring, protection, which can ensure safe and reliable operation of the crane, and its running monitoring unit can make detailed records of running condition of electric hoist, running status of motor and safety working cycle, and provide warning in advance. All records can provide data for maintenance, and the root of the problem should be understood to be able to provide maintenance much more timely and efficiently.

Modular design and multiple options can meet various demands of customer

The concept of modular design has always been throughout the whole product design, which ensures the standard and interchangeability of parts, greatly reduces the maintenance costs of products. All products series of the Company is provided with complete inventory of spare parts, and professional service team ensures to provide after-sales service to solve the troubles of customers after purchasing the equipment in a timely manner.
CH-B Series
Wire Rope Electric Hoist
Lifting capacity: 1000Kg ~ 100 000Kg

Standard configuration of CH-B series wire rope electric hoists
- Double speed lifting motor with 1t ~3t standard
  variable frequency lifting motor with 3t ~ 10t standard
- Lifting electromagnetic disc brake and maintenance-free design
- 380V/3Ph/50Hz supply voltage
- Control voltage 48V
- Lifting limit switch
- Variable frequency motor of trolley with the speed of 5~20m/min
- Protection grade of electric motor is Grade IP55, and insulation grade is Grade F
- Lifting hook group with safety clasp
- Load lifting limiter
- Environment temperature: -20°C ~ 40°C

Product Advantages
- Accumulation and Innovation
- Compact Structure, Excellent Performance
- Efficient Transmission and Power Source
- Excellent Performance, Safe and Reliable

>> CH SERIES WIRE ROPE ELECTRIC HOISTS

>> WWW.CLESCRANE.COM
Modular design, flexible combination, Meeting the personalized needs of customers

Lifting drive unit
High-performance, large driving force and compact structure
Various components are running efficiently to ensure high efficiency
Low energy consumption, low noise and eco-friendly design
Smooth running, low impact, safe and reliable
No-wear design, long service life
Electrical connection sustained rate is up to 60% to meet the demands of the high frequency lifting
Service life Asbestos-free brake can be up to one million times
High protection grade of brake can meet the requirements of severe environment

Product Features

Trolley drive unit
Trinity of high-performance motor, reduction gearbox and brake.
Compact structure, excellent performance.
Low energy consumption, low noise and eco-friendly design.
Variable frequency control, smooth running, low impact and meeting requirements of a variety of speeds.
Asbestos-free brake disc and its normal service life can be up to one million times.
No-wear design, maintenance-free, long service life.

Clesstar safety monitors
Intelligent monitoring system, safe and practical, friendly human-machine interface and easy operation. Can monitoring record the running time of the hoist and the number of overload and other information.
Regular maintenance reminders and friction plate wear alarm. Achieve optional configuration of double hoist synchronous lifting operation and others.

Rope guide
Lifting weight, good wear resistance, to reduce the wear of wire rope effectively. Prevent wire rope from skipping and loosing to off-groove, and safety first.

Wire rope with high-performance
The imported wire rope of high-performance with tensile strength up to 2160MPa. The surface with galvanized processing for corrosion prevention effectively.
With good flexibility to ensure wear resistance of the wire rope and prolong its service life.

Drum
Use the G345-type seamless steel tube as raw material and process it by numbers of working procedure.
Advanced processing methods to ensure concentricity of the drum.
The depth of rope groove is in compliance with the FEM standard.
High-strength pressing plates and bolts are fastened on the end of the wire rope to ensure the safety of lifting.

Lifting height limiter
Freely adjustable screw lifting height limiter with high precision, wide adjustment range, safe and reliable.
Multiple-contact configurations can effectively achieve the function of transition with low and high speed and the stop during the rise and fall.

Lifting hook group
DIN standard of lifting hook with safety clasp and wire rope sheath. Ergonomic design.
Forged by the high-strength material of T grade.
Accompanied with nondestructive test certification of lifting hook randomly.

Electric cabinet
Rational design, convenient maintenance, decreasing running cost. Professional and high quality of electrical components, safe and reliable.
Multiple safety protection devices to ensure equipment safe.
Protection grade IP55. Clear identification to easy for trouble removal.
## Selection table of CH-B series single girder wire rope hoist

<table>
<thead>
<tr>
<th>Load Capacity (Kg)</th>
<th>FEM</th>
<th>ISO</th>
<th>Height (m)</th>
<th>Speed (m/min)</th>
<th>Trolley Speed (m/min)</th>
<th>H Size (mm)</th>
<th>C Size (mm)</th>
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</tbody>
</table>

For more options, please contact Cleocrine.
CH-K Series Wire Rope Electric Hoist
Lifting capacity: 1000Kg ~ 10000Kg

Are you still busy with calculating your ROI?
The CH-K series electric hoist with a new lifting three-in-one drive, more robust product, under the same load, than 1/4 times the price of similar products more cost-effective, more competitive in market.

You still feel that handling speed is not fast enough?
The CH-K series of electric hoist innovative design, in the same model, not only can enhance the product lifting height at the same time, but also effectively enhance the product lifting speed, continue to enhance customer material handling efficiency.

You still worried about the goods at the corner can not be moved?
The CH-K wire rope electric hoist to cover a greater range of operations, increasing the utilization of the plant area, reducing the blind spot. If the design stage of the plant design parameters based on this product can reduce the requirements on the plant height and bearing capacity for customers to reduce plant investment.

Are you concerned about the impact of downtime on production?
The CH-K wire rope electric hoist can effectively reduce the product in the work of the rope and hook damage to customers to reduce post-maintenance costs and extend product life, creating value for customers.

Standard Configuration of CH-K Series Wire Rope Electric Hoists
- Double-speed lifting motor with 1-10t standard variable
- 380V/3Ph/50Hz supply voltage
- Control voltage 48V
- Lifting limit switch
- Protection grade of electric motor is Grade IP55 and insulation grade is Grade F
- Lifting hook group with safety clasp
- Load lifting limiter
- Environment temperature: -20°C~+40°C
New design, Efficient transmission, Compact structure, Make your material handling more smoothly, more competitive.

Lifting drive unit
High-performance, large driving force and compact structure
Various components are running efficiently to ensure high efficiency
Low-energy consumption, low noise and eco-friendly design
Smooth running, low impact, safe and reliable
No-wear design, long service life
Electrical connection sustained rate is up to 60% to meet the demands of the high frequency lifting
Service life Asbestos-free brake can be up to one million times
High protection grade of brake can meet the requirements of severe environment

Product Features

Trolley drive unit
Trinity of high-performance motor, reduction gearbox and brake.
Compact structure, excellent performance.
Low energy consumption, low noise and eco-friendly design.
Variable frequency control, smooth running, low impact and meeting requirements of a variety of speed.
Asbestos-free brake disc and its normal service life can be up to one million times.
No-wear design, maintenance-free, long service life.

Clesstar safety monitors
Intelligent monitoring system, safe and practical, friendly human-machine interface and easy operation.
Can monitoring record the running time of the hoist and the number of overload and other information.
Regular maintenance remainders and friction plate wear alarm. Achieve optional configuration of double hoist synchronous lifting operation and others.

Rope guide
Made by engineering plastics (one-time casting molding)
Products light weight, good wear resistance, and add lubricating materials, effectively reduce the wear and tear of wire rope.

Wire rope with high-performance
The imported wire rope of high-performance with tensile strength up to 2160MPa.
The surface with galvanized processing.
With good flexibility to ensure wear resistance of the wire rope and prolong its service life.

Drum
Use the Q345-type seamless steel tube as raw material and process it by numbers of working procedure.
Advanced processing methods to ensure concentricity of the drum.
The depth of rope groove is in compliance with the FEM standard.
High-strength pressing plates and bolts are fastened on the end of the wire rope to ensure the safety of lifting.

Lifting height limiter
Freely adjustable screw lifting height limiter with high precision, wide adjustment range, safe and reliable.
Multiple-contact configurations can effectively achieve the function of transition with low and high speed and the stop during the rise and fall.

Lifting hook group
DIN standard of lifting hook with safety clasp and wire rope sheath Ergonomic design.
Forged by the high-strength material of T grade.
Accompanied with nondestructive test certification of lifting hook randomly.

Electric cabinet
Rational design, convenient maintenance, decreasing running cost. Professional and high quality of electrical components, safe and reliable.
Multiple safety protection devices to ensure equipment safe.
Protection grade IP55. Clear identification to easy for trouble removal.
CH-P Series

Wire Rope Electric Hoist

Lifting capacity: 1000 Kg ~ 20000 Kg

Standard Configuration of CH-P Series Wire Rope Electric Hoists

- Double-speed lifting motor with 1-20t standard variable
- 380V/3Ph/50Hz supply voltage
- Control voltage 48V
- Lifting limit switch
- Protection grade of electric motor is Grade IP55 and insulation grade is Grade F
- Lifting hook group with safety clasp
- Loadlifting limiter
- Environment temperature: -20°C ~ +40°C

Innovations of the cross trolley traveling mechanism:
Adopt dual-drive three-in-one drive. The three-in-one drive is connected directly to the active wheel, eliminating the drive gear wheel and connecting rod structure. For some countries which is in the conduct of Australia standard for crane, the wheel section need add the requirement of safety cover. This improvement will be good for promotion of our business in the region.

Range of application
Machine processing, steel production, material supply or any other lifting and handling occasions.
**Product Features**

**Trolley drive unit**
- Trinity of high-performance motor, reduction gearbox and brake.
- Compact structure, excellent performance.
- Low energy consumption, low noise and eco-friendly design.
- Variable frequency control, smooth running, low impact and meeting requirements of a variety of speed.
- Asbestos-free brake disc and its normal service life can be up to one million times.
- No-wear design, maintenance-free, long service life.

**Clesstar safety monitors**
- Intelligent monitoring system, safe and practical, friendly human-machine interface and easy operation. Can monitoring record the running time of the hoist and the number of overload and other information.
- Regular maintenance reminders and friction plate wear alarm. Achieve optional configuration of double hoist synchronous lifting operation and others.

**Rope guide**
- Lifting weight, good wear resistance, to reduce the wear of wire rope effectively. Prevent wire rope from skipping and loosing to off-groove and safety first.

**Wire rope with high-performance**
- The imported wire rope of high-performance with tensile strength up to 2160MPa.
- The surface with galvanized processing for corrosion prevention effectively.
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**Drum**
- Use the Q345-type seamless steel tube as raw material and process it by numbers of working procedure.
- Advanced processing methods to ensure concentricity of the drum.
- The depth of rope groove is in compliance with the FEM standard.
- High-strength pressing plates and bolts are fastened on the end of the wire rope to ensure the safety of lifting.

**Lifting drive unit**
- High-performance, large driving force and compact structure.
- Various components are running efficiently to ensure high efficiency.
- Low energy consumption, low noise and eco-friendly design.
- Smooth running, low impact, safe and reliable.
- No-wear design, long service life.
- Electrical connection sustained rate is up to 60% to meet the demands of the high frequency lifting.
- Service life Asbestos-free brake can be up to one million times.
- High protection grade of brake can meet the requirements of severe environment.

**Lifting height limiter**
- Freely adjustable screw lifting height limiter with high precision, wide adjustment range, safe and reliable.
- Multiple-contact configurations can effectively achieve the function of transition with low and high speed and the stop during the rise and fall.

**Lifting hook group**
- DIN standard of lifting hook with safety clasp and wire rope sheath Ergonomic design.
- Forged by the high-strength material of T grade.
- Accompanied with nondestructive test certification of lifting hook randomly.

**Electric cabinet**
- Rational design, convenient maintenance, decreasing running cost. Professional and high quality of electrical components, safe and reliable.
- Multiple safety protection devices to ensure equipment safe.
- Protection grade IP55. Clear identification to easy for trouble removal.
CH-R Series
Wire Rope Electric Hoist
Lifting capacity: 1 000Kg ~ 32 000Kg

Standard Configuration of CH-R Series Wire Rope Electric Hoists
- Double-speed lifting motor with 1-32t standard variable
- 380V/3Ph/50Hz supply voltage
- Control voltage 48V
- Lifting limit switch
- Protection grade of electric motor is Grade IP55 and insulation grade is Grade F
- Lifting hook group with safety clasp
- Load lifting limiter
- Environment temperature: -20°C~+40°C

This series hoist suits for I beam.
Product Features

Trolley drive unit
Trinity of high-performance motor, reduction gearbox and brake.
Compact structure, excellent performance.
Low energy consumption, low noise and eco-friendly design.
Variable frequency control, smooth running, low impact and meeting requirements of a variety of speed.
Asbestos-free brake disc and its normal service life can be up to one million times.
No-wear design, maintenance-free, long service life.

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Lifting height limiter
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Lifting hook group
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Electric cabinet
Rational design, convenient maintenance, decreasing running cost. Professional and high quality of electrical components, safe and reliable.
Multiple safety protection devices to ensure equipment safe.
Protection grade IP55. Clear identification to easy for trouble removal.
Clescrane CH series wire rope electric hoist is provided with technical characteristics of light self-weight, low headroom and low wheel pressure, to ensure product stability and security in use, and to create long-term value for our customers.

Clescrane CH series wire rope electric hoist products are provided with complete series and have its wide application, to provide customers with comprehensive industrial crane equipment and various types of lifting mechanism.

**Perfect fit, various applications**

Clescrane pays close attention to customers’ demands, and the CH wire rope electric hoist we designed which can be upgraded to CHX explosion-proofing electric rope hoist series. Our products are widely used in many different fields, such as the food industry, chemical industry, petroleum, natural gas and any other occasions that put safety production in the first place.
SERVICE

Our service solutions are specially made based on different requirements of individual clients. Meeting their standards could remove any of their worries. Including:

- Customized solutions
- Reliable, efficient and safe crane equipment
- High quality packaging
- Installation and assembly & test running
- Professional training
- Plenty of spare parts
- Maintenance
- Analysis and suggestions
- Intelligent crane design software
- The experienced team of engineers

Clescrane’s service pack is safe and costs less. Clescrane’s service pack also applies to cranes and hoists produced by other manufacturers.
OPTIONS

1. Wheel gauge of single girder hoist can be customized to 550mm – 690mm. And wheel width of double girder hoist can be customized (not bigger than 15% of the standard wheel width).

2. Double girder hoist track gauge (1400-1700-2000-2400-2700-3100-3400-3800mm). The gauge can be customized and will influence the price.

3. The hoist equipped with monorail crane can choose CH-R series standard clearance hoist or CH-B series low clearance hoist according to girder type; If there is a turning part in the track, the CH-R series standard clearance hoist must be selected, and the trolley has turning function, with a maximum turning radius of 2m.

4. 1-step (standard) or 2-step (optional) cross travel limits are available for single girder trolley, while the standard for double girder trolley is 2-step cross travel limits.

5. The brand of Pendant control is Schneider or GG; standard 8 keys, with additional functions for selection which will influence the price.

6. Hooks can be customized for 360° electric rotary hooks.

7. Hook size can be customized.

8. Monitoring unit is optional, with single mechanism or multi mechanisms(for the crane). Its function is to record the total starting times, total emergency stop times, total working time, lifting motor working time, safe working cycle of brake pads, overload times, etc. The brand cannot be specified. The advantage is to help users understand the working status of the hoist and/or crane and facilitate maintenance work. Highly recommended.

9. Display of lifting load is available with letter sizes of 500*230mm or 900*230mm. It is usually installed on main girder or end beam to show the lifting weight when the crane is lifting. The brand cannot be specified.

10. Measures for humid environment:
   a. Heating and dehumidification of motor and/or electric panel
   b. Stainless steel electric panel
   c. Stainless steel hoist shell.

11. Measures for outdoor environment:
   a. Heating and dehumidification of motor and/or electric panel
   b. Rain cover

12. The second lifting limit, i.e. the heavy hammer limiting device (started by hook), is optional. The brand cannot be specified. The function is that when the lifting limit is out of effect, the hook will touch the heavy hammer limit when it continues to lift, which can play the function of twice rising limit protection. The advantage is that the double lifting limit makes the use of equipment safer.

13. Double brake for hoisting. The function is that when one of the brakes is damaged, another brake can ensure the braking of the equipment. The advantage is that the double braking makes the use of the equipment safer.

14. Double lifting speed can be changed into frequency converting control. The function is: A. the lifting up and down process is relatively gentle, and the impact is small; B. the speed is adjustable. The function is recommended when:
   - Lifting synchronously with other equipment
   - The anti-sway function is added
   - The ESR function is added
   - Lifting valuable goods

15. Anti-sway function is optional, but only the Schneider frequency converter is available. The function is to prevent the suspended object from swinging in the process of handling. The function is recommended when:
   - Lifting valuable goods
   - Lifting liquid goods
   - Lifting dangerous goods

16. The inching function is optional, which is used for accurate movement. The function is recommended when:
   - Equipment installation or assembly

17. The standard control voltage is 48V, and the control voltage can be changed to 24V / 36V / 110V according to customer requirements

Advanced Product Solution
Constant Innovation Based on the Demand of Customers