



ND Model Electric Wire Rope Hoist



YUANTAI CRANE MACHINERY

Electric Hoist



Lifting capacity: 1 000kg~ 20 000kg

Working class: 1Am, 2m, 3m

ND Model Electric Hoist

ND model FEM standard European electric wire rope hoist is newly developed with advanced design technology according to the latest national standard GB/T3811 "Design specifications for cranes", and with reference to European FEM standard. The whole set of electric hoist is energy-saving and environment-friendly. With its advanced technology and cost-efficient feature, it is the most popular among the similar products.

Supply Scope

- ↘ Lifting capacity: 1,000-20,000 Kg
- ↘ Lifting height: 6/9/12/15/18 m
- ↘ Voltage: 220-600V 50/60Hz 3Phase (Single phase is not available.)
- ↘ Ambient temperature: -20~+40°C

Note: For non-standard specifications, please talk to your sales representative for consultation on customized product service.



Product Features

Yuantai ND type electric wire rope hoist has passed the CE certification of the European Union. It is trustworthy and efficient, and has served more than 150 countries and regions till now.



Motor Options



Option A

- Independent Intellectual Property in hoisting mechanism with FEM standard design.
- Co-axial design of drum and lifting motor makes the structure compact and reasonable.
- Special structure design increases the lifting height, optimum utilization of the vertical space which will reduce the plant height.
- Planetary gear box inside the drum, maintenance free.
- Synchronous driving wheels distributed on both sides, uniform and smooth running which reduces wearing and damage of wheels.

Option B

- Modular design of motor, drum and reducer, C-design structure, beautiful design. Compact C-design structure significantly increases the lifting height which effectively reduces the height of the plant.
- Side-mounted three-stage helical gear box, minimum left and right hook approach and maintenance-free.
- Synchronous driving wheels distributed on both sides, uniform and smooth running which reduces wearing and damage of wheels.



Composition

Advantages

Trolley drive unit

- The complete 3-in-1 drive unit consists of high-performance motor, gearbox and brake;
- Compact structure, excellent noise control, low energy consumption, eco-friendly;
- Inverter control, stable and less impact force.
- Equipped with various traveling speed. Asbestos-free brake disc guaranteed 1 million brakes.

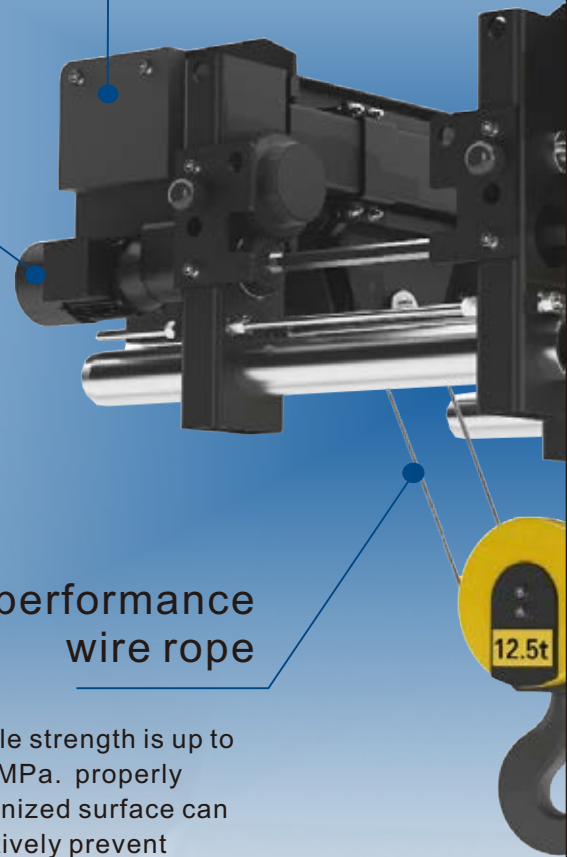


Electric cabinet

- Optimized design for better maintainability;
- Quality components assuring reliability;
- Multiple protections to secure the safety;
- Classification of IP54;
- Standardized and clear labelling for easy maintenance

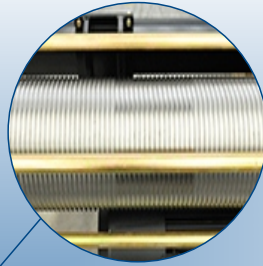
High-performance wire rope

- Tensile strength is up to 2160MPa. properly galvanized surface can effectively prevent corrosion.
- High flexibility results in a minimal wear and a maximum service life.



Lifting height limiter

Adjustable rotation limit switch



Drum

Made of Q345B carbon steel seamless tube, CNC machined with precision of concentricity; FEM standard rope groove; High-strength lock plates are fastened on drum to hold the wire rope ensuring the safety of lifting.

Rope guide

Made of industrial nylon material, light weight, good wear resistance, to reduce the wear of wire rope effectively. Prevent wire rope from skipping and losing to off-groove, and safety first.

Lifting drive unit

High performance and compact design; ABM(optional) 2-speed motor and variable frequency motor; Heavy duty; 60% ED rating; Asbestos-free brake allows 1 million times of braking;

Lifting hook

- DIN standard of lifting hook with safety clasp and wire rope sheath; Rotating by 360° ;
- Ergonomic design;
- Forged by the high-strength material of T grade.

ND Model Electric Hoist with Trolley Frame

FEM standard double girder hoist designed according to the latest national standard GB/T3811 "Design specifications for cranes", and with reference to European FEM standard, has the features of lightweight, modular design, and advanced manufacturing process. It greatly reduces the user's crane construction costs and crane operating costs, and improves the crane's overall quality and performance.



Lifting capacity: 1 000kg~ 80 000kg
Working class: 1Am, 2m, 3m

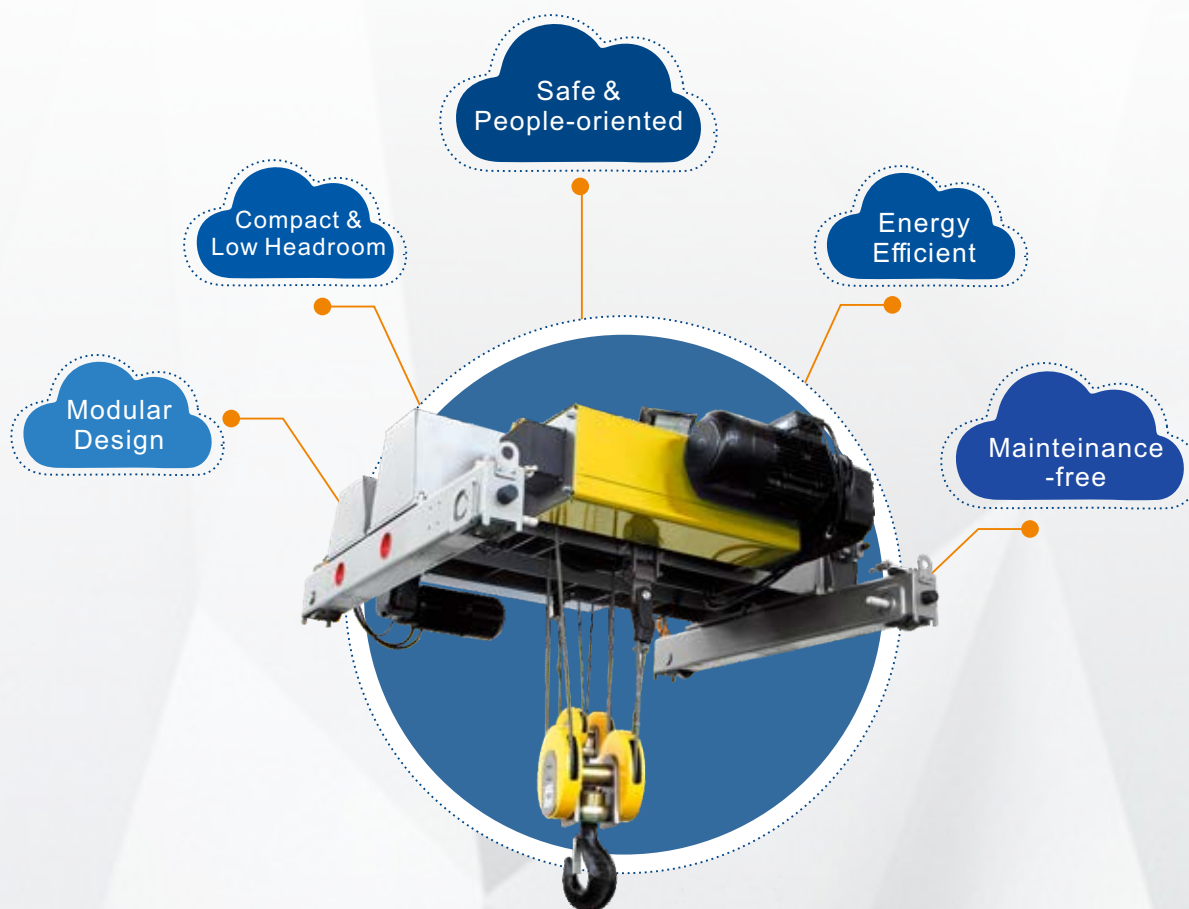
Supply Scope

- ✎ Lifting capacity: 1,000-80,000 Kg
- ✎ Lifting height: 6/9/12/15/18 m
- ✎ Voltage: 220-600V 50/60Hz 3Phase (Single phase is not available.)
- ✎ Ambient temperature: -20~+40°C

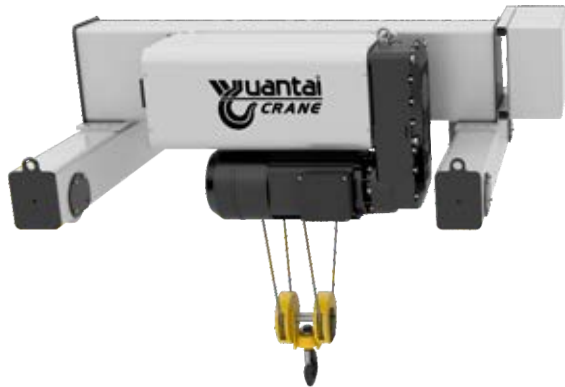
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Product Features

ND type electric wire rope hoist with trolley frame has passed the CE certification of the European Union. It is trustworthy and efficient, has served more than 150 countries and regions until now.



Motor Options



Option A



Option B

Option A

- Trolley frame made by rectangular hollow section steel, light weight and durable
- Wheels made by alloyed steel material, high wear-and-tear- resistance feature
- Double driving motors distribute on both sides, smooth running along straight line
- Compact structure maximizes the effective three-dimensional space of the hook

Option B

- Independent Intellectual Property in hoisting mechanism with FEM standard design.
- Trolley frame made by rectangular hollow section steel, light weight and durable.
- Wheels made by alloyed steel material, high wear-and-tear resistance feature.
- Double driving motors distribute on both sides, smooth running along straight line.
- Compact structure maximizes the effective three-dimensional travel of the hook.

Composition

Advantages

Trolley drive unit

- The complete 3-in-1 drive unit consists of high-performance motor, gearbox and brake;
- Compact structure, excellent noise control, low energy consumption, eco-friendly;
- Inverter control, stable and less impact force.
- Equipped with various traveling speed. Asbestos-free brake disc guaranteed 1 million brakes.



Electric cabinet

- Optimized design for better maintainability;
- Quality components assuring reliability;
- Multiple protections to secure the safety;
- Classification of IP54;
- Standardized and clear labelling for easy maintenance

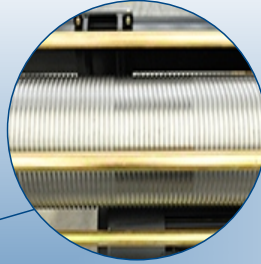
High-performance wire rope

Tensile strength is up to 2160MPa, properly galvanized surface can effectively prevent corrosion. High flexibility results in a minimal wear and a maximum service life.



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Adjustable rotation limit switch



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Made of Q345B carbon steel seamless tube, CNC machined with precision of concentricity; FEM standard rope groove; High-strength lock plates are fastened on drum to hold the wire rope ensuring the safety of lifting

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Lifting drive unit

High performance and compact design; ABM(optional) 2-speed motor and variable frequency motor; Heavy duty; 60% ED rating; Asbestos-free brake allows 1 million times of braking;



Lifting hook

DIN standard of lifting hook with safety clasp and wire rope sheath; Rotating by 360° ; Ergonomic design; Forged by the high-strength material of T grade.



Selection table

ND Model Electric Hoist (mono-rail type)

Capacity (Kg)	Working grade FEM	Working grade IOS	Lifting height (m)	Lifting speed (m/min)	Travelling speed (m/min)
3.2T	2m	M5	6/9/12/15/18	0-5.0	0-20
3.2T	2m	M5	6/9/12/15/18	0-8.0	0-20
5T	2m	M5	6/9/12/15/18	0-5.0	0-20
5T	2m	M5	6/9/12/15/18	0-8.0	0-20
8T	2m	M5	6/9/12/15/18	0-4.0	0-20
8T	2m	M5	6/9/12/15/18	0-4.5	0-20
10T	2m	M5	6/9/12/15/18	0-4.0	0-20
10T	2m	M5	6/9/12/15/18	0-4.5	0-20
12.5T	2m	M5	6/9/12/15/18	0-4.0	0-20
12.5T	2m	M5	6/9/12/15/18	0-5.0	0-20
16T	2m	M5	6/9/12/15/18	0-4.4	0-20
16T	2m	M5	6/9/12/15/18	0-5.0	0-20
20T	2m	M5	6/9/12/15/18	0-3.5	0-20
20T	2m	M5	6/9/12/15/18	0-5.0	0-20

Selection table

ND Model Electric Hoist with Trolley Frame

Capacity (Kg)	Working grade FEM	Working grade IOS	Lifting height (m)	Lifting speed (m/min)	Travelling speed (m/min)
3.2T	2m	M5	6/9/12/15/18	0-5.0	0-20
3.2T	2m	M5	6/9/12/15/18	0-8.0	0-20
5T	2m	M5	6/9/12/15/18	0-5.0	0-20
5T	2m	M5	6/9/12/15/18	0-8.0	0-20
8T	2m	M5	6/9/12/15/18	0-4.0	0-20
8T	2m	M5	6/9/12/15/18	0-4.5	0-20
10T	2m	M5	6/9/12/15/18	0-4.0	0-20
10T	2m	M5	6/9/12/15/18	0-4.5	0-20
12.5T	2m	M5	6/9/12/15/18	0-4.0	0-20
12.5T	2m	M5	6/9/12/15/18	0-5.0	0-20
16T	2m	M5	6/9/12/15/18	0-4.4	0-20
16T	2m	M5	6/9/12/15/18	0-5.0	0-20
20T	2m	M5	6/9/12/15/18	0-3.5	0-20
20T	2m	M5	6/9/12/15/18	0-5.0	0-20
25T	2m	M5	6/9/12/15/18	0-2.8	0-20
25T	2m	M5	6/9/12/15/18	0-3.8	0-20
32T	2m	M5	6/9/12/15/18	0-2.8	0-20
32T	2m	M5	6/9/12/15/18	0-3.8	0-20
50T	2m	M5	6/9/12/15/18	0-3.0	0-20
50T	2m	M5	6/9/12/15/18	0-4.0	0-20
50T	2m	M5	6/9/12/15/18	0-5.0	0-20
63T	1Am	M4	6/9/12/15/18	0-3.0	0-20
63T	1Am	M4	6/9/12/15/18	0-4.0	0-20
80T	1Am	M4	6/9/12/15/18	0-2.5	0-20

Photos View



ND model electric wire rope hoist



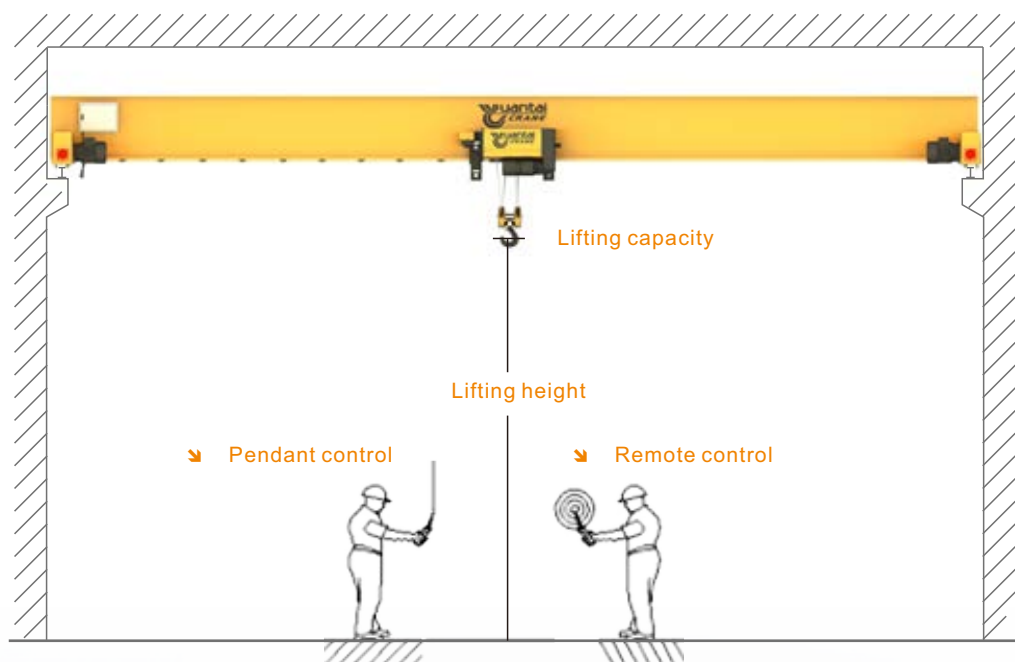
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ND model electric hoist with trolley frame



Tailor your hoist



- Lifting capacity: ton
- Lifting height: m
- Voltage: V Hz Phase
- Control Mode: A. Remote control B. Pendant Control
- What material will the crane lift?



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