

7 Tons Electric Hoist - High-Performance Lifting Solution

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7 Tons Electric Hoist Product Introduction

The 7 tons electric hoist is a premium lifting equipment designed for heavy-duty material handling across various industrial sectors. Combining advanced technology, robust construction, and reliable performance, this [electric hoist](#) serves as an essential tool in factories, warehouses, construction sites, ports, and workshops. It is engineered to lift and transport loads up to 7 tons with precision and efficiency, significantly reducing manual labor intensity and improving operational productivity. Whether for routine material transfer, assembly line operations, or heavy machinery installation, the 7 tons electric hoist delivers consistent and safe lifting performance, making it a trusted choice for businesses seeking cost-effective and high-quality lifting solutions.

Key Features of 7 Tons Electric Hoist

- **Superior Safety Performance:** Equipped with multiple safety protection devices, including overload protection, emergency stop button, and limit switches (upper and lower). The overload protection system automatically cuts off the power when the load exceeds the rated capacity, preventing accidents caused by overloading. The emergency stop button allows for immediate shutdown in case of emergencies, ensuring the safety of operators and equipment.
- **High Efficiency and Energy Saving:** Adopts a high-performance motor with low energy consumption and high output power. The motor features excellent heat dissipation, enabling continuous operation for long periods without overheating. The optimized transmission system reduces energy loss, improving the overall efficiency of the hoist, which helps lower operational costs for users.
- **Durable and Sturdy Construction:** The main components such as the hoist body, hook, and steel wire rope are made of high-strength materials. The hoist body is coated with anti-corrosion paint, enhancing its resistance to rust and wear, suitable for harsh industrial environments. The high-quality steel wire rope has strong tensile strength and abrasion resistance, ensuring a long service life.

- **Precise Control and Operation:** Comes with a user-friendly control pendant or remote control (optional), allowing operators to control the lifting and lowering of loads with precise speed adjustment. The control system is responsive and stable, ensuring smooth and accurate positioning of loads, which is crucial for delicate lifting tasks.
- **Easy Maintenance and Installation:** The modular design simplifies the installation process, reducing the time and labor required for setup. Key components are easily accessible, making routine maintenance and repair convenient. The hoist is designed with fewer wearing parts, minimizing maintenance frequency and costs.

7 Tons Electric Hoist Technical Parameters

Parameter Item	Specification
Rated Lifting Capacity	7 Tons
Lifting Height	6m - 30m (Customizable)
Lifting Speed	8m/min (Empty Load); 4m/min (Rated Load) (Adjustable)
Hoisting Motor Power	11kW
Voltage/Frequency	380V/50Hz (Customizable for Different Regions)
Steel Wire Rope Diameter	14mm
Control Mode	Pendant Control / Wireless Remote Control (Optional)
Working Class	A3 - A5
Protection Grade	IP54

Application with Overhead Cranes and Gantry Cranes

The 7 tons electric hoist is highly compatible with both overhead cranes and gantry cranes, forming a complete lifting system that expands the range and flexibility of material handling.

Overhead Crane With 7 Tons Electric Hoist

When installed on a overhead crane, the 7 tons electric hoist enables horizontal movement along the length of the crane bridge and vertical lifting, covering a large working area within the workshop or warehouse. This combination is ideal for lifting heavy materials between different production lines, storing goods in high racks, and assembling large equipment. The [overhead crane](#) provides stable support and smooth movement, while the electric hoist ensures precise lifting, making it suitable for high-efficiency production environments.

Gantry Crane With 7 Tons Electric Hoist

Used with [gantry cranes](#), the 7 tons electric hoist is perfect for outdoor material handling applications such as construction sites, ports, and storage yards. The gantry crane's movable legs allow it to operate on rails or uneven ground, and the electric hoist provides the lifting power to handle heavy loads like steel beams, containers, and machinery parts. This combination offers excellent mobility and adaptability to outdoor working conditions, even in harsh weather, ensuring continuous operation of lifting tasks.

FAQ: 7 Tons Electric Hoist

Q1: What is the maximum working temperature for the 7 tons electric hoist?

A: The recommended working temperature range is -20°C to +40°C. It is not suitable for use in extremely high or low temperature environments without additional protective measures.

Q2: Can the lifting height be customized according to specific needs?

A: Yes, the lifting height can be customized from 6m to 30m or even higher. Please contact our sales team to provide your specific requirements when placing an order.

Q3: How often should the 7 tons electric hoist be maintained?

A: Routine maintenance should be conducted every 3 months, including checking the steel wire rope for wear, lubricating the transmission parts, and testing the safety devices. A comprehensive maintenance is recommended annually to ensure optimal performance.

Q4: Is the electric hoist equipped with a remote control?

A: The standard configuration includes a pendant control. Wireless remote control is available as an optional accessory, which can be selected based on your operational needs.

Q5: What should I do if the overload protection is triggered?

A: First, stop the operation immediately. Then, reduce the load to within the rated capacity of 7 tons. After that, reset the overload protection device and resume the operation. Do not force the hoist to work with an overloaded load to avoid equipment damage or safety accidents.

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