YUANTAI CRANE

QY Insulation Overhead Crane Specifications

- Compact structure, new style, beautiful outlook
- Good in usability with long service life
- Bearing high capacity, high working class
- Flexible operating, safe and reliable

Henan Yuantai Crane Machinery Import & Export Co., Ltd.
Part 1 Introduction

◆ Basic Parameters

<table>
<thead>
<tr>
<th>Type</th>
<th>QY</th>
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<tbody>
<tr>
<td>Lifting capacity</td>
<td>5-50t</td>
</tr>
<tr>
<td>Span</td>
<td>10.5-31.5m</td>
</tr>
<tr>
<td>Working class</td>
<td>A6</td>
</tr>
<tr>
<td>Temperature</td>
<td>-25 ~ +40°C</td>
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◆ Overview

Insulation hook bridge crane are available to handle materials in the plants where electrolyse non-ferrous metals such as magnesium, aluminum.

The crane consists of four main parts, namely, the boxtype girder, bridge structure, the travelling mechanism, the trolley and the electric equipment. During operation, in order to prevent the electric current on the electrified parts may be passed through the workplace to be handled to the crane and danger to the operator’s life safe, soon the proper places of the crane reliable insulation devices are equipped.

All of cranes are used in heavy duty service, with double brake in the hoising for ensuring safe operation.

All movement of crane are controlled from the cabin.

◆ Features

(1) In General

Compact structure, new style, beautiful outlook.
Good in usability with long service life.
Bearing high capacity, high working class.
Flexible operating, safe and reliable.
Widely used and competitive on quality and price.

(2) Main Body

Double girder, welding box beam, camber meet national standard;
Adopt high quality carbon steel, Q235B or Q345B; (similar as Fe37 or Fe 52);
Mainwelding submerged are welded automatically, nondestructive flaw detection;
The trolley consisted with motor, reducer, brake, coupling, the wheel, drum;
No asbestos brake pad or brake block, insert the card installed, safe and reliable;
The speed reducer has hard-toothed surface, compact structure, durable;
End girder is matched with rail buffer and rail clearance device;
Crane protection grade is IP54 or IP44;
F grade insulation, brake effectively and long service life.

(3) Electric System

Electric box layout is reasonable, easy to repair;
Security trolley line or angle steel trolley line;
External cable is equipped with mark line number;
Trolley moving power is supplied by flat cable;
And the conductor is I steel or C shape sliding line;
Safe touch line conductive rate is high, low pressure;
Set electric taxi speed is high;
Lifting and crane can be independently controlled and also can run separately or together;
Sliding smooth, and beautiful outlooking.

(4) Protection Devices
Outdoor crane are equipped with lifting mechanism, electrical control box and rainproof devices;
Set the trolley trip spacing device, anti-collision device;
Audible and visual alarm device;
And set platform, cover and protecting barriers.

(5) Operation Device
Ground control and cabin control;
Special cabin for bridge crane or capsule driver room, open vision comfortable operation;
The cable has open style, close style, can fixed on left or right;
The open direction includes end open, side open or top open;
The cabin has special small room and the capsule cabin;
Ground control has handle and remote control; do not need to set up special driver;
Users can choose as you need.

(6) Optional Function
All the mechanism aped regulation is 1:10 or bigger;
Overload limiter and alarm display, and the load of weighing and display;
Height limiter device;
The change between main hook and aux hook on single trolley central lubrication;
PLC controlling and accident testing, record display and typing system.
## Part 3 Parameters

### QY Overhead Isolation Crane with Hook 5t

<table>
<thead>
<tr>
<th>Span (m)</th>
<th>10.5</th>
<th>13.5</th>
<th>16.5</th>
<th>19.5</th>
<th>22.5</th>
<th>25.5</th>
<th>28.5</th>
<th>31.5</th>
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<tbody>
<tr>
<td>Lifting height (m)</td>
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<td>16</td>
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### QY Overhead Isolation Crane with Hook 10t

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Note: Control mode for cab operation
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Tips: You can use the phone dimensional code recognition software to scan the right side of the two-dimensional code, to quickly and easily access our web site for more information.