Compact structure, new style, beautiful outlookng

Good in usability with long service life

Bearing high capacity, high working class

Flexible operating, safe and reliable
Part 1 Introduction

◆ Basic Parameters

- Type: QC
- Lifting capacity: 5-32t
- Span: 10.5-31.5m
- Working class: A6
- Temperature: -25 ~ +40°C

◆ Overview

The crane equipped with accessible electromagnetic plate, the lifting capacity includes plate's weight;

It is applied in metallurgy factory or outdoor place, where have fixed span and heavy work, to load and transport electromagnetic black metal materials (as steel ingot, merchant steel, pig iron);

Some stores also use it to handling materials, pieces of iron and scrap iron, scrap steel and so on;

The crane is consisted with box-shape bridge frame, crane travelling mechanism, trolley, electric equipments and electromagnetic plate;

The operation is cabin operating, and have rain-proof equipment when in outside.

◆ 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 Fe52);
- Main welding 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 2 Drawing
### QC Overhead Crane with Magnet  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>
<td>16</td>
<td>16</td>
<td>16</td>
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<td>Lifting speed (m/min)</td>
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<tr>
<td>Trolley speed (m/min)</td>
<td>39.5</td>
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<tr>
<td>Crane speed (m/min)</td>
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<tr>
<td>Lifting motor (kw)</td>
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<td>22</td>
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<td>Trolley motor (kw)</td>
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<td>Total weight (kg)</td>
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<td>19750</td>
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<td>Max Wheel Load (KN)</td>
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<td>94</td>
<td>102</td>
<td>113</td>
<td>122</td>
<td>130</td>
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<td>Track (mm)</td>
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### QC Overhead Crane with Magnet  10t

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<td>Lifting height (m)</td>
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<td>Lifting motor (kw)</td>
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<td>Trolley motor (kw)</td>
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<td>Max Wheel Load (KN)</td>
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<td>Track (mm)</td>
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</tbody>
</table>

Note: Control mode for cab operation, negative value H2 means girder bottom is on the rail.
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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.