



YUANTAI CRANE

QB Double-girder Explosion-proof Crane Specifications



- High automaticity, high reliability and security
- High working frequency, continuous production
- Meet customer needs, easy to maintain

■ Part 1 Introduction

◆ Basic Parameters

Type:	QB
Lifting capacity:	5-50
Span:	10.5-31.5m
Working class:	A4, A5 Ambient
Temperature:	-20~40℃

◆ Overview

Mainly consists of bridge structure, crane travelling mechanism, electric equipment etc.

All motors of QB type explosion-proof overhead cranes which electrical explosion-proof performance is in line with GB3836.2-2000 "for explosive gas atmospheres with explosion-proof electrical equipment-Part 2: Flameproof "d", and the whole performance is in line with provisions of the standards of explosion-proof bridge cranes JB/T5897-1991.

The proof marks are Exd II BT4 and Exd II CT4.

Applied to explosion transfer capacity no higher than the II B or II C-class and the sites with explosive air mixture formed with inflammable gas (or steam) and air whose factory ignition temperature groups of not less than the T4 group.

The applicable hazardous area: 1 division or 2 division (refer to GB3836.1-2000).

This product is generally the ground controlling and also be cab operating according to user needs.

Working level: intermediate.

◆ Features

(1) In General

The machine: Novel structure, attractive appearance and good technics;

Operation: Flexible and smooth, safe and reliable.

(2) Main Body

Double girder, welding box beam, camber meet national standard;

Adopt high quality carbon steel, Q235B or Q345B;

Main and end girder connected through level 10.9 high-strength bolt

Crane drive: IP54 or IP55, level F insulation

Efficiency brake, long life

(3) Electric System

Security trolley line or angle steel trolley line

The power supply of Travelling trolley adopt flat cable

Smoothly sliding, overall nice

(4) Protection Devices

For outdoor crane, should equipped with hoist mechanism, electrical box and rain cover of driving mechanism.

Install collision prevention device and sound & light alarm device.

(5) Controlling Ways

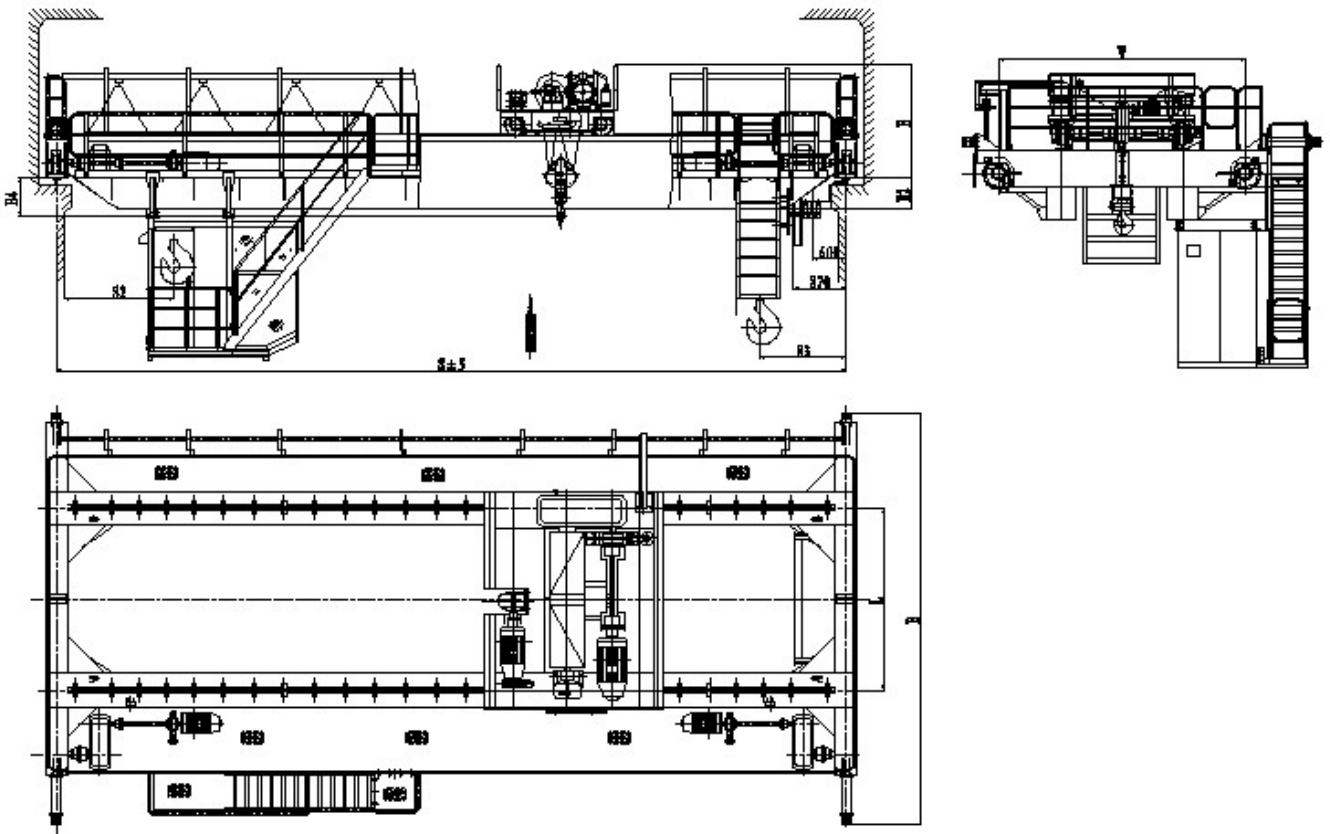
Generally, ground controlling.

Cab controlling is also available according to customer's requirement, working system is intermediate.

Operating cab: open style and close style, left or right installation

Direction of entrance: side, end and top.

Part 2 Drawing



Part 3 Parameters

QB Overhead Explosion-proof Crane with Hook 5t									
Span	S (m)	10.5	13.5	16.5	19.5	22.5	25.5	28.5	31.5

Lifting height	m	16	16	16	16	16	16	16	16
Lifting speed	m/min	5	5	5	5	5	5	5	5
Trolley speed	m/min	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
Crane speed	m/min	12	12	12	12	12	12	12	12
Lifting motor	kw	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Trolley motor	kw	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Total weight	kg	11800	13700	15600	18200	20600	25000	28100	31000
Max Wheel Load	KN	72	78	84	92	97	109	117	124
Track		P43	P43	P43	P43	P43	P43	P43	P43

Main dimension	mm	10.5	13.5	16.5	19.5	22.5	25.5	28.5	31.5
Rail top to main top	H1	1763	1763	1763	1763	1763	1763	1763	1763
Rail top to hook centre	H2	71	71	71	71	71	71	71	71
Wheel base	W	3400	3400	3550	3550	3550	5000	5000	5000
Crane width	B	5054	5054	5204	5204	5204	5948	5948	5948
Hook left limitation	S1	800	800	800	800	800	800	800	800
Hook right limitation	S2	1250	1250	1250	1250	1250	1250	1250	1250
Trolley gauge	K	1400	1400	1400	1400	1400	1400	1400	1400

QB Overhead Explosion-proof Crane with Hook 10t									
Span	S (m)	10.5	13.5	16.5	19.5	22.5	25.5	28.5	31.5

Lifting height	m	16	16	16	16	16	16	16	16
Lifting speed	m/min	5	5	5	5	5	5	5	5
Trolley speed	m/min	13	13	13	13	13	13	13	13
Crane speed	m/min	12	12	12	12	12	14.5	14.5	14.5
Lifting motor	kw	11	11	11	11	11	11	11	11
Trolley motor	kw	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Total weight	kg	13600	15500	18400	20100	22700	27100	30500	33600
Max Wheel Load	KN	101	108	117	122	129	141	150	159
Track		P43	P43	P43	P43	P43	P43	P43	P43

Main dimension	mm	10.5	13.5	16.5	19.5	22.5	25.5	28.5	31.5
Rail top to main top	H1	1876	1876	1876	1876	1876	1926	1926	1926
Rail top to hook centre	H2	602	602	602	602	602	552	552	552
Wheel base	W	4050	4050	4050	4050	4050	5000	5000	5000
Crane width	B	5704	5704	5704	5882	5882	5948	5948	5948
Hook left limitation	S1	1050	1050	1050	1050	1050	1050	1050	1050
Hook right limitation	S2	1300	1300	1300	1300	1300	1300	1300	1300
Trolley gauge	K	2000	2000	2000	2000	2000	2000	2000	2000

Note: Control mode for cab operation, explosive-proof grade is ExdII CT4.



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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.