



YUANTAI CRANE

LHB Explosion-proof Double-girder Crane Specification



- Exterior compact size, building headroom low
- Self-weight light, low wheel load
- Frequency control of motor speed, smooth operation

■ Part 1 Introduction

◆ Basic Parameters

Type:	LHB
Lifting capacity:	5~32t
Span:	7.5~31.5m
Working class:	A3
Temperature:	-25~+40℃

◆ Overview

Manufacturing, installation, use all accord with JB/T 10219 "explosion-proof overhead crane
Matched with BCD electric anti-explosion hoist

Small crane with light lifting capacity

Explosion-proof sign is Exd II BT4 respectively, Exd II CT4

Apply to factory critical ability is not higher than II B or II grade C

Ignites temperature classes are T1 ~ T4 group a flammable mixture of the place

Applicable for dangerous area district 1 or 2 area(see GB3836.1-2000)

All motors, electricals explosion-proof performance meet GB3836.2-2000 "explosive gases use
explosion-proof electric equipment part 2: flameproof" d ""

◆ Features

(1) In General

Exterior compact size, building headroom low

Self-weight light, low wheel load

Frequency control of motor speed, smooth operation

(2) Machinery Part

Double main girder, welding box beam, camber accord with National Standard.

Crane travelling use trinity-drive system, or motor and speed reducer.

Crane travelling protection grade is IP54 or IP44, F grade insulation,

Long time working life.

(3) Electrical Part

Security trolley line and angle steel trolley line

Cabin travelling is powered by flat cable,

so the slipping smooth and the outlook appearance is beautiful.

(4) Security Protction

And also has Prevent collision device and Audible and visual alarm device.

Part 2 Parameters

LH Type Overhead Crane with Electric Hoist 5t									
Span	S (7.5	10.5	13.5	16.5	19.5	22.5	25.5	m)

Lifting height	m	9	9	9	9	9	9	9	
Lifting speed	m/min	8	8	8	8	8	8	8	
Trolley speed	m/min	20	20	20	20	20	20	20	
Crane speed	m/min	20	20	20	20	20	20	20	
Lifting motor	kw	7.5	7.5	7.5	7.5	7.5	7.5	7.5	
Trolley motor	kw	0.8	0.8	0.8	0.8	0.8	0.8	0.8	

Total weight	kg	5230	6400	7450	8600	10560	12350	14850	
Max Wheel Load	KN	39	43	48	53	59	62	71	
Track		P38	P38	P38	P38	P38	P38	P38	

Main dimension	mm	7.5	10.5	13.5	16.5	19.5	22.5	25.5	
Rail top to main top	H1	1350	1350	1350	1350	1350	1350	1550	
Rail top to hook centre	H2	385	385	385	385	385	385	540	
Wheel base	W	2700	2700	2900	2900	3300	3300	3800	
Crane width	B	3200	3200	3400	3400	3800	3800	5300	
Hook left limitation	S1	1200	1200	1200	1200	1200	1200	1200	
Hook right limitation	S2	1200	1200	1200	1200	1200	1200	1200	
Trolley gauge	K	1400	1400	1400	1400	1400	1400	1400	

LH Type Overhead Crane with Electric Hoist 10/3t									
Span	S (7.5	10.5	13.5	16.5	19.5	22.5	25.5	m)

Lifting height	m	9	9	9	9	9	9	9	
Lifting speed	m/min	7	7	7	7	7	7	7	
Trolley speed	m/min	20	20	20	20	20	20	20	
Crane speed	m/min	20	20	20	20	20	20	20	
Lifting motor	kw	13	13	13	13	13	13	13	
Trolley motor	kw	0.8	0.8	0.8	0.8	0.8	0.8	0.8	

Total weight	kg	6240	8050	9480	10450	13260	16530	18620	
Max Wheel Load	KN	65	72	77	80	88	97	102	
Track		P38	P38	P38	P38	P38	P38	P38	

Main dimension	mm	7.5	10.5	13.5	16.5	19.5	22.5	25.5	
Rail top to main top	H1	1450	1450	1450	1450	1650	1650	1650	
Rail top to hook centre	H2	365	365	365	365	565	565	565	
Wheel base	W	3000	3000	3400	3400	3800	3800	4200	
Crane width	B	3500	3500	4000	4000	4500	4500	5000	
Hook left limitation	S1	1250	1250	1250	1250	900	900	900	
Hook right limitation	S2	1400	1400	1400	1400	1200	1200	1200	
Trolley gauge	K	1600	1600	1600	1600	1600	1600	1600	

Note: Control mode for for ground 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.